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WebLogic Process Integrator API Documentation

This document is the API specification of the *WebLogic Process Integrator*, version 2.0.

See:

[Description](#)

Packages

com.bea.eci.repository.helper	Provides the classes required by the ECI repository interface.
com.bea.wlpi.client.common	Provides the WebLogic Process Integrator common client-side classes.
com.bea.wlpi.client.util	Various utilities for use with WebLogic Process Integrator.
com.bea.wlpi.common	Provides common classes used by both the WebLogic Process Integrator client and server.
com.bea.wlpi.common.plugin	Provides common classes used by plugins in the WebLogic Process Integrator client and server.
com.bea.wlpi.common.security	Provides common classes used by security in the WebLogic Process Integrator.

This document is the API specification of the *WebLogic Process Integrator*, version 2.0.



WebLogic Process Integrator™

The public API to WebLogic Process Integrator is comprised of the following components:

[InstanceNotification](#)

[JMSTest](#)

[JMSTestAddr](#)

[JNDIHelper](#)

[JNDITags](#)

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[RepositoryFolderInfo](#)

[RepositoryFolderInfoHelper](#)

[RerouteInfo](#)

[Resources](#)

[RoleInfo](#)

Enterprise Java Beans

Remote Interface	Home Interface	Purpose
Admin	AdminHome	Administrative and design time services
Audit	AuditHome	Auditing services
EJBCatalog	EJBCatalogHome	EJB cataloging
Permission	PermissionHome	Permissions for organizations, roles and users
PluginManager	PluginManagerHome	Manages installed plugins
PluginManagerCfg	PluginManagerCfgHome	Configures installed plugins
WLPIPrincipal	WLPIPrincipalHome	Organizations, roles and users
ServerProperties	ServerPropertiesHome	Server information
Worklist	WorklistHome	Worklist services

Additional Public API Classes

The following classes are used by the public API, but do not belong to documented packages. They are listed below for navigational purposes, and to provide a high-level context for their use.

Package	Class	Purpose
com.bea.wlpi.evaluator	EvaluationContext	Passes evaluation parameters to nodes in an expression parse tree.
com.bea.wlpi.server.common	ExecutionContext	Provides run-time context and services to plugin-supplied nodes and actions.
com.bea.wlpi.server.plugin	ActionContext	Provides additional run-time context and services to plugin actions.
com.bea.wlpi.server.plugin	EventContext	Provides additional run-time context and services to plugin event and start nodes.
com.bea.wlpi.server.plugin	EventHandler	An interface through which plugins can handle or transform incoming event data.
com.bea.wlpi.server.plugin	InstanceNotification	Notification object that describes a change to a workflow instance.

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[XMLEntityInfoHelper](#)
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[XMLRepository](#)
[XMLRepositoryHome](#)
[XMLWriter](#)

com.bea.wlpi.server.plugin	Plugin	Remote interface that defines the functionality of a plugin.
com.bea.wlpi.server.plugin	PluginAction	The interface that a plugin must implement to define a new action.
com.bea.wlpi.server.plugin	PluginDone	The interface that a plugin must implement to define a new done node type.
com.bea.wlpi.server.plugin	PluginEvent	The interface that a plugin must implement to define a new event node type.
com.bea.wlpi.server.plugin	PluginHome	The home interface for all plugins.
com.bea.wlpi.server.plugin	PluginNotification	The abstract base class for all plugin notifications.
com.bea.wlpi.server.plugin	PluginStart	The interface that a plugin must implement to define a new start node type.
com.bea.wlpi.server.plugin	PluginTemplateNode	The base interface for plugin provided start and done nodes.
com.bea.wlpi.server.plugin	TaskNotification	Notification object that describes a change to a task instance.
com.bea.wlpi.server.plugin	TemplateDefinitionNotification	Notification object that describes a change to a template definition.
com.bea.wlpi.server.plugin	TemplateNotification	Notification object that describes a change to a template.

XML Document Type Definitions

XML documents of various types are used as input and/or output by various API methods. Their document type definitions are as follows:

DTD	Used By	Purpose
Audit.dtd	WorkflowProcessor	A workflow auditing message.
BusinessCalendar.dtd	Admin	Business calendar rules definition.
ClientCallAddInReq.dtd	Worklist	Requests the client to invoke a client-side Java addin class.

ClientCallAddInResp.dtd	Worklist	Returns result from invoked client-side Java addin class.
ClientCallPgmReq.dtd	Worklist	Requests the client to launch an executable program.
ClientCallPgmResp.dtd	Worklist	Returns the exit status of an executable program.
ClientMsgBoxReq.dtd	Worklist	Requests the client to display a message box.
ClientMsgBoxResp.dtd	Worklist	Returns the user's response to a message box.
ClientReq.dtd	Worklist	Generic XML document returned by various worklist requests.
ClientSetVarsReq.dtd	Worklist	Requests the client to display a 'Set Variables' dialog.
ClientSetVarsResp.dtd	Worklist	Returns the user's response to a 'Set Variables' dialog.
StatisticsReq.dtd	Admin	Statistics report specification.
StatisticsResp.dtd	Admin	Statistics report results.
TemplateDefinition.dtd	Admin	Workflow process definition.
WorkloadReq.dtd	Admin	Workload report specification.
WorkloadResp.dtd	Admin	Workload report results.

Glossary of Terms

Follow this link for a [Glossary of Terms](#) used by WebLogic Process Integrator.

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com.bea.wlpi.common.plugin

Class ActionCategoryInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)

|
+-- [com.bea.wlpi.common.plugin.ActionCategoryInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

Direct Known Subclasses:

[ActionInfo](#), [CategoryInfo](#)

public abstract class **ActionCategoryInfo**

extends [InfoObject](#)

Provides information about an action or action category defined by a plugin. The abstract base class for [ActionInfo](#) and [CategoryInfo](#).

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

static int	ID_EXCEPTION Standard category system ID for exception handling actions.
static int	ID_INTEGRATION Standard category system ID for integration actions.
static int	ID_MISCELLANEOUS Standard category system ID for miscellaneous actions.
static int	ID_NEW Initial category ID for plugin-defined categories.

static int	<u>ID_TASK</u> Standard category system ID for task related actions.
static int	<u>ID_WORKFLOW</u> Standard category system ID for workflow related actions.
protected int	<u>parentSystemID</u> The system ID of the parent category.

Fields inherited from class <u>com.bea.wlpi.common.plugin.InfoObject</u>	
<u>classNames</u> , <u>description</u> , <u>ID</u> , <u>name</u> , <u>pluginName</u>	

Fields inherited from interface <u>com.bea.wlpi.common.plugin.PluginConstants</u>	
<u>CATEGORY ID BEGIN</u> , <u>CATEGORY ID EXCEPTION</u> , <u>CATEGORY ID INTEGRATION</u> , <u>CATEGORY ID MISCELLANEOUS</u> , <u>CATEGORY ID NEW</u> , <u>CATEGORY ID TASK</u> , <u>CATEGORY ID WORKFLOW</u> , <u>DEFINITION CREATED</u> , <u>DEFINITION DELETED</u> , <u>DEFINITION UPDATED</u> , <u>EVENT NOTIFICATION ALL</u> , <u>EVENT NOTIFICATION NONE</u> , <u>HELP HTML</u> , <u>HELP JAVA HELP</u> , <u>INSTANCE ABORTED</u> , <u>INSTANCE COMPLETED</u> , <u>INSTANCE CREATED</u> , <u>INSTANCE DELETED</u> , <u>INSTANCE UPDATED</u> , <u>MODE AUTOMATIC</u> , <u>MODE DISABLED</u> , <u>MODE MANUAL</u> , <u>NOTIFICATION DEFINITION</u> , <u>NOTIFICATION INSTANCE</u> , <u>NOTIFICATION TASK</u> , <u>NOTIFICATION TEMPLATE</u> , <u>STATUS DEPLOYED</u> , <u>STATUS ERROR</u> , <u>STATUS INITIALIZED</u> , <u>STATUS LOADED</u> , <u>STATUS LOADING</u> , <u>STATUS MISSING</u> , <u>STATUS UNLOADING</u> , <u>TASK ASSIGNED</u> , <u>TASK COMPLETED</u> , <u>TASK EXECUTED</u> , <u>TASK OVERDUE</u> , <u>TASK STARTED</u> , <u>TASK UNASSIGNED</u> , <u>TASK UNMARKED DONE</u> , <u>TASK UPDATED</u> , <u>TEMPLATE CREATED</u> , <u>TEMPLATE DELETED</u> , <u>TEMPLATE UPDATED</u> , <u>TYPE ACTION INFO</u> , <u>TYPE CONFIGURATION INFO</u> , <u>TYPE DONE INFO</u> , <u>TYPE EVENT HANDLER INFO</u> , <u>TYPE EVENT INFO</u> , <u>TYPE FIELD INFO</u> , <u>TYPE FUNCTION INFO</u> , <u>TYPE HELP SET INFO</u> , <u>TYPE START INFO</u> , <u>TYPE TEMPLATE DEFINITION PROPERTIES INFO</u> , <u>TYPE TEMPLATE PROPERTIES INFO</u> , <u>TYPE VARIABLE TYPE INFO</u>	

Constructor Summary	
<u>ActionCategoryInfo</u> (java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, int parentSystemID, java.lang.String[] classNames) Create a new ActionCategoryInfo object.	

Method Summary

int	getParentSystemID() Return the system ID this object's parent category.
-----	--

Methods inherited from class `com.bea.wlpi.common.plugin.InfoObject`

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class `java.lang.Object`

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

Field Detail

ID_NEW

```
public static final int ID_NEW
```

Initial category ID for plugin-defined categories.

ID_TASK

```
public static final int ID_TASK
```

Standard category system ID for task related actions.

ID_WORKFLOW

```
public static final int ID_WORKFLOW
```

Standard category system ID for workflow related actions.

ID_INTEGRATION

```
public static final int ID_INTEGRATION
    Standard category system ID for integration actions.
```

ID_MISCELLANEOUS

```
public static final int ID_MISCELLANEOUS
    Standard category system ID for miscellaneous actions.
```

ID_EXCEPTION

```
public static final int ID_EXCEPTION
    Standard category system ID for exception handling actions.
```

parentSystemID

```
protected int parentSystemID
    The system ID of the parent category.
```

Constructor Detail

ActionCategoryInfo

```
public ActionCategoryInfo(java.lang.String pluginName,
    int ID,
    java.lang.String name,
    java.lang.String description,
    int parentSystemID,
    java.lang.String[] classNames)
```

Create a new ActionCategoryInfo object.

Parameters:

- pluginName - The reverse-DNS name of the plugin supplying this action or category.
- ID - The unique plugin-supplied identifier for this action or category.
- name - The localized name of this action or category.

`description` - The localized description of this action or category.

`parentSystemID` - The system ID of this object's parent category, as assigned by the Plugin Manager.

`classNames` - Array to identify plugin-supplied classes related to this `ActionCategoryInfo`. The array contains one entry for each of the `KEY_*` values listed in the subclass. The value for each entry is the corresponding fully qualified Java class name.

Method Detail

getParentSystemID

```
public int getParentSystemID()
```

Return the system ID this object's parent category.

Returns:

The parent category's system ID.

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WebLogic Process Integrator API Documentation

This document is the API specification of the *WebLogic Process Integrator*, version 2.0.

See:

[Description](#)

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com.bea.wlpi.client.common	Provides the WebLogic Process Integrator common client-side classes.
com.bea.wlpi.client.util	Various utilities for use with WebLogic Process Integrator.
com.bea.wlpi.common	Provides common classes used by both the WebLogic Process Integrator client and server.
com.bea.wlpi.common.plugin	Provides common classes used by plugins in the WebLogic Process Integrator client and server.
com.bea.wlpi.common.security	Provides common classes used by security in the WebLogic Process Integrator.

This document is the API specification of the *WebLogic Process Integrator*, version 2.0.



WebLogic Process Integrator™

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Enterprise Java Beans

Remote Interface	Home Interface	Purpose
Admin	AdminHome	Administrative and design time services
Audit	AuditHome	Auditing services
EJBCatalog	EJBCatalogHome	EJB cataloging
Permission	PermissionHome	Permissions for organizations, roles and users
PluginManager	PluginManagerHome	Manages installed plugins
PluginManagerCfg	PluginManagerCfgHome	Configures installed plugins
WLPIPrincipal	WLPIPrincipalHome	Organizations, roles and users
ServerProperties	ServerPropertiesHome	Server information
Worklist	WorklistHome	Worklist services

Additional Public API Classes

The following classes are used by the public API, but do not belong to documented packages. They are listed below for navigational purposes, and to provide a high-level context for their use.

Package	Class	Purpose
com.bea.wlpi.evaluator	EvaluationContext	Passes evaluation parameters to nodes in an expression parse tree.
com.bea.wlpi.server.common	ExecutionContext	Provides run-time context and services to plugin-supplied nodes and actions.
com.bea.wlpi.server.plugin	ActionContext	Provides additional run-time context and services to plugin actions.
com.bea.wlpi.server.plugin	EventContext	Provides additional run-time context and services to plugin event and start nodes.

com.bea.wlpi.server.plugin	EventHandler	An interface through which plugins can handle or transform incoming event data.
com.bea.wlpi.server.plugin	InstanceNotification	Notification object that describes a change to a workflow instance.
com.bea.wlpi.server.plugin	Plugin	Remote interface that defines the functionality of a plugin.
com.bea.wlpi.server.plugin	PluginAction	The interface that a plugin must implement to define a new action.
com.bea.wlpi.server.plugin	PluginDone	The interface that a plugin must implement to define a new done node type.
com.bea.wlpi.server.plugin	PluginEvent	The interface that a plugin must implement to define a new event node type.
com.bea.wlpi.server.plugin	PluginHome	The home interface for all plugins.
com.bea.wlpi.server.plugin	PluginNotification	The abstract base class for all plugin notifications.
com.bea.wlpi.server.plugin	PluginStart	The interface that a plugin must implement to define a new start node type.
com.bea.wlpi.server.plugin	PluginTemplateNode	The base interface for plugin provided start and done nodes.
com.bea.wlpi.server.plugin	TaskNotification	Notification object that describes a change to a task instance.
com.bea.wlpi.server.plugin	TemplateDefinitionNotification	Notification object that describes a change to a template definition.
com.bea.wlpi.server.plugin	TemplateNotification	Notification object that describes a change to a template.

XML Document Type Definitions

XML documents of various types are used as input and/or output by various API methods. Their document type definitions are as follows:

DTD	Used By	Purpose
Audit.dtd	WorkflowProcessor	A workflow auditing message.
BusinessCalendar.dtd	Admin	Business calendar rules definition.
ClientCallAddInReq.dtd	Worklist	Requests the client to invoke a client-side Java addin class.
ClientCallAddInResp.dtd	Worklist	Returns result from invoked client-side Java addin class.

ClientCallPgmReq.dtd	Worklist	Requests the client to launch an executable program.
ClientCallPgmResp.dtd	Worklist	Returns the exit status of an executable program.
ClientMsgBoxReq.dtd	Worklist	Requests the client to display a message box.
ClientMsgBoxResp.dtd	Worklist	Returns the user's response to a message box.
ClientReq.dtd	Worklist	Generic XML document returned by various worklist requests.
ClientSetVarsReq.dtd	Worklist	Requests the client to display a 'Set Variables' dialog.
ClientSetVarsResp.dtd	Worklist	Returns the user's response to a 'Set Variables' dialog.
StatisticsReq.dtd	Admin	Statistics report specification.
StatisticsResp.dtd	Admin	Statistics report results.
TemplateDefinition.dtd	Admin	Workflow process definition.
WorkloadReq.dtd	Admin	Workload report specification.
WorkloadResp.dtd	Admin	Workload report results.

Glossary of Terms

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Hierarchy For All Packages

Package Hierarchies:

[com.bea.eci.repository.helper](#), [com.bea.wlpi.client.common](#), [com.bea.wlpi.client.util](#),
[com.bea.wlpi.common](#), [com.bea.wlpi.common.plugin](#), [com.bea.wlpi.common.security](#)

Class Hierarchy

- class java.lang.Object
 - class javax.swing.table.AbstractTableModel (implements java.io.Serializable, javax.swing.table.TableModel)
 - class com.bea.wlpi.client.common.[MappedTableModel](#) (implements javax.swing.event.TableModelListener)
 - class com.bea.wlpi.client.common.[SortableTableModel](#)
 - class com.bea.wlpi.client.common.[Attachments](#)
 - class com.bea.wlpi.client.common.[AttachmentsLayout](#) (implements java.awt.LayoutManager2)
 - class com.bea.wlpi.common.[BusinessCalendarInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[ClassDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[ClassInvocationDescriptor](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class java.awt.Component (implements java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable)
 - class java.awt.Container
 - class javax.swing.JComponent (implements java.io.Serializable)
 - class javax.swing.AbstractButton (implements java.awt.ItemSelectable, javax.swing.SwingConstants)
 - class javax.swing.JMenuItem (implements javax.accessibility.Accessible, javax.swing.MenuElement)
 - class com.bea.wlpi.client.common.[ColumnsMenuItem](#) (implements java.awt.event.ActionListener)
 - class javax.swing.JMenu (implements javax.accessibility.Accessible, javax.swing.MenuElement)
 - class com.bea.wlpi.client.common.[ColumnSorterMenu](#) (implements java.awt.event.ActionListener, javax.swing.event.TableColumnModelListener,

- javafx.swing.event.TableModelListener)
 - class com.bea.wlpi.client.common.[LookAndFeelMenu](#) (implements java.awt.event.ActionListener)
- class javafx.swing.JLabel (implements javafx.accessibility.Accessible, javafx.swing.SwingConstants)
 - class javafx.swing.plaf.basic.BasicComboBoxRenderer (implements javafx.swing.ListCellRenderer, java.io.Serializable)
 - class com.bea.wlpi.client.common.[CustomEventComboBoxRenderer](#)
- class javafx.swing.JPanel (implements javafx.accessibility.Accessible)
 - class com.bea.wlpi.common.plugin.[PluginPanel](#) (implements java.lang.Cloneable)
 - class com.bea.wlpi.common.plugin.[PluginActionPanel](#)
 - class com.bea.wlpi.common.plugin.[PluginTriggerPanel](#)
 - class com.bea.wlpi.common.plugin.[PluginVariablePanel](#)
 - class com.bea.wlpi.client.repository.[RepositoryExplorer](#) (implements java.awt.event.ActionListener, java.awt.datatransfer.ClipboardOwner)
- class javafx.swing.JRootPane (implements javafx.accessibility.Accessible)
 - class com.bea.wlpi.client.worklist.[WorklistPane](#) (implements java.awt.event.ActionListener, javafx.swing.event.ChangeListener, javafx.jms.MessageListener)
- class javafx.swing.JScrollPane (implements javafx.accessibility.Accessible, javafx.swing.ScrollPaneConstants)
 - class com.bea.wlpi.client.common.[Tasklist](#) (implements javafx.jms.MessageListener)
- class java.awt.Panel (implements javafx.accessibility.Accessible)
 - class java.applet.Applet
 - class javafx.swing.JApplet (implements javafx.accessibility.Accessible, javafx.swing.RootPaneContainer)
 - class com.bea.wlpi.client.worklist.[WorklistApplet](#)
- class java.awt.Window (implements javafx.accessibility.Accessible)
 - class java.awt.Dialog
 - class javafx.swing.JDialog (implements javafx.accessibility.Accessible, javafx.swing.RootPaneContainer, javafx.swing.WindowConstants)
 - class com.bea.wlpi.client.common.[ColumnsDialog](#) (implements java.awt.event.ActionListener)
 - class com.bea.wlpi.client.common.[Logon](#) (implements java.awt.event.ActionListener)
 - class com.bea.wlpi.client.common.[TaskPropertiesDialog](#) (implements java.awt.event.ActionListener)

- class com.bea.wlpi.client.common.[TaskReassignDialog](#) (implements java.awt.event.ActionListener)
- class com.bea.wlpi.client.common.[WorkflowStatusDialog](#) (implements java.awt.event.ActionListener)
- class java.awt.Frame (implements java.awt.MenuContainer)
 - class javax.swing.JFrame (implements javax.accessibility.Accessible, javax.swing.RootPaneContainer, javax.swing.WindowConstants)
 - class com.bea.wlpi.client.worklist.[WorklistFrame](#) (implements java.awt.event.ActionListener)
- class com.bea.wlpi.common.plugin.[ConfigurationData](#) (implements java.io.Serializable)
- class javax.swing.table.DefaultTableColumnModel (implements javax.swing.event.ListSelectionListener, java.beans.PropertyChangeListener, java.io.Serializable, javax.swing.table.TableColumnModel)
 - class com.bea.wlpi.client.common.[WATableColumnModel](#)
- class com.bea.wlpi.common.[EJBDescriptor](#) (implements java.io.Serializable)
- class com.bea.wlpi.common.[EJBInvocationDescriptor](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.security.[EnumPermission](#)
- class com.bea.wlpi.evaluator.[EvaluationContext](#)
- class com.bea.wlpi.common.[EventKeyInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.client.common.[ExceptionHandler](#) (implements java.lang.Runnable)
- class javax.swing.filechooser.FileFilter
 - class com.bea.wlpi.client.common.[ExtensionFileFilter](#)
- class com.bea.wlpi.client.common.[GUID](#)
- class com.bea.wlpi.client.common.[HelpListener](#) (implements java.awt.event.ActionListener)
- class com.bea.wlpi.client.common.[ImageFactory](#)
- class com.bea.wlpi.common.plugin.[InfoObject](#) (implements java.lang.Comparable, com.bea.wlpi.common.plugin.[PluginConstants](#), java.io.Serializable)
 - class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)
 - class com.bea.wlpi.common.plugin.[ActionInfo](#)
 - class com.bea.wlpi.common.plugin.[CategoryInfo](#)
 - class com.bea.wlpi.common.plugin.[ConfigurationInfo](#)
 - class com.bea.wlpi.common.plugin.[EventHandlerInfo](#)
 - class com.bea.wlpi.common.plugin.[FieldInfo](#)
 - class com.bea.wlpi.common.plugin.[FunctionInfo](#)
 - class com.bea.wlpi.common.plugin.[HelpSetInfo](#)
 - class com.bea.wlpi.common.plugin.[PluginDependency](#)

- class com.bea.wlpi.common.plugin.[PluginInfo](#)
- class com.bea.wlpi.common.plugin.[TemplateDefinitionPropertiesInfo](#)
- class com.bea.wlpi.common.plugin.[TemplateNodeInfo](#)
 - class com.bea.wlpi.common.plugin.[DoneInfo](#)
 - class com.bea.wlpi.common.plugin.[EventInfo](#)
 - class com.bea.wlpi.common.plugin.[StartInfo](#)
- class com.bea.wlpi.common.plugin.[TemplatePropertiesInfo](#)
- class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)
- class com.bea.wlpi.common.[InstanceInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.client.util.[JMSTest](#) (implements javax.jms.MessageListener)
- class com.bea.wlpi.client.util.[JMSTestAddr](#) (implements javax.jms.MessageListener)
- class com.bea.wlpi.server.common.[JNDIHelper](#)
- class com.bea.wlpi.common.[LongStrings](#)
- class com.bea.wlpi.client.common.[MessageDialog](#)
- class com.bea.wlpi.common.[MethodDescriptor](#) (implements java.io.Serializable)
- class com.bea.eci.repository.helper.[ObjectFolderUtil](#)
- class com.bea.wlpi.common.[OrganizationInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[PackageEntry](#) (implements java.io.Serializable)
- class com.bea.wlpi.common.security.[PermissionInfo](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.security.[RolePermissionInfo](#)
 - class com.bea.wlpi.common.security.[UserPermissionInfo](#)
- class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#) (implements java.io.Serializable)
- class com.bea.wlpi.server.plugin.[PluginConfiguration](#) (implements com.bea.wlpi.common.plugin.[PluginConstants](#), java.io.Serializable)
- class com.bea.wlpi.server.plugin.[PluginNotification](#) (implements java.io.Serializable)
 - class com.bea.wlpi.server.plugin.[InstanceNotification](#)
 - class com.bea.wlpi.server.plugin.[TaskNotification](#)
 - class com.bea.wlpi.server.plugin.[TemplateDefinitionNotification](#)
 - class com.bea.wlpi.server.plugin.[TemplateNotification](#)
- class com.bea.wlpi.common.[PublishPackage](#) (implements java.io.Serializable)
- class com.bea.eci.repository.helper.[RepositoryActions](#)
- class com.bea.eci.repository.helper.[RepositoryFolderInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#) (implements

- com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[RerouteInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.client.common.[Resources](#)
- class com.bea.wlpi.common.[RoleInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[TaskInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.common.[TemplateDefinitionInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[TemplateInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.eci.repository.helper.[TextDocumentUtil](#)
- class java.lang.Throwable (implements java.io.Serializable)
 - class java.lang.Exception
 - class com.bea.eci.repository.helper.[RepositoryException](#)
 - class com.bea.wlpi.common.[WorkflowException](#)
 - class com.bea.wlpi.evaluator.[EvaluatorException](#)
 - class com.bea.wlpi.common.plugin.[PluginException](#)
- class com.bea.eci.repository.helper.[Types](#)
- class com.bea.wlpi.common.[UserInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[VariableInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.client.common.[Version](#)
- class com.bea.wlpi.common.[VersionInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.client.common.[WLPI](#)
- class com.bea.eci.repository.helper.[XMLEntityInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.common.[XMLEntityInfoHelper](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[XMLProxy](#) (implements org.xml.sax.ContentHandler, org.xml.sax.XMLReader)
- class com.bea.wlpi.common.[XMLWriter](#)

Interface Hierarchy

- interface com.bea.wlpi.server.plugin.[ActionContext](#)
- interface java.lang.Cloneable
 - interface com.bea.wlpi.common.plugin.[PluginData](#) (also extends com.bea.wlpi.common.plugin.[PluginObject](#))
 - interface com.bea.wlpi.common.plugin.[PluginActionData](#)
- interface org.xml.sax.ContentHandler
 - interface com.bea.wlpi.common.plugin.[PluginObject](#) (also extends java.io.Serializable)
 - interface com.bea.wlpi.server.plugin.[PluginAction](#)
 - interface com.bea.wlpi.common.plugin.[PluginData](#) (also extends java.lang.Cloneable)
 - interface com.bea.wlpi.common.plugin.[PluginActionData](#)
 - interface com.bea.wlpi.server.plugin.[PluginEvent](#)
 - interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#)
 - interface com.bea.wlpi.server.plugin.[PluginDone](#)
 - interface com.bea.wlpi.server.plugin.[PluginStart](#)
- interface com.bea.wlpi.server.plugin.[EventContext](#)
- interface com.bea.wlpi.server.common.[ExecutionContext](#)
- interface com.bea.wlpi.server.common.[JNDITags](#)
- interface com.bea.wlpi.common.[Messages](#)
- interface com.bea.wlpi.common.plugin.[PluginConstants](#)
- interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)
- interface com.bea.wlpi.common.plugin.[PluginVariableRenderer](#)
- interface com.bea.wlpi.common.[Publishable](#)
- interface java.rmi.Remote
 - interface javax.ejb.EJBHome
 - interface com.bea.wlpi.server.admin.[AdminHome](#)
 - interface com.bea.wlpi.server.audit.[AuditHome](#)
 - interface com.bea.wlpi.server.catalog.[EJBCatalogHome](#)
 - interface com.bea.wlpi.server.permission.[PermissionHome](#)
 - interface com.bea.wlpi.server.plugin.[PluginHome](#)
 - interface com.bea.wlpi.server.plugin.[PluginManagerCfgHome](#)
 - interface com.bea.wlpi.server.plugin.[PluginManagerHome](#)
 - interface com.bea.wlpi.server.serverproperties.[ServerPropertiesHome](#)
 - interface com.bea.wlpi.server.principal.[WLPIPrincipalHome](#)
 - interface com.bea.wlpi.server.worklist.[WorklistHome](#)

- interface com.bea.eci.repository.ejb.[XMLRepositoryHome](#)
- interface javax.ejb.EJBObject
 - interface com.bea.wlpi.server.admin.[Admin](#)
 - interface com.bea.wlpi.server.audit.[Audit](#)
 - interface com.bea.wlpi.server.catalog.[EJBCatalog](#)
 - interface com.bea.wlpi.server.permission.[Permission](#)
 - interface com.bea.wlpi.server.plugin.[Plugin](#)
 - interface com.bea.wlpi.server.plugin.[PluginManager](#)
 - interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)
 - interface com.bea.wlpi.server.serverproperties.[ServerProperties](#)
 - interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)
 - interface com.bea.wlpi.server.worklist.[Worklist](#)
 - interface com.bea.eci.repository.ejb.[XMLRepository](#)
- interface com.bea.eci.repository.helper.[RepositoryExceptionMessages](#)
- interface java.io.Serializable
 - interface com.bea.wlpi.server.plugin.[EventHandler](#)
 - interface com.bea.wlpi.common.plugin.[PluginField](#)
 - interface com.bea.wlpi.common.plugin.[PluginFunction](#)
 - interface com.bea.wlpi.common.plugin.[PluginObject](#) (also extends org.xml.sax.ContentHandler)
 - interface com.bea.wlpi.server.plugin.[PluginAction](#)
 - interface com.bea.wlpi.common.plugin.[PluginData](#) (also extends java.lang.Cloneable)
 - interface com.bea.wlpi.common.plugin.[PluginActionData](#)
 - interface com.bea.wlpi.server.plugin.[PluginEvent](#)
 - interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#)
 - interface com.bea.wlpi.server.plugin.[PluginDone](#)
 - interface com.bea.wlpi.server.plugin.[PluginStart](#)
- interface com.bea.wlpi.common.[WLPIConstants](#)
- interface com.bea.wlpi.client.worklist.[WorklistAddIn](#)

Deprecated API

Deprecated Methods

[com.bea.wlpi.server.plugin.PluginManager.addInstanceListener\(Plugin, int\)](#)

Call [PluginManagerCfg.addInstanceListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#).

The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.addTaskListener\(Plugin, int\)](#)

Call [PluginManagerCfg.addTaskListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The

cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.addTemplateDefinitionListener\(Plugin, int\)](#)

Call

[PluginManagerCfg.addTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.addTemplateListener\(Plugin, int\)](#)

Call [PluginManagerCfg.addTemplateListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#).

The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.admin.Admin.createTemplate\(String, Collection\)](#)

Use the new [or](#) [{@link #createTemplate\(String,String,Collection,Object\) idempotent version}](#).

[com.bea.wlpi.server.principal.WLPIPrincipal.createWlpiUser\(String, String\)](#)

WLPI 1.2.1 release

[com.bea.wlpi.common.EventKeyInfo.getRoot\(\)](#)

Use [EventKeyInfo.getEventDescriptor\(\)](#) instead.

[com.bea.wlpi.server.worklist.Worklist.invokeWorkflowErrorHandler\(String, String, String, String\)](#)

Use [Worklist.invokeWorkflowExceptionHandler\(java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#) instead.

[com.bea.wlpi.server.plugin.PluginManager.refresh\(\)](#)

Call [PluginManagerCfg.refresh\(\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.removeInstanceListener\(Plugin\)](#)

Call [PluginManagerCfg.removeInstanceListener\(com.bea.wlpi.server.plugin.Plugin\)](#).

The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.removeTaskListener\(Plugin\)](#)

Call [PluginManagerCfg.removeTaskListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The

cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.removeTemplateDefinitionListener\(Plugin\)](#)

Call

[PluginManagerCfg.removeTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin\)](#).

The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.server.plugin.PluginManager.removeTemplateListener\(Plugin\)](#)

Call [PluginManagerCfg.removeTemplateListener\(com.bea.wlpi.server.plugin.Plugin\)](#).

The cluster-wide plugin manager state is pinned to a single server in the cluster.

[com.bea.wlpi.client.common.ExceptionHandler.reportException\(Exception\)](#)

Use the [two-args overload](#) to pass a parent component. This ensures that the message box is displayed correctly and avoids lost-focus problems.

[com.bea.wlpi.client.common.AttachmentsLayout.setBorder\(int, int\)](#)

Set the border on the parent container instead.

[com.bea.wlpi.server.admin.Admin.setTemplateNameOrgs\(String, String, Collection\)](#)

Use [Admin.setTemplateOrgs\(java.lang.String, java.util.Collection\)](#) and [Admin.updateTemplate\(com.bea.wlpi.common.TemplateInfo\)](#).

Deprecated Constructors

[com.bea.wlpi.common.EventKeyInfo\(String, String\)](#)

Use the [full constructor](#) instead.

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A

[about\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[accept\(File\)](#) - Method in class com.bea.wlpi.client.common.[ExtensionFileFilter](#)

Whether the given file is accepted by the filter.

[ACTION_STATE_ALL](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid under all action states.

[ACTION_STATE_COMMIT](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid in an exception handler.

[ACTION_STATE_COMMIT_ASYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as an an asynchronously executed sub-action in an exception handler's commit path.

[ACTION_STATE_COMMIT_SYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as a synchronously executed sub-action in an exception handler's commit path.

[ACTION_STATE_NODE](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid in a node.

[ACTION_STATE_NODE_ASYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as an asynchronously executed sub-action in a node.

[ACTION_STATE_NODE_SYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as a synchronously executed sub-action in a node.

[ACTION_STATE_ROLLBACK](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as an an action in an exception handler's rollback path.

[ACTION_STATE_ROLLBACK_ASYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as an an asynchronously executed sub-action in an exception handler's rollback path.

[ACTION_STATE_ROLLBACK_SYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Flag indicating that this action is valid as a synchronously executed sub-action in an exception handler's rollback path.

[ACTION_STATE_TRANS_ASYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

The action has subactions that the system invokes asynchronously.

[ACTION_STATE_TRANS_NONE](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

The action has no subactions.

[ACTION_STATE_TRANS_SYNC](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

The action has subactions that the system invokes synchronously.

[ActionCategoryInfo](#) - class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#).

Provides information about an action or action category defined by a plugin.

[ActionCategoryInfo\(String, int, String, String, int, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

Create a new `ActionCategoryInfo` object.

[ActionContext](#) - interface com.bea.wlpi.server.plugin.[ActionContext](#).

Provides run-time context and services to plugin actions.

[ActionInfo](#) - class com.bea.wlpi.common.plugin.[ActionInfo](#).

Provides information about an action defined by a plugin.

[ActionInfo\(String, int, String, String, Icon, int, int, int, String\[\], String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[ActionInfo](#)

Create a new `ActionInfo` object.

[ActionInfo\(String, int, String, String, Icon, int, int, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[ActionInfo](#)

Create a new `ActionInfo` object.

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.repository.[RepositoryExplorer](#)

Internal Use Only.

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistFrame](#)

Listen for the `WorklistPane.CMD_EXIT` command.

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Internal use only.

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[TaskPropertiesDialog](#)

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[Logon](#)

Internal use only.

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[HelpListener](#)

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[ColumnsMenuItem](#)

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[ColumnsDialog](#)

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[WorkflowStatusDialog](#)

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[LookAndFeelMenu](#)

Internal use only.

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

[actionPerformed\(ActionEvent\)](#) - Method in class com.bea.wlpi.client.common.[TaskReassignDialog](#)

[activate\(EventContext, ExecutionContext\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginEvent](#)

Activate this event.

[activate\(ExecutionContext\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#)

Activate the template node.

[activateEvent\(ExecutionContext, String, String, String, String\)](#) - Method in interface com.bea.wlpi.server.plugin.[EventContext](#)

Perform default event activation.

[addActionListener\(ActionListener\)](#) - Method in class com.bea.wlpi.client.repository.[RepositoryExplorer](#)

Register a listener for events generated by this object.

[addActionListener\(ActionListener\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Add an `ActionListener` to the worklist.

[addBusinessCalendar\(BusinessCalendarInfo\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a new business calendar.

[addBusinessOperation\(ClassInvocationDescriptor\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a new business operation implemented by a Java class.

[addBusinessOperation\(EJBInvocationDescriptor\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a new business operation implemented by an EJB.

[addChildFolder\(RepositoryFolderInfo, RepositoryFolderInfo\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Place an exiting folder inside another (existing) folder.

[addChildFolder\(RepositoryFolderInfo, RepositoryFolderInfo\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Place an exiting folder inside another (existing) folder.

[addClientResponse\(String\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Append an XML subdocument to the API method's return value.

[addEntityToFolder\(XMLEntityInfo, RepositoryFolderInfo\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Place an existing entity in an existing folder.

[addEntityToFolder\(XMLEntityInfo, RepositoryFolderInfo\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Place an existing entity in an existing folder.

[addEntry\(PackageEntry\)](#) - Method in class com.bea.wlpi.common.[PublishPackage](#)

[addEventKey\(EventKeyInfo\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a new event key.

[addExtension\(String\)](#) - Method in class com.bea.wlpi.client.common.[ExtensionFileFilter](#)

Add another extension to the list of those recognized by the filter.

[addInCall\(WorklistPane, Object\[\]\)](#) - Method in interface com.bea.wlpi.client.worklist.[WorklistAddIn](#)

Process a client-side addin call, using the supplied arguments.

[addInstanceListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Deprecated. Call [PluginManagerCfg.addInstanceListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[addInstanceListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Register a specific plugin as an [InstanceNotification](#) listener.

[addLayoutComponent\(Component, Object\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

[addLayoutComponent\(String, Component\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

[addOrganization\(OrganizationInfo\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Create a new organization.

[addParentFolder\(RepositoryFolderInfoHelper\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[addReroute\(String, String, String, int, Timestamp, Timestamp\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a new task reroute.

[addRole\(RoleInfo\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Create a new role.

[addStateChangeListener\(PluginManagerHome\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Register the home interface of a plugin manager deployed on a slave server.

[addSubNode\(ActionCategoryInfo\)](#) - Method in class com.bea.wlpi.common.plugin.[CategoryInfo](#)

Add an action or sub-category to this category.

[addTaskListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Deprecated. Call [PluginManagerCfg.addTaskListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[addTaskListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Register a specific plugin as a [TaskNotification](#) listener.

[addTemplateDefinitionListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Deprecated. Call

[PluginManagerCfg.addTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[addTemplateDefinitionListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Register a specific plugin as a [TemplateDefinitionNotification](#) listener.

[addTemplateListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Deprecated. Call [PluginManagerCfg.addTemplateListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[addTemplateListener\(Plugin, int\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Register a specific plugin as a [TemplateNotification](#) listener.

[addUserToOrganization\(String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Add a user to an organization.

[addUserToRole\(String, String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Add a user to a role.

[Admin](#) - interface com.bea.wlpi.server.admin.[Admin](#).

Provides WebLogic Process Integrator administrative functions.

[AdminHome](#) - interface com.bea.wlpi.server.admin.[AdminHome](#).

Home interface for the [Admin](#) session EJB.

[allColumns](#) - Static variable in class com.bea.wlpi.client.common.[Tasklist](#)

A table column model containing the set of all displayable columns.

[allowSecurityRealmUpdates\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Check whether the installed security realm is both manageable and persistent.

[Attachments](#) - class com.bea.wlpi.client.common.[Attachments](#).

Layout constraints object used by [AttachmentsLayout](#).

[Attachments\(\)](#) - Constructor for class com.bea.wlpi.client.common.[Attachments](#)

[AttachmentsLayout](#) - class com.bea.wlpi.client.common.[AttachmentsLayout](#).

A [LayoutManager](#) that uses attachments between components.

[AttachmentsLayout\(\)](#) - Constructor for class com.bea.wlpi.client.common.[AttachmentsLayout](#)

[AUDIO_NOTIFICATION](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[Audit](#) - interface com.bea.wlpi.server.audit.[Audit](#).

Provides workflow auditing and error reporting facilities.

[AUDIT_HOME](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

JNDI/EJB environment entry for the [Audit](#) bean.

[AUDIT_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

Topics and Queues.

[AuditHome](#) - interface com.bea.wlpi.server.audit.[AuditHome](#).

Home interface for the [Audit](#) session EJB.

B

[borderSpacing](#) - Static variable in class com.bea.wlpi.client.repository.[RepositoryExplorer](#)

Border size for this component

[BOTTOM](#) - Static variable in class com.bea.wlpi.client.common.[Attachments](#)

Component is attached to the bottom side of its parent.

[BUS_OP_CLASS_NAME_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The server could not find the Java class {0}."

[BUS_OP_JNDI_NAME_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The server could not find an EJB deployed with JNDI name {0}."

[BUS_OP_METHOD_FAILED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Empty instance object for business operation {0} in template {1}."

[BUS_OP_NO_INSTANCE_VARIABLE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Empty instance object for business operation {0} in template {1}."

[BUSINESS_CALENDAR](#) - Static variable in interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS_CALENDAR](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Business Calendar"

[BUSINESS_CALENDAR_HOME](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

JNDI/EJB environment entry for the BusinessCalendar bean.

[BUSINESS_OP_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified business operation {0}."

[BUSINESS_OPERATION](#) - Static variable in interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS_OPERATION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Business Operation"

[BusinessCalendarInfo](#) - class com.bea.wlpi.common.[BusinessCalendarInfo](#).

Holds information about a business calendar.

[BusinessCalendarInfo\(String, String, String, String\)](#) - Constructor for class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Create a new BusinessCalendarInfo object.

[BusinessCalendarInfo\(String, String, String, String, boolean\)](#) - Constructor for class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Create a new BusinessCalendarInfo object.

C

[CAL_BAD_TIMEZONE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Timezone identifier {0} is not recognized."

[CAL_CANNOT_DELETE_TEMPLATE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot delete a Business Calendar's template rules."

[CAL_ID_NOT_SPECIFIED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No business calendar id specified in expression."

[CAL_NO_XML_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No XML found for calendar."

[CAL_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified business calendar {0}."

[CAL_PROCESSOR_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the processor for business calendar {0}."

[CAL_RULE_BAD_CHAR](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Line {0}, column {1}: unexpected character {2} in Business Calendar rule."

[CAL_RULE_BAD_TOKEN](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Line {0}, column {1}: unexpected token {2} in Business Calendar rule."

[CAL_RULES_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Business Calendar {0} has no rules defined for the year {1}."

[CALENDAR_NAMES_UNIQUE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"{0} is already used as business calendar name."

[CALTYPE_ASSIGNEE](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Use task assignee calendar when evaluating expressions.

[CALTYPE_GREGORIAN](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Use Gregorian calendar when evaluating expressions.

[CALTYPE_ORG](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Use instance org calendar when evaluating expressions.

[CALTYPE_SPECIFIC](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Use specific calendar when evaluating expressions.

[CANNOT_CREATE_BUSINESS_OPERATION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot create the business operation, because the name \"{0}\" already exists."

[CANNOT_DELETE_SYSTEM_USER](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot delete system user {0}."

[CANNOT_MAP_GROUP](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot map the role \"{0}\" to the system group \"{1}\"."

[CANNOT_UPDATE_BUSINESS_OPERATION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot update the business operation, because the name \"{0}\" already exists."

[CATEGORY_ID_BEGIN](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

System assigned plugin category IDs start here.

[CATEGORY_ID_EXCEPTION](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Category ID for exception handling actions.

[CATEGORY_ID_INTEGRATION](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Category ID for integration actions.

[CATEGORY_ID_MISCELLANEOUS](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Category ID for miscellaneous actions.

[CATEGORY_ID_NEW](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Category ID for new plugin-defined categories.

[CATEGORY_ID_TASK](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Category ID for task related actions.

[CATEGORY_ID_WORKFLOW](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Category ID for workflow related actions.

[CategoryInfo](#) - class com.bea.wlpi.common.plugin.[CategoryInfo](#).

Provides information about an action category defined by a plugin.

[CategoryInfo\(String, int, String, String, int, ActionCategoryInfo\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[CategoryInfo](#)

Create a new action category.

[characters\(char\[\], int, int\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[checkForTemplateDefinitionInstances\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Check whether the specified workflow template definition has any instances.

[checkForTemplateInstances\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Check whether a workflow template has any instances.

[CHECKSUM_FAILURE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The file you are importing from has an invalid checksum.\n Import failed."

[checkVariable\(String, String\[\]\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Check to see if a variable exists.

[CLASS_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to load class object for {0}; {1}."

[ClassDescriptor](#) - class com.bea.wlpi.common.[ClassDescriptor](#).

Describes a server-side Java class.

[ClassDescriptor\(Class\)](#) - Constructor for class com.bea.wlpi.common.[ClassDescriptor](#)

Create a new class descriptor object.

[classForName\(String\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return a plugin-defined class.

[classForName\(String, String\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a plugin-defined class.

[ClassInvocationDescriptor](#) - class com.bea.wlpi.common.[ClassInvocationDescriptor](#).

Describes and implements the invocation of a method in an arbitrary Java class.

[ClassInvocationDescriptor\(String, String, MethodDescriptor, String\[\], MethodDescriptor, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Create a new class invocation descriptor object.

[ClassInvocationDescriptor\(String, String, MethodDescriptor, String\[\], MethodDescriptor, String\[\], boolean\)](#) - Constructor for class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Create a new class invocation descriptor object.

[classNames](#) - Variable in class com.bea.wlpi.common.plugin.[InfoObject](#)

An array containing the fully qualified Java class names of the plugin-provided implementation classes and customizers for this object type.

[clone\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Clone a ClassInvocationDescriptor instance.

[clone\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

clone an EJBInvocationDescriptor object.

[clone\(\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginData](#)

Clone the plugin data.

[CMD_ABOUT](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[CMD_ATTACHMENTS](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[CMD_DONE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_EXECUTE - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_EXIT - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_INACTIVE - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_LOGOFF - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_LOGON - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_LOGONMSG - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_MARK_DONE - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_OPTIONS - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_ORG - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_PENDING - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_PROPERTIES - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_REASSIGN - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_REFRESH - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_START - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_STATUS - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_TAKE - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

CMD_UNMARK_DONE - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

columnAdded(TableColumnModelEvent) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

columnMarginChanged(ChangeEvent) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

columnMoved(TableColumnModelEvent) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

columnRemoved(TableColumnModelEvent) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

ColumnsDialog - class com.bea.wlpi.client.common.[ColumnsDialog](#).

A dialog to allow a user to customize the columns displayed in a JTable.

[ColumnsDialog\(Frame, TableColumnModel, TableColumnModel, TableColumnModel\)](#) - Constructor for class `com.bea.wlpi.client.common.ColumnsDialog`

Create a `ColumnsDialog` object for the specified table column model.

[columnSelectionChanged\(ListSelectionEvent\)](#) - Method in class `com.bea.wlpi.client.common.ColumnSorterMenu`

[ColumnsMenuItem](#) - class `com.bea.wlpi.client.common.ColumnsMenuItem`.

Supports customization of JTables.

[ColumnsMenuItem\(TableColumnModel, TableColumnModel, TableColumnModel\)](#) - Constructor for class `com.bea.wlpi.client.common.ColumnsMenuItem`

Create a `ColumnsMenuItem` to customize the specified table column model.

[ColumnSorterMenu](#) - class `com.bea.wlpi.client.common.ColumnSorterMenu`.

A `JMenu` that supports sorting of JTables.

[ColumnSorterMenu\(JTable\)](#) - Constructor for class `com.bea.wlpi.client.common.ColumnSorterMenu`

Create a `ColumnSorterMenu` associated with the specified `JTable`.

[com.bea.eci.repository.helper](#) - package `com.bea.eci.repository.helper`

Provides the classes required by the ECI repository interface.

[com.bea.wlpi.client.common](#) - package `com.bea.wlpi.client.common`

Provides the WebLogic Process Integrator common client-side classes.

[com.bea.wlpi.client.util](#) - package `com.bea.wlpi.client.util`

Various utilities for use with WebLogic Process Integrator.

[com.bea.wlpi.common](#) - package `com.bea.wlpi.common`

Provides common classes used by both the WebLogic Process Integrator client and server.

[com.bea.wlpi.common.plugin](#) - package `com.bea.wlpi.common.plugin`

Provides common classes used by plugins in the WebLogic Process Integrator client and server.

[com.bea.wlpi.common.security](#) - package `com.bea.wlpi.common.security`

Provides common classes used by security in the WebLogic Process Integrator.

[compareTo\(Object\)](#) - Method in class `com.bea.eci.repository.helper.XMLEntityInfo`

Determines if this `XMLEntityInfo` object is equal, less than, or greater than the passed in `XMLEntityInfo` object.

[compareTo\(Object\)](#) - Method in class `com.bea.eci.repository.helper.RepositoryFolderInfo`

Determines if this `RepositoryFolderInfo` object is equal, less than, or greater than the passed in `RepositoryFolderInfo` object.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.TemplateInfo`

Compare two `TemplateInfo` objects.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.VariableInfo`

Compare two `VariableInfo` objects.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.EventKeyInfo`

Compare two `EventKeyInfo` objects.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.UserInfo`

Compare two `UserInfo` objects.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.BusinessCalendarInfo`

Compare two `BusinessCalendarInfo` objects.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.RoleInfo`

Compare two `RoleInfo` objects.

[compareTo\(Object\)](#) - Method in class `com.bea.wlpi.common.InstanceInfo`

Compare two `InstanceInfo` objects.

[compareTo\(Object\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Compare two RerouteInfo objects.

[compareTo\(Object\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Compare two TemplateDefinitionInfo objects.

[compareTo\(Object\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Compare two VersionInfo objects.

[compareTo\(Object\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Compare two TaskInfo objects.

[compareTo\(Object\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

Compare two OrganizationInfo objects.

[compareTo\(Object\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Compare two InfoObject objects.

[config](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[ConfigurationData](#) - class com.bea.wlpi.common.plugin.[ConfigurationData](#).

Provides information about a plugin's configuration.

[ConfigurationData\(String, VersionInfo, int, int, String\)](#) - Constructor for class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Create a new ConfigurationData object.

[ConfigurationInfo](#) - class com.bea.wlpi.common.plugin.[ConfigurationInfo](#).

Provides information about configuration information defined by a plugin.

[ConfigurationInfo\(String, int, String, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[ConfigurationInfo](#)

Create a new ConfigurationInfo object.

[connect\(Frame, String, String, String\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Connect to WebLogic Process Integrator server using the specified parameters.

[CONSTRUCTOR_INVOCATION_FAILED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Creation of new {0} failed; {1}."

[CONSTRUCTOR_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No matching constructor was found on {0}; {1}."

[CONTINUE](#) - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return code to permit processing of subsequent operations.

[create\(\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepositoryHome](#)

[create\(\)](#) - Method in interface com.bea.wlpi.server.admin.[AdminHome](#)

Create a remote object that implements the [Admin](#) interface.

[create\(\)](#) - Method in interface com.bea.wlpi.server.audit.[AuditHome](#)

Create a remote object that implements the [Audit](#) interface.

[create\(\)](#) - Method in interface com.bea.wlpi.server.catalog.[EJBCatalogHome](#)

Create a remote [EJBCatalog](#) instance.

[create\(\)](#) - Method in interface com.bea.wlpi.server.permission.[PermissionHome](#)

Create a remote object that implements the [Permission](#) interface.

[create\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginHome](#)

Create a remote plugin object reference.

[create\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerHome](#)

Create a new [PluginManager](#) EJB.

[create\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfgHome](#)

Create a new `PluginManagerCfg` EJB.

[create\(\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipalHome](#)

Create a remote `WLPIPrincipal` object.

[create\(\)](#) - Method in interface com.bea.wlpi.server.serverproperties.[ServerPropertiesHome](#)

Create a remote object that implements the [ServerProperties](#) interface.

[create\(\)](#) - Method in interface com.bea.wlpi.server.worklist.[WorklistHome](#)

Create a remote `Worklist` bean instance.

[createEntity\(int, String, String, String, String, String, RepositoryFolderInfo\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Create a new XML entity in the repository, within an existing folder if desired.

[createEntity\(int, String, String, String, String, String, RepositoryFolderInfo\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Create a new XML entity in the repository, within an existing folder if desired.

[createFolder\(String, String, String, String, RepositoryFolderInfo\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Creates a new folder in the repository.

[createFolder\(String, String, String, String, RepositoryFolderInfo\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Creates a new folder in the repository.

[createTemplate\(String, Collection\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Deprecated. Use the new [or {@link #createTemplate\(String,String,Collection,Object\) idempotent version}](#).

[createTemplate\(String, String, Collection\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a workflow template with the specified name.

[createTemplate\(String, String, Collection, Object\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a workflow template with the specified name.

[createTemplateDefinition\(String, String, String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a definition for a workflow template, using the name and content supplied.

[createTemplateDefinition\(String, String, String, Object\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Create a definition for a workflow template, using the name and content supplied.

[createUser\(String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Create a new user in the realm and add it to the `wlpiUsers` group.

[createWlpiUser\(String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Deprecated. *WLPI 1.2.1 release*

[CREDENTIAL_INFO_SET](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"{0}" is already set.

[CustomEventComboBoxRenderer](#) - class

com.bea.wlpi.client.common.[CustomEventComboBoxRenderer](#).

A `BasicComboBoxRenderer` that paints the selected item from the list in the `JComboBox` field.

[CustomEventComboBoxRenderer\(String\[\], String\[\], String\)](#) - Constructor for class com.bea.wlpi.client.common.[CustomEventComboBoxRenderer](#)

Create a `CustomEventComboBoxRenderer`.

D

[DATABASE_CONNECT_FAILED](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Unable to connect to database."

[DATE_CONFLICT_REPORT](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"The following template definitions cannot be activated because an inactive template definition with the same effective date already exists."

[DATE_FORMAT_ERROR](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Cannot parse the string as a Date value, the value \"{0}\" should follow the format \"MM/dd/yyyy hh:mm:ss AM|PM GMT[+|-]hh[:mm].\""

[DATE_INVALID](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"The date {0} is invalid."

[DAY_NAME_INVALID](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Invalid day name: {0}."

[debug](#) - Static variable in class [com.bea.wlpi.client.worklist.WorklistPane](#)

[debug](#) - Static variable in class [com.bea.wlpi.client.common.SortableTableModel](#)

[debug](#) - Static variable in class [com.bea.wlpi.client.common.Tasklist](#)

Set to true to enable diagnostic output.

[decode\(Object\)](#) - Static method in class [com.bea.wlpi.common.LongStrings](#)

Decode a previously encoded string.

[DEFAULT_DATE_FORMAT](#) - Static variable in class [com.bea.wlpi.common.VariableInfo](#)

[DEFAULT_DATE_FORMAT](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"MM/dd/yyyy hh:mm:ss AM|PM GMT[+|-]hh[:mm]"

[DEFAULT_FIELD](#) - Static variable in class [com.bea.wlpi.common.plugin.FieldInfo](#)

A built-in field type that supports expression validation but not evaluation.

[DEFINITION_CREATED](#) - Static variable in interface

[com.bea.wlpi.common.plugin.PluginConstants](#)

Notification event raised when a template definition is created.

[DEFINITION_DELETED](#) - Static variable in interface

[com.bea.wlpi.common.plugin.PluginConstants](#)

Notification event raised when a template definition is deleted.

[DEFINITION_UPDATED](#) - Static variable in interface

[com.bea.wlpi.common.plugin.PluginConstants](#)

Notification event raised when a template definition is updated.

[deleteBusinessCalendar\(String\)](#) - Method in interface [com.bea.wlpi.server.admin.Admin](#)

Delete a business calendar.

[deleteBusinessOperation\(String\)](#) - Method in interface [com.bea.wlpi.server.admin.Admin](#)

Delete a business operation.

[deleteEntity\(XMLEntityInfo\)](#) - Method in interface

[com.bea.eci.repository.ejb.XMLRepository](#)

Completely remove an entity from the repository.

[deleteEntity\(XMLEntityInfo\)](#) - Method in class

[com.bea.eci.repository.helper.RepositoryActions](#)

Completely remove an entity from the repository.

[deleteEventKey\(EventKeyInfo\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete an event key.

[deleteFolder\(RepositoryFolderInfo\)](#) - Method in interface `com.bea.eci.repository.ejb.XMLRepository`

Delete a folder from the repository.

[deleteFolder\(RepositoryFolderInfo\)](#) - Method in class `com.bea.eci.repository.helper.RepositoryActions`

Delete a folder from the repository.

[deleteInstance\(String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete a workflow instance.

[deleteOrganization\(String\)](#) - Method in interface `com.bea.wlpi.server.principal.WLPIPrincipal`

Delete an organization.

[deletePluginConfiguration\(String, VersionInfo\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManagerCfg`

Delete a plugin's configuration data.

[deleteReroute\(String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete a task reroute.

[deleteRole\(String, String\)](#) - Method in interface `com.bea.wlpi.server.principal.WLPIPrincipal`

Delete a role.

[deleteTemplate\(String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete a workflow template.

[deleteTemplateDefinition\(String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete a workflow template definition.

[deleteTemplateDefinitionInstances\(String, String, boolean, Date, Date\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete instances of a workflow template definition in an organization.

[deleteTemplateInstances\(String, String, boolean, Date, Date\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Delete instances of a workflow template in an organization.

[deleteUser\(String\)](#) - Method in interface `com.bea.wlpi.server.principal.WLPIPrincipal`

Deletes a user from the realm.

[description](#) - Variable in class `com.bea.wlpi.common.plugin.InfoObject`

The localized description of this InfoObject.

[destroy\(\)](#) - Method in class `com.bea.wlpi.client.worklist.WorklistApplet`

Applet de-initialization.

[destroy\(\)](#) - Method in class `com.bea.wlpi.client.worklist.WorklistPane`

Destroy the worklist.

[disconnect\(\)](#) - Method in class `com.bea.wlpi.client.common.WLPI`

Disconnect from WebLogic Process Integrator server.

[displayHTMLHelp\(\)](#) - Method in class `com.bea.wlpi.client.common.HelpListener`

[displayJavaHelp\(\)](#) - Method in class `com.bea.wlpi.client.common.HelpListener`

[displayURL\(String\)](#) - Static method in class com.bea.wlpi.client.common.[HelpListener](#)

[DONE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[DoneInfo](#) - class com.bea.wlpi.common.plugin.[DoneInfo](#).

Provides information about a done node type defined by a plugin.

[DoneInfo\(String, int, String, String, Icon, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[DoneInfo](#)

Create a new DoneInfo.

[DTD](#) - Static variable in class com.bea.eci.repository.helper.[Types](#)

Entity with "text/plain" content type that is a Document Type Definition.

E

[EFF_TEMPLATE_DEFN_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find an active, effective template definition to start."

[EJB_ADMIN](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

EJB references in EJB environments.

[EJB_AUDIT](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_AUDIT_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_BUS_CAL](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_BUS_OP_RO](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_BUS_OP_RW](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_CATALOG](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_DATA_SOURCE](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_ERROR_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_EVENT_KEY_RO](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_EVENT_KEY_RW](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_EVENT_QUEUE](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_EVENT_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_HOME_BINDING_INVALID](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Object bound to {0} does not implement home interface {1}."

[EJB_HOME_ENV_NOT_SET](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"EJB home environment not set."

[EJB_HOME_INTERFACE_NOT_BOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No object is bound to {0} in specified context; {1}."

[EJB_HOME_INTERFACE_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to load class object for home interface of type {0}; {1}."

[EJB_HOME_METHOD_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No home method was found on {0} matching {1}; {2}."

[EJB_IDGENERATOR](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_INITIAL_CONTEXT_EXCEPTION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to get initial context: environment may be invalid; {0}."

[EJB_INSTANCE](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_METHOD_INVOCATION_FAILED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"EJB {0} method invocation failed; {1}."

[EJB_NOTIFIER](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_NOTIFY_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_PERMISSION](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_PLUGIN_MANAGER](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_PLUGIN_MANAGER_CFG](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_PRINCIPAL](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_QUEUE_FACTORY](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_REMOTE_INTERFACE_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to load class object for remote interface of type {0}; {1}."

[EJB_REMOTE_METHOD_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No remote method was found on {0} matching {1}; {2}."

[EJB_REMOTE_OBJECT_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No remote object(s) were found."

[EJB_REPOSITORY](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_REROUTE](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_RETURN_CLASS_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to load class for method return value of type {0}; {1}."

[EJB_SERVER_PROPS](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EJB_SESSION_BEAN_NOT_CREATED](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"The home method did not return a session bean."

[EJB_TEMPLATE_DEFINITION_RO](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJB_TEMPLATE_DEFINITION_RW](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJB_TEMPLATE_RO](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJB_TEMPLATE_RW](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJB_TOPIC_FACTORY](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJB_UNEXPECTED_RETURN_TYPE](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"{0} object returned from method invocation not of expected type {1}."

[EJB_WORKFLOW_PROCESSOR](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJB_WORKLIST](#) - Static variable in interface [com.bea.wlpi.server.common.JNDITags](#)

[EJBCatalog](#) - interface [com.bea.wlpi.server.catalog.EJBCatalog](#).

Provides a catalog of EJBs installed on the application server.

[EJBCatalogHome](#) - interface [com.bea.wlpi.server.catalog.EJBCatalogHome](#).

Home interface for the [EJBCatalog](#) session EJB.

[EJBDescriptor](#) - class [com.bea.wlpi.common.EJBDescriptor](#).

Describes an Enterprise Java Bean.

[EJBDescriptor\(\)](#) - Constructor for class [com.bea.wlpi.common.EJBDescriptor](#)

Create a new EJB descriptor.

[EJBInvocationDescriptor](#) - class [com.bea.wlpi.common.EJBInvocationDescriptor](#).

Describes and implements the invocation of a method in an arbitrary Enterprise Java Bean.

[EJBInvocationDescriptor\(\)](#) - Constructor for class [com.bea.wlpi.common.EJBInvocationDescriptor](#)

Create a new EJB descriptor object.

[EJBInvocationDescriptor\(String, EJBDescriptor, MethodDescriptor, String\[\], MethodDescriptor, String\[\]\)](#) - Constructor for class

[com.bea.wlpi.common.EJBInvocationDescriptor](#)

Create a new EJB descriptor object.

[EJBInvocationDescriptor\(String, EJBDescriptor, MethodDescriptor, String\[\], MethodDescriptor, String\[\], boolean\)](#) - Constructor for class

[com.bea.wlpi.common.EJBInvocationDescriptor](#)

Create a new EJB descriptor object.

[encode\(String\)](#) - Static method in class [com.bea.wlpi.common.LongStrings](#)

Encode a string so that it can be serialized.

[endDocument\(\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[endElement\(String, String, String\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[endPrefixMapping\(String\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[ENTITY_DBL_CLICKED](#) - Static variable in class
com.bea.wlpi.client.repository.[RepositoryExplorer](#)

ActionEvent command for double-clicks on entities.

[EnumPermission](#) - class com.bea.wlpi.common.security.[EnumPermission](#).

Define various WLPI permissions.

[ENVIRONMENT_CONTEXT](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[equals\(Object\)](#) - Method in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[equals\(Object\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Determines if two RepositoryFolderInfo objects are equal.

[equals\(Object\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryFolderInfo](#)

Determines if two RepositoryFolderInfo objects are equal.

[equals\(Object\)](#) - Method in class com.bea.wlpi.client.common.[GUID](#)

Compare with another instance of GUID.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

Test two TemplateInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[VariableInfo](#)

Test two VariableInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Test two EventKeyInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Test two UserInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Test two BusinessCalendarInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Test two RoleInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Test two InstanceInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Test two RerouteInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Test two TemplateDefinitionInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Test two method descriptors for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Test two VersionInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Test two TaskInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

Test two OrganizationInfo objects for equality.

[equals\(Object\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Test two InfoObject objects for equality.

[ERROR_CUSTOM](#) - Static variable in class com.bea.wlpi.common.[WorkflowException](#)

A custom error raised either by an application calling WorkflowProcessor.invokeWorkflowErrorHandler, or by a workflow executing the 'Invoke Error handler' action.

[ERROR_HANDLER_CUSTOM_ERROR](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The application or workflow instance invoked an error handler."

[ERROR_HANDLER_EXCEPTION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"An exception occurred during error handler processing."

[ERROR_HANDLER_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the error handler {0}."

[ERROR_HANDLER_RETRIES_EXCEEDED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"An error handler exceeded the maximum number of retries allowed."

[ERROR_MESSAGE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[ERROR_SYSTEM](#) - Static variable in class com.bea.wlpi.common.[WorkflowException](#)

A fatal exception occurred while processing a user request.

[ERROR_SYSTEM](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"System error"

[ERROR_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[ERROR_UNKNOWN](#) - Static variable in class com.bea.wlpi.common.[WorkflowException](#)

Unknown error type - internal use only.

[ERROR_UNKNOWN](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unknown error"

[ERROR_WORKFLOW](#) - Static variable in class com.bea.wlpi.common.[WorkflowException](#)

A fatal, illegal condition such as inconsistent workflow state.

[ERROR_WORKFLOW](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Workflow error"

[EVAL_ASSERT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Assertion failed."

[EVAL_ENDCOMMENT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unmatched end-of-comment punctuation."

[EVAL_ERROR](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Evaluator error: {0}."

[EVAL_EVENT_DATA_INVALID](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The event data is null or in an invalid format."

EVAL_FIELD_EVAL_UNSUPPORTED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Field evaluation is not supported in this context."

EVAL_FIELD_QUAL_UNSUPP - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The plugin does not support field qualifiers: {0}."

EVAL_FIELD_REF_ILLEGAL - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Field reference {0} is not allowed in this context."

EVAL_FN_ARG_COUNT - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Wrong number of arguments to {0} function (requires {1})."

EVAL_FN_ARG_COUNT_R - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Wrong number of arguments to {0} function (requires between {1} and {2})."

EVAL_FN_EVAL_UNSUPPORTED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Function evaluation is not supported in this context."

EVAL_FN_UNRECOGNIZED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unrecognized function name: {0}."

EVAL_INCOMPLETE_ESCAPE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Incomplete escape sequence: \\.."

EVAL_INTERNAL_CONSISTENCY_ERROR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Internal consistency error in evaluator: {0}."

EVAL_INVALID_ESCAPE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Invalid escape sequence: \\{0}."

EVAL_INVALID_OPERAND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Invalid {0} operand: {1}."

EVAL_INVALID_OPERANDS - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Invalid {0} operands: {1}, {2}."

EVAL_MISMATCHED_OPERANDS - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Mismatched comparison operands: {0}, {1}."

EVAL_STARTCOMMENT - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unmatched start-of-comment punctuation."

EVAL_SYNTAX_ERROR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Syntax error: {0}."

EVAL_UNCLOSEDSTR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unclosed string: {0}."

EVAL_UNHANDLED_XOBJECT - Static variable in interface com.bea.wlpi.common.[Messages](#)

"XPath expression returned an unhandled XObject type: {0}."

EVAL_UNMATCHED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Illegal character: '{0}' at line {1}."

EVAL_VARIABLE_REF_ILLEGAL - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Variable reference {0} is not allowed in this context."

EVAL_XML_DOC_REQD - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The XPath function requires an XML document."

EVAL_XML_ELEM_NOT_FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The XML document does not contain the required element: {0}."

EVAL_XPATH_ERROR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Error evaluating XPath expression."

[evaluate\(EvaluationContext\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginField](#)

Evaluate the field.

[evaluate\(EvaluationContext, Object\[\]\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginFunction](#)

Evaluate the function.

[EvaluationContext](#) - class com.bea.wlpi.evaluator.[EvaluationContext](#).

Passes evaluation parameters to nodes in an expression parse tree.

[EvaluatorException](#) - exception com.bea.wlpi.evaluator.[EvaluatorException](#).

Exception class thrown by evaluator methods.

[EvaluatorException\(Exception\)](#) - Constructor for class com.bea.wlpi.evaluator.[EvaluatorException](#)

[EvaluatorException\(Exception, int\)](#) - Constructor for class com.bea.wlpi.evaluator.[EvaluatorException](#)

[EvaluatorException\(Exception, int, Object\[\]\)](#) - Constructor for class com.bea.wlpi.evaluator.[EvaluatorException](#)

[EvaluatorException\(int\)](#) - Constructor for class com.bea.wlpi.evaluator.[EvaluatorException](#)

[EvaluatorException\(int, Object\[\]\)](#) - Constructor for class com.bea.wlpi.evaluator.[EvaluatorException](#)

[EVENT_KEY](#) - Static variable in interface com.bea.wlpi.common.[Publishable](#)

[EVENT_KEY](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Event Key"

[EVENT_NOTIFICATION_ALL](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Bitmask value used to register for all notifications in a category.

[EVENT_NOTIFICATION_NONE](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Bitmask value used to register for no notifications in a category.

[EVENT_QUEUE](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EVENT_TOPIC](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[EventContext](#) - interface com.bea.wlpi.server.plugin.[EventContext](#).

Provides run-time context and services to plugin event and start nodes.

[EventHandler](#) - interface com.bea.wlpi.server.plugin.[EventHandler](#).

Interface through which plugins can handle or transform incoming event data.

[EventHandlerInfo](#) - class com.bea.wlpi.common.plugin.[EventHandlerInfo](#).

Provides information about an event handler defined by a plugin.

[EventHandlerInfo\(String, String, String, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[EventHandlerInfo](#)

Create a new `EventHandlerInfo`.

[EventInfo](#) - class `com.bea.wlpi.common.plugin.EventInfo`.

Provides information about an event node type defined by a plugin.

[EventInfo\(String, int, String, String, Icon, String\[\], FieldInfo\)](#) - Constructor for class `com.bea.wlpi.common.plugin.EventInfo`

Create a new `EventInfo` object.

[EventKeyInfo](#) - class `com.bea.wlpi.common.EventKeyInfo`.

Holds information about an XML event key.

[EventKeyInfo\(String, String\)](#) - Constructor for class `com.bea.wlpi.common.EventKeyInfo`

Deprecated. Use the [full constructor](#) instead.

[EventKeyInfo\(String, String, String, String, int\)](#) - Constructor for class `com.bea.wlpi.common.EventKeyInfo`

Create a new event key info object.

[eventType](#) - Variable in class `com.bea.wlpi.server.plugin.PluginNotification`

[ExceptionHandler](#) - class `com.bea.wlpi.client.common.ExceptionHandler`.

Reports exceptions in WebLogic Process Integrator clients.

[exceptionHandlerRenamed\(String, String\)](#) - Method in class `com.bea.wlpi.common.plugin.PluginPanel`

Cascade updates to the specified exception handler.

[execute\(ActionContext, ExecutionContext\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginAction`

Execute the plugin action.

[executeSubActionList\(int, ExecutionContext\)](#) - Method in interface `com.bea.wlpi.server.plugin.ActionContext`

Iterate through a list of sub-actions, executing each in turn.

[ExecutionContext](#) - interface `com.bea.wlpi.server.common.ExecutionContext`.

Provides run-time support to plugin-supplied nodes and actions.

[EXIT_CONTINUE](#) - Static variable in interface `com.bea.wlpi.server.common.ExecutionContext`

Return code to exit an error handler and permit processing of subsequent operations.

[EXIT_RETRY](#) - Static variable in interface `com.bea.wlpi.server.common.ExecutionContext`

Return code to exit an error handler and request retry of the failed operation.

[EXIT_ROLLBACK](#) - Static variable in interface `com.bea.wlpi.server.common.ExecutionContext`

Return code to exit an error handler and request rollback of user transaction.

[exit\(\)](#) - Method in class `com.bea.wlpi.client.worklist.WorklistFrame`

Save window location and exit worklist.

[exit\(\)](#) - Method in interface `com.bea.wlpi.server.plugin.Plugin`

Deinitialize the Plugin.

[exit\(\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManagerCfg`

Unload and deinitialize all plugins.

[exit\(\)](#) - Method in class `com.bea.wlpi.client.common.Tasklist`

Called when the task list is no longer required, in order that the task list may perform cleanup operations.

[exportPackage\(PublishPackage, Object\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Exports a package of workflow objects specified by `publishPackage`.

[ExtensionFileFilter](#) - class com.bea.wlpi.client.common.[ExtensionFileFilter](#).

FileChooser filter that discriminates by file extension.

[ExtensionFileFilter\(String\)](#) - Constructor for class com.bea.wlpi.client.common.[ExtensionFileFilter](#)

Create an ExtensionFileFilter with the specified description.

F

[FAILED_CONVERSION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Failed to assign variable {0}."

[FieldInfo](#) - class com.bea.wlpi.common.plugin.[FieldInfo](#).

Provides information about a data field type defined by a plugin.

[FieldInfo\(String, int, String, String, String\[\], boolean\)](#) - Constructor for class com.bea.wlpi.common.plugin.[FieldInfo](#)

Create a new FieldInfo.

[FILE_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

[findCategory\(int\)](#) - Method in class com.bea.wlpi.common.plugin.[CategoryInfo](#)

Find a category by systemID.

[fixup\(ExpressionParser\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginAction](#)

The framework calls this method after parsing the template definition.

[fixup\(ExpressionParser\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginEvent](#)

The framework calls this method after parsing the template definition.

[fixup\(ExpressionParser\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#)

The framework calls this method after parsing the template definition.

[FunctionInfo](#) - class com.bea.wlpi.common.plugin.[FunctionInfo](#).

Provides information about an evaluator function defined by a plugin.

[FunctionInfo\(String, int, String, String, String, String\[\], int, int\)](#) - Constructor for class com.bea.wlpi.common.plugin.[FunctionInfo](#)

Create a new FunctionInfo.

G

[getActionId\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[ActionContext](#)

Return the ID that uniquely identifies this action.

[getActionInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of categories and actions provided by this plugin.

[getActionInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a consolidated list of all actions and action categories.

[getActionStateTrans\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Return the action state transition caused by opening an action dialog.

[getActive\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return whether the definition is marked as active.

[getActiveOrganization\(\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Return the active organization.

[getAdmin\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to an Admin EJB object.

[getAlignmentMask\(boolean\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Determines the alignment schemes used by this attachment object.

[getAllBusinessCalendars\(boolean\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the business calendars defined in the workflow system.

[getAllEntities\(\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Returns a list of all the entities in the repository.

[getAllEntities\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Returns a list of all the entities in the repository.

[getAllFolders\(\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Returns a list of all the folders in the repository.

[getAllFolders\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Returns a list of all the folders in the repository.

[getAllOrganizations\(boolean\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List all defined organizations.

[getAllRolePermissions\(\)](#) - Method in interface com.bea.wlpi.server.permission.[Permission](#)

This method returns a list of all the roles with their associated permissions.

[getAllUserPermissions\(\)](#) - Method in interface com.bea.wlpi.server.permission.[Permission](#)

This method returns a list of all the users with their associated permissions.

[getAllUserPermissions\(boolean\)](#) - Method in interface com.bea.wlpi.server.permission.[Permission](#)

This method returns a list of all the users with their associated permissions.

[getAllUsers\(boolean\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List all defined users.

[getAppletInfo\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Returns information about this applet.

[getAssignee\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the task's assignee.

[getBuild\(\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Return the build number or name.

[getBusinessCalendarDefinition\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Return the definition of a business calendar.

[getBusinessOperations\(\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the currently defined business operations.

[getCalendarId\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Return the user's business calendar.

[getCalendarId\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Return the business calendar to use.

[getCalendarId\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

Return the ID of the business calendar to use.

[getCalendarType\(\)](#) - Method in class com.bea.wlpi.evaluator.[EvaluationContext](#)

Return the type calendar of calendar to use when performing date arithmetic.

[getCallableWorkflows\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Returns a List of workflows that can be called.

[getCatalog\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to an EJBCatalog EJB object.

[getChar\(String\)](#) - Static method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Get a localized character from the worklist's resource bundle.

[getChar\(String\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Get a localized character from the default resource bundle.

[getChar\(String, String\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Get a localized character from the named resource bundle.

[getChildDocs\(RepositoryFolderInfo\)](#) - Method in interface

com.bea.eci.repository.ejb.[XMLRepository](#)

Obtains a list of entities that are children of a given folder.

[getChildDocs\(RepositoryFolderInfo\)](#) - Method in class

com.bea.eci.repository.helper.[RepositoryActions](#)

Obtains a list of entities that are children of a given folder.

[getChildFolders\(RepositoryFolderInfo\)](#) - Method in interface

com.bea.eci.repository.ejb.[XMLRepository](#)

Obtains a list of the child folders of a given folder.

[getChildFolders\(RepositoryFolderInfo\)](#) - Method in class

com.bea.eci.repository.helper.[RepositoryActions](#)

Obtains a list of the child folders of a given folder.

[getClassDescriptor\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Get a server side class descriptor.

[getClassName\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return the fully qualified Java class name.

[getClassName\(int\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Return the fully qualified name of a plugin-supplied Java class or resource.

[getClientVersion\(\)](#) - Static method in class com.bea.wlpi.client.common.[Version](#)

Return the client version.

[getColumnClass\(int\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[getColumnCount\(\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[getColumnModel\(\)](#) - Method in class com.bea.wlpi.client.common.[Tasklist](#)

Return the underlying TableColumnModel object.

[getColumnName\(int\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[getComment\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the human-readable workflow instance comment.

[getComment\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the human-readable task comment.

[getCompleted\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the date/time at which the workflow was completed.

[getCompleted\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the date/time at which the task was completed.

[getConfigurationData\(\)](#) - Method in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[getConfigurationInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return the configuration information for this Plugin.

[getConstructor\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return meta-data for constructor to invoke.

[getConstructorDescriptors\(\)](#) - Method in class com.bea.wlpi.common.[ClassDescriptor](#)

Return information about the class's constructors.

[getConstructorParamsDescriptions\(\)](#) - Method in class
com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return constructor parameter descriptions.

[getContent\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get the entity's content as an array of bytes.

[getContentAsString\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get the entity's content as a string.

[getContentHandler\(\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

[getContents\(\)](#) - Method in interface com.bea.wlpi.common.[Publishable](#)

Return the publishable content.

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getContents\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

[getContentType\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Return The MIME content type (e.g., "text/xml").

[getContext\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Return the parent component in which this panel is displayed.

[getCreatedOn\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get when the entity was created.

[getCreatedOn\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryFolderInfo](#)

Get when the folder was created.

[getCurrentObject\(\)](#) - Method in class com.bea.wlpi.client.common.[Tasklist](#)

Return the currently selected task.

[getData\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Return the plugin-defined data.

[getDataSource\(String\)](#) - Static method in class com.bea.wlpi.server.common.[JNDIHelper](#)

This method returns a DataSource object from JNDI.

[getDataSource\(String, Context\)](#) - Static method in class

com.bea.wlpi.server.common.[JNDIHelper](#)

This method returns a DataSource object from JNDI.

[getDefaultOrgId\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Return the user's default organization.

[getDefaultVersion\(\)](#) - Static method in class com.bea.wlpi.common.[VersionInfo](#)

Return the information about the first release of WebLogic Process Integrator.

[getDependencies\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return the plugins on which this plugin depends.

[getDependencyInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return the list of the plugins on which this plugin depends.

[getDescription\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get the description of the repository object.

[getDescription\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryFolderInfo](#)

Get the description of the repository object.

[getDescription\(\)](#) - Method in class com.bea.wlpi.client.common.[ExtensionFileFilter](#)

The description of this filter.

[getDescription\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getDescription\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return a human-readable description of the method invocation.

[getDescription\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the human-readable bean description.

[getDescription\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getDescription\(\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Return the localized description.

[getDisplayName\(\)](#) - Method in class com.bea.wlpi.common.security.[EnumPermission](#)

Return the display name of the permission.

[getDoitIfDone\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return whether a user can execute the task once it is complete.

[getDoneInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of done node types provided by this plugin.

[getDoneInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined done node types.

[getDoneWithoutDoit\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return whether a user can manually mark the task as complete.

[getDTDHandler\(\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[getDue\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the date/time by which the task should be completed.

[getEffective\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return the date/time at which the task reroute becomes effective.

[getEffective\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return the effective date for the definition.

[getEJBDeploymentName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the EJB deployment name.

[getEJBDeploymentName\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Return the name under which the EJB was deployed.

[getEJBDescriptors\(\)](#) - Method in interface com.bea.wlpi.server.catalog.[EJBCatalog](#)

List the EJBs installed in the previously specified JNDI context.

[getEJBHomeMethod\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the home method to invoke.

[getEJBHomeMethodDescriptors\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

List the methods on the EJB's home interface.

[getEJBHomeName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the home interface name.

[getEJBHomeName\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Return the fully qualified name of the home interface.

[getEJBNames\(\)](#) - Method in interface com.bea.wlpi.server.catalog.[EJBCatalog](#)

List the JNDI names of EJBs installed in the previously specified JNDI context.

[getEJBPrimaryKeyName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the primary key class name.

[getEJBPrimaryKeyName\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Return the fully qualified name of the primary key class.

[getEJBRemoteMethod\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the remote method to invoke.

[getEJBRemoteMethodDescriptors\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

List the methods on the EJB's remote interface.

[getEJBRemoteName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the remote interface name.

[getEJBRemoteName\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Return the fully qualified name of the remote interface.

[getEmailAddress\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Return the user's email address.

[getEntity\(String\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Retrieves an entity from the repository, including its content.

[getEntity\(String\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Retrieves an entity from the repository, including its content.

[getEntity\(String, int\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Retrieves an entity from the repository, including its content of the specified type.

[getEntity\(String, int\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Retrieves an entity from the repository, including its content of the specified type.

[getEntityFromClipboard\(\)](#) - Static method in class

com.bea.wlpi.client.repository.[RepositoryExplorer](#)

[getEntityResolver\(\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[getEntityType\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getEntries\(\)](#) - Method in class com.bea.wlpi.common.[PublishPackage](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

[getEntryName\(\)](#) - Method in interface com.bea.wlpi.common.[Publishable](#)

Return the display name for the publishable object.

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getEntryName\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

[getEntryType\(\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[getEnvVars\(\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Provides the values of the environment variables used by the EJB for connections to

the repository.

[getErrorHandler\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the name of the current error handler.

[getErrorHandler\(\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[getEventData\(\)](#) - Method in class com.bea.wlpi.evaluator.[EvaluationContext](#)

Return the event datum for the current event.

[getEventData\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the data associated with the current event, if any.

[getEventDescriptor\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Return the content-type-specific event data format description.

[getEventDescriptor\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginTriggerPanel](#)

Return a plugin-defined string that characterizes the event data for which the node is watching.

[getEventHandlerInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return information about the plugin-provided event handler.

[getEventHandlerInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined event handlers.

[getEventInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of event types provided by this plugin.

[getEventInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined event node types.

[getEventKeyInfo\(\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the event keys defined within the workflow system.

[getEventType\(\)](#) - Method in class com.bea.wlpi.server.plugin.[PluginNotification](#)

Return the event type.

[getExceptionNumber\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the message number of the error being handled by the exception handler.

[getExceptionObject\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the exception object being handled by the exception handler.

[getExceptionSeverity\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the severity code of the error being handled by the exception handler.

[getExceptionText\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the message text of the error being handled by the exception handler.

[getExceptionType\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the type of exception being handled by the exception handler.

[getExceptionTypes\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return an array of fully qualified exception class names.

[getExecutionContext\(\)](#) - Method in class com.bea.wlpi.evaluator.[EvaluationContext](#)

Return the execution context within which to evaluate the expression.

[getExpiry\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return the date/time at which the task reroute ceases to be effective.

[getExpiry\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return the expiry date for the definition.

[getExpr\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Return a workflow expression that yields a unique key for a document.

[getFeature\(String\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[getFieldID\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Return The unique plugin-assigned ID for the [FieldInfo](#) object.

[getFieldInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[EventInfo](#)

Return the field type for this event type.

[getFieldInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[StartInfo](#)

Return the field type for this start type.

[getFieldInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of field types provided by this plugin.

[getFieldInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined field types.

[getFields\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginTriggerPanel](#)

Return the list of field names associated with the event (if known).

[getFolderInfo\(String\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

Retrieves the information about a repository folder identified by its name.

[getFolderInfo\(String\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)

Retrieves the information about a repository folder identified by its name.

[getFolderInfo\(String, String\)](#) - Method in interface
com.bea.eci.repository.ejb.[XMLRepository](#)

Retrieves the information about a repository folder of a given name and type.

[getFolderInfo\(String, String\)](#) - Method in class
com.bea.eci.repository.helper.[RepositoryActions](#)

Retrieves the information about a repository folder of a given name and type.

[getFolderType\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getFrameworkVersion\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return the Plugin Framework version.

[getFrom\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return the participant for whom the system will reassign tasks.

[getFunctionInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of evaluator functions provided by this plugin.

[getFunctionInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a consolidated list of all evaluator functions.

[getGroupId\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Return the WLS security group this role maps to.

[getGroupID\(\)](#) - Method in class com.bea.wlpi.common.security.[RolePermissionInfo](#)

Get the group ID.

[getGroupName\(\)](#) - Method in class com.bea.wlpi.common.security.[EnumPermission](#)

Return the WLS group name of the permission.

[getGroups\(\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Returns a list of WLS security groups available within the application.

[getHelpIDString\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Return the help topic ID for the plugin panel.

[getHelpSetInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return information about the plugin-provided JavaHelp help set.

[getHelpSetInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined help sets.

[getHelpType\(\)](#) - Method in class com.bea.wlpi.common.plugin.[HelpSetInfo](#)

Return the type of online help provided by this plugin:

[PluginConstants.HELP_JAVA_HELP](#) or [PluginConstants.HELP_HTML](#).

[getHomeParamDescriptions\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

get the EJB home parameter descriptions

[getHomeParamsDescriptions\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the parameter descriptions for the home method to invoke.

[getIcon\(\)](#) - Method in class com.bea.wlpi.common.plugin.[TemplateNodeInfo](#)

Return the plugin-provided icon for this template node.

[getIcon\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Return the plugin-provided icon for this action.

[getIcon\(String\)](#) - Static method in class com.bea.wlpi.client.common.[ImageFactory](#)

An icon constructed from the specified resource.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

Return the template ID.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return the system-assigned unique identifier.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the system-assigned unique identifier.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Return the business calendar ID.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the workflow instance ID.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return the task reroute ID.

[getId\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return the template definition ID.

[getID\(\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Return the unique plugin-supplied identifier for this InfoObject.

[getIdString\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return a human-readable workflow instance label.

[getInfoObject\(String, int, int, Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a localized plugin InfoObject by its ID.

[getInitialContext\(\)](#) - Static method in class com.bea.wlpi.server.common.[JNDIHelper](#)

This method can be used if the object is in WLS and does not need to specify a username

[getInitialContext\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return the host application's JNDI context.

[getInitialContext\(\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Return the design-time client application's JNDI context.

[getInitialContext\(String\)](#) - Static method in class `com.bea.wlpi.server.common.JNDIHelper`

This method allows access to different URLs, but with the default username.

[getInitialContext\(String, Object\)](#) - Static method in class `com.bea.wlpi.server.common.JNDIHelper`

This method is used on the server when a new username is needed for the JNDI context.

[getInitialContext\(String, String, Object\)](#) - Static method in class `com.bea.wlpi.server.common.JNDIHelper`

This method allows code to specify the username and URL to connect with.

[getInitiator\(\)](#) - Method in class `com.bea.wlpi.common.InstanceInfo`

Return the workflow initiator ID.

[getInstance\(\)](#) - Method in class `com.bea.wlpi.server.plugin.InstanceNotification`

Return information about the affected workflow instance.

[getInstanceId\(\)](#) - Method in class `com.bea.wlpi.common.TaskInfo`

Return the workflow instance ID.

[getInstanceID\(\)](#) - Method in interface `com.bea.wlpi.server.common.ExecutionContext`

Return the ID of the current workflow instance.

[getInstanceTasks\(String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

List the tasks in a workflow instance.

[getInstanceVariables\(String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

List the variables in a workflow instance.

[getLabel\(\)](#) - Method in interface `com.bea.wlpi.common.plugin.PluginActionData`

Return the formatted label of this plugin action, which will be displayed in the action list.

[getLastModifiedOn\(\)](#) - Method in class `com.bea.eci.repository.helper.XMLEntityInfo`

Get when the entity was last modified.

[getLastModifiedOn\(\)](#) - Method in class `com.bea.eci.repository.helper.RepositoryFolderInfo`

Get when the folder was last updated.

[getLayoutAlignmentX\(Container\)](#) - Method in class `com.bea.wlpi.client.common.AttachmentsLayout`

[getLayoutAlignmentY\(Container\)](#) - Method in class `com.bea.wlpi.client.common.AttachmentsLayout`

[getListCellRendererComponent\(JList, Object, int, boolean, boolean\)](#) - Method in class `com.bea.wlpi.client.common.CustomEventComboBoxRenderer`

[getLocale\(\)](#) - Static method in class `com.bea.wlpi.client.common.Resources`

Return the current locale.

[getLocale\(\)](#) - Method in class `com.bea.wlpi.common.plugin.PluginInfo`

Return the locale of the display strings contained in this PluginInfo object.

[getLocalizedMessage\(\)](#) - Method in class `com.bea.eci.repository.helper.RepositoryException`

Obtain the locale-specific message for this exception.

[getLocalizedMessage\(\)](#) - Method in class `com.bea.wlpi.common.WorkflowException`

As for `WorkflowException.getMessage()` but in the locale of the calling system.

[getLocalizedMessage\(int, Object\[\]\)](#) - Static method in class com.bea.wlpi.common.[WorkflowException](#)

Create a localized message with parameter values substituted.

[getLocalizedSeverityDescription\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return a string to indicate the severity of the exception.

[getMajorVersion\(\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Return the major version number.

[getMappedGroup\(String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

This method returns a single mapping value based on a Role ID and and Organization ID.

[getMappedRow\(int\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Return a mapped row number.

[getMasterPluginName\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginDependency](#)

Returns the master plugin name that this plugin depends on.

[getMaxArgCount\(\)](#) - Method in class com.bea.wlpi.common.plugin.[FunctionInfo](#)

Return the maximum number of arguments permitted.

[getMessage\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return the error message string of this object.

[getMessageNumber\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return the exception message number.

[getMethod\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return meta-data for method to invoke.

[getMethodDescriptors\(\)](#) - Method in class com.bea.wlpi.common.[ClassDescriptor](#)

Return information about the class's methods.

[getMethodName\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return the method name.

[getMethodParmsDescriptions\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Return method parameter descriptions.

[getMinArgCount\(\)](#) - Method in class com.bea.wlpi.common.plugin.[FunctionInfo](#)

Return the minimum number of arguments permitted.

[getMinorVersion\(\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Return the minor version number.

[getModel\(\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[getModel\(\)](#) - Method in class com.bea.wlpi.client.common.[Tasklist](#)

Return the underlying TableModel object.

[getModifiable\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return whether a user can modify the task settings at runtime.

[getModifiers\(\)](#) - Method in class com.bea.wlpi.common.[ClassDescriptor](#)

Returns an int representing the modifiers for this class.

[getName\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return the globally unique name of this plugin, in reverse-DNS format.

[getName\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get the description of the repository object.

[getName\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryFolderInfo](#)

Get the name of the repository object.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getName\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

Return the template name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[VariableInfo](#)

Return the variable name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Return the business calendar display name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the template definition name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getName\(\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Return the release name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the task name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Return the localized name for this information.

[getName\(ImageIcon\)](#) - Static method in class com.bea.wlpi.client.common.[ImageFactory](#)

Get the resource name used to construct the specified icon.

[getNestedException\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return the nested exception (null if none).

[getNode\(DefaultMutableTreeNode, RepositoryVersionedContainer, boolean\)](#) - Static method in class com.bea.eci.repository.helper.[ObjectFolderUtil](#)

Creates a DefaultMutableTreeNode representation of a repository folder and it's child folders.

[getNodeID\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[EventContext](#)

Return the ID of the event or start node.

[getNotes\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get the notes about the entity.

[getNotes\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryFolderInfo](#)

Get the notes associated with the repository folder.

[getNotes\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getNotes\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getObject\(Locale, String\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return a plugin-defined object.

[getObjectFolderByName\(RepositorySession, String\)](#) - Static method in class com.bea.eci.repository.helper.[ObjectFolderUtil](#)

Obtain the latest version of an ObjectFolder object by name.

[getObjectFolderTree\(DefaultMutableTreeNode\)](#) - Method in interface

com.bea.eci.repository.ejb.[XMLRepository](#)

Builds a tree structure of all the folders in the repository.

[getObjectFolderTree\(DefaultMutableTreeNode\)](#) - Method in class

com.bea.eci.repository.helper.[RepositoryActions](#)

Builds a tree structure of all the folders in the repository.

[getOrg\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the ID of the organization in which the current instance is running.

[getOrganizationInfo\(String\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Get further information about the specified organization.

[getOrganizationsForUser\(String, boolean\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List the organizations to which the specified user belongs.

[getOrgId\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Return the organization within which the role is defined.

[getOrgId\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

Return the organization ID.

[getOrgID\(\)](#) - Method in class com.bea.wlpi.common.security.[RolePermissionInfo](#)

Get the organization ID.

[getOrigin\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return the name of the workflow component from which this exception originated.

[getOriginalException\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return the original exception.

[getOriginalException\(Exception\)](#) - Static method in class

com.bea.wlpi.common.[WorkflowException](#)

Return the innermost nested exception.

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

[getOwnerName\(\)](#) - Method in interface com.bea.wlpi.common.[Publishable](#)

Return the name of the object's owner.

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getOwnerName\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

[getParameterInfo\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Returns information about the parameters that are understood by this applet.

[getParameterTypes\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return an array of fully qualified parameter class or interface names.

[getParent\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getParentFolders\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getParentId\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the parent workflow instance ID.

[getParentSystemID\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

Return the system ID this object's parent category.

[getPassword\(\)](#) - Method in class com.bea.wlpi.client.common.[Logon](#)

Return the password.

[getPermission\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to a Permission EJB object.

[getPlugin\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Return the name of the plugin that supplies the field type required to evaluate the expression.

[getPlugin\(String, Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return localized basic information about a plugin.

[getPluginCapabilitiesInfo\(Locale, CategoryInfo\[\]\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return a complete description of the plugins capabilities.

[getPluginConfiguration\(String, VersionInfo\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a plugin's configuration data.

[getPluginData\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

Get the object containing template properties for the all plugins.

[getPluginData\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Get the template definition properties for all plugins.

[getPluginData\(String\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

Get the object containing template properties for the specified plugin.

[getPluginData\(String\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Get the object containing template definition properties for the specified plugin.

[getPluginFrameworkVersion\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return the version of the plugin framework required.

[getPluginInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the basic plugin information.

[getPluginInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return basic descriptive information about the plugin.

[getPluginInstanceData\(String\)](#) - Method in interface
com.bea.wlpi.server.common.[ExecutionContext](#)

Get the workflow instance data provided by the named plugin.

[getPluginInstanceData\(String\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Retrieve the plugin-supplied data associated with the workflow instance.

[getPluginInstanceData\(String, String\)](#) - Method in interface
com.bea.wlpi.server.admin.[Admin](#)

Retrieve the plugin-supplied data associated with a workflow instance.

[getPluginManager\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to a PluginManager EJB object.

[getPluginManagerCfg\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to a PluginManagerCfg EJB object.

[getPluginName\(\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Return the name of the plugin providing this information.

[getPluginName\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Return the name of the plugin providing this information.

[getPluginObject\(String, int, int, int, Locale\)](#) - Method in interface
com.bea.wlpi.server.plugin.[PluginManager](#)

Return a localized instance of a plugin-defined class.

[getPluginObject\(String, int, Locale\)](#) - Method in interface
com.bea.wlpi.server.plugin.[PluginManager](#)

Return a plugin-supplied object.

[getPluginObject\(String, String, Locale\)](#) - Method in interface
com.bea.wlpi.server.plugin.[PluginManager](#)

Return a localized instance of a plugin-defined class.

[getPlugins\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of installed plugins.

[getPluginTemplateData\(String\)](#) - Method in interface
com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Retrieve the plugin defined data for the associated template.

[getPluginTemplateDefinitionData\(String\)](#) - Method in interface
com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Retrieve the plugin defined data for the associated template definition.

[getPreferredLocation\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Return the preferred location of the worklist's container.

[getPreferredSize\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Internal use only.

[getPrincipal\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to a WLPIPrincipal EJB object.

[getPrincipalId\(\)](#) - Method in class com.bea.wlpi.common.security.[PermissionInfo](#)

Return the principal ID.

[getPrintableData\(\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginData](#)

Return a printable description of the plugin data.

[getPriority\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the task priority.

[getProperties\(\)](#) - Method in interface

com.bea.wlpi.server.serverproperties.[ServerProperties](#)

Return the server's properties.

[getProperty\(String\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[getPrototype\(\)](#) - Method in class com.bea.wlpi.common.plugin.[FunctionInfo](#)

Return the prototype of this function.

[getPublishable\(\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[getPublished\(\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[getReassignment\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return whether a user can reassign the task at runtime.

[getReferencedPublishables\(Map\)](#) - Method in interface

com.bea.wlpi.common.plugin.[PluginData](#)

Query the plugin for references it holds to publishable objects.

[getReferences\(\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[getRelativeToComponent\(short\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Get the component relative to which this attachment object specifies its alignment.

[getRemoteParamDescriptions\(\)](#) - Method in class

com.bea.wlpi.common.[EJBInvocationDescriptor](#)

get the EJB remote parameter descriptions

[getRemoteParmsDescriptions\(\)](#) - Method in class

com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return the parameter descriptions for the remote method to invoke.

[getRepository\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to an XMLRepository EJB object.

[getRequestor\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the ID of the user who made the current API request.

[getReroutes\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the task reroutes defined within an organization.

[getResource\(String\)](#) - Static method in class com.bea.wlpi.client.common.[ImageFactory](#)

Get a URL for the specified resource.

[getReturnType\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return the method's return type.

[getReturnTypeName\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Get the remote method return type.

[getRoleId\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Return the role ID.

[getRoleInfo\(String, String\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Get further information about the specified role.

[getRoleMappingsInOrg\(String\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

This method returns a Map of all role to WLS security group mapping for a given organization.

[getRolePermissions\(String, String\)](#) - Method in interface

com.bea.wlpi.server.permission.[Permission](#)

This method allows the retrieval of an individual RolePermissionInfo object based on the rolename.

[getRoles\(\)](#) - Method in class com.bea.wlpi.common.security.[UserPermissionInfo](#)

Return a List of RoleInfos in which the user has a membership.

[getRolesForUser\(String, String, boolean\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List the roles to which the specified user belongs.

[getRolesInOrganization\(String, boolean\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List the roles defined for an organization.

[getRollbackOnly\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return whether the current user transaction has been marked for rollback only.

[getRoot\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Deprecated. Use [EventKeyInfo.getEventDescriptor\(\)](#) instead.

[getRowCount\(\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[getSecurityRealmClassName\(\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Return the class name of the installed WebLogic security realm.

[getSelectedObject\(\)](#) - Method in class com.bea.wlpi.client.repository.[RepositoryExplorer](#)

Gets the currently selected entity, if one is selected.

[getSelectedOrg\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Return the ID of the current organization.

[getSelectedTask\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Return the currently selected task.

[getSelectedWorkflow\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Return the workflow instance for the currently selected task.

[getServerProperties\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to a ServerProperties EJB object.

[getServerTemplateDefinitionVersion\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return the template definition version supported by the server.

[getServerVersion\(\)](#) - Method in interface

com.bea.wlpi.server.serverproperties.[ServerProperties](#)

Return the server version.

[getServerVersion\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return the server version.

[getSeverity\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return the exception severity code.

[getSeverityDescription\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Return a string to indicate the severity of the exception.

[getSortIndex\(\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Return the current sort column index.

[getSource\(\)](#) - Method in class com.bea.wlpi.server.plugin.[PluginNotification](#)

Return the source value object.

[getStartableWorkflows\(String\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

List the workflows that may be started manually.

[getStarted\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the date/time at which the workflow was instantiated.

[getStarted\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the date/time at which the task was started.

[getStartInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of start types provided by this plugin.

[getStartInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined start node types.

[getStartMode\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Return the startup mode of the plugin.

[getState\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Retrieve the current plugin manager state.

[getState\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the workflow instance state.

[getStatus\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the task's status.

[getStatus\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Return the status of the plugin.

[getString\(String\)](#) - Static method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Get a localized string from the worklist's resource bundle.

[getString\(String\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Get a localized string from the default resource bundle.

[getString\(String\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Get a localized display string.

[getString\(String, Object\[\]\)](#) - Static method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Get a localized message from the worklist's resource bundle, formatted with the supplied arguments.

[getString\(String, Object\[\]\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Get a localized message from the default resource bundle, formatted with the supplied arguments.

[getString\(String, Object\[\]\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Get a localized message, formatted with the supplied arguments.

[getString\(String, Object\[\], String\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Get a localized message from the named resource bundle, formatted with the supplied arguments.

[getString\(String, String\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Get a localized string from the named resource bundle.

[getSubActionLabels\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Return the localized labels to use for each subaction list.

[getSubnodes\(\)](#) - Method in class com.bea.wlpi.common.plugin.[CategoryInfo](#)

Return a list of the action nodes belonging to this category.

[getSystemID\(\)](#) - Method in class com.bea.wlpi.common.plugin.[CategoryInfo](#)

Return the unique system ID assigned by the Plugin Manager.

[getTable\(\)](#) - Method in class com.bea.wlpi.client.common.[Tasklist](#)

Return the underlying JTable object.

[getTask\(\)](#) - Method in class com.bea.wlpi.server.plugin.[TaskNotification](#)

Return information about the affected task.

[getTask\(String, String\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Get a specific task.

[getTaskCounts\(\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Return the number of assigned and overdue tasks on a user's worklist.

[getTaskId\(\)](#) - Method in class com.bea.wlpi.evaluator.[EvaluationContext](#)

Return the ID of the current task (if any).

[getTaskId\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the task ID.

[getTasks\(\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

List the tasks assigned to the user who created this remote worklist object.

[getTasks\(String, String, boolean\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the tasks assigned to a participant in an organization.

[getTasks\(String, String, boolean\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

List the tasks assigned to a participant.

[getTemplate\(\)](#) - Method in class com.bea.wlpi.server.plugin.[TemplateNotification](#)

Return information about the affected template.

[getTemplate\(String, boolean\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Return the specified workflow template.

[getTemplateDefinition\(\)](#) - Method in class com.bea.wlpi.server.plugin.[TemplateDefinitionNotification](#)

Return information about the affected template definition.

[getTemplateDefinition\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Return the specified workflow template definition.

[getTemplateDefinitionContent\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Get the content of a workflow template definition.

[getTemplateDefinitionId\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the workflow template definition ID.

[getTemplateDefinitionId\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the workflow template definition ID.

[getTemplateDefinitionID\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the ID of the current template definition.

[getTemplateDefinitionID\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[EventContext](#)

Return the ID of the workflow template definition.

[getTemplateDefinitionID\(\)](#) - Method in interface

com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Retrieve the ID of the owner template definition.

[getTemplateDefinitionInfo\(\)](#) - Method in class

com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the plugin-defined template definition properties.

[getTemplateDefinitionInfo\(Locale\)](#) - Method in interface

com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined template definition property types.

[getTemplateDefinitionInstances\(String, String, boolean, Date, Date, int, int\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the instances of a workflow template definition in an organization.

[getTemplateDefinitionPluginData\(String\)](#) - Method in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

Return the plugin template definition data for the specified plugin.

[getTemplateDefinitions\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the definitions for a workflow template.

[getTemplateDefinitionVersion\(\)](#) - Method in interface

com.bea.wlpi.server.serverproperties.[ServerProperties](#)

Return the template definition version supported by the server.

[getTemplateDefinitionVersion\(\)](#) - Static method in class

com.bea.wlpi.client.common.[Version](#)

Return the template definition version supported by the client.

[getTemplateId\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return the workflow template ID.

[getTemplateId\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return the template ID.

[getTemplateId\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the workflow template ID.

[getTemplateID\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the ID of the current template.

[getTemplateID\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[EventContext](#)

Return the ID of the workflow template.

[getTemplateID\(\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Retrieve the ID of the owner template.

[getTemplateInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the plugin-defined template properties, if any.

[getTemplateInfo\(Locale\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined template property types.

[getTemplateInstances\(String, String, boolean, Date, Date, int, int\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the instances of a workflow template in an organization.

[getTemplateName\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return the template name (if known).

[getTemplateOrgs\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the organizations that have access to a workflow template.

[getTemplateOwner\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Get the current owner of a workflow template.

[getTemplatePluginData\(String\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return the plugin template data for the specified plugin.

[getTemplates\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

List the workflow templates for a specified organization.

[getTimeZone\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Return the timezone in which the business calendar operates.

[getTo\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return the participant to whom the rerouted tasks will be assigned.

[getType\(\)](#) - Method in class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Get the description of the repository object.

[getType\(\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryFolderInfo](#)

Get the type of the repository object.

[getType\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[VariableInfo](#)

Return the variable type.

[getType\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

[getType\(\)](#) - Method in interface com.bea.wlpi.common.[Publishable](#)

Return the type of publishable object.

[getType\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return the reroute type.

[getType\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[getType\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

[getUnmarkDone\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return whether a user can manually mark the task as incomplete.

[getUrl\(\)](#) - Method in class com.bea.wlpi.client.common.[Logon](#)

Return the WebLogic Process Integrator server URL.

[getUrl\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return the WebLogic Process Integrator server URL.

[getURL\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return the plugin vendor's URL.

[getUserId\(\)](#) - Method in class com.bea.wlpi.evaluator.[EvaluationContext](#)

Return the ID of the user who made the current top-level API call.

[getUserId\(\)](#) - Method in class com.bea.wlpi.client.common.[Logon](#)

Return the user ID.

[getUserId\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return the WebLogic Process Integrator user ID.

[getUserId\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Return the user ID.

[getUserInfo\(String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Get further information about the specified user.

[getUserPermissions\(String\)](#) - Method in interface
com.bea.wlpi.server.permission.[Permission](#)

This method allows the retrieval of an individual UserPermissionInfo object based on the username.

[getUserPermissions\(String, boolean\)](#) - Method in interface
com.bea.wlpi.server.permission.[Permission](#)

This method allows the retrieval of an individual UserPermissionInfo object based on the username.

[getUsersInOrganization\(String, boolean\)](#) - Method in interface
com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List the users in the specified organization.

[getUsersInRole\(String, String, boolean\)](#) - Method in interface
com.bea.wlpi.server.principal.[WLPIPrincipal](#)

List the users in the specified role of the specified organization.

[getValue\(\)](#) - Method in class com.bea.wlpi.common.[VariableInfo](#)

Return the variable value.

[getValueAt\(int, int\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[getValueAt\(int, int\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Return a table cell value.

[getValueClass\(\)](#) - Method in class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)

Return the Java class representing the allowed value type.

[getVariableInfo\(String\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return information about a variable in the template definition.

[getVariableList\(\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Retrieve a list of all defined workflow variables and their types.

[getVariableList\(String\)](#) - Method in interface
com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Retrieve a list of defined workflow variables of a specified type.

[getVariableType\(\)](#) - Method in class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)

Return the type of this plugin-defined variable: [VariableTypeInfo.TYPE_OBJECT](#), [VariableTypeInfo.TYPE_SESSION](#), [VariableTypeInfo.TYPE_ENTITY](#).

[getVariableTypeInfo\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#)

Return the list of variable types provided by this plugin.

[getVariableTypeInfo\(Locale\)](#) - Method in interface

com.bea.wlpi.server.plugin.[PluginManager](#)

Return a list of plugin-defined variable types.

[getVariableValue\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginVariablePanel](#)

Return the value of the variable.

[getVariableValue\(String\)](#) - Method in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

Return the value of a workflow instance variable.

[getVendor\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginDependency](#)

The name of the master plugin vendor.

[getVendor\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return the plugin vendor's name.

[getVersion\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Return the version of this plugin.

[getVersion\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginDependency](#)

The master plugin version required.

[getVersion\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Return the plugin version.

[getVersion\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginInfo](#)

Return the plugin version.

[getVolume\(\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Return the volume number.

[getWorkflow\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the workflow name.

[getWorkflowId\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return the human-readable workflow instance label.

[getWorkflowInstanceData\(\)](#) - Method in class com.bea.wlpi.evaluator.[EvaluationContext](#)

Return the workflow instance state.

[getWorkflowInstanceData\(\)](#) - Method in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

Return the workflow instance state.

[getWorklist\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Return a reference to a Worklist EJB object.

[getXML\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Return the business calendar definition.

[getXML\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Return the plugin's XML configuration document.

[guid](#) - Variable in class com.bea.wlpi.client.common.[GUID](#)

[GUID](#) - class com.bea.wlpi.client.common.[GUID](#).

A utility class for generating global unique ID.

[GUID\(\)](#) - Constructor for class `com.bea.wlpi.client.common.GUID`

Generate a new instance of GUID.

H

[H](#) - Static variable in class `com.bea.wlpi.client.worklist.WorklistPane`

[hashCode\(\)](#) - Method in class `com.bea.wlpi.client.common.GUID`

Get the hash code of the instance of GUID.

[hasPermission\(EnumPermission\)](#) - Method in class `com.bea.wlpi.common.security.PermissionInfo`

Check whether the principal has a specific permission

[HCENTRE](#) - Static variable in class `com.bea.wlpi.client.common.Attachments`

Component is horizontally centered on its parent.

[HELP_HTML](#) - Static variable in interface `com.bea.wlpi.common.plugin.PluginConstants`

Signifies standard HTML help.

[HELP_JAVA_HELP](#) - Static variable in interface `com.bea.wlpi.common.plugin.PluginConstants`

Signifies a JavaHelp HelpSet.

[HelpListener](#) - class `com.bea.wlpi.client.common.HelpListener`.

Launches online help in an HTML browser or via JavaHelp.

[HelpListener\(URL, String, int\)](#) - Constructor for class `com.bea.wlpi.client.common.HelpListener`

[HelpSetInfo](#) - class `com.bea.wlpi.common.plugin.HelpSetInfo`.

Provides information about the context sensitive online help provided by a plugin.

[HelpSetInfo\(String, String, String, String\[\], int\)](#) - Constructor for class `com.bea.wlpi.common.plugin.HelpSetInfo`

Create a new HelpSetInfo.

[helpType](#) - Variable in class `com.bea.wlpi.client.common.HelpListener`

[home](#) - Variable in class `com.bea.wlpi.server.plugin.PluginConfiguration`

I

[ID](#) - Variable in class `com.bea.wlpi.common.plugin.InfoObject`

The plugin-assigned ID for this InfoObject (unique within this plugin and subclass).

[ID_EXCEPTION](#) - Static variable in class `com.bea.wlpi.common.plugin.ActionCategoryInfo`

Standard category system ID for exception handling actions.

[ID_INTEGRATION](#) - Static variable in class `com.bea.wlpi.common.plugin.ActionCategoryInfo`

Standard category system ID for integration actions.

[ID_MISCELLANEOUS](#) - Static variable in class `com.bea.wlpi.common.plugin.ActionCategoryInfo`

Standard category system ID for miscellaneous actions.

[ID_NEW](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

Initial category ID for plugin-defined categories.

[ID_TASK](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

Standard category system ID for task related actions.

[ID_WORKFLOW](#) - Static variable in class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

Standard category system ID for workflow related actions.

[IDGENERATOR](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

This is in the raw form in case this gets used outside of an EJB.

[ignorableWhitespace\(char\[\], int, int\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[ILLEGAL_CONVERSION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Illegal variable value assigning: try to assign variable "{0}" of type {1} with value type {2}."

[IMAGE_PATH](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[ImageFactory](#) - class com.bea.wlpi.client.common.[ImageFactory](#).

A static factory class that creates and caches images and icons.

[IMPORT_SUMMARY](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Finished import from file "{0}"

[IMPORTED_OBJECT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"{0} : {1}"

[IMPORTED_REPORT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The following components were imported:"

[importPackage\(byte\[\], Map, String, boolean, Object\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Import a package of publishable workflow objects specified by publishables.

[INACTIVE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[info](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[InfoObject](#) - class com.bea.wlpi.common.plugin.[InfoObject](#).

Abstract base class for all plugin metadata objects.

[InfoObject\(String, int, String, String, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[InfoObject](#)

Create a new InfoObject.

[INIT_QUEUE](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[init\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Applet initialization.

[init\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Initialize the worklist.

[init\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Initialize the Plugin.

[init\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Load and initialize all plugins.

[init\(String, String\)](#) - Method in interface `com.bea.wlpi.common.plugin.PluginField`

Set the name and event descriptor associated with this field.

[init\(String, String, String\)](#) - Static method in class `com.bea.wlpi.client.common.Tasklist`

Initialize installation-specific settings.

[INPUT_VARIABLE_NOT_SET](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Mandatory input variable {0} not set."

[inspectAlways\(\)](#) - Method in interface `com.bea.wlpi.server.catalog.EJBCatalog`

Return whether the JNDI names and EJBMetaData are regenerated on every call.

[INSTANCE_ABORTED](#) - Static variable in interface

`com.bea.wlpi.common.plugin.PluginConstants`

Notification event raised when a workflow instance is aborted.

[INSTANCE_COMPLETED](#) - Static variable in interface

`com.bea.wlpi.common.plugin.PluginConstants`

Notification event raised when a workflow instance is completed.

[INSTANCE_CREATED](#) - Static variable in interface

`com.bea.wlpi.common.plugin.PluginConstants`

Notification event raised when a workflow instance is created.

[INSTANCE_DELETED](#) - Static variable in interface

`com.bea.wlpi.common.plugin.PluginConstants`

Notification event raised when a workflow instance is deleted.

[INSTANCE_UPDATED](#) - Static variable in interface

`com.bea.wlpi.common.plugin.PluginConstants`

Notification event raised when a workflow instance is saved.

[instanceChanged\(InstanceNotification\)](#) - Method in interface

`com.bea.wlpi.server.plugin.Plugin`

Notifies a plugin of a change in a workflow instance.

[InstanceInfo](#) - class `com.bea.wlpi.common.InstanceInfo`.

Holds information about a workflow instance.

[InstanceInfo\(String, String, String, String, String, String, Timestamp, Timestamp, String, int, String\)](#) - Constructor for class `com.bea.wlpi.common.InstanceInfo`

Create a new InstanceInfo object.

[InstanceInfo\(String, String, String, String, String, String, Timestamp, Timestamp, String, int, String, Map\)](#) - Constructor for class `com.bea.wlpi.common.InstanceInfo`

Create a new InstanceInfo object.

[InstanceNotification](#) - class `com.bea.wlpi.server.plugin.InstanceNotification`.

Notification object that describes a change to a workflow instance.

[instantiate\(String, String, String, String, String, String, EventData, List, Map\)](#) - Method in interface `com.bea.wlpi.server.common.ExecutionContext`

Create a new workflow instance.

[instantiateWorkflow\(ExecutionContext, String, String, VariableInfo\[\], Map\)](#) - Method in interface `com.bea.wlpi.server.plugin.ActionContext`

Create a new workflow instance.

[instantiateWorkflow\(String, String\)](#) - Method in interface `com.bea.wlpi.server.worklist.Worklist`

Create a new workflow instance.

[instantiateWorkflow\(String, String, Object\)](#) - Method in interface

com.bea.wlpi.server.worklist.[Worklist](#)

Create a new workflow instance with a transaction id.

[instantiateWorkflow\(String, String, String, Map, Map\)](#) - Method in interface

com.bea.wlpi.server.worklist.[Worklist](#)

Create a new workflow instance, passing an XML document and initial variable values.

[instantiateWorkflow\(String, String, String, Map, Map, Object\)](#) - Method in interface

com.bea.wlpi.server.worklist.[Worklist](#)

Create a new workflow instance with a transaction id, passing an XML document and initial variable values.

[INTERVAL FROM DATE INVALID](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The interval 'from' date is invalid."

[INTERVAL TO DATE INVALID](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The interval 'to' date is invalid."

[INTERVAL UNIT INVALID](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Invalid interval unit: {0}."

[INVALID OBJECT TYPE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The list contains an object that is not a {0} object."/

[invalidateLayout\(Container\)](#) - Method in class

com.bea.wlpi.client.common.[AttachmentsLayout](#)

[INVOCATION OBJECT NOT FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The server could not find the invocation object for a business operation."

[invoke\(Object\[\], Object\[\]\)](#) - Method in class

com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Create an instance of the Java class; then, invoke a method on it.

[invoke\(Properties, Object\[\], Object\[\]\)](#) - Method in class

com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Create a remote object reference; then, invoke a method on it.

[invokeAddVariableDialog\(\)](#) - Method in interface

com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Invoke the Add Variable dialog to allow the user to define a new workflow variable.

[invokeAddVariableDialog\(String, String\[\]\)](#) - Method in interface

com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Invoke the 'Add Variable' dialog to allow the user to define a new workflow variable of a valid type specified by the caller.

[invokeConstructor\(Object\[\]\)](#) - Method in class

com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Create an instance of the Java class.

[invokeErrorHandler\(String, Exception\)](#) - Method in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

Invoke an error handler by name.

[invokeExpressionBuilder\(JTextComponent, boolean, FieldInfo, String\[\], String\)](#) - Method in

interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Invoke the expression builder dialog.

[invokeHomeMethod\(Properties, Object\[\]\)](#) - Method in class

com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Create a home object reference; then, invoke a method on it.

[invokeMethod\(Object, Object\[\]\)](#) - Method in class

com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Invoke the method specified by this descriptor on an object.

[invokeRemoteMethod\(Object, Object\[\]\)](#) - Method in class

com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Invoke a method on a remote object.

[invokeWorkflowErrorHandler\(String, String, String, String\)](#) - Method in interface

com.bea.wlpi.server.worklist.[Worklist](#)

Deprecated. Use [Worklist.invokeWorkflowExceptionHandler\(java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#) instead.

[invokeWorkflowExceptionHandler\(String, String, String, String\)](#) - Method in interface

com.bea.wlpi.server.worklist.[Worklist](#)

Invoke an exception handler for a workflow instance.

[invokeWorkflowExceptionHandler\(String, String, String, String, Object\)](#) - Method in

interface com.bea.wlpi.server.worklist.[Worklist](#)

Invoke an exception handler for a workflow instance with a transaction id.

[isAbstract\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is an abstract method.

[isAssignedToRole\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return whether the task is assigned to a role.

[isAuditEnabled\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return whether auditing is enabled for the current workflow.

[isCellEditable\(int, int\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[isConnected\(\)](#) - Method in class com.bea.wlpi.client.common.[WLPI](#)

Check whether this WLPI instance is connected to a server.

[isDeadlock\(\)](#) - Method in class com.bea.wlpi.common.[WorkflowException](#)

Whether this exception resulted from a database deadlock.

[isDeadlock\(Exception\)](#) - Static method in class com.bea.wlpi.common.[WorkflowException](#)

Whether an exception resulted from a database deadlock.

[isFinal\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a final method.

[isFullyFormed\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Check whether this descriptor has all required values set.

[isLoaded\(String, VersionInfo\)](#) - Method in interface

com.bea.wlpi.server.plugin.[PluginManager](#)

Indicates whether the specified plugin is loaded.

[isManageableSecurityRealm\(\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Check whether the realm in question is manageable.

[isNative\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a native method.

[isPrivate\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a private method or constructor.

[isProtected\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a protected method or constructor.

[isPublic\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a public method or constructor.

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[TemplateInfo](#)

Whether this template is published.

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

[isPublished\(\)](#) - Method in interface com.bea.wlpi.common.[Publishable](#)

Returns whether the object is published.

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Whether this business calendar is published.

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Whether this template definition is published.

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[isPublished\(\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

[isRoleInOrganization\(String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Check whether a role is defined within a particular organization.

[isSerializable\(\)](#) - Method in class com.bea.wlpi.common.[ClassDescriptor](#)

Returns a boolean indicating if this class can be serialized.

[isSessionEJB\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Return true if the contained bean is a Session EJB

[isSessionEJB\(\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Check whether this object describes a session EJB or an entity EJB.

[isSortAscending\(\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Check whether sort order is ascending or descending.

[isStatic\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a static method.

[isStrict\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a strict method.

[isSynchronized\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return whether this is a synchronized method.

[isUserInOrganization\(String, String\)](#) - Method in interface

com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Check whether a user belongs to particular organization.

[isValidActionState\(int\)](#) - Method in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Indicates if the specified action is valid in the specified action state.

[isVariableInExpression\(String, String\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Check whether an expression references the specified variable.

[isVerbose\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Check whether the invokeXXX() methods emit debugging messages.

[isWindowsPlatform\(\)](#) - Static method in class com.bea.wlpi.client.common.[HelpListener](#)

Try to determine whether this application is running under Windows or some other platform by examining the "os.name" property.

J

[JMS ACTION ASSIGNED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source task was assigned.

[JMS ACTION REMOVED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was deleted.

[JMS ACTION UPDATED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was updated.

[JMS EVENT CREATED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was created.

[JMS EVENT DELETED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was deleted.

[JMS EVENT LOADED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was loaded.

[JMS EVENT POSTED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was posted for deferred execution.

[JMS EVENT UNLOADED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was unloaded.

[JMS EVENT UPDATED](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS property value to indicate that the source was updated.

[JMS FACTORY](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[JMS PROP ACTION](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS string property to indicate the type of update.

[JMS PROP ASSIGNEE](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS string property to indicate the associated task assignee.

[JMS PROP EVENT](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS int property to indicate the type of update.

[JMS PROP ORG](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS string property to indicate the associated organization.

[JMS PROP ROLE](#) - Static variable in interface com.bea.wlpi.common.[WLPIConstants](#)

JMS boolean property to indicate whether the assignee is a role.

JMS_PROP_SENDER - Static variable in interface com.bea.wlpi.common.[WLPConstants](#)
JMS string property to indicate the sender of a notification.

JMS_PROP_SOURCE - Static variable in interface com.bea.wlpi.common.[WLPConstants](#)
JMS int property to indicate the source of a notification.

JMS_SOURCE_PLUGIN - Static variable in interface com.bea.wlpi.common.[WLPConstants](#)
JMS property value to indicate a plugin notification.

JMS_SOURCE_RUNNABLE - Static variable in interface com.bea.wlpi.common.[WLPConstants](#)
JMS property value to indicate a postponed runnable object.

JMS_SOURCE_WORKLIST - Static variable in interface com.bea.wlpi.common.[WLPConstants](#)
JMS property value to indicate a worklist notification.

JMSTest - class com.bea.wlpi.client.util.[JMSTest](#).

A JMS test utility that can publish or subscribe to a JMS topic.

JMSTestAddr - class com.bea.wlpi.client.util.[JMSTestAddr](#).

A JMS test utility that can publish or subscribe to a JMS topic.

JNDI_FACTORY - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

JNDI_FACTORY - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

This is the standard WLS JNDI factory tag

JNDIHelper - class com.bea.wlpi.server.common.[JNDIHelper](#).

This class defines static methods that can be used to get a Context object to the WLS JNDI tree.

JNDITags - interface com.bea.wlpi.server.common.[JNDITags](#).

This interface defines all of the tags that are used to look up values in JNDI.

JOIN_INSTANCE_NOT_FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified join instance: {0}."

K

KEY_ACTION - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Key value to retrieve the [PluginAction](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[DoneInfo](#)

Key value to retrieve the [PluginData](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[EventInfo](#)

Key value to retrieve the [PluginData](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[TemplateDefinitionPropertiesInfo](#)

Key value to retrieve the [PluginData](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[StartInfo](#)

Key value to retrieve the [PluginData](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[ActionInfo](#)

Key value to retrieve the [PluginActionData](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[TemplatePropertiesInfo](#)

Key value to retrieve the [PluginData](#) implementation class name.

KEY_DATA - Static variable in class com.bea.wlpi.common.plugin.[ConfigurationInfo](#)

Key value to retrieve the [PluginData](#) implementation class name.

[KEY_DONE](#) - Static variable in class `com.bea.wlpi.common.plugin.DoneInfo`

Key value to retrieve the [PluginDone](#) implementation class name.

[KEY_EVALUATOR](#) - Static variable in class `com.bea.wlpi.common.plugin.FunctionInfo`

Key value to retrieve the [PluginFunction](#) implementation class name.

[KEY_EVENT](#) - Static variable in class `com.bea.wlpi.common.plugin.EventInfo`

Key value to retrieve the [PluginEvent](#) implementation class name.

[KEY_FIELD](#) - Static variable in class `com.bea.wlpi.common.plugin.FieldInfo`

Key value to retrieve the [PluginField](#) implementation class name.

[KEY_HANDLER](#) - Static variable in class `com.bea.wlpi.common.plugin.EventHandlerInfo`

Key value to retrieve the [EventHandler](#) implementation class name.

[KEY_HELP_ID](#) - Static variable in class `com.bea.wlpi.common.plugin.HelpSetInfo`

Key value to retrieve the JavaHelp help key or HTML filename for the main index page or table of contents.

[KEY_HELP_SET](#) - Static variable in class `com.bea.wlpi.common.plugin.HelpSetInfo`

Key value to retrieve the .hs help set file name or HTML help base directory.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.DoneInfo`

Key value to retrieve the [PluginPanel](#) implementation class name.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.EventInfo`

Key value to retrieve the [PluginTriggerPanel](#) implementation class name.

[KEY_PANEL](#) - Static variable in class

`com.bea.wlpi.common.plugin.TemplateDefinitionPropertiesInfo`

Key value to retrieve the [PluginPanel](#) class name.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.StartInfo`

Key value to retrieve the [PluginTriggerPanel](#) implementation class name.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.ActionInfo`

Key value to retrieve the [PluginActionPanel](#) implementation class name.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.TemplatePropertiesInfo`

Key value to retrieve the [PluginPanel](#) implementation class name.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.VariableTypeInfo`

Key value to retrieve the [PluginVariablePanel](#) implementation class name.

[KEY_PANEL](#) - Static variable in class `com.bea.wlpi.common.plugin.ConfigurationInfo`

Key value to retrieve the [PluginPanel](#) implementation class name.

[KEY_RENDERER](#) - Static variable in class `com.bea.wlpi.common.plugin.VariableTypeInfo`

Key value to retrieve the [PluginVariableRenderer](#) implementation class name.

[KEY_START](#) - Static variable in class `com.bea.wlpi.common.plugin.StartInfo`

Key value to retrieve the [PluginStart](#) implementation class name.

L

[lastPath](#) - Static variable in class `com.bea.wlpi.client.repository.RepositoryExplorer`

The last node selected on the tree.

[layoutContainer\(Container\)](#) - Method in class `com.bea.wlpi.client.common.AttachmentsLayout`

[LEFT](#) - Static variable in class com.bea.wlpi.client.common.[Attachments](#)

Component is attached to the left side of its parent.

[load\(\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Instructs the panel to initialize its UI controls from the plugin-provided data.

[load\(PluginObject\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)

Load the Plugin.

[load\(Properties, String\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Retrieve the sort column index and sort order from a Properties object.

[load\(XMLReader\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginObject](#)

Notifies a plugin supplied object to prepare to load its data from an XML template definition.

[loadPlugin\(String, VersionInfo\)](#) - Method in interface

com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Load and initialize the specified plugin.

[loadProperties\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Load previously stored properties.

[lockTemplate\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Place a persistent write lock on a workflow template.

[logout\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Disconnect from WebLogic Process Integrator.

[Logon](#) - class com.bea.wlpi.client.common.[Logon](#).

A dialog to capture WebLogic Process Integrator user ID, password and server URL.

[LOGON MESSAGE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[Logon\(\)](#) - Constructor for class com.bea.wlpi.client.common.[Logon](#)

Create a logon dialog.

[Logon\(Frame, String, String, String\)](#) - Constructor for class

com.bea.wlpi.client.common.[Logon](#)

Create a logon dialog with fields primed to the supplied values.

[logon\(String, String, String\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Logon to WebLogic Process Integrator.

[LongStrings](#) - class com.bea.wlpi.common.[LongStrings](#).

Supports serialization for strings, including those which exceed 64Kbytes in length when UTF-8 encoded.

[LOOK AND FEEL](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[LookAndFeelMenu](#) - class com.bea.wlpi.client.common.[LookAndFeelMenu](#).

A JMenu that supports configuration of the pluggable Swing "Look And Feel."

[LookAndFeelMenu\(JComponent\)](#) - Constructor for class

com.bea.wlpi.client.common.[LookAndFeelMenu](#)

Create a new LookAndFeelMenu.

[lostOwnership\(Clipboard, Transferable\)](#) - Method in class

com.bea.wlpi.client.repository.[RepositoryExplorer](#)

This method is called when the this object is no longer the owner of the contents of the clipboard.

M

[main\(String\[\]\)](#) - Static method in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Static method to launch the worklist as a standalone application.

[main\(String\[\]\)](#) - Static method in class com.bea.wlpi.client.common.[Version](#)

Print client version information to System.out.

[main\(String\[\]\)](#) - Static method in class com.bea.wlpi.client.util.[JMSTest](#)

Main entry point when executed as a standalone application.

[main\(String\[\]\)](#) - Static method in class com.bea.wlpi.client.util.[JMSTestAddr](#)

Main entry point when executed as a standalone application.

[MappedTableModel](#) - class com.bea.wlpi.client.common.[MappedTableModel](#).

Abstract class to support mapping of table models.

[MappedTableModel\(\)](#) - Constructor for class com.bea.wlpi.client.common.[MappedTableModel](#)

[MAPPING_NOT_NULL](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot map a role to a blank group."

[mapRolesToGroups\(String, Map\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

This method maps a set of roles to groups.

[mapRoleToGroup\(String, String, String\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

This method maps an individual role to a WLS security group.

[masters](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[MAX_LIST_ITEMS_PER_CALL](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[maximumLayoutSize\(Container\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

[MESSAGE_BUNDLE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[MessageDialog](#) - class com.bea.wlpi.client.common.[MessageDialog](#).

A dialog to display a message in a scrollable text area.

[MessageDialog\(Component, String\)](#) - Constructor for class com.bea.wlpi.client.common.[MessageDialog](#)

Create a new MessageDialog.

[MessageDialog\(Component, String, int\)](#) - Constructor for class com.bea.wlpi.client.common.[MessageDialog](#)

Create a new MessageDialog.

[MessageDialog\(Component, String, int, int, int, String\)](#) - Constructor for class com.bea.wlpi.client.common.[MessageDialog](#)

Create a new MessageDialog.

[MessageDialog\(Component, String, int, String\)](#) - Constructor for class

`com.bea.wlpi.client.common.MessageDialog`

Create a new `MessageDialog`.

[Messages](#) - interface `com.bea.wlpi.common.Messages`.

Codes for language-independent server messaging.

[METHOD_INVOCATION_FAILED](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"{0} method invocation failed; {1}."

[METHOD_NOT_FOUND](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"No method was found on {0} matching {1}; {2}."

[METHOD_WRONG_PARAMETER_COUNT](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Wrong number of parameters for method: expected {1}, found {2}."

[MethodDescriptor](#) - class `com.bea.wlpi.common.MethodDescriptor`.

Describes a method on a server-side Java class.

[MethodDescriptor\(Constructor\)](#) - Constructor for class

`com.bea.wlpi.common.MethodDescriptor`

Create a new method descriptor to describe a constructor.

[MethodDescriptor\(Method\)](#) - Constructor for class `com.bea.wlpi.common.MethodDescriptor`

Create a new method descriptor to describe a method.

[MFL](#) - Static variable in class `com.bea.eci.repository.helper.Types`

Entity with "text/plain" content type that is a Message Format Language document.

[minimumLayoutSize\(Container\)](#) - Method in class

`com.bea.wlpi.client.common.AttachmentsLayout`

[MODE_AUTOMATIC](#) - Static variable in interface `com.bea.wlpi.common.plugin.PluginConstants`

The Plugin Manager automatically starts this plugin on system startup.

[MODE_DISABLED](#) - Static variable in interface `com.bea.wlpi.common.plugin.PluginConstants`

The plugin is disabled and cannot be started.

[MODE_MANUAL](#) - Static variable in interface `com.bea.wlpi.common.plugin.PluginConstants`

A user must manually start this plugin.

[model](#) - Variable in class `com.bea.wlpi.client.common.MappedTableModel`

[MONTH_NAME_INVALID](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Invalid month name: {0}."

N

[name](#) - Variable in class `com.bea.wlpi.server.plugin.PluginConfiguration`

[name](#) - Variable in class `com.bea.wlpi.common.plugin.InfoObject`

The localized name of this `InfoObject`.

[NAME_PROPERTY](#) - Static variable in interface

`com.bea.wlpi.server.serverproperties.ServerProperties`

Property name used to retrieve the product name: "product.name"

[NESTED_EXCEPTION](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Nested exception is"

[NEWLINE](#) - Static variable in class `com.bea.wlpi.client.worklist.WorklistPane`

NO_CONTENT - Static variable in class com.bea.eci.repository.helper.[Types](#)

No content associated with entity.

NO_EJB_FOR_HANDLE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot dereference Handle to EJB for BO parameter"

NO_MESSAGE - Static variable in interface

com.bea.eci.repository.helper.[RepositoryExceptionMessages](#)

NONACTIVATED_REPORT - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The following template definitions cannot be activated due to unresolved references:"

NOTIFICATION_DEFINITION - Static variable in interface

com.bea.wlpi.common.plugin.[PluginConstants](#)

Signifies a template definition notification.

NOTIFICATION_INSTANCE - Static variable in interface

com.bea.wlpi.common.plugin.[PluginConstants](#)

Signifies a workflow instance notification.

NOTIFICATION_TASK - Static variable in interface

com.bea.wlpi.common.plugin.[PluginConstants](#)

Signifies a task notification.

NOTIFICATION_TEMPLATE - Static variable in interface

com.bea.wlpi.common.plugin.[PluginConstants](#)

Signifies a template notification.

NOTIFICATION_THRESHOLD - Static variable in class

com.bea.wlpi.client.worklist.[WorklistPane](#)

NOTIFY_TOPIC - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

NOTIFY_TOPIC - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

O

OBJECT_FOLDER - Static variable in class com.bea.eci.repository.helper.[Types](#)

com.bea.eci.repository.ObjectFolder

OBJECT_PUBLISHED_MISMATCH_REPORT - Static variable in interface

com.bea.wlpi.common.[Messages](#)

"Cannot overwrite a published object with an unpublished one or vice-versa."

ObjectFolderUtil - class com.bea.eci.repository.helper.[ObjectFolderUtil](#).

A convenience class for repository ObjectFolders.

ObjectFolderUtil() - Constructor for class com.bea.eci.repository.helper.[ObjectFolderUtil](#)

okay() - Method in class com.bea.wlpi.client.common.[Logon](#)

Check whether user pressed the OK button.

onEvent(EventData) - Method in interface com.bea.wlpi.server.plugin.[EventHandler](#)

Handle an incoming event.

[onEvent\(EventData\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManager`

Process an event.

[onMessage\(Message\)](#) - Method in class `com.bea.wlpi.client.worklist.WorklistPane`

Process a "task assigned" notification received via a JMS topic.

[onMessage\(Message\)](#) - Method in class `com.bea.wlpi.client.common.Tasklist`

Respond to a JMS task notification message.

[onMessage\(Message\)](#) - Method in class `com.bea.wlpi.client.util.JMSTest`

Implements the `javax.jms.MessageListener` interface.

[onMessage\(Message\)](#) - Method in class `com.bea.wlpi.client.util.JMSTestAddr`

Implements the `javax.jms.MessageListener` interface.

[onPluginDeployed\(Plugin\)](#) - Method in interface

`com.bea.wlpi.server.plugin.PluginManagerCfg`

Notify the plugin manager that a plugin has been hot-deployed.

[ORG](#) - Static variable in interface `com.bea.wlpi.common.Publishable`

[ORG](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Organization"

[ORG_NAMES_UNIQUE](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"{0} is already in use as an Organization name."

[ORG_NOT_FOUND](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"The system could not find the specified organization: {0}."

[ORG_USER_ADD_FAILED](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"The system could not add user {0} to organization {1}."

[ORG_USER_NOT_FOUND](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"User {0} does not belong to organization {1}."

[ORG_USER_REMOVE_FAILED](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"The system could not remove user {0} from organization {1}."

[OrganizationInfo](#) - class `com.bea.wlpi.common.OrganizationInfo`.

Holds information about an organization.

[OrganizationInfo\(String\)](#) - Constructor for class `com.bea.wlpi.common.OrganizationInfo`

Create a new `OrganizationInfo` object.

[OrganizationInfo\(String, String\)](#) - Constructor for class

`com.bea.wlpi.common.OrganizationInfo`

Create a new `OrganizationInfo` object.

P

[P_Administer_User](#) - Static variable in class `com.bea.wlpi.common.security.EnumPermission`

The permission Administer User.

[P_Configure_Components](#) - Static variable in class

`com.bea.wlpi.common.security.EnumPermission`

The permission Configure Components.

[P_Configure_System](#) - Static variable in class `com.bea.wlpi.common.security.EnumPermission`

The permission Configure System.

P Create Template - Static variable in class com.bea.wlpi.common.security.[EnumPermission](#)

The permission Create Template.

P Delete Template - Static variable in class com.bea.wlpi.common.security.[EnumPermission](#)

The permission Delete Template.

P Execute Template - Static variable in class com.bea.wlpi.common.security.[EnumPermission](#)

The permission Execute Template.

P Monitor Instance - Static variable in class com.bea.wlpi.common.security.[EnumPermission](#)

The permission Monitor Instance.

PackageEntry - class com.bea.wlpi.common.[PackageEntry](#).

This class represents a single entry in a publish package JAR file.

PackageEntry(Publishable, Map, boolean) - Constructor for class com.bea.wlpi.common.[PackageEntry](#)

paint(Graphics) - Method in class com.bea.wlpi.client.common.[Tasklist](#)

Overridden to implement a workaround for a Swing bug - In JDK 1.2 JTable paints the unused area of a list in the wrong color.

PARAMETER CAST EXCEPTION - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Value for parameter {0} cannot be cast to required type {1}."

PARAMETER CLASS U NOT FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to load class (unwrapped if primitive) for parameter {0} of type {1}; {2}."

PARAMETER CLASS W NOT FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Unable to load class (wrapped if primitive) for parameter {0} of type {1}; {2}."

parentSystemID - Variable in class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

The system ID of the parent category.

parse(InputSource) - Method in class com.bea.wlpi.common.[XMLProxy](#)

parse(String) - Method in class com.bea.wlpi.common.[XMLProxy](#)

PASSWORD FAILURE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Wrong password.;"

PENDING - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

PERM GROUP MISSING - Static variable in interface com.bea.wlpi.common.[Messages](#)

"A WLPI permission group is missing."

Permission - interface com.bea.wlpi.server.permission.[Permission](#).

Provides permissions for interfaces within WLPI

PERMISSION HOME JNDI - Static variable in class com.bea.wlpi.client.common.[WLPI](#)

PermissionHome - interface com.bea.wlpi.server.permission.[PermissionHome](#).

Home interface for the [Permission](#) session EJB.

PermissionInfo - class com.bea.wlpi.common.security.[PermissionInfo](#).

Holds permission information about a principal.

PermissionInfo(String) - Constructor for class com.bea.wlpi.common.security.[PermissionInfo](#)

Create a new [PermissionInfo](#) object.

Permissions - Static variable in class com.bea.wlpi.common.security.[EnumPermission](#)

An array of all predefined WLPI permissions which is in the order of P_Configure_System, P_Configure_Components, P_Administer_User, P_Monitor_Instance, P_Create_Template, P_Delete_Template, P_Execute_Template.

ping() - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)

An empty method that allows clients to ensure that the EJB is active.

ping() - Method in interface com.bea.wlpi.server.admin.[Admin](#)

A "dummy" method for the client to ping at regular intervals.

ping() - Method in interface com.bea.wlpi.server.catalog.[EJBCatalog](#)

A "dummy" method for the client to ping.

ping() - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

A "dummy" method for the client to ping.

ping() - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

A "dummy" method for the client to ping.

Plugin - interface com.bea.wlpi.server.plugin.[Plugin](#).

Defines the functionality of a Weblogic Process Integrator Plugin.

PLUGIN_CONTEXT - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

PLUGIN_DEPENDENCY_CIRCULAR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system detected a circular dependency while attempting to load plugin {0}."

PLUGIN_DEPENDENCY_ERROR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not load plugin {0} because the plugin {1}, on which it depends, is missing or failed to initialize."

PLUGIN_ERROR - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Error in plugin {0}: {1}"

PLUGIN_FRAMEWORK_VERSION - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The plugin {0} requires plugin framework version {1} or later."

PLUGIN_INFO_NOT_FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The {0} plugin does not define a {1} object with an ID of {2}."

PLUGIN_INVALID_ACTION - Static variable in interface com.bea.wlpi.common.[Messages](#)

Plugin {0} provided an action or category {1} with an invalid parentSystemID: {2}."

PLUGIN_MANAGER_CFG_JNDI - Static variable in class com.bea.wlpi.client.common.[WLPI](#)

PLUGIN_MANAGER_JNDI - Static variable in class com.bea.wlpi.client.common.[WLPI](#)

PLUGIN_NOT_FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the plugin "{1}""."

PLUGIN_NOT_LOADED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"A required plugin {0} is not loaded."

PluginAction - interface com.bea.wlpi.server.plugin.[PluginAction](#).

The interface that a plugin must implement to define a new action.

PluginActionData - interface com.bea.wlpi.common.plugin.[PluginActionData](#).

Interface to allow plugins to load and store plugin action data in XML format.

PluginActionPanel - class com.bea.wlpi.common.plugin.[PluginActionPanel](#).

Defines the GUI component for a plugin-provided action.

[PluginActionPanel\(Locale, String\)](#) - Constructor for class `com.bea.wlpi.common.plugin.PluginActionPanel`

Create a new `PluginActionPanel`.

[PluginCapabilitiesInfo](#) - class `com.bea.wlpi.common.plugin.PluginCapabilitiesInfo`.

Provides information about a plugin's capabilities.

[PluginCapabilitiesInfo\(PluginInfo, ActionCategoryInfo\[\], EventInfo\[\], FieldInfo\[\], FunctionInfo\[\], StartInfo\[\], DoneInfo\[\], VariableTypeInfo\[\], TemplatePropertiesInfo, TemplateDefinitionPropertiesInfo, EventHandlerInfo\)](#) - Constructor for class `com.bea.wlpi.common.plugin.PluginCapabilitiesInfo`

Create a new `PluginCapabilitiesInfo`.

[PluginConfiguration](#) - class `com.bea.wlpi.server.plugin.PluginConfiguration`.

[PluginConfiguration\(PluginHome, String, VersionInfo, PluginInfo\)](#) - Constructor for class `com.bea.wlpi.server.plugin.PluginConfiguration`

Create a new `PluginConfiguration`.

[PluginConfiguration\(String, VersionInfo, int, String\)](#) - Constructor for class `com.bea.wlpi.server.plugin.PluginConfiguration`

Create a new `PluginConfiguration`.

[PluginConstants](#) - interface `com.bea.wlpi.common.plugin.PluginConstants`.

Defines various constants used by the plugin framework.

[PluginData](#) - interface `com.bea.wlpi.common.plugin.PluginData`.

Interface to allow plugins to load and store data in XML format.

[PluginDependency](#) - class `com.bea.wlpi.common.plugin.PluginDependency`.

Provides information about a plugin's dependencies.

[PluginDependency\(String, String, String, String, VersionInfo\)](#) - Constructor for class `com.bea.wlpi.common.plugin.PluginDependency`

Create a new `PluginDependency`.

[PluginDone](#) - interface `com.bea.wlpi.server.plugin.PluginDone`.

The interface that a plugin must implement to define a new done node type.

[PluginEvent](#) - interface `com.bea.wlpi.server.plugin.PluginEvent`.

The interface that a plugin must implement to define a new event node type.

[PluginException](#) - exception `com.bea.wlpi.common.plugin.PluginException`.

Exception class thrown by plugins and the Plugin Manager.

[PluginException\(Exception\)](#) - Constructor for class `com.bea.wlpi.common.plugin.PluginException`

Create a new `PluginException` to wrap another exception.

[PluginException\(int, Object\[\]\)](#) - Constructor for class `com.bea.wlpi.common.plugin.PluginException`

Create a new `PluginException`.

[PluginException\(String, String\)](#) - Constructor for class `com.bea.wlpi.common.plugin.PluginException`

Create a new `PluginException`.

[PluginField](#) - interface `com.bea.wlpi.common.plugin.PluginField`.

The interface that a plugin has to implement to define a new field.

[PluginFunction](#) - interface `com.bea.wlpi.common.plugin.PluginFunction`.

The interface that a plugin must implement to define a new evaluator function.

[PluginHome](#) - interface com.bea.wlpi.server.plugin.[PluginHome](#).

The home interface for all plugins.

[PluginInfo](#) - class com.bea.wlpi.common.plugin.[PluginInfo](#).

Provides basic information about a plugin prior to loading.

[PluginInfo\(String, String, String, Locale, String, String, VersionInfo, VersionInfo, PluginDependency\[\], ConfigurationInfo, HelpSetInfo\)](#) - Constructor for class com.bea.wlpi.common.plugin.[PluginInfo](#)

Create a new [PluginInfo](#).

[PluginManager](#) - interface com.bea.wlpi.server.plugin.[PluginManager](#).

Manages WebLogic Process Integrator plugins.

[PluginManagerCfg](#) - interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#).

Configures WebLogic Process Integrator plugins.

[PluginManagerCfgHome](#) - interface com.bea.wlpi.server.plugin.[PluginManagerCfgHome](#).

The home interface for the plugin configuration manager.

[PluginManagerHome](#) - interface com.bea.wlpi.server.plugin.[PluginManagerHome](#).

The home interface of the plugin manager.

[pluginName](#) - Variable in class com.bea.wlpi.common.plugin.[InfoObject](#)

The unique name of the plugin providing this [InfoObject](#).

[PluginNotification](#) - class com.bea.wlpi.server.plugin.[PluginNotification](#).

The abstract base class for all plugin notifications.

[PluginNotification\(Object, int\)](#) - Constructor for class com.bea.wlpi.server.plugin.[PluginNotification](#)

Create a new [PluginNotification](#).

[PluginObject](#) - interface com.bea.wlpi.common.plugin.[PluginObject](#).

Interface to allow plugins to load data in XML format.

[PluginPanel](#) - class com.bea.wlpi.common.plugin.[PluginPanel](#).

Defines a plugin-provided GUI component.

[PluginPanel\(Locale, String\)](#) - Constructor for class com.bea.wlpi.common.plugin.[PluginPanel](#)

Create a new [PluginPanel](#).

[PluginPanelContext](#) - interface com.bea.wlpi.common.plugin.[PluginPanelContext](#).

Interface to allow plugins access to design-time context and services.

[PluginStart](#) - interface com.bea.wlpi.server.plugin.[PluginStart](#).

The interface that a plugin must implement to define a new start node type.

[PluginTemplateNode](#) - interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#).

The base interface for plugin provided start and done nodes.

[PluginTriggerPanel](#) - class com.bea.wlpi.common.plugin.[PluginTriggerPanel](#).

Defines a plugin-provided start or event node GUI component.

[PluginTriggerPanel\(Locale, String\)](#) - Constructor for class com.bea.wlpi.common.plugin.[PluginTriggerPanel](#)

Create a new [PluginTriggerPanel](#).

[PluginVariablePanel](#) - class com.bea.wlpi.common.plugin.[PluginVariablePanel](#).

Defines a plugin-provided GUI component for editing the value of a plugin-defined variable type.

[PluginVariablePanel\(Locale, String\)](#) - Constructor for class com.bea.wlpi.common.plugin.[PluginVariablePanel](#)

Create a new `PluginVariablePanel`.

[`PluginVariableRenderer`](#) - interface `com.bea.wlpi.common.plugin.PluginVariableRenderer`.

Defines a plugin-provided GUI component for displaying the value of a plugin-defined variable type.

[`position\(Component, int, int, Insets\)`](#) - Method in class `com.bea.wlpi.client.common.Attachments`

Position the specified component using the previously specified attachments.

[`postStartWatch\(String, String, String, String, String\)`](#) - Method in interface `com.bea.wlpi.server.plugin.EventContext`

Register an event processor watch record for the specified message.

[`preferredLayoutSize\(Container\)`](#) - Method in class `com.bea.wlpi.client.common.AttachmentsLayout`

[`printStackTrace\(\)`](#) - Method in class `com.bea.wlpi.common.WorkflowException`

Print this exception and its backtrace to the standard error stream.

[`printStackTrace\(PrintStream\)`](#) - Method in class `com.bea.wlpi.common.WorkflowException`

Print this exception and its backtrace to the specified print stream.

[`printStackTrace\(PrintWriter\)`](#) - Method in class `com.bea.wlpi.common.WorkflowException`

Print this exception and its backtrace to the specified print writer.

[`processingInstruction\(String, String\)`](#) - Method in class `com.bea.wlpi.common.XMLProxy`

[`PROGRAM_CALL_FAILED`](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Error calling program: {0} with arguments {1}."

[`prop`](#) - Variable in class `com.bea.wlpi.client.worklist.WorklistPane`

[`PROPERTIES_FILENAME`](#) - Static variable in class `com.bea.wlpi.client.worklist.WorklistPane`

[`PROPERTY_PREFIX`](#) - Static variable in class `com.bea.wlpi.client.worklist.WorklistPane`

[`Publishable`](#) - interface `com.bea.wlpi.common.Publishable`.

Describes objects that can be included in a workflow application package.

[`PUBLISHED_MISMATCH_REPORT`](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"The following template definitions cannot be imported\ndue to published status mismatch with their templates:"

[`PublishPackage`](#) - class `com.bea.wlpi.common.PublishPackage`.

This class represents all the entries to be included in a publish package JAR file.

[`PublishPackage\(\)`](#) - Constructor for class `com.bea.wlpi.common.PublishPackage`

[`PublishPackage\(List\)`](#) - Constructor for class `com.bea.wlpi.common.PublishPackage`

[`pwd`](#) - Static variable in class `com.bea.wlpi.client.worklist.WorklistApplet`

Q

[QUEUE_FACTORY](#) - Static variable in interface `com.bea.wlpi.server.common`. [JNDITags](#)

R

[readPackage\(byte\[\], Object\)](#) - Method in interface `com.bea.wlpi.server.admin`. [Admin](#)
Reads a packaged workflow application, as created by the [Admin.exportPackage\(com.bea.wlpi.common.PublishPackage, java.lang.Object\)](#) method.

[REALM_NOT_INSTALLED](#) - Static variable in interface `com.bea.wlpi.common`. [Messages](#)
"No security realm has been installed."

[REALM_NOT_LISTABLE](#) - Static variable in interface `com.bea.wlpi.common`. [Messages](#)
"The installed security realm {0} is not listable."

[REALM_NOT_UPDATEABLE](#) - Static variable in interface `com.bea.wlpi.common`. [Messages](#)
"The security realm {0} is not updateable."

[REFERENCE_MISSING](#) - Static variable in interface `com.bea.wlpi.common`. [Messages](#)
"Fixup error: missing reference {0}."

[referencesExceptionHandler\(String\)](#) - Method in class `com.bea.wlpi.common.plugin`. [PluginPanel](#)

Check whether the panel references the specified exception handler.

[referencesVariable\(String\)](#) - Method in class `com.bea.wlpi.common.plugin`. [PluginPanel](#)
Check whether the panel references the specified variable.

[refresh\(\)](#) - Method in interface `com.bea.wlpi.server.plugin`. [PluginManager](#)

Deprecated. Call [PluginManagerCfg.refresh\(\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[refresh\(\)](#) - Method in interface `com.bea.wlpi.server.plugin`. [PluginManagerCfg](#)
Flush cached plugin capabilities information.

[refresh\(\)](#) - Method in class `com.bea.wlpi.client.common`. [Tasklist](#)
Rebuild the contents of this task list.

[refreshTree\(\)](#) - Method in class `com.bea.wlpi.client.repository`. [RepositoryExplorer](#)
Rerfreshes the tree with the latest contents from the database.

[removeActionListener\(ActionListener\)](#) - Method in class `com.bea.wlpi.client.repository`. [RepositoryExplorer](#)
Remove a listener that was registered to be notified of events generated by this object.

[removeActionListener\(ActionListener\)](#) - Method in class `com.bea.wlpi.client.worklist`. [WorklistPane](#)

Remove a previously registered ActionListener.

[removeChildFolder\(RepositoryFolderInfo, RepositoryFolderInfo\)](#) - Method in interface `com.bea.eci.repository.ejb`. [XMLRepository](#)

Remove a reference between a child folder and its parent folder.

[removeChildFolder\(RepositoryFolderInfo, RepositoryFolderInfo\)](#) - Method in class `com.bea.eci.repository.helper`. [RepositoryActions](#)

Remove a reference between a child folder and its parent folder.

[removeEntityFromFolder\(XMLEntityInfo, RepositoryFolderInfo\)](#) - Method in interface `com.bea.eci.repository.ejb.XMLRepository`

Remove an entity from a folder, but do not delete the entity.

[removeEntityFromFolder\(XMLEntityInfo, RepositoryFolderInfo\)](#) - Method in class `com.bea.eci.repository.helper.RepositoryActions`

Remove an entity from a folder, but do not delete the entity.

[removeEventWatch\(ExecutionContext\)](#) - Method in interface `com.bea.wlpi.server.plugin.EventContext`

De-register the event processor watch record for the specified message.

[removeInstanceListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManager`

Deprecated. Call

[PluginManagerCfg.removeInstanceListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[removeInstanceListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManagerCfg`

Unregister a specific plugin as an [InstanceNotification](#) listener.

[removeLayoutComponent\(Component\)](#) - Method in class `com.bea.wlpi.client.common.AttachmentsLayout`

[removeStartWatch\(\)](#) - Method in interface `com.bea.wlpi.server.plugin.EventContext`

De-register the event processor watch record for the specified message.

[removeTaskListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManager`

Deprecated. Call

[PluginManagerCfg.removeTaskListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[removeTaskListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManagerCfg`

Unregister a specific plugin as a [TaskNotification](#) listener.

[removeTemplateDefinitionListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManager`

Deprecated. Call

[PluginManagerCfg.removeTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[removeTemplateDefinitionListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManagerCfg`

Unregister a specific plugin as a [TemplateDefinitionNotification](#) listener.

[removeTemplateListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManager`

Deprecated. Call

[PluginManagerCfg.removeTemplateListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

[removeTemplateListener\(Plugin\)](#) - Method in interface `com.bea.wlpi.server.plugin.PluginManagerCfg`

Unregister a specific plugin as a [TemplateNotification](#) listener.

[removeUserFromOrganization\(String, String\)](#) - Method in interface `com.bea.wlpi.server.principal.WLPIPrincipal`

Remove a user from an organization.

[removeUserFromRole\(String, String, String\)](#) - Method in interface [com.bea.wlpi.server.principal.WLPIPrincipal](#)

Remove a user from a role.

[RENAME_NONEXISTANT_ENTITY](#) - Static variable in interface [com.bea.eci.repository.helper.RepositoryExceptionMessages](#)

[RENAME_NONEXISTANT_FOLDER](#) - Static variable in interface [com.bea.eci.repository.helper.RepositoryExceptionMessages](#)

[renameEntity\(String, String\)](#) - Method in interface [com.bea.eci.repository.ejb.XMLRepository](#)

Change the name of an entity.

[renameEntity\(String, String\)](#) - Method in class [com.bea.eci.repository.helper.RepositoryActions](#)

Change the name of an entity.

[renameFolder\(String, String\)](#) - Method in interface [com.bea.eci.repository.ejb.XMLRepository](#)

Change the name of an folder.

[renameFolder\(String, String\)](#) - Method in class [com.bea.eci.repository.helper.RepositoryActions](#)

Change the name of an folder.

[renameVariableInExpression\(String, String, String\)](#) - Method in interface [com.bea.wlpi.common.plugin.PluginPanelContext](#)

Update an expression's references to a renamed variable.

[REPORT_NAMES_UNIQUE](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Report names must be unique."

[reportException\(Exception\)](#) - Static method in class [com.bea.wlpi.client.common.ExceptionHandler](#)

Deprecated. Use the [two-args overload](#) to pass a parent component. This ensures that the message box is displayed correctly and avoids lost-focus problems.

[reportException\(Exception, Component\)](#) - Static method in class [com.bea.wlpi.client.common.ExceptionHandler](#)

Report the specified exception.

[RepositoryActions](#) - class [com.bea.eci.repository.helper.RepositoryActions](#).

This class provides methods for accessing and manipulating the XML Entity Repository.

[RepositoryActions\(\)](#) - Constructor for class [com.bea.eci.repository.helper.RepositoryActions](#)

Constructor for use from within an EJB.

[RepositoryActions\(String, String, String, String, String\)](#) - Constructor for class [com.bea.eci.repository.helper.RepositoryActions](#)

Constructor for use from a 2-tier client.

[RepositoryException](#) - exception [com.bea.eci.repository.helper.RepositoryException](#).

Thrown by the repository EJB, this class insulates the repository client from the repository implementation classes, specifically [com.bea.eci.repository.RepositoryException](#).

[RepositoryException\(int, Object\[\]\)](#) - Constructor for class

`com.bea.eci.repository.helper.RepositoryException`

Create a new `RepositoryException` containing a nested exception with a specific message.

[RepositoryException\(String\)](#) - Constructor for class

`com.bea.eci.repository.helper.RepositoryException`

Create a new `RepositoryException` containing a nested exception with a specific message.

[RepositoryExceptionMessages](#) - interface

`com.bea.eci.repository.helper.RepositoryExceptionMessages`.

Message numbers used by `com.bea.eci.repository.helper.RepositoryException`.

[RepositoryExplorer](#) - class `com.bea.wlpi.client.repository.RepositoryExplorer`.

A graphical component used to access the BEA repository.

[RepositoryExplorer\(String, String, String, String, String, JFrame\)](#) - Constructor for

class `com.bea.wlpi.client.repository.RepositoryExplorer`

Creates new `RepositoryExplorer` for displaying repository information in which the client is connected using a JDBC connection (as opposed to using a WLS data source).

[RepositoryExplorer\(XMLRepository, JDialog\)](#) - Constructor for class

`com.bea.wlpi.client.repository.RepositoryExplorer`

Creates new `RepositoryExplorer`.

[RepositoryExplorer\(XMLRepository, JFrame\)](#) - Constructor for class

`com.bea.wlpi.client.repository.RepositoryExplorer`

Creates new `RepositoryExplorer`.

[RepositoryFolderInfo](#) - class `com.bea.eci.repository.helper.RepositoryFolderInfo`.

A class used to represent a folder in the repository.

[RepositoryFolderInfo\(String, String, String, String\)](#) - Constructor for class

`com.bea.eci.repository.helper.RepositoryFolderInfo`

Creates a new representation of a repository folder.

[RepositoryFolderInfoHelper](#) - class `com.bea.wlpi.common.RepositoryFolderInfoHelper`.

This is an auxiliary class for `com.bea.eci.repository.helper.RepositoryFolderInfo` used solely for Import/Export purposes.

[RepositoryFolderInfoHelper\(String, String, String, String\)](#) - Constructor for class

`com.bea.wlpi.common.RepositoryFolderInfoHelper`

[RepositoryFolderInfoHelper\(String, String, String, String, RepositoryFolderInfoHelper\)](#) -

Constructor for class `com.bea.wlpi.common.RepositoryFolderInfoHelper`

[REQUEST_ABORTED_ERROR](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"The server was unable to complete your request."

[REQUEST_ABORTED_WARNING](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"The server was unable to complete your request."

[REROUTE_ALREADY_REROUTED](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Source user is already rerouted during the period specified."

[REROUTE_CIRCULAR](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Specified reroute would create a circular reference."

[REROUTE_DIFFERENT_USER](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Source and destination of reroute must be different."

[REROUTE_EFF_BEFORE_EXP](#) - Static variable in interface `com.bea.wlpi.common.Messages`

"Effective date must be before expiry date."

RerouteInfo - class com.bea.wlpi.common.[RerouteInfo](#).

Holds information about a task reroute.

RerouteInfo(String, String, String, int, Timestamp, Timestamp) - Constructor for class com.bea.wlpi.common.[RerouteInfo](#)

Create a new RerouteInfo object.

RESOURCE_BUNDLE - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Resources - class com.bea.wlpi.client.common.[Resources](#).

Manages localized resources used by WebLogic Process Integrator client classes.

Resources() - Constructor for class com.bea.wlpi.client.common.[Resources](#)

response(ActionContext, ExecutionContext, Object) - Method in interface com.bea.wlpi.server.plugin.[PluginAction](#)

Process an asynchronous response directed to this action.

response(String, String, String, Object) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Send the client's response to a previously received client request.

response(String, String, String, Object, Object) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Send the client's response to a previously received client request.

response(String, String, String, String) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Send the client's response to a previously received client request.

retrieveFolderlessTextDocuments(RepositorySession) - Static method in class com.bea.eci.repository.helper.[TextDocumentUtil](#)

Obtains a list of all entities that are not contained in a folder.

retrieveTopFolders(RepositorySession) - Static method in class com.bea.eci.repository.helper.[ObjectFolderUtil](#)

Obtains a list of ObjectFolder objects, each one not a child of another folder (ie - top level parent folders).

RIGHT - Static variable in class com.bea.wlpi.client.common.[Attachments](#)

Component is attached to the right side of its parent.

ROLE - Static variable in interface com.bea.wlpi.common.[Publishable](#)

ROLE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Role"

ROLE_CANNOT_DELETE_ACTION_REF - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The role {0} cannot be deleted, because it is referenced by one or more actions."

ROLE_EMPTY - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The role {0} is empty."

ROLE_NAMES_UNIQUE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Role names must be unique within an organization."

ROLE_NOT_FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified role: {0}."

ROLE NOT MAPPED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The Process Integrator role {0} is not mapped to a WebLogic Server security group."

ROLE TASKS ASSIGNED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot delete role {0}, because there are tasks assigned to the role. Please reassign all tasks first."

ROLE USER ADD FAILED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not add user {0} to role {1}."

ROLE USER EMAIL ID UNDEFINED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"User {0} in role {1} does not have an email address."

ROLE USER REMOVE FAILED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not remove user {0} from role {1}."

RoleInfo - class com.bea.wlpi.common.[RoleInfo](#).

Holds information about a workflow role.

RoleInfo(String, String) - Constructor for class com.bea.wlpi.common.[RoleInfo](#)

Create a new RoleInfo object.

RoleInfo(String, String, String) - Constructor for class com.bea.wlpi.common.[RoleInfo](#)

Create a new RoleInfo object.

RoleInfo(String, String, String, String) - Constructor for class

com.bea.wlpi.common.[RoleInfo](#)

Create a new RoleInfo object.

RolePermissionInfo - class com.bea.wlpi.common.security.[RolePermissionInfo](#).

Holds permission information about a WLPI role.

RolePermissionInfo(String, String) - Constructor for class

com.bea.wlpi.common.security.[RolePermissionInfo](#)

Create a new RolePermissionInfo object.

RolePermissionInfo(String, String, String) - Constructor for class

com.bea.wlpi.common.security.[RolePermissionInfo](#)

Create a new RolePermissionInfo object.

ROUTING TABLE FAILED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Routing table failed to identify suitable assignee."

run() - Method in class com.bea.wlpi.client.common.[ExceptionHandler](#)

Internal use only.

S

save(XMLWriter, int) - Method in interface com.bea.wlpi.common.plugin.[PluginData](#)

Instruct the plugin to store its data in an XML document.

saveElement(int, String, boolean) - Method in class com.bea.wlpi.common.[XMLWriter](#)

saveElement(int, String, String) - Method in class com.bea.wlpi.common.[XMLWriter](#)

saveElement(int, String, String[][], boolean) - Method in class

com.bea.wlpi.common.[XMLWriter](#)

saveElement(int, String, String[][], String) - Method in class

com.bea.wlpi.common.[XMLWriter](#)

[saveIndent\(int\)](#) - Static method in class com.bea.wlpi.common.[XMLWriter](#)

[SENDING_EMAIL_FAILED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Sending email failed."

[sendMessage\(String, Map, boolean\)](#) - Method in interface com.bea.wlpi.server.audit.[Audit](#)

Send an audit or error message with user-specified header properties.

[ServerProperties](#) - interface com.bea.wlpi.server.serverproperties.[ServerProperties](#).

Provides information about the WebLogic Process Integrator Server.

[ServerPropertiesHome](#) - interface

com.bea.wlpi.server.serverproperties.[ServerPropertiesHome](#).

Home interface for the [ServerProperties](#) session EJB.

[set\(String, EJBDescriptor, MethodDescriptor, String\[\], MethodDescriptor, String\[\]\)](#) -

Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set descriptor values.

[set\(String, EJBDescriptor, MethodDescriptor, String\[\], MethodDescriptor, String\[\],](#)

[boolean\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set descriptor values.

[set\(String, String, MethodDescriptor, String\[\], MethodDescriptor, String\[\]\)](#) - Method in

class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Update a class invocation descriptor.

[set\(String, String, MethodDescriptor, String\[\], MethodDescriptor, String\[\], boolean\)](#) -

Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Update a class invocation descriptor.

[setActiveOrganization\(String\)](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Set the active organization.

[setBorder\(int, int\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

Deprecated. *Set the border on the parent container instead.*

[setBottomAttachment\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the bottom of a component to the bottom of its container.

[setBottomAttachment\(int, Component\)](#) - Method in class

com.bea.wlpi.client.common.[Attachments](#)

Attach the bottom of one component to the top of another.

[setBottomAttachmentSameSide\(int, Component\)](#) - Method in class

com.bea.wlpi.client.common.[Attachments](#)

Attach the bottom of one component to the bottom of another.

[setCalendarId\(String\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Set the user's business calendar.

[setCalendarId\(String\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Set the business calendar to use.

[setCalendarId\(String\)](#) - Method in class com.bea.wlpi.common.[OrganizationInfo](#)

Set the business calendar to use.

[setCatalogRoot\(String\)](#) - Method in interface com.bea.wlpi.server.catalog.[EJBCatalog](#)

Set the JNDI context to use when looking up installed EJBs.

[setConfiguration\(PluginObject\)](#) - Method in interface `com.bea.wlpi.server.plugin.Plugin`

Set a plugin's configuration.

[setContent\(byte\[\]\)](#) - Method in class `com.bea.wlpi.common.XMLEntityInfoHelper`

[setContentHandler\(ContentHandler\)](#) - Method in class `com.bea.wlpi.common.XMLProxy`

[setContext\(Object\)](#) - Method in class `com.bea.wlpi.common.plugin.PluginVariablePanel`

Set the operating context for the panel.

[setContext\(PluginPanelContext, PluginData\)](#) - Method in class `com.bea.wlpi.common.plugin.PluginPanel`

Set the operating context for the panel.

[setDefaultOrg\(String\)](#) - Method in class `com.bea.wlpi.common.UserInfo`

Set the user's default organization.

[setDescription\(String\)](#) - Method in class `com.bea.wlpi.client.common.ExtensionFileFilter`

Set the description.

[setDescription\(String\)](#) - Method in class `com.bea.wlpi.common.EJBInvocationDescriptor`

Set the description.

[setDocumentLocator\(Locator\)](#) - Method in class `com.bea.wlpi.common.XMLProxy`

[setDTDHandler\(DTDHandler\)](#) - Method in class `com.bea.wlpi.common.XMLProxy`

[setEffective\(Timestamp\)](#) - Method in class `com.bea.wlpi.common.RerouteInfo`

Set the date/time at which the task reroute becomes effective.

[setEJBDeploymentName\(String\)](#) - Method in class `com.bea.wlpi.common.EJBInvocationDescriptor`

Set the EJB deployment name.

[setEJBDeploymentName\(String\)](#) - Method in class `com.bea.wlpi.common.EJBDescriptor`

Set the EJB deployment name.

[setEJBHomeMethod\(MethodDescriptor\)](#) - Method in class `com.bea.wlpi.common.EJBInvocationDescriptor`

Set the home method to invoke.

[setEJBHomeMethodDescriptors\(List\)](#) - Method in class `com.bea.wlpi.common.EJBDescriptor`

Set the methods on the EJB's home interface.

[setEJBHomeName\(String\)](#) - Method in class `com.bea.wlpi.common.EJBInvocationDescriptor`

Set the home interface name.

[setEJBHomeName\(String\)](#) - Method in class `com.bea.wlpi.common.EJBDescriptor`

Set the name of the home interface.

[setEJBPrimaryKeyName\(String\)](#) - Method in class `com.bea.wlpi.common.EJBInvocationDescriptor`

Set the primary key class name.

[setEJBPrimaryKeyName\(String\)](#) - Method in class `com.bea.wlpi.common.EJBDescriptor`

Set the name of the primary key class.

[setEJBRemoteMethod\(MethodDescriptor\)](#) - Method in class `com.bea.wlpi.common.EJBInvocationDescriptor`

Set the remote method to invoke.

[setEJBRemoteMethodDescriptors\(List\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Set the methods on the EJB's remote interface.

[setEJBRemoteName\(String\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set the remote interface name.

[setEJBRemoteName\(String\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Set the name of the remote interface.

[setEmailAddress\(String\)](#) - Method in class com.bea.wlpi.common.[UserInfo](#)

Set the user's email address.

[setEntityResolver\(EntityResolver\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[setErrorHandler\(ErrorHandler\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[setErrorHandler\(String\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Set the current error handler.

[setExpiry\(Timestamp\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Set the date/time at which the task reroute expires.

[setExpr\(String\)](#) - Method in class com.bea.wlpi.common.[EventKeyInfo](#)

Set the unique key expression.

[setFeature\(String, boolean\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[setFilters\(boolean, boolean, boolean\)](#) - Method in class com.bea.wlpi.client.common.[Tasklist](#)

Set the list filtering.

[setFrom\(String\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Set the participant from whom rerouted tasks will be reassigned.

[setGroupId\(String\)](#) - Method in class com.bea.wlpi.common.[RoleInfo](#)

Set the WLS group this role maps to.

[setGroupID\(String\)](#) - Method in class com.bea.wlpi.common.security.[RolePermissionInfo](#)

Set the group ID.

[setHeight\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Set the height of the component that uses this attachment.

[setHelpBroker\(HelpBroker\)](#) - Static method in class com.bea.wlpi.client.common.[HelpListener](#)

[setHomeParamDescriptions\(String\[\]\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set the EJB home parameter descriptions

[setHorizontalCentering\(\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Center a component horizontally within its container.

[setHorizontalCentering\(Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Horizontally center one component on another component.

[setHorizontalCentering\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Horizontally offset a component from its container's horizontal center.

[setHorizontalCentering\(int, Component\)](#) - Method in class

com.bea.wlpi.client.common.[Attachments](#)

Horizontally center one component relative to another component.

[setId\(String\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

Set the unique identifier.

[setId\(String\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set the unique identifier.

[setId\(String\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Set the business calendar unique ID.

[setInspectAlways\(boolean\)](#) - Method in interface com.bea.wlpi.server.catalog.[EJBCatalog](#)

Specify whether to regenerate the JNDI names and EJBMetaData on every call to [EJBCatalog.getEJBNames\(\)](#) and [EJBCatalog.getEJBDescriptors\(\)](#).

[setInstanceVariable\(String, String, String, Object\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Assign a value to a workflow instance variable.

[setIsSessionBean\(boolean\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[setLeftAttachment\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the left of a component to the left of its container.

[setLeftAttachment\(int, Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the left of one component to the right of another.

[setLeftAttachmentSameSide\(int, Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the left of one component to the left of another.

[setLocale\(Locale\)](#) - Static method in class com.bea.wlpi.client.common.[Resources](#)

Set the locale.

[setModel\(TableModel\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

Set the inner table model (i.e., the one actually providing the data).

[setModel\(TableModel\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Set the backing model.

[setName\(String\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Set the business calendar name.

[setOrganizationInfo\(OrganizationInfo\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Update the information about an organization.

[setOrgID\(String\)](#) - Method in class com.bea.wlpi.common.security.[RolePermissionInfo](#)

Set the organization ID.

[setParent\(RepositoryFolderInfoHelper\)](#) - Method in class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#)

[setPermission\(EnumPermission, boolean\)](#) - Method in class com.bea.wlpi.common.security.[PermissionInfo](#)

Set a specific permission of the principal to val.

[setPluginConfiguration\(String, VersionInfo, int, String\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)

Set a plugin's configuration data.

[setPluginInstanceData\(String, Object\)](#) - Method in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

Set the workflow instance data provided by the named plugin.

[setPluginInstanceData\(String, String, Object\)](#) - Method in interface

com.bea.wlpi.server.admin.[Admin](#)

Set the plugin-supplied data associated with a workflow instance.

[setPreferredLocation\(Point\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Inform the worklist of the preferred start-up location for the worklist's container.

[setProperty\(String, Object\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[setPublishable\(Publishable\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[setPublished\(\)](#) - Method in class com.bea.wlpi.common.[ClassInvocationDescriptor](#)

[setPublished\(\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

[setPublished\(boolean\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[setQualifier\(PluginField\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginField](#)

Set the field qualifier.

[setReferences\(Map\)](#) - Method in class com.bea.wlpi.common.[PackageEntry](#)

[setRemoteParamDescriptions\(String\[\]\)](#) - Method in class

com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set the EJB remote parameter descriptions

[setResourceBundle\(String\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Set the resource bundle to use when localizing strings and messages.

[setRightAttachment\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the right of a component to the right of its container.

[setRightAttachment\(int, Component\)](#) - Method in class

com.bea.wlpi.client.common.[Attachments](#)

Attach the right of one component to the left of another.

[setRightAttachmentSameSide\(int, Component\)](#) - Method in class

com.bea.wlpi.client.common.[Attachments](#)

Attach the right of one component to the right of another.

[setRoleInfo\(RoleInfo\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Update the information about a role.

[setRolePermissions\(List\)](#) - Method in interface com.bea.wlpi.server.permission.[Permission](#)

This method allows the batch update of role permissions in the system.

[setRollbackOnly\(\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Set the current user transaction for rollback only.

[setSessionEJB\(boolean\)](#) - Method in class com.bea.wlpi.common.[EJBDescriptor](#)

Specify whether this object describes a session EJB or an entity EJB.

[setSize\(Dimension\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Set the size of the component that uses this attachment.

[setSize\(int, int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Set the size of the component that uses this attachment.

[setSystemID\(int\)](#) - Method in class com.bea.wlpi.common.plugin.[CategoryInfo](#)

Set the category's system ID.

[setTable\(JTable\)](#) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

Associate this menu item with a table.

[setTemplateDefinitionContent\(String, String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Set the content of a workflow template definition.

[setTemplateNameOrgs\(String, String, Collection\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Deprecated. Use [Admin.setTemplateOrgs\(java.lang.String, java.util.Collection\)](#) and [Admin.updateTemplate\(com.bea.wlpi.common.TemplateInfo\)](#).

[setTemplateOrgs\(String, Collection\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Specify which organizations have access to a workflow template.

[setTimeZone\(String\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Set the business calendar timezone.

[setTo\(String\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Set the participant to whom rerouted tasks will be assigned.

[setTopAttachment\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the top of a component to the top of its container.

[setTopAttachment\(int, Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the top of one component to the bottom of another.

[setTopAttachmentSameSide\(int, Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Attach the top of one component to the top of another.

[setTrigger\(EventContext, String\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginStart](#)

Establish the event watch for this start node.

[setType\(int\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Set the task reroute type.

[setUserInfo\(UserInfo\)](#) - Method in interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)

Update the information about a user.

[setUserPermissions\(List\)](#) - Method in interface com.bea.wlpi.server.permission.[Permission](#)

This method allows the batch update of user permissions in the system.

[setValue\(Object\)](#) - Method in interface com.bea.wlpi.common.plugin.[PluginVariableRenderer](#)

Set the variable to display.

[setValueAt\(Object, int, int\)](#) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

[setValueAt\(Object, int, int\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Set a table cell value.

[setVariableValue\(String, Object\)](#) - Method in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Set the value of a workflow instance variable.

[setVerbose\(boolean\)](#) - Method in class com.bea.wlpi.common.[EJBInvocationDescriptor](#)

Set whether the invokeXXX() methods emit debugging messages.

[setVerticalCentering\(\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Center a component vertically within its container.

[setVerticalCentering\(Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Vertically center one component on another component.

[setVerticalCentering\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Vertically offset a component from its container's vertical center.

[setVerticalCentering\(int, Component\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Vertically center one component relative to another component.

[setWidth\(int\)](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Set the width of the component that uses this attachment.

[setXML\(String\)](#) - Method in class com.bea.wlpi.common.[BusinessCalendarInfo](#)

Set the business calendar definition.

[skippedEntity\(String\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[slaves](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[sort\(\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Re-sort the table using the previously specified column and order.

[sort\(int\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Sort the table on the specified column in ascending order.

[sort\(int, boolean\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Sort the table on the specified column in the specified order.

[SortableTableModel](#) - class com.bea.wlpi.client.common.[SortableTableModel](#).

A sorter for TableModels.

[SortableTableModel\(\)](#) - Constructor for class com.bea.wlpi.client.common.[SortableTableModel](#)

Create a new SortableTableModel with no backing model.

[SortableTableModel\(TableModel\)](#) - Constructor for class com.bea.wlpi.client.common.[SortableTableModel](#)

Create a new SortableTableModel with the specified backing model.

[source](#) - Variable in class com.bea.wlpi.server.plugin.[PluginNotification](#)

[start\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Applet start.

[start\(\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Start the worklist.

[start\(String, String, String\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Start the worklist.

[startDocument\(\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[startedWorkflowDone\(ActionContext, ExecutionContext, VariableInfo\[\]\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginAction](#)

Notify the plugin action that a sub-workflow it started is now complete.

[startElement\(String, String, String, Attributes\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[StartInfo](#) - class com.bea.wlpi.common.plugin.[StartInfo](#).

Provides information about a start node type defined by a plugin.

[StartInfo\(String, int, String, String, Icon, String\[\], FieldInfo\)](#) - Constructor for class com.bea.wlpi.common.plugin.[StartInfo](#)

Create a new StartInfo.

[startMode](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[startPrefixMapping\(String, String\)](#) - Method in class com.bea.wlpi.common.[XMLProxy](#)

[stateChanged\(ChangeEvent\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Called when the user changes the active tasklist by clicking the tab control.

[stateChanged\(Object\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManager](#)

Notify a server of a plugin manager cluster-wide state change.

[statisticsQuery\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Run a statistics query.

[status](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[STATUS_COMPLETE](#) - Static variable in class com.bea.wlpi.common.[TaskInfo](#)

Task is complete.

[STATUS_DEPLOYED](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin has been deployed but not initialized.

[STATUS_ERROR](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin threw an exception when called, or requires a later version of the framework.

[STATUS_INACTIVE](#) - Static variable in class com.bea.wlpi.common.[TaskInfo](#)

Task has not yet been started.

[STATUS_INITIALIZED](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin has been initialized but not loaded.

[STATUS_LOADED](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin has been loaded.

[STATUS_LOADING](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin is being loaded.

[STATUS_MISSING](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin has a registered configuration, but the plugin itself is not deployed.

[STATUS_OVERDUE](#) - Static variable in class com.bea.wlpi.common.[TaskInfo](#)

As for [TaskInfo.STATUS_PENDING](#), but due date is in the past.

[STATUS_PENDING](#) - Static variable in class com.bea.wlpi.common.[TaskInfo](#)

Task has been started but is not yet complete.

[STATUS_UNLOADING](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

The plugin is being unloaded.

STOP - Static variable in interface com.bea.wlpi.server.common.[ExecutionContext](#)

Return code to prevent processing of subsequent operations.

stop() - Method in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Applet stop.

stop() - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Stop the worklist.

store(Properties, String) - Method in class com.bea.wlpi.client.common.[WATableColumnModel](#)

Store this WATableColumnModel into a Properties object.

store(Properties, String) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Store the sort column index and sort order.

storeProperties() - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

Store current properties.

supportsQualifiers() - Method in class com.bea.wlpi.common.plugin.[FieldInfo](#)

Whether this field type supports dot-delimited qualified names.

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tableChanged(TableModelEvent) - Method in class com.bea.wlpi.client.common.[MappedTableModel](#)

tableChanged(TableModelEvent) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Respond to a "table changed" notification event.

tableChanged(TableModelEvent) - Method in class com.bea.wlpi.client.common.[ColumnSorterMenu](#)

TARGET ACTION NOT FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the target action {0}."

TARGET EVENT NOT FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the target event {0}."

TARGET TASK NOT FOUND - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the target task {0}."

TASK ASSIGN ALREADY DONE - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot assign this task, because it is already done."

TASK ASSIGNED - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Notification event raised when a task instance is assigned.

TASK CANNOT DELETE ACTION REF - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The task {0} cannot be deleted, because it is referenced by one or more actions."

TASK CANNOT MARK - Static variable in interface com.bea.wlpi.common.[Messages](#)

"This task's properties do not allow it to be marked done."

TASK CANNOT MODIFY - Static variable in interface com.bea.wlpi.common.[Messages](#)

"This task's properties do not allow it to be modified."

TASK CANNOT REASSIGN - Static variable in interface com.bea.wlpi.common.[Messages](#)

"This task's properties do not allow it to be reassigned."

TASK_CANNOT_UNMARK - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"This task's properties do not allow it to be unmarked done."

TASK_COMPLETED - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task instance is completed.

TASK_EXECUTE_ALREADY_DONE - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"Cannot execute this task, because it is already done."

TASK_EXECUTE_COMPLETE - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"Cannot execute this task, because the workflow is complete."

TASK_EXECUTE_INACTIVE - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"Cannot execute this task, because it is inactive."

TASK_EXECUTE_NOT_ASSIGNED - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"Cannot execute this task, because it is not assigned to you."

TASK_EXECUTED - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task instance is executed.

TASK_INSTANCE_NOT_FOUND - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"The system could not find the specified task instance: {0}."

TASK_NAMES_UNIQUE - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"Task names must be unique within a workflow."

TASK_NOTIFICATION - Static variable in class `com.bea.wlpi.client.worklist`. [WorklistPane](#)

TASK_OVERDUE - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task instance is overdue.

TASK_STARTED - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task instance is started.

TASK_TAKE_ALREADY_DONE - Static variable in interface `com.bea.wlpi.common`. [Messages](#)

"Cannot take this task, because it is already done."

TASK_UNASSIGNED - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task instance is unassigned.

TASK_UNMARKED_DONE - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task instance is marked incomplete.

TASK_UPDATED - Static variable in interface `com.bea.wlpi.common.plugin`. [PluginConstants](#)

Notification event raised when a task's properties are updated.

taskAssign(String, String, String, boolean, boolean) - Method in interface `com.bea.wlpi.server.common`. [ExecutionContext](#)

Assign a workflow task to a participant.

taskAssign(String, String, String, String, boolean, boolean) - Method in interface `com.bea.wlpi.server.admin`. [Admin](#)

Assign a task to a participant.

taskAssign(String, String, String, String, boolean, boolean) - Method in interface `com.bea.wlpi.server.worklist`. [Worklist](#)

Assign a task to a participant.

taskAssign(String, String, String, String, boolean, boolean, Object) - Method in interface `com.bea.wlpi.server.worklist`. [Worklist](#)

Assign a task to a participant with a transaction id.

[taskChanged\(TaskNotification\)](#) - Method in interface `com.bea.wlpi.server.plugin.Plugin`

Notifies a plugin of a change in a task instance.

[taskDoit\(String, String\)](#) - Method in interface `com.bea.wlpi.server.common.ExecutionContext`

Execute a workflow task.

[taskExecute\(String, String\)](#) - Method in interface `com.bea.wlpi.server.worklist.Worklist`

Execute a task instance.

[taskExecute\(String, String, String\)](#) - Method in interface `com.bea.wlpi.server.worklist.Worklist`

Execute a task instance.

[TaskInfo](#) - class `com.bea.wlpi.common.TaskInfo`.

Holds information about a workflow task.

[TaskInfo\(String, String, String, String, String, String, String, boolean, String, String, int, Timestamp, Timestamp, Timestamp, String, boolean, boolean, boolean, boolean, boolean\)](#) - Constructor for class `com.bea.wlpi.common.TaskInfo`

Create a new TaskInfo object.

[Tasklist](#) - class `com.bea.wlpi.client.common.Tasklist`.

Displays a list of tasks for a user, role or workflow instance.

[Tasklist\(WLPI, TableColumnModel, String\)](#) - Constructor for class `com.bea.wlpi.client.common.Tasklist`

Create a Tasklist for the specified workflow instance.

[Tasklist\(WLPI, TableColumnModel, String, boolean, boolean, boolean, boolean\)](#) - Constructor for class `com.bea.wlpi.client.common.Tasklist`

Create a Tasklist for the specified user or role.

[taskMarkDone\(String, String\)](#) - Method in interface `com.bea.wlpi.server.common.ExecutionContext`

Mark a workflow task as complete.

[taskMarkDone\(String, String, String\)](#) - Method in interface `com.bea.wlpi.server.admin.Admin`

Mark a task as complete.

[taskMarkDone\(String, String, String\)](#) - Method in interface `com.bea.wlpi.server.worklist.Worklist`

Mark a task instance as complete.

[taskMarkDone\(String, String, String, Object\)](#) - Method in interface `com.bea.wlpi.server.worklist.Worklist`

Mark a task instance as complete with a transaction id.

[TaskNotification](#) - class `com.bea.wlpi.server.plugin.TaskNotification`.

Notification object that describes a change to a task instance.

[TaskPropertiesDialog](#) - class `com.bea.wlpi.client.common.TaskPropertiesDialog`.

A dialog to enable a user to update the properties and permission flags for a task.

[TaskPropertiesDialog\(Frame, WLPI, TaskInfo\)](#) - Constructor for class `com.bea.wlpi.client.common.TaskPropertiesDialog`

Create a new TaskPropertiesDialog for the specified task.

[TaskReassignDialog](#) - class `com.bea.wlpi.client.common.TaskReassignDialog`.

A dialog to enable a user to reassign a task to another user or role.

[TaskReassignDialog\(Frame, WLPI, TaskInfo\)](#) - Constructor for class

[com.bea.wlpi.client.common.TaskReassignDialog](#)

Create a new TaskReassignDialog for the specified task.

[taskSetProperties\(String, String, int, boolean, boolean, boolean, boolean, boolean\)](#) -

Method in interface [com.bea.wlpi.server.common.ExecutionContext](#)

Set the properties for a workflow task.

[taskSetProperties\(String, String, String, int, boolean, boolean, boolean, boolean, boolean\)](#) - Method in interface [com.bea.wlpi.server.admin.Admin](#)

Set the properties for a task instance.

[taskSetProperties\(String, String, String, int, boolean, boolean, boolean, boolean, boolean\)](#) - Method in interface [com.bea.wlpi.server.worklist.Worklist](#)

Set the properties for a task instance.

[taskUnassign\(String, String\)](#) - Method in interface [com.bea.wlpi.server.common.ExecutionContext](#)

Unassign a workflow task.

[taskUnassign\(String, String, String\)](#) - Method in interface [com.bea.wlpi.server.admin.Admin](#)

Unassign a task.

[taskUnassign\(String, String, String\)](#) - Method in interface [com.bea.wlpi.server.worklist.Worklist](#)

Unassign a task.

[taskUnmarkDone\(String, String\)](#) - Method in interface [com.bea.wlpi.server.common.ExecutionContext](#)

Mark a workflow task as incomplete.

[taskUnmarkDone\(String, String, String\)](#) - Method in interface [com.bea.wlpi.server.admin.Admin](#)

Mark a task as incomplete.

[taskUnmarkDone\(String, String, String\)](#) - Method in interface [com.bea.wlpi.server.worklist.Worklist](#)

Mark a task as incomplete.

[TEMPLATE](#) - Static variable in interface [com.bea.wlpi.common.Publishable](#)

[TEMPLATE](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Template"

[TEMPLATE_CREATED](#) - Static variable in interface [com.bea.wlpi.common.plugin.PluginConstants](#)

Notification event raised when a template is created.

[TEMPLATE_DEFINITION](#) - Static variable in interface [com.bea.wlpi.common.Publishable](#)

[TEMPLATE_DEFINITION](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Template Definition"

[TEMPLATE_DEFINITION_HOME](#) - Static variable in interface [com.bea.wlpi.server.common.ExecutionContext](#)

JNDI/EJB environment entry for the TemplateDefinitionRO bean.

[TEMPLATE_DEFINITION_NOT_FOUND](#) - Static variable in interface [com.bea.wlpi.common.Messages](#)

"Workflow Template Definition (id={0}) not found."

[TEMPLATE_DELETED](#) - Static variable in interface

com.bea.wlpi.common.plugin.[PluginConstants](#)

Notification event raised when a template is deleted.

[TEMPLATE_LOCKED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The workflow template is currently locked by {0}."

[TEMPLATE_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Workflow Template (id={0}) not found."

[TEMPLATE_NOT_PUBLISHED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot add a published template definition to a nonpublished template."

[TEMPLATE_UPDATED](#) - Static variable in interface

com.bea.wlpi.common.plugin.[PluginConstants](#)

Notification event raised when a template is updated.

[templateChanged\(TemplateNotification\)](#) - Method in interface

com.bea.wlpi.server.plugin.[Plugin](#)

Notifies a plugin of a change in a template.

[TEMPLATEDEFINITION_NOT_PUBLISHED](#) - Static variable in interface

com.bea.wlpi.common.[Messages](#)

"Cannot add a nonpublished template definition to a published template."

[templateDefinitionChanged\(TemplateDefinitionNotification\)](#) - Method in interface

com.bea.wlpi.server.plugin.[Plugin](#)

Notifies a plugin of a change in a template definition.

[TemplateDefinitionInfo](#) - class com.bea.wlpi.common.[TemplateDefinitionInfo](#).

Holds information about a workflow template definition.

[TemplateDefinitionInfo\(String, Timestamp, Timestamp, boolean\)](#) - Constructor for class

com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Create a new [TemplateDefinitionInfo](#) object.

[TemplateDefinitionInfo\(String, Timestamp, Timestamp, boolean, String, String\)](#) -

Constructor for class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Create a new [TemplateDefinitionInfo](#) object.

[TemplateDefinitionInfo\(String, Timestamp, Timestamp, boolean, String, String, String,](#)

[Map, boolean\)](#) - Constructor for class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

[TemplateDefinitionNotification](#) - class

com.bea.wlpi.server.plugin.[TemplateDefinitionNotification](#).

Notification object that describes a change to a template definition.

[TemplateDefinitionPropertiesInfo](#) - class

com.bea.wlpi.common.plugin.[TemplateDefinitionPropertiesInfo](#).

Defines the GUI component for plugin template definition properties.

[TemplateDefinitionPropertiesInfo\(String, String, String, String\[\]\)](#) - Constructor for

class com.bea.wlpi.common.plugin.[TemplateDefinitionPropertiesInfo](#)

Create a new [TemplateDefinitionPropertiesInfo](#) object.

[TemplateInfo](#) - class com.bea.wlpi.common.[TemplateInfo](#).

Holds information about a workflow template.

[TemplateInfo\(String, String\)](#) - Constructor for class com.bea.wlpi.common.[TemplateInfo](#)

Create a new [TemplateInfo](#) object.

[TemplateInfo\(String, String, String\)](#) - Constructor for class

com.bea.wlpi.common.[TemplateInfo](#)

Create a new `TemplateInfo` object.

[`TemplateInfo\(String, String, String, Map, boolean\)`](#) - Constructor for class `com.bea.wlpi.common.TemplateInfo`

Create a new `TemplateInfo` object.

[`TemplateNodeInfo`](#) - class `com.bea.wlpi.common.plugin.TemplateNodeInfo`.

Provides information about a plugin-supplied template definition node type.

[`TemplateNodeInfo\(String, int, String, String, Icon, String\[\]\)`](#) - Constructor for class `com.bea.wlpi.common.plugin.TemplateNodeInfo`

Create a new `TemplateNodeInfo`.

[`TemplateNotification`](#) - class `com.bea.wlpi.server.plugin.TemplateNotification`.

Notification object that describes a change to a template.

[`TemplatePropertiesInfo`](#) - class `com.bea.wlpi.common.plugin.TemplatePropertiesInfo`.

Defines the plugin-provided GUI component for plugin template properties.

[`TemplatePropertiesInfo\(String, String, String, String, String\[\]\)`](#) - Constructor for class `com.bea.wlpi.common.plugin.TemplatePropertiesInfo`

Create a new `TemplatePropertiesInfo` object.

[`TEXT`](#) - Static variable in class `com.bea.eci.repository.helper.Types`

Entity with "text/plain" content type.

[`TextDocumentUtil`](#) - class `com.bea.eci.repository.helper.TextDocumentUtil`.

This class is a convenience class for `TextDocument` that provides additional methods for `TextDocuments`.

[`TextDocumentUtil\(\)`](#) - Constructor for class `com.bea.eci.repository.helper.TextDocumentUtil`

[`TOP`](#) - Static variable in class `com.bea.wlpi.client.common.Attachments`

Component is attached to the top side of its parent.

[`TOPIC_FACTORY`](#) - Static variable in interface `com.bea.wlpi.server.common.JNDITags`

JMS Topic and Queue Factories

[`topicID`](#) - Variable in class `com.bea.wlpi.client.common.HelpListener`

[`toString\(\)`](#) - Method in class `com.bea.eci.repository.helper.XMLEntityInfo`

Returns the name of the entity represented by this object.

[`toString\(\)`](#) - Method in class `com.bea.eci.repository.helper.RepositoryFolderInfo`

Return the name of the repository folder represented by this object.

[`toString\(\)`](#) - Method in class `com.bea.wlpi.client.common.GUID`

Get the string value of the instance of `GUID`.

[`toString\(\)`](#) - Method in class `com.bea.wlpi.common.TemplateInfo`

Return a string representation of the object.

[`toString\(\)`](#) - Method in class `com.bea.wlpi.common.VariableInfo`

Return a string representation of the object.

[`toString\(\)`](#) - Method in class `com.bea.wlpi.common.EventKeyInfo`

Return a string representation of the object.

[`toString\(\)`](#) - Method in class `com.bea.wlpi.common.UserInfo`

Return a string representation of the object.

[`toString\(\)`](#) - Method in class `com.bea.wlpi.common.RoleInfo`

Return a string representation of the object.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[InstanceInfo](#)

Return a string representation of the object.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[ClassDescriptor](#)

Return a string representation of the descriptor object.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[RerouteInfo](#)

Return a string representation of the object.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[TemplateDefinitionInfo](#)

Return a string representation of the object.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[MethodDescriptor](#)

Return a string representation of the method or constructor.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[VersionInfo](#)

Return a string representation of the object.

[toString\(\)](#) - Method in class com.bea.wlpi.common.[TaskInfo](#)

Return a string representation of the object, listing the field values.

[toString\(\)](#) - Method in class com.bea.wlpi.common.plugin.[InfoObject](#)

Return a string representation of this InfoObject.

[toString\(\)](#) - Method in class com.bea.wlpi.common.plugin.[ConfigurationData](#)

Return a string representation of the object.

[transfchar\(String\)](#) - Method in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[trigger\(EventContext, ExecutionContext\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginEvent](#)

Trigger this event.

[TYPE_ACTION_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [ActionInfo](#) object.

[TYPE_BOOL](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_CONFIGURATION_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [ConfigurationInfo](#) object.

[TYPE_DATE](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_DONE_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [DoneInfo](#) object.

[TYPE_DOUBLE](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_ENTITY](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_ENTITY](#) - Static variable in class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)

Describes a remote reference to an entity EJB.

[TYPE_EVENT_HANDLER_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [EventHandlerInfo](#) object.

[TYPE_EVENT_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [EventInfo](#) object.

[TYPE_FIELD_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [FieldInfo](#) object.

[TYPE_FUNCTION_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [FunctionInfo](#) object.

[TYPE_HELP_SET_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [HelpSetInfo](#) object.

[TYPE_INT](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_OBJECT](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_OBJECT](#) - Static variable in class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)

Describes a local Java object (as opposed to a remote object).

[TYPE_ROLE](#) - Static variable in class com.bea.wlpi.common.[RerouteInfo](#)

Reroute tasks to a role.

[TYPE_SESSION](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_SESSION](#) - Static variable in class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)

Describes a remote reference to a session EJB.

[TYPE_START_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [StartInfo](#) object.

[TYPE_STRING](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [TemplateDefinitionPropertiesInfo](#) object.

[TYPE_TEMPLATE_PROPERTIES_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [TemplatePropertiesInfo](#) object.

[TYPE_USER](#) - Static variable in class com.bea.wlpi.common.[RerouteInfo](#)

Reroute tasks to another user.

[TYPE_USERINROLE](#) - Static variable in class com.bea.wlpi.common.[RerouteInfo](#)

Reroute tasks to a user in a role, using load-balancing.

[TYPE_VARIABLE_TYPE_INFO](#) - Static variable in interface com.bea.wlpi.common.plugin.[PluginConstants](#)

Used to retrieve a specific [VariableTypeInfo](#) object.

[TYPE_XML](#) - Static variable in class com.bea.wlpi.common.[VariableInfo](#)

[Types](#) - class com.bea.eci.repository.helper.[Types](#).

Definitions used as a bridge between the repository client and the repository.

[Types\(\)](#) - Constructor for class com.bea.eci.repository.helper.[Types](#)

U

[uid](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

[UNKNOWN_OBJECT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)
"Object"

[unload\(\)](#) - Method in interface com.bea.wlpi.server.plugin.[Plugin](#)
Unload the Plugin.

[unloadPlugin\(String, VersionInfo\)](#) - Method in interface com.bea.wlpi.server.plugin.[PluginManagerCfg](#)
Unload and deinitialize specified plugin.

[unlockTemplate\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)
Unlock a previously locked template.

[UNRESOLVED_OBJECT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)
"{0} : {1} referenced by {2}"

[UNRESOLVED_REPORT](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)
"The following references could not be resolved:"

[updateBusinessCalendar\(BusinessCalendarInfo\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)
Update a business calendar.

[updateBusinessOperation\(String, ClassInvocationDescriptor\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)
Update a business operation.

[updateBusinessOperation\(String, EJBInvocationDescriptor\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)
Update a business operation.

[updateEntity\(XMLEntityInfo\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)
Update an entity's description, notes and content fields.

[updateEntity\(XMLEntityInfo\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)
Update an entity's description, notes and content fields.

[updateEventKey\(EventKeyInfo\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)
Update an event key.

[updateFolder\(RepositoryFolderInfo\)](#) - Method in interface com.bea.eci.repository.ejb.[XMLRepository](#)
Update a folder's description and notes fields.

[updateFolder\(RepositoryFolderInfo\)](#) - Method in class com.bea.eci.repository.helper.[RepositoryActions](#)
Update a folder's description and notes fields.

[updateReroute\(String, String, int, Timestamp, Timestamp\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)
Update a task reroute.

[updateReroute\(String, String, String, int, Timestamp, Timestamp\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Update a task reroute.

[updateTemplate\(TemplateInfo\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Update a workflow template.

[url](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistApplet](#)

[url](#) - Variable in class com.bea.wlpi.client.common.[HelpListener](#)

[URL](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[USER](#) - Static variable in interface com.bea.wlpi.common.[Publishable](#)

[USER](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"User"

[USER_CANNOT_DELETE_ACTION_REF](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The user {0} cannot be deleted, because it is referenced by one or more actions."

[USER_EMAIL_ID_UNDEFINED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"User {0} does not have an email address."

[USER_LOGGED_ON](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"User {0} is currently logged on and cannot be deleted."

[USER_NAMES_UNIQUE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The specified user {0} is already defined."

[USER_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified user: {0}."

[USER_NOT_IN_ROLE_ORG](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The specified user {0} does not belong to the organization ({1}) within which the role {2} is defined."

[USER_ORG_UNDEFINED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"No workflow organization defined for user {0}."

[USER_PERMISSION_DEFINE_WORKFLOWS](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission to define workflows."

[USER_PERMISSION_MAINTAIN_ORGS](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission to maintain organizations."

[USER_PERMISSION_MAINTAIN_ROLES](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission to maintain roles."

[USER_PERMISSION_MAINTAIN_USERS](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission to maintain users."

[USER_PERMISSION_MODIFY_CONFIG](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission to modify the server configuration."

[USER_PERMISSION_MONITOR_WORKFLOW](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission for workflow monitoring."

[USER_PERMISSION_REROUTE_TASK](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"You do not have permission to do task rerouting."

USER_TASKS_ASSIGNED - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot delete user {0}, because there are tasks assigned to the user. Please reassign all tasks first."

USERID - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

UserInfo - class com.bea.wlpi.common.[UserInfo](#).

Holds information about a workflow user.

UserInfo(String) - Constructor for class com.bea.wlpi.common.[UserInfo](#)

Create a new UserInfo object.

UserInfo(String, String, String, String) - Constructor for class com.bea.wlpi.common.[UserInfo](#)

Create a new UserInfo object.

UserPermissionInfo - class com.bea.wlpi.common.security.[UserPermissionInfo](#).

Holds permission information about a WLPI user.

UserPermissionInfo(String) - Constructor for class com.bea.wlpi.common.security.[UserPermissionInfo](#)

Create a new UserPermissionInfo object.

UserPermissionInfo(String, List) - Constructor for class com.bea.wlpi.common.security.[UserPermissionInfo](#)

Create a new UserPermissionInfo object.

UTF_DATA_FORMAT_EXCEPTION - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system cannot read the template definition.\n\n Upgrading the server to run on a JDK1.3 Java VM may cure the problem."

V

VALIDATE_FLAG - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

validateAndSave() - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Instructs the panel to validate its UI control values and save them into the plugin-provided data.

validateExpression(String, boolean, FieldInfo, String) - Method in interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)

Validate an expression.

validateType(String) - Static method in class com.bea.wlpi.common.[VariableInfo](#)

Check the specified type name for validity.

validateTypes(String[]) - Static method in class com.bea.wlpi.common.[VariableInfo](#)

Check the specified type names for validity.

VARIABLE_CANNOT_DELETE_ACTION_REF - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The variable {0} cannot be deleted, because it is referenced by one or more actions."

VARIABLE_CANNOT_DELETE_DECISION_REF - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The variable {0} cannot be deleted, because it is referenced by one or more

decisions."

[VARIABLE CANNOT DELETE TEMPL REF](#) - Static variable in interface
com.bea.wlpi.common.[Messages](#)

"The variable {0} cannot be deleted, because it is referenced by the instance ID expression or the trigger definition."

[VARIABLE EXISTS AS ANOTHER TYPE](#) - Static variable in interface
com.bea.wlpi.common.[Messages](#)

"The specified variable name "{0}" is already defined as type "{1}."

[VARIABLE INSTANCE NOT FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified variable instance: {0}."

[VARIABLE NAME BLANK](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Variable names cannot be blank."

[VARIABLE NAMES UNIQUE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Variable names must be unique."

[VariableInfo](#) - class com.bea.wlpi.common.[VariableInfo](#).

Holds information about a workflow variable.

[VariableInfo\(String, Object\)](#) - Constructor for class com.bea.wlpi.common.[VariableInfo](#)

Create a new VariableInfo object.

[VariableInfo\(String, String\)](#) - Constructor for class com.bea.wlpi.common.[VariableInfo](#)

Create a new VariableInfo object.

[variableRenamed\(String, String\)](#) - Method in class com.bea.wlpi.common.plugin.[PluginPanel](#)

Cascade updates to the specified workflow variable.

[VariableTypeInfo](#) - class com.bea.wlpi.common.plugin.[VariableTypeInfo](#).

Provides information about a variable type defined by a plugin.

[VariableTypeInfo\(String, int, String, String, int, Class, String\[\]\)](#) - Constructor for class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)

Create a new VariableTypeInfo object.

[variableValue](#) - Variable in class com.bea.wlpi.common.plugin.[PluginVariablePanel](#)

[VCENTRE](#) - Static variable in class com.bea.wlpi.client.common.[Attachments](#)

Component is vertically centered on its parent.

[version](#) - Variable in class com.bea.wlpi.server.plugin.[PluginConfiguration](#)

[Version](#) - class com.bea.wlpi.client.common.[Version](#).

Provides version information about the client.

[Version\(\)](#) - Constructor for class com.bea.wlpi.client.common.[Version](#)

[VersionInfo](#) - class com.bea.wlpi.common.[VersionInfo](#).

Holds information about a version number.

[VersionInfo\(int, int, int, String, String\)](#) - Constructor for class
com.bea.wlpi.common.[VersionInfo](#)

Create a new VersionInfo object.

[VersionInfo\(int, int, String, String\)](#) - Constructor for class
com.bea.wlpi.common.[VersionInfo](#)

Create a new VersionInfo object.

[VersionInfo\(String\)](#) - Constructor for class com.bea.wlpi.common.[VersionInfo](#)

Create a new VersionInfo object from a string.

W

[W](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[WARNING_MESSAGE](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[WARNING_WORKFLOW](#) - Static variable in class com.bea.wlpi.common.[WorkflowException](#)

A non-fatal workflow condition that the user can rectify manually.

[WARNING_WORKFLOW](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Workflow warning"

[WATableColumnModel](#) - class com.bea.wlpi.client.common.[WATableColumnModel](#).

TableColumnModel implementation that supports persistence and header icons.

[WATableColumnModel\(String\[\]\[\]\)](#) - Constructor for class

com.bea.wlpi.client.common.[WATableColumnModel](#)

Construct a new WATableColumnModel from raw data only.

[WATableColumnModel\(TableColumnModel, Properties, String\)](#) - Constructor for class

com.bea.wlpi.client.common.[WATableColumnModel](#)

Construct a new WATableColumnModel from a Properties object and a master model.

[WATableColumnModel\(TableColumnModel, String\[\]\)](#) - Constructor for class

com.bea.wlpi.client.common.[WATableColumnModel](#)

Construct a new WATableColumnModel from column identifiers and a master model.

[WEBLOGIC_REALM](#) - Static variable in class com.bea.wlpi.client.common.[WLPI](#)

[wlpi](#) - Variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[WLPI](#) - class com.bea.wlpi.client.common.[WLPI](#).

Provides a standard way to connect to a WebLogic Process Integrator server and access resources therein.

[WLPI_PRINCIPAL_HOME](#) - Static variable in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

JNDI/EJB environment entry for the [WLPIPrincipal](#) bean.

[WLPI_PWD](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

[WLPI_USER](#) - Static variable in interface com.bea.wlpi.server.common.[JNDITags](#)

These tags define the wlpi system user/password to be used when propagating the values on the JNDI context.

[WLPI\(\)](#) - Constructor for class com.bea.wlpi.client.common.[WLPI](#)

Create a new WLPI object.

[WLPIConstants](#) - interface com.bea.wlpi.common.[WLPIConstants](#).

Defines constants used by both clients and server.

[WLPIPrincipal](#) - interface com.bea.wlpi.server.principal.[WLPIPrincipal](#).

Provides workflow participants based on security principals defined in an external

security realm.

[WLPIPrincipalHome](#) - interface com.bea.wlpi.server.principal.[WLPIPrincipalHome](#).

Home interface for the [WLPIPrincipal](#) session EJB.

[WORKFLOW_CANNOT_DELETE_ACTION_REF](#) - Static variable in interface

com.bea.wlpi.common.[Messages](#)

"The workflow {0} cannot be deleted, because it is referenced by one or more actions."

[WORKFLOW_COMPLETE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"This workflow cannot be modified, because it is complete."

[WORKFLOW_INACTIVE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Cannot instantiate a workflow, because the template definition is inactive."

[WORKFLOW_INSTANCE_HOME](#) - Static variable in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

JNDI/EJB environment entry for the WorkflowInstance bean.

[WORKFLOW_INSTANCE_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The system could not find the specified workflow instance: {0}."

[WORKFLOW_OBJECT_PUBLISHED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"This {0} is part of a published package and cannot be modified."

[WORKFLOW_STATE_ACTIVE](#) - Static variable in class com.bea.wlpi.common.[InstanceInfo](#)

Workflow instance is running normally.

[WORKFLOW_STATE_SUSPENDED](#) - Static variable in class com.bea.wlpi.common.[InstanceInfo](#)

Workflow instance has been suspended.

[WORKFLOW_SUSPENDED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"This workflow cannot be modified, because it is suspended."

[WORKFLOW_TEMPLATE_NAMES_UNIQUE](#) - Static variable in interface

com.bea.wlpi.common.[Messages](#)

"Workflow template names must be unique."

[WorkflowException](#) - exception com.bea.wlpi.common.[WorkflowException](#).

Encapsulates exceptions encountered when executing a remote EJB call.

[WorkflowException\(Exception\)](#) - Constructor for class

com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException containing a nested exception.

[WorkflowException\(Exception, int\)](#) - Constructor for class

com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException containing a nested exception.

[WorkflowException\(Exception, int, int\)](#) - Constructor for class

com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException containing a nested exception.

[WorkflowException\(Exception, int, Object\[\]\)](#) - Constructor for class

com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException containing a nested exception.

[WorkflowException\(Exception, int, Object\[\], int\)](#) - Constructor for class

com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException containing a nested exception.

[WorkflowException\(int\)](#) - Constructor for class com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException with the specified error code.

[WorkflowException\(int, int\)](#) - Constructor for class com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException with the specified error code.

[WorkflowException\(int, Object\[\]\)](#) - Constructor for class com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException with the specified error code.

[WorkflowException\(int, Object\[\], int\)](#) - Constructor for class com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException with the specified error code.

[WorkflowException\(int, Object\[\], int, String\)](#) - Constructor for class com.bea.wlpi.common.[WorkflowException](#)

Construct a new WorkflowException with the specified error code.

[WorkflowStatusDialog](#) - class com.bea.wlpi.client.common.[WorkflowStatusDialog](#).

A dialog that lists the tasks in a workflow instance and provides various commands to manipulate them.

[WorkflowStatusDialog\(Frame, WLPI, Properties, InstanceInfo\)](#) - Constructor for class com.bea.wlpi.client.common.[WorkflowStatusDialog](#)

Create a new WorkflowStatusDialog for the specified workflow instance.

[worklist](#) - Variable in class com.bea.wlpi.client.worklist.[WorklistFrame](#)

[Worklist](#) - interface com.bea.wlpi.server.worklist.[Worklist](#).

Provides the functionality required by a worklist client application.

[WorklistAddIn](#) - interface com.bea.wlpi.client.worklist.[WorklistAddIn](#).

Interface that defines a worklist addin.

[WorklistApplet](#) - class com.bea.wlpi.client.worklist.[WorklistApplet](#).

An application/applet to display a WebLogic Process Integrator Worklist.

[WorklistApplet\(\)](#) - Constructor for class com.bea.wlpi.client.worklist.[WorklistApplet](#)

Public constructor used when launched as an applet.

[WorklistFrame](#) - class com.bea.wlpi.client.worklist.[WorklistFrame](#).

A JFrame to contain a WebLogic Process Integrator Worklist.

[WorklistFrame\(WorklistPane\)](#) - Constructor for class com.bea.wlpi.client.worklist.[WorklistFrame](#)

Create a new WorklistFrame to contain the specified worklist.

[WorklistHome](#) - interface com.bea.wlpi.server.worklist.[WorklistHome](#).

Home interface for the [Worklist](#) session bean.

[WorklistPane](#) - class com.bea.wlpi.client.worklist.[WorklistPane](#).

A WebLogic Process Integrator Worklist.

[WorklistPane\(\)](#) - Constructor for class com.bea.wlpi.client.worklist.[WorklistPane](#)

Create a new worklist.

[WORKLOAD_NAMES_UNIQUE](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Workload graph names must be unique."

[workloadQuery\(String\)](#) - Method in interface com.bea.wlpi.server.admin.[Admin](#)

Run a workload query.

[WRONG_START_DATE_EXPRESSION](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Wrong timed start date expression in start node: {0}.\n{1}."

X

[X](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[XML](#) - Static variable in class com.bea.eci.repository.helper.[Types](#)

Entity with "application/xml" content type that is an XML document.

[XML_PARSE_FAILED](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"An error occurred when parsing an XML document."

[XML_REPOSITORY_ENTITY](#) - Static variable in interface com.bea.wlpi.common.[Publishable](#)

[XML_REPOSITORY_ENTITY](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"XML Repository Entity"

[XML_REPOSITORY_FOLDER](#) - Static variable in interface com.bea.wlpi.common.[Publishable](#)

[XML_REPOSITORY_FOLDER](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"XML Repository Folder"

[XML_REPOSITORY_HOME](#) - Static variable in interface

com.bea.wlpi.server.common.[ExecutionContext](#)

JNDI/EJB environment entry for the [XMLRepository](#) bean.

[XML_SCHEMA](#) - Static variable in class com.bea.eci.repository.helper.[Types](#)

Entity with "text/plain" content type that is an XML Schema document.

[XML_SYNTAX_ERROR](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"XML Syntax error at line {0}, column {1}."

[XML_VERSION_MISMATCH](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"The definition was created with a later of version of the product."

[XMLEntityInfo](#) - class com.bea.eci.repository.helper.[XMLEntityInfo](#).

A representation of an entity (RepositoryVersionedObject or one of its subclasses, specifically TextDocument) for clients.

[XMLEntityInfo\(int, String, String, String\)](#) - Constructor for class

com.bea.eci.repository.helper.[XMLEntityInfo](#)

Create a new XMLEntityInfo object representing a repository entity.

[XMLEntityInfo\(int, String, String, String, byte\[\]\)](#) - Constructor for class

com.bea.eci.repository.helper.[XMLEntityInfo](#)

Create a new XMLEntityInfo object representing a repository object.

[XMLEntityInfo\(int, String, String, String, Timestamp, Timestamp\)](#) - Constructor for class

com.bea.eci.repository.helper.[XMLEntityInfo](#)

Create a new XMLEntityInfo object representing a repository object.

[XMLEntityInfo\(int, String, String, String, Timestamp, Timestamp, String\)](#) - Constructor for class com.bea.eci.repository.helper.[XMLEntityInfo](#)

Create a new XMLEntityInfo object representing a repository object.

[XMLEntityInfoHelper](#) - class com.bea.wlpi.common.[XMLEntityInfoHelper](#).

This is an auxilliary class for com.bea.eci.repository.helper.XMLEntityInfo used solely for Import/Export purposes.

[XMLEntityInfoHelper\(int, String, String, String\)](#) - Constructor for class

com.bea.wlpi.common.[XMLEntityInfoHelper](#)

[XMLFIELD](#) - Static variable in class com.bea.wlpi.common.plugin.[FieldInfo](#)

A built-in field type that returns XML single-element textual values.

[XMLProxy](#) - class com.bea.wlpi.common.[XMLProxy](#).

Provide a proxy to delegate XML parsing.

[XMLProxy\(String, XMLReader, ContentHandler\)](#) - Constructor for class com.bea.wlpi.common.[XMLProxy](#)

Construct a new XMLProxy.

[XMLRepository](#) - interface com.bea.eci.repository.ejb.[XMLRepository](#).

The remote methods for accessing and manipulating the XML Entity Repository using a statless session EJB.

[XMLRepositoryHome](#) - interface com.bea.eci.repository.ejb.[XMLRepositoryHome](#).

The home interface for the repository EJB.

[XMLWriter](#) - class com.bea.wlpi.common.[XMLWriter](#).

[XMLWriter\(Writer\)](#) - Constructor for class com.bea.wlpi.common.[XMLWriter](#)

[XSLT](#) - Static variable in class com.bea.eci.repository.helper.[Types](#)

Entity with "text/plain" content type that is an XML transformation document.

Y

[Y](#) - Static variable in class com.bea.wlpi.client.worklist.[WorklistPane](#)

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#)

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How This API Document Is Organized

This API (Application Programming Interface) document has pages corresponding to the items in the navigation bar, described as follows.

Overview

The [Overview](#) page is the front page of this API document and provides a list of all packages with a summary for each. This page can also contain an overall description of the set of packages.

Package

Each package has a page that contains a list of its classes and interfaces, with a summary for each. This page can contain four categories:

- Interfaces (*italic*)
- Classes
- Exceptions
- Errors

Class/Interface

Each class, interface, inner class and inner interface has its own separate page. Each of these pages has three sections consisting of a class/interface description, summary tables, and detailed member descriptions:

- Class inheritance diagram
- Direct Subclasses
- All Known Subinterfaces
- All Known Implementing Classes
- Class/interface declaration
- Class/interface description
- Inner Class Summary
- Field Summary
- Constructor Summary
- Method Summary
- Field Detail

- [Constructor Detail](#)
- [Method Detail](#)

Each summary entry contains the first sentence from the detailed description for that item. The summary entries are alphabetical, while the detailed descriptions are in the order they appear in the source code. This preserves the logical groupings established by the programmer.

Tree (Class Hierarchy)

There is a [Class Hierarchy](#) page for all packages, plus a hierarchy for each package. Each hierarchy page contains a list of classes and a list of interfaces. The classes are organized by inheritance structure starting with `java.lang.Object`. The interfaces do not inherit from `java.lang.Object`.

- When viewing the Overview page, clicking on "Tree" displays the hierarchy for all packages.
- When viewing a particular package, class or interface page, clicking "Tree" displays the hierarchy for only that package.

Deprecated API

The [Deprecated API](#) page lists all of the API that have been deprecated. A deprecated API is not recommended for use, generally due to improvements, and a replacement API is usually given. Deprecated APIs may be removed in future implementations.

Index

The [Index](#) contains an alphabetic list of all classes, interfaces, constructors, methods, and fields.

Prev/Next

These links take you to the next or previous class, interface, package, or related page.

Frames/No Frames

These links show and hide the HTML frames. All pages are available with or without frames.

Serialized Form

Each serializable or externalizable class has a description of its serialization fields and methods. This information is of interest to re-implementors, not to developers using the API. While there is no link in the navigation bar, you can get to this information by going to any serialized class and clicking "Serialized Form" in the "See also" section of the class description.

This help file applies to API documentation generated using the standard doclet.

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Package com.bea.wlpi.common.plugin

Provides common classes used by plugins in the WebLogic Process Integrator client and server.

See:

[Description](#)

Interface Summary

PluginActionData	Interface to allow plugins to load and store plugin action data in XML format.
PluginConstants	Defines various constants used by the plugin framework.
PluginData	Interface to allow plugins to load and store data in XML format.
PluginField	The interface that a plugin has to implement to define a new field.
PluginFunction	The interface that a plugin must implement to define a new evaluator function.
PluginObject	Interface to allow plugins to load data in XML format.
PluginPanelContext	Interface to allow plugins access to design-time context and services.
PluginVariableRenderer	Defines a plugin-provided GUI component for displaying the value of a plugin-defined variable type.

Class Summary

ActionCategoryInfo	Provides information about an action or action category defined by a plugin.
ActionInfo	Provides information about an action defined by a plugin.
CategoryInfo	Provides information about an action category defined by a plugin.
ConfigurationData	Provides information about a plugin's configuration.
ConfigurationInfo	Provides information about configuration information defined by a plugin.
DoneInfo	Provides information about a done node type defined by a plugin.
EventHandlerInfo	Provides information about an event handler defined by a plugin.

<u>EventInfo</u>	Provides information about an event node type defined by a plugin.
<u>FieldInfo</u>	Provides information about a data field type defined by a plugin.
<u>FunctionInfo</u>	Provides information about an evaluator function defined by a plugin.
<u>HelpSetInfo</u>	Provides information about the context sensitive online help provided by a plugin.
<u>InfoObject</u>	Abstract base class for all plugin metadata objects.
<u>PluginActionPanel</u>	Defines the GUI component for a plugin-provided action.
<u>PluginCapabilitiesInfo</u>	Provides information about a plugin's capabilities.
<u>PluginDependency</u>	Provides information about a plugin's dependencies.
<u>PluginInfo</u>	Provides basic information about a plugin prior to loading.
<u>PluginPanel</u>	Defines a plugin-provided GUI component.
<u>PluginTriggerPanel</u>	Defines a plugin-provided start or event node GUI component.
<u>PluginVariablePanel</u>	Defines a plugin-provided GUI component for editing the value of a plugin-defined variable type.
<u>StartInfo</u>	Provides information about a start node type defined by a plugin.
<u>TemplateDefinitionPropertiesInfo</u>	Defines the GUI component for plugin template definition properties.
<u>TemplateNodeInfo</u>	Provides information about a plugin-supplied template definition node type.
<u>TemplatePropertiesInfo</u>	Defines the plugin-provided GUI component for plugin template properties.
<u>VariableTypeInfo</u>	Provides information about a variable type defined by a plugin.

Exception Summary

<u>PluginException</u>	Exception class thrown by plugins and the Plugin Manager.
--	---

Package com.bea.wlpi.common.plugin Description

Provides common classes used by plugins in the WebLogic Process Integrator client and server. Members of this package are serializable to enable them to be exchanged between client and server. Many of the classes provide meta-data about various plugin capabilities; their primary purpose is to eliminate unnecessary 'read-only' remote method calls.

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Hierarchy For Package com.bea.wlpi.common.plugin

Package Hierarchies:

[All Packages](#)

Class Hierarchy

- class java.lang.Object
 - class java.awt.Component (implements java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable)
 - class java.awt.Container
 - class javax.swing.JComponent (implements java.io.Serializable)
 - class javax.swing.JPanel (implements javax.accessibility.Accessible)
 - class com.bea.wlpi.common.plugin.[PluginPanel](#) (implements java.lang.Cloneable)
 - class com.bea.wlpi.common.plugin.[PluginActionPanel](#)
 - class com.bea.wlpi.common.plugin.[PluginTriggerPanel](#)
 - class com.bea.wlpi.common.plugin.[PluginVariablePanel](#)
- class com.bea.wlpi.common.plugin.[ConfigurationData](#) (implements java.io.Serializable)
- class com.bea.wlpi.common.plugin.[InfoObject](#) (implements java.lang.Comparable, com.bea.wlpi.common.plugin.[PluginConstants](#), java.io.Serializable)
 - class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)
 - class com.bea.wlpi.common.plugin.[ActionInfo](#)
 - class com.bea.wlpi.common.plugin.[CategoryInfo](#)
 - class com.bea.wlpi.common.plugin.[ConfigurationInfo](#)
 - class com.bea.wlpi.common.plugin.[EventHandlerInfo](#)
 - class com.bea.wlpi.common.plugin.[FieldInfo](#)
 - class com.bea.wlpi.common.plugin.[FunctionInfo](#)
 - class com.bea.wlpi.common.plugin.[HelpSetInfo](#)
 - class com.bea.wlpi.common.plugin.[PluginDependency](#)

- class com.bea.wlpi.common.plugin.[PluginInfo](#)
- class com.bea.wlpi.common.plugin.[TemplateDefinitionPropertiesInfo](#)
- class com.bea.wlpi.common.plugin.[TemplateNodeInfo](#)
 - class com.bea.wlpi.common.plugin.[DoneInfo](#)
 - class com.bea.wlpi.common.plugin.[EventInfo](#)
 - class com.bea.wlpi.common.plugin.[StartInfo](#)
- class com.bea.wlpi.common.plugin.[TemplatePropertiesInfo](#)
- class com.bea.wlpi.common.plugin.[VariableTypeInfo](#)
- class com.bea.wlpi.common.plugin.[PluginCapabilitiesInfo](#) (implements java.io.Serializable)
- class java.lang.Throwable (implements java.io.Serializable)
 - class java.lang.Exception
 - class com.bea.wlpi.common.[WorkflowException](#)
 - class com.bea.wlpi.common.plugin.[PluginException](#)

Interface Hierarchy

- interface java.lang.Cloneable
 - interface com.bea.wlpi.common.plugin.[PluginData](#) (also extends com.bea.wlpi.common.plugin.[PluginObject](#))
 - interface com.bea.wlpi.common.plugin.[PluginActionData](#)
- interface org.xml.sax.ContentHandler
 - interface com.bea.wlpi.common.plugin.[PluginObject](#) (also extends java.io.Serializable)
 - interface com.bea.wlpi.common.plugin.[PluginData](#) (also extends java.lang.Cloneable)
 - interface com.bea.wlpi.common.plugin.[PluginActionData](#)
- interface com.bea.wlpi.common.plugin.[PluginConstants](#)
- interface com.bea.wlpi.common.plugin.[PluginPanelContext](#)
- interface com.bea.wlpi.common.plugin.[PluginVariableRenderer](#)
- interface java.io.Serializable
 - interface com.bea.wlpi.common.plugin.[PluginField](#)
 - interface com.bea.wlpi.common.plugin.[PluginFunction](#)
 - interface com.bea.wlpi.common.plugin.[PluginObject](#) (also extends org.xml.sax.ContentHandler)
 - interface com.bea.wlpi.common.plugin.[PluginData](#) (also extends

java.lang.Cloneable)

- interface com.bea.wlpi.common.plugin.[PluginActionData](#)

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com.bea.eci.repository.helper

Interfaces

[*RepositoryExceptionMessages*](#)

Classes

[ObjectFolderUtil](#)

[RepositoryActions](#)

[RepositoryFolderInfo](#)

[TextDocumentUtil](#)

Types

[XMLEntityInfo](#)

Exceptions

[RepositoryException](#)

Package com.bea.eci.repository.helper

Provides the classes required by the ECI repository interface.

See:

[Description](#)

Interface Summary

RepositoryExceptionMessages	Message numbers used by <code>com.bea.eci.repository.helper.RepositoryException</code> .
---	--

Class Summary

ObjectFolderUtil	A convenience class for repository ObjectFolders.
RepositoryActions	This class provides methods for accessing and manipulating the XML Entity Repository.
RepositoryFolderInfo	A class used to represent a folder in the repository.
TextDocumentUtil	This class is a convenience class for TextDocument that provides additional methods for TextDocuments.
Types	Definitions used as a bridge between the repository client and the repository.
XMLEntityInfo	A representation of an entity (RepositoryVersionedObject or one of its subclasses, specifically TextDocument) for clients.

Exception Summary

RepositoryException	Thrown by the repository EJB, this class insulates the repository client from the repository implementation classes, specifically <code>com.bea.eci.repository.RepositoryException</code> .
-------------------------------------	---

Package com.bea.eci.repository.helper Description

Provides the classes required by the ECI repository interface. `xxxInfo` objects for dealing with repository objects on the client side and RepositoryActions, which provides the repository manipulation methods.

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Hierarchy For Package com.bea.eci.repository.helper

Package Hierarchies:

[All Packages](#)

Class Hierarchy

- class java.lang.Object
 - class com.bea.eci.repository.helper.[ObjectFolderUtil](#)
 - class com.bea.eci.repository.helper.[RepositoryActions](#)
 - class com.bea.eci.repository.helper.[RepositoryFolderInfo](#) (implements java.lang.Comparable, java.io.Serializable)
 - class com.bea.eci.repository.helper.[TextDocumentUtil](#)
 - class java.lang.Throwable (implements java.io.Serializable)
 - class java.lang.Exception
 - class com.bea.eci.repository.helper.[RepositoryException](#)
 - class com.bea.eci.repository.helper.[Types](#)
 - class com.bea.eci.repository.helper.[XMLEntityInfo](#) (implements java.lang.Comparable, java.io.Serializable)

Interface Hierarchy

- interface com.bea.eci.repository.helper.[RepositoryExceptionMessages](#)
-

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Hierarchy For Package com.bea.wlpi.client.common

Package Hierarchies:

[All Packages](#)

Class Hierarchy

- class java.lang.Object
 - class javax.swing.table.AbstractTableModel (implements java.io.Serializable, javax.swing.table.TableModel)
 - class com.bea.wlpi.client.common.[MappedTableModel](#) (implements javax.swing.event.TableModelListener)
 - class com.bea.wlpi.client.common.[SortableTableModel](#)
 - class com.bea.wlpi.client.common.[Attachments](#)
 - class com.bea.wlpi.client.common.[AttachmentsLayout](#) (implements java.awt.LayoutManager2)
 - class java.awt.Component (implements java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable)
 - class java.awt.Container
 - class javax.swing.JComponent (implements java.io.Serializable)
 - class javax.swing.AbstractButton (implements java.awt.ItemSelectable, javax.swing.SwingConstants)
 - class javax.swing.JMenuItem (implements javax.accessibility.Accessible, javax.swing.MenuElement)
 - class com.bea.wlpi.client.common.[ColumnsMenuItem](#) (implements java.awt.event.ActionListener)
 - class javax.swing.JMenu (implements javax.accessibility.Accessible, javax.swing.MenuElement)
 - class com.bea.wlpi.client.common.[ColumnSorterMenu](#) (implements java.awt.event.ActionListener, javax.swing.event.TableColumnModelListener, javax.swing.event.TableModelListener)
 - class com.bea.wlpi.client.common.[LookAndFeelMenu](#) (implements java.awt.event.ActionListener)
 - class javax.swing.JLabel (implements javax.accessibility.Accessible, javax.swing.SwingConstants)
 - class javax.swing.plaf.basic.BasicComboBoxRenderer (implements

- javax.swing.ListCellRenderer, java.io.Serializable)
 - class com.bea.wlpi.client.common.[CustomEventComboBoxRenderer](#)
- class javax.swing.JScrollPane (implements javax.accessibility.Accessible, javax.swing.ScrollPaneConstants)
 - class com.bea.wlpi.client.common.[Tasklist](#) (implements javax.jms.MessageListener)
- class java.awt.Window (implements javax.accessibility.Accessible)
 - class java.awt.Dialog
 - class javax.swing.JDialog (implements javax.accessibility.Accessible, javax.swing.RootPaneContainer, javax.swing.WindowConstants)
 - class com.bea.wlpi.client.common.[ColumnsDialog](#) (implements java.awt.event.ActionListener)
 - class com.bea.wlpi.client.common.[Logon](#) (implements java.awt.event.ActionListener)
 - class com.bea.wlpi.client.common.[TaskPropertiesDialog](#) (implements java.awt.event.ActionListener)
 - class com.bea.wlpi.client.common.[TaskReassignDialog](#) (implements java.awt.event.ActionListener)
 - class com.bea.wlpi.client.common.[WorkflowStatusDialog](#) (implements java.awt.event.ActionListener)
- class javax.swing.table.DefaultTableColumnModel (implements javax.swing.event.ListSelectionListener, java.beans.PropertyChangeListener, java.io.Serializable, javax.swing.table.TableColumnModel)
 - class com.bea.wlpi.client.common.[WATableColumnModel](#)
- class com.bea.wlpi.client.common.[ExceptionHandler](#) (implements java.lang.Runnable)
- class javax.swing.filechooser.FileFilter
 - class com.bea.wlpi.client.common.[ExtensionFileFilter](#)
- class com.bea.wlpi.client.common.[GUID](#)
- class com.bea.wlpi.client.common.[HelpListener](#) (implements java.awt.event.ActionListener)
- class com.bea.wlpi.client.common.[ImageFactory](#)
- class com.bea.wlpi.client.common.[MessageDialog](#)
- class com.bea.wlpi.client.common.[Resources](#)
- class com.bea.wlpi.client.common.[Version](#)
- class com.bea.wlpi.client.common.[WLPI](#)

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Package com.bea.wlpi.client.common

Provides the WebLogic Process Integrator common client-side classes.

See:

[Description](#)

Class Summary

Attachments	Layout constraints object used by AttachmentsLayout.
AttachmentsLayout	A LayoutManager that uses attachments between components.
ColumnsDialog	A dialog to allow a user to customize the columns displayed in a JTable.
ColumnsMenuItem	Supports customization of JTables.
ColumnSorterMenu	A JMenu that supports sorting of JTables.
CustomEventComboBoxRenderer	A BasicComboBoxRenderer that paints the selected item from the list in the JComboBox field.
ExceptionHandler	Reports exceptions in WebLogic Process Integrator clients.
ExtensionFileFilter	FileChooser filter that discriminates by file extension.
GUID	A utility class for generating global unique ID.
HelpListener	Launches online help in an HTML browser or via JavaHelp.
ImageFactory	A static factory class that creates and caches images and icons.
Logon	A dialog to capture WebLogic Process Integrator user ID, password and server URL.
LookAndFeelMenu	A JMenu that supports configuration of the pluggable Swing "Look And Feel."
MappedTableModel	Abstract class to support mapping of table models.
MessageDialog	A dialog to display a message in a scrollable text area.
Resources	Manages localized resources used by WebLogic Process Integrator client classes.
SortableTableModel	A sorter for TableModels.
Tasklist	Displays a list of tasks for a user, role or workflow instance.

<u>TaskPropertiesDialog</u>	A dialog to enable a user to update the properties and permission flags for a task.
<u>TaskReassignDialog</u>	A dialog to enable a user to reassign a task to another user or role.
<u>Version</u>	Provides version information about the client.
<u>WATableColumnModel</u>	TableColumnModel implementation that supports persistence and header icons.
<u>WLPI</u>	Provides a standard way to connect to a WebLogic Process Integrator server and access resources therein.
<u>WorkflowStatusDialog</u>	A dialog that lists the tasks in a workflow instance and provides various commands to manipulate them.

Package com.bea.wlpi.client.common Description

Provides the WebLogic Process Integrator common client-side classes.

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WebLogic Process Integrator Version
2.0

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Package com.bea.wlpi.client.util

Various utilities for use with WebLogic Process Integrator.

See:

[Description](#)

Class Summary

JMSTest	A JMS test utility that can publish or subscribe to a JMS topic.
JMSTestAddr	A JMS test utility that can publish or subscribe to a JMS topic.

Package com.bea.wlpi.client.util Description

Various utilities for use with WebLogic Process Integrator.

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Hierarchy For Package com.bea.wlpi.client.util

Package Hierarchies:

[All Packages](#)

Class Hierarchy

- class java.lang.Object
 - class com.bea.wlpi.client.util.[JMSTest](#) (implements javax.jms.MessageListener)
 - class com.bea.wlpi.client.util.[JMSTestAddr](#) (implements javax.jms.MessageListener)
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Hierarchy For Package com.bea.wlpi.common

Package Hierarchies:

[All Packages](#)

Class Hierarchy

- class java.lang.Object
 - class com.bea.wlpi.common.[BusinessCalendarInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[ClassDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[ClassInvocationDescriptor](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[EJBDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[EJBInvocationDescriptor](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[EventKeyInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[InstanceInfo](#) (implements java.lang.Comparable, java.io.Serializable)
 - class com.bea.wlpi.common.[LongStrings](#)
 - class com.bea.wlpi.common.[MethodDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[OrganizationInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[PackageEntry](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[PublishPackage](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[RepositoryFolderInfoHelper](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
 - class com.bea.wlpi.common.[RerouteInfo](#) (implements java.lang.Comparable, java.io.Serializable)
 - class com.bea.wlpi.common.[RoleInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)

- class com.bea.wlpi.common.[TaskInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.common.[TemplateDefinitionInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[TemplateInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class java.lang.Throwable (implements java.io.Serializable)
 - class java.lang.Exception
 - class com.bea.wlpi.common.[WorkflowException](#)
- class com.bea.wlpi.common.[UserInfo](#) (implements java.lang.Comparable, com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[VariableInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.common.[VersionInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.common.[XMLEntityInfoHelper](#) (implements com.bea.wlpi.common.[Publishable](#), java.io.Serializable)
- class com.bea.wlpi.common.[XMLProxy](#) (implements org.xml.sax.ContentHandler, org.xml.sax.XMLReader)
- class com.bea.wlpi.common.[XMLWriter](#)

Interface Hierarchy

- interface com.bea.wlpi.common.[Messages](#)
- interface com.bea.wlpi.common.[Publishable](#)
- interface com.bea.wlpi.common.[WLPIConstants](#)

Package com.bea.wlpi.common

Provides common classes used by both the WebLogic Process Integrator client and server.

See:

[Description](#)

Interface Summary

Messages	Codes for language-independent server messaging.
Publishable	Describes objects that can be included in a workflow application package.
WLPConstants	Defines constants used by both clients and server.

Class Summary

BusinessCalendarInfo	Holds information about a business calendar.
ClassDescriptor	Describes a server-side Java class.
ClassInvocationDescriptor	Describes and implements the invocation of a method in an arbitrary Java class.
EJBDescriptor	Describes an Enterprise Java Bean.
EJBInvocationDescriptor	Describes and implements the invocation of a method in an arbitrary Enterprise Java Bean.
EventKeyInfo	Holds information about an XML event key.
InstanceInfo	Holds information about a workflow instance.
LongStrings	Supports serialization for strings, including those which exceed 64Kbytes in length when UTF-8 encoded.
MethodDescriptor	Describes a method on a server-side Java class.
OrganizationInfo	Holds information about an organization.
PackageEntry	This class represents a single entry in a publish package JAR file.
PublishPackage	This class represents all the entries to be included in a publish package JAR file.
RepositoryFolderInfoHelper	This is an auxilliary class for com.bea.eci.repository.helper.RepositoryFolderInfo used solely for Import/Export purposes.

RerouteInfo	Holds information about a task reroute.
RoleInfo	Holds information about a workflow role.
TaskInfo	Holds information about a workflow task.
TemplateDefinitionInfo	Holds information about a workflow template definition.
TemplateInfo	Holds information about a workflow template.
UserInfo	Holds information about a workflow user.
VariableInfo	Holds information about a workflow variable.
VersionInfo	Holds information about a version number.
XMLEntityInfoHelper	This is an auxilliary class for com.bea.eci.repository.helper.XMLEntityInfo used solely for Import/Export purposes.
XMLProxy	Provide a proxy to delegate XML parsing.
XMLWriter	

Exception Summary

WorkflowException	Encapsulates exceptions encountered when executing a remote EJB call.
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Package com.bea.wlpi.common Description

Provides common classes used by both the WebLogic Process Integrator client and server. All members of this package are serializable to enable them to be exchanged between client and server. Their primary purpose is to eliminate unnecessary 'read-only' remote method calls.

Those classes whose names follow the xxxInfo pattern hold values from various server-side objects (including entity EJBs used internally): all such classes override the boolean equals(Object) and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the Collection.contains(Object), List.indexOf(Object), Collections.sort(List) methods. Note that only in those cases where the natural ordering of the object (as implemented by the boolean compareTo(Object) method) is based on the same field as that used by the boolean equals(Object) method, may the int Collections.binarySearch(List, Object) be used for rapidly searching a list that has previously been sorted using the Collections.sort(List) method.

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com.bea.wlpi.common

Interface Messages

public interface **Messages**

Codes for language-independent server messaging.

The Messages class assigns ordinal numbers for all server messages that can be localized and may contain replaceable, numbered parameters. The message code, together with the actual parameter values, is sent to the client in a WorkflowException object thrown by the server. For example, the English version of the message to inform the user that a proposed organization name would not be unique might be:

```
"{0} is already used as an organization name."
```

The unique message code as defined in Messages is [ORG_NAMES_UNIQUE](#) = 57, corresponding to an entry in the PropertyResourceBundle com/bea/wlpi/common/Messages. If the server wants to send this message with an actual parameter value of "WORKFLOW", it simply raises the following exception:

```
throw new WorkflowException(WorkflowException.WARNING_WORKFLOW,  
Messages.ORG_NAMES_UNIQUE, new Object[] { "WORKFLOW" });
```

N.B. The symbolic constants in this interface relate to corresponding entries in the property resource bundle com.bea.wlpi.common.Messages

Field Summary

static int	BUS_OP_CLASS_NAME_NOT_FOUND "The server could not find the Java class {0}."
static int	BUS_OP_JNDI_NAME_NOT_FOUND "The server could not find an EJB deployed with JNDI name {0}."
static int	BUS_OP_METHOD_FAILED "Empty instance object for business operation {0} in template {1}."
static int	BUS_OP_NO_INSTANCE_VARIABLE "Empty instance object for business operation {0} in template {1}."
static int	BUSINESS_CALENDAR "Business Calendar"

static int	<u>BUSINESS OP NOT FOUND</u> "The system could not find the specified business operation {0}."
static int	<u>BUSINESS OPERATION</u> "Business Operation"
static int	<u>CAL BAD TIMEZONE</u> "Timezone identifier {0} is not recognized."
static int	<u>CAL CANNOT DELETE TEMPLATE</u> "Cannot delete a Business Calendar's template rules."
static int	<u>CAL ID NOT SPECIFIED</u> "No business calendar id specified in expression."
static int	<u>CAL NO XML FOUND</u> "No XML found for calendar."
static int	<u>CAL NOT FOUND</u> "The system could not find the specified business calendar {0}."
static int	<u>CAL PROCESSOR NOT FOUND</u> "The system could not find the processor for business calendar {0}."
static int	<u>CAL RULE BAD CHAR</u> "'Line {0}, column {1}: unexpected character {2} in Business Calendar rule."
static int	<u>CAL RULE BAD TOKEN</u> "'Line {0}, column {1}: unexpected token {2} in Business Calendar rule."
static int	<u>CAL RULES NOT FOUND</u> "Business Calendar {0} has no rules defined for the year {1}."
static int	<u>CALENDAR NAMES UNIQUE</u> "{0} is already used as business calendar name."
static int	<u>CANNOT CREATE BUSINESS OPERATION</u> "Cannot create the business operation, because the name \"{0}\" already exists."
static int	<u>CANNOT DELETE SYSTEM USER</u> "Cannot delete system user {0}."
static int	<u>CANNOT MAP GROUP</u> "Cannot map the role \"{0}\" to the system group \"{1}\"."

static int	<u>CANNOT_UPDATE_BUSINESS_OPERATION</u> "Cannot update the business operation, because the name "{0}" already exists."
static int	<u>CHECKSUM_FAILURE</u> "The file you are importing from has an invalid checksum.\n Import failed."
static int	<u>CLASS_NOT_FOUND</u> "Unable to load class object for {0}; {1}."
static int	<u>CONSTRUCTOR_INVOCATION_FAILED</u> "Creation of new {0} failed; {1}."
static int	<u>CONSTRUCTOR_NOT_FOUND</u> "No matching constructor was found on {0}; {1}."
static int	<u>CREDENTIAL_INFO_SET</u> "{0} is already set."
static int	<u>DATABASE_CONNECT_FAILED</u> "Unable to connect to database."
static int	<u>DATE_CONFLICT_REPORT</u> ""The following template definitions cannot be activated because an\nactive template definition with the same effective date already exists."
static int	<u>DATE_FORMAT_ERROR</u> "Cannot parse the string as a Date value, \nthe value "{0}" should follow \nthe format "MM/dd/yyyy hh:mm:ss AM PM GMT[+ -]hh[[:]mm]"."
static int	<u>DATE_INVALID</u> "The date {0} is invalid."
static int	<u>DAY_NAME_INVALID</u> "Invalid day name: {0}."
static int	<u>DEFAULT_DATE_FORMAT</u> "MM/dd/yyyy hh:mm:ss AM PM GMT[+ -]hh[[:]mm]"
static int	<u>EFF_TEMPLATE_DEFN_NOT_FOUND</u> "The system could not find an active, effective template definition to start."
static int	<u>EJB_HOME_BINDING_INVALID</u> "Object bound to {0} does not implement home interface {1}."
static int	<u>EJB_HOME_ENV_NOT_SET</u> "EJB home environment not set."

static int	<u>EJB_HOME_INTERFACE_NOT_BOUND</u> "No object is bound to {0} in specified context; {1}."
static int	<u>EJB_HOME_INTERFACE_NOT_FOUND</u> "Unable to load class object for home interface of type {0}; {1}."
static int	<u>EJB_HOME_METHOD_NOT_FOUND</u> "No home method was found on {0} matching {1}; {2}."
static int	<u>EJB_INITIAL_CONTEXT_EXCEPTION</u> "Unable to get initial context: environment may be invalid; {0}."
static int	<u>EJB_METHOD_INVOCATION_FAILED</u> "EJB {0} method invocation failed; {1}."
static int	<u>EJB_REMOTE_INTERFACE_NOT_FOUND</u> "Unable to load class object for remote interface of type {0}; {1}."
static int	<u>EJB_REMOTE_METHOD_NOT_FOUND</u> "No remote method was found on {0} matching {1}; {2}."
static int	<u>EJB_REMOTE_OBJECT_NOT_FOUND</u> "No remote object(s) were found."
static int	<u>EJB_RETURN_CLASS_NOT_FOUND</u> "Unable to load class for method return value of type {0}; {1}."
static int	<u>EJB_SESSION_BEAN_NOT_CREATED</u> "The home method did not return a session bean."
static int	<u>EJB_UNEXPECTED_RETURN_TYPE</u> "{0} object returned from method invocation not of expected type {1}."
static int	<u>ERROR_HANDLER_CUSTOM_ERROR</u> "The application or workflow instance invoked an error handler."
static int	<u>ERROR_HANDLER_EXCEPTION</u> "An exception occurred during error handler processing."
static int	<u>ERROR_HANDLER_NOT_FOUND</u> "The system could not find the error handler {0}."
static int	<u>ERROR_HANDLER_RETRIES_EXCEEDED</u> "An error handler exceeded the maximum number of retries allowed."

static int	<u>ERROR_SYSTEM</u> "System error"
static int	<u>ERROR_UNKNOWN</u> "Unknown error"
static int	<u>ERROR_WORKFLOW</u> "Workflow error"
static int	<u>EVAL_ASSERT</u> "Assertion failed."
static int	<u>EVAL_ENDCOMMENT</u> "Unmatched end-of-comment punctuation."
static int	<u>EVAL_ERROR</u> "Evaluator error: {0}."
static int	<u>EVAL_EVENT_DATA_INVALID</u> "The event data is null or in an invalid format."
static int	<u>EVAL_FIELD_EVAL_UNSUPPORTED</u> "Field evaluation is not supported in this context."
static int	<u>EVAL_FIELD_QUAL_UNSUPP</u> "The plugin does not support field qualifiers: {0}."
static int	<u>EVAL_FIELD_REF_ILLEGAL</u> "Field reference {0} is not allowed in this context."
static int	<u>EVAL_FN_ARG_COUNT</u> "Wrong number of arguments to {0} function (requires {1})."
static int	<u>EVAL_FN_ARG_COUNT_R</u> "Wrong number of arguments to {0} function (requires between {1} and {2})."
static int	<u>EVAL_FN_EVAL_UNSUPPORTED</u> "Function evaluation is not supported in this context."
static int	<u>EVAL_FN_UNRECOGNIZED</u> "Unrecognized function name: {0}."
static int	<u>EVAL_INCOMPLETE_ESCAPE</u> "Incomplete escape sequence: \\. "
static int	<u>EVAL_INTERNAL_CONSISTENCY_ERROR</u> "Internal consistency error in evaluator: {0}."
static int	<u>EVAL_INVALID_ESCAPE</u> "Invalid escape sequence: \\{0}."

static int	<u>EVAL_INVALID_OPERAND</u> "Invalid {0} operand: {1}."
static int	<u>EVAL_INVALID_OPERANDS</u> "Invalid {0} operands: {1}, {2}."
static int	<u>EVAL_MISMATCHED_OPERANDS</u> "Mismatched comparison operands: {0}, {1}."
static int	<u>EVAL_STARTCOMMENT</u> "Unmatched start-of-comment punctuation."
static int	<u>EVAL_SYNTAX_ERROR</u> "Syntax error: {0}."
static int	<u>EVAL_UNCLOSEDSTR</u> "Unclosed string: {0}."
static int	<u>EVAL_UNHANDLED_XOBJECT</u> "XPath expression returned an unhandled XObject type: {0}."
static int	<u>EVAL_UNMATCHED</u> "Illegal character: '{0}' at line {1}."
static int	<u>EVAL_VARIABLE_REF_ILLEGAL</u> "Variable reference {0} is not allowed in this context."
static int	<u>EVAL_XML_DOC_REQD</u> "The XPath function requires an XML document."
static int	<u>EVAL_XML_ELEM_NOT_FOUND</u> "The XML document does not contain the required element: {0}."
static int	<u>EVAL_XPATH_ERROR</u> "Error evaluating XPath expression."
static int	<u>EVENT_KEY</u> "Event Key"
static int	<u>FAILED_CONVERSION</u> "Failed to assign variable {0}."
static int	<u>FILE_NOT_FOUND</u>
static int	<u>ILLEGAL_CONVERSION</u> "Illegal variable value assigning: try to assign variable "{0}" of type {1} with value type {2}."

static int	<u>IMPORT_SUMMARY</u> "Finished import from file "{0}""
static int	<u>IMPORTED_OBJECT</u> "{0} : {1}"
static int	<u>IMPORTED_REPORT</u> "The following components were imported:"
static int	<u>INPUT_VARIABLE_NOT_SET</u> "Mandatory input variable {0} not set."
static int	<u>INTERVAL_FROM_DATE_INVALID</u> "The interval 'from' date is invalid."
static int	<u>INTERVAL_TO_DATE_INVALID</u> "The interval 'to' date is invalid."
static int	<u>INTERVAL_UNIT_INVALID</u> "Invalid interval unit: {0}."
static int	<u>INVALID_OBJECT_TYPE</u> "The list contains an object that is not a {0} object."/
static int	<u>INVOCATION_OBJECT_NOT_FOUND</u> "The server could not find the invocation object for a business operation."
static int	<u>JOIN_INSTANCE_NOT_FOUND</u> "The system could not find the specified join instance: {0}."
static int	<u>MAPPING_NOT_NULL</u> "Cannot map a role to a blank group."
static int	<u>METHOD_INVOCATION_FAILED</u> "{0} method invocation failed; {1}."
static int	<u>METHOD_NOT_FOUND</u> "No method was found on {0} matching {1}; {2}."
static int	<u>METHOD_WRONG_PARAMETER_COUNT</u> "Wrong number of parameters for method: expected {1}, found {2}."
static int	<u>MONTH_NAME_INVALID</u> "Invalid month name: {0}."
static int	<u>NESTED_EXCEPTION</u> "Nested exception is"

static int	<u>NO_EJB_FOR_HANDLE</u> "Cannot dereference Handle to EJB for BO parameter"
static int	<u>NONACTIVATED_REPORT</u> "The following template definitions cannot be activated due to unresolved references:"
static int	<u>OBJECT_PUBLISHED_MISMATCH_REPORT</u> "Cannot overwrite a published object with an unpublished one or vice-versa."
static int	<u>ORG</u> "Organization"
static int	<u>ORG_NAMES_UNIQUE</u> "{0} is already in use as an Organization name."
static int	<u>ORG_NOT_FOUND</u> "The system could not find the specified organization: {0}."
static int	<u>ORG_USER_ADD_FAILED</u> "The system could not add user {0} to organization {1}."
static int	<u>ORG_USER_NOT_FOUND</u> "User {0} does not belong to organization {1}."
static int	<u>ORG_USER_REMOVE_FAILED</u> "The system could not remove user {0} from organization {1}."
static int	<u>PARAMETER_CAST_EXCEPTION</u> "Value for parameter {0} cannot be cast to required type {1}."
static int	<u>PARAMETER_CLASS_U_NOT_FOUND</u> "Unable to load class (unwrapped if primitive) for parameter {0} of type {1}; {2}."
static int	<u>PARAMETER_CLASS_W_NOT_FOUND</u> "Unable to load class (wrapped if primitive) for parameter {0} of type {1}; {2}."
static int	<u>PASSWORD_FAILURE</u> "Wrong password.;"
static int	<u>PERM_GROUP_MISSING</u> "A WLPI permission group is missing."

static int	<u>PLUGIN_DEPENDENCY_CIRCULAR</u> "The system detected a circular dependency while attempting to load plugin {0}."
static int	<u>PLUGIN_DEPENDENCY_ERROR</u> "The system could not load plugin {0} because the plugin {1}, on which it depends, is missing or failed to initialize."
static int	<u>PLUGIN_ERROR</u> "Error in plugin {0}: {1}"
static int	<u>PLUGIN_FRAMEWORK_VERSION</u> "The plugin {0} requires plugin framework version {1} or later."
static int	<u>PLUGIN_INFO_NOT_FOUND</u> "The {0} plugin does not define a {1} object with an ID of {2}."
static int	<u>PLUGIN_INVALID_ACTION</u> Plugin {0} provided an action or category {1} with an invalid parentSystemID: {2}."
static int	<u>PLUGIN_NOT_FOUND</u> "The system could not find the plugin "{1}"."
static int	<u>PLUGIN_NOT_LOADED</u> "A required plugin {0} is not loaded."
static int	<u>PROGRAM_CALL_FAILED</u> "Error calling program: {0} with arguments {1}."
static int	<u>PUBLISHED_MISMATCH_REPORT</u> "The following template definitions cannot be imported\ndue to published status mismatch with their templates:"
static int	<u>REALM_NOT_INSTALLED</u> "No security realm has been installed."
static int	<u>REALM_NOT_LISTABLE</u> "The installed security realm {0} is not listable."
static int	<u>REALM_NOT_UPDATEABLE</u> "The security realm {0} is not updateable."
static int	<u>REFERENCE_MISSING</u> "Fixup error: missing reference {0}."
static int	<u>REPORT_NAMES_UNIQUE</u> "Report names must be unique."

static int	<u>REQUEST_ABORTED_ERROR</u> "The server was unable to complete your request."
static int	<u>REQUEST_ABORTED_WARNING</u> "The server was unable to complete your request."
static int	<u>REROUTE_ALREADY_REROUTED</u> "Source user is already rerouted during the period specified."
static int	<u>REROUTE_CIRCULAR</u> "Specified reroute would create a circular reference."
static int	<u>REROUTE_DIFFERENT_USER</u> "Source and destination of reroute must be different."
static int	<u>REROUTE_EFF_BEFORE_EXP</u> "Effective date must be before expiry date."
static int	<u>ROLE</u> "Role"
static int	<u>ROLE_CANNOT_DELETE_ACTION_REF</u> "The role {0} cannot be deleted, because it is referenced by one or more actions."
static int	<u>ROLE_EMPTY</u> "The role {0} is empty."
static int	<u>ROLE_NAMES_UNIQUE</u> "Role names must be unique within an organization."
static int	<u>ROLE_NOT_FOUND</u> "The system could not find the specified role: {0}."
static int	<u>ROLE_NOT_MAPPED</u> "The Process Integrator role {0} is not mapped to a WebLogic Server security group."
static int	<u>ROLE_TASKS_ASSIGNED</u> "Cannot delete role {0}, because there are tasks assigned to the role. Please reassign all tasks first."
static int	<u>ROLE_USER_ADD_FAILED</u> "The system could not add user {0} to role {1}."
static int	<u>ROLE_USER_EMAIL_ID_UNDEFINED</u> "User {0} in role {1} does not have an email address."
static int	<u>ROLE_USER_REMOVE_FAILED</u> "The system could not remove user {0} from role {1}."

static int	<u>ROUTING TABLE FAILED</u> "Routing table failed to identify suitable assignee."
static int	<u>SENDING EMAIL FAILED</u> "Sending email failed."
static int	<u>TARGET ACTION NOT FOUND</u> "The system could not find the target action {0}."
static int	<u>TARGET EVENT NOT FOUND</u> "The system could not find the target event {0}."
static int	<u>TARGET TASK NOT FOUND</u> "The system could not find the target task {0}."
static int	<u>TASK ASSIGN ALREADY DONE</u> "Cannot assign this task, because it is already done."
static int	<u>TASK CANNOT DELETE ACTION REF</u> "The task {0} cannot be deleted, because it is referenced by one or more actions."
static int	<u>TASK CANNOT MARK</u> "This task's properties do not allow it to be marked done."
static int	<u>TASK CANNOT MODIFY</u> "This task's properties do not allow it to be modified."
static int	<u>TASK CANNOT REASSIGN</u> "This task's properties do not allow it to be reassigned."
static int	<u>TASK CANNOT UNMARK</u> "This task's properties do not allow it to be unmarked done."
static int	<u>TASK EXECUTE ALREADY DONE</u> "Cannot execute this task, because it is already done."
static int	<u>TASK EXECUTE COMPLETE</u> "Cannot execute this task, because the workflow is complete."
static int	<u>TASK EXECUTE INACTIVE</u> "Cannot execute this task, because it is inactive."
static int	<u>TASK EXECUTE NOT ASSIGNED</u> "Cannot execute this task, because it is not assigned to you."

static int	<u>TASK_INSTANCE_NOT_FOUND</u> "The system could not find the specified task instance: {0}."
static int	<u>TASK_NAMES_UNIQUE</u> "Task names must be unique within a workflow."
static int	<u>TASK_TAKE_ALREADY_DONE</u> "Cannot take this task, because it is already done."
static int	<u>TEMPLATE</u> "Template"
static int	<u>TEMPLATE_DEFINITION</u> "Template Definition"
static int	<u>TEMPLATE_DEFINITION_NOT_FOUND</u> "Workflow Template Definition (id={0}) not found."
static int	<u>TEMPLATE_LOCKED</u> "The workflow template is currently locked by {0}."
static int	<u>TEMPLATE_NOT_FOUND</u> "Workflow Template (id={0}) not found."
static int	<u>TEMPLATE_NOT_PUBLISHED</u> "Cannot add a published template definition to a nonpublished template."
static int	<u>TEMPLATEDEFINITION_NOT_PUBLISHED</u> "Cannot add a nonpublished template definition to a published template."
static int	<u>UNKNOWN_OBJECT</u> "Object"
static int	<u>UNRESOLVED_OBJECT</u> "{0} : {1} referenced by {2}"
static int	<u>UNRESOLVED_REPORT</u> "The following references could not be resolved:"
static int	<u>USER</u> "User"
static int	<u>USER_CANNOT_DELETE_ACTION_REF</u> "The user {0} cannot be deleted, because it is referenced by one or more actions."
static int	<u>USER_EMAIL_ID_UNDEFINED</u> "User {0} does not have an email address."

static int	<u>USER_LOGGED_ON</u> "User {0} is currently logged on and cannot be deleted."
static int	<u>USER_NAMES_UNIQUE</u> "The specified user {0} is already defined."
static int	<u>USER_NOT_FOUND</u> "The system could not find the specified user: {0}."
static int	<u>USER_NOT_IN_ROLE_ORG</u> "The specified user {0} does not belong to the organization ({1}) within which the role {2} is defined."
static int	<u>USER_ORG_UNDEFINED</u> "No workflow organization defined for user {0}."
static int	<u>USER_PERMISSION_DEFINE_WORKFLOWS</u> "You do not have permission to define workflows."
static int	<u>USER_PERMISSION_MAINTAIN_ORGS</u> "You do not have permission to maintain organizations."
static int	<u>USER_PERMISSION_MAINTAIN_ROLES</u> "You do not have permission to maintain roles."
static int	<u>USER_PERMISSION_MAINTAIN_USERS</u> "You do not have permission to maintain users."
static int	<u>USER_PERMISSION_MODIFY_CONFIG</u> "You do not have permission to modify the server configuration."
static int	<u>USER_PERMISSION_MONITOR_WORKFLOW</u> "You do not have permission for workflow monitoring."
static int	<u>USER_PERMISSION_REROUTE_TASK</u> "You do not have permission to do task rerouting."
static int	<u>USER_TASKS_ASSIGNED</u> "Cannot delete user {0}, because there are tasks assigned to the user. Please reassign all tasks first."
static int	<u>UTF_DATA_FORMAT_EXCEPTION</u> "The system cannot read the template definition.\n\nUpgrading the server to run on a JDK1.3 Java VM may cure the problem."
static int	<u>VARIABLE_CANNOT_DELETE_ACTION_REF</u> "The variable {0} cannot be deleted, because it is referenced by one or more actions."

static int	<u>VARIABLE CANNOT DELETE DECISION REF</u> "The variable {0} cannot be deleted, because it is referenced by one or more decisions."
static int	<u>VARIABLE CANNOT DELETE TEMPL REF</u> "The variable {0} cannot be deleted, because it is referenced by the instance ID expression or the trigger definition."
static int	<u>VARIABLE EXISTS AS ANOTHER TYPE</u> "The specified variable name "{0}" is already defined as type "{1}"."
static int	<u>VARIABLE INSTANCE NOT FOUND</u> "The system could not find the specified variable instance: {0}."
static int	<u>VARIABLE NAME BLANK</u> "Variable names cannot be blank."
static int	<u>VARIABLE NAMES UNIQUE</u> "Variable names must be unique."
static int	<u>WARNING WORKFLOW</u> "Workflow warning"
static int	<u>WORKFLOW CANNOT DELETE ACTION REF</u> "The workflow {0} cannot be deleted, because it is referenced by one or more actions."
static int	<u>WORKFLOW COMPLETE</u> "This workflow cannot be modified, because it is complete."
static int	<u>WORKFLOW INACTIVE</u> "Cannot instantiate a workflow, because the template definition is inactive."
static int	<u>WORKFLOW INSTANCE NOT FOUND</u> "The system could not find the specified workflow instance: {0}."
static int	<u>WORKFLOW OBJECT PUBLISHED</u> "This {0} is part of a published package and cannot be modified."
static int	<u>WORKFLOW SUSPENDED</u> "This workflow cannot be modified, because it is suspended."
static int	<u>WORKFLOW TEMPLATE NAMES UNIQUE</u> "Workflow template names must be unique."

static int	<u>WORKLOAD NAMES UNIQUE</u> "Workload graph names must be unique."
static int	<u>WRONG START DATE EXPRESSION</u> "Wrong timed start date expression in start node: {0}.\n{1}."
static int	<u>XML_PARSE_FAILED</u> "An error occurred when parsing an XML document."
static int	<u>XML_REPOSITORY_ENTITY</u> "XML Repository Entity"
static int	<u>XML_REPOSITORY_FOLDER</u> "XML Repository Folder"
static int	<u>XML_SYNTAX_ERROR</u> "XML Syntax error at line {0}, column {1}."
static int	<u>XML_VERSION_MISMATCH</u> "The definition was created with a later of version of the product."

Field Detail

ERROR_UNKNOWN

```
public static final int ERROR_UNKNOWN
    "Unknown error"
```

ERROR_SYSTEM

```
public static final int ERROR_SYSTEM
    "System error"
```

ERROR_WORKFLOW

```
public static final int ERROR_WORKFLOW
    "Workflow error"
```

WARNING_WORKFLOW

```
public static final int WARNING_WORKFLOW
    "Workflow warning"
```

NESTED_EXCEPTION

```
public static final int NESTED_EXCEPTION
    "Nested exception is"
```

REQUEST_ABORTED_WARNING

```
public static final int REQUEST_ABORTED_WARNING
    "The server was unable to complete your request."
```

REQUEST_ABORTED_ERROR

```
public static final int REQUEST_ABORTED_ERROR
    "The server was unable to complete your request."
```

WORKFLOW_COMPLETE

```
public static final int WORKFLOW_COMPLETE
    "This workflow cannot be modified, because it is complete."
```

TASK_CANNOT_MARK

```
public static final int TASK_CANNOT_MARK
    "This task's properties do not allow it to be marked done."
```

TASK_CANNOT_UNMARK

```
public static final int TASK_CANNOT_UNMARK
    "This task's properties do not allow it to be unmarked done."
```

TASK_CANNOT_REASSIGN

```
public static final int TASK_CANNOT_REASSIGN
    "This task's properties do not allow it to be reassigned."
```

TASK_CANNOT_MODIFY

```
public static final int TASK_CANNOT_MODIFY
    "This task's properties do not allow it to be modified."
```

TASK_TAKE_ALREADY_DONE

```
public static final int TASK_TAKE_ALREADY_DONE
    "Cannot take this task, because it is already done."
```

TASK_ASSIGN_ALREADY_DONE

```
public static final int TASK_ASSIGN_ALREADY_DONE
    "Cannot assign this task, because it is already done."
```

TASK_EXECUTE_ALREADY_DONE

```
public static final int TASK_EXECUTE_ALREADY_DONE
    "Cannot execute this task, because it is already done."
```

TASK_EXECUTE_INACTIVE

```
public static final int TASK_EXECUTE_INACTIVE
    "Cannot execute this task, because it is inactive."
```

TASK_EXECUTE_COMPLETE

```
public static final int TASK_EXECUTE_COMPLETE
    "Cannot execute this task, because the workflow is complete."
```

TASK_EXECUTE_NOT_ASSIGNED

```
public static final int TASK_EXECUTE_NOT_ASSIGNED
    "Cannot execute this task, because it is not assigned to you."
```

REROUTE_DIFFERENT_USER

```
public static final int REROUTE_DIFFERENT_USER
    "Source and destination of reroute must be different."
```

REROUTE_EFF_BEFORE_EXP

```
public static final int REROUTE_EFF_BEFORE_EXP
    "Effective date must be before expiry date."
```

REROUTE_ALREADY_REROUTED

```
public static final int REROUTE_ALREADY_REROUTED
    "Source user is already rerouted during the period specified."
```

REROUTE_CIRCULAR

```
public static final int REROUTE_CIRCULAR
    "Specified reroute would create a circular reference."
```

TASK_NAMES_UNIQUE

```
public static final int TASK_NAMES_UNIQUE
    "Task names must be unique within a workflow."
```

ORG_NAMES_UNIQUE

```
public static final int ORG_NAMES_UNIQUE
    "{0} is already in use as an Organization name."
```

ROLE_NAMES_UNIQUE

```
public static final int ROLE_NAMES_UNIQUE
    "Role names must be unique within an organization."
```

USER_NAMES_UNIQUE

```
public static final int USER_NAMES_UNIQUE
    "The specified user {0} is already defined."
```

REPORT_NAMES_UNIQUE

```
public static final int REPORT_NAMES_UNIQUE
    "Report names must be unique."
```

VARIABLE_NAMES_UNIQUE

```
public static final int VARIABLE_NAMES_UNIQUE
    "Variable names must be unique."
```

WORKFLOW_TEMPLATE_NAMES_UNIQUE

```
public static final int WORKFLOW_TEMPLATE_NAMES_UNIQUE
    "Workflow template names must be unique."
```

WORKLOAD_NAMES_UNIQUE

```
public static final int WORKLOAD_NAMES_UNIQUE
    "Workload graph names must be unique."
```

CALENDAR_NAMES_UNIQUE

```
public static final int CALENDAR_NAMES_UNIQUE
    "{0} is already used as business calendar name."
```

USER_LOGGED_ON

```
public static final int USER_LOGGED_ON
    "User {0} is currently logged on and cannot be deleted."
```

USER_TASKS_ASSIGNED

```
public static final int USER_TASKS_ASSIGNED
    "Cannot delete user {0}, because there are tasks assigned to the
    user. Please reassign all tasks first."
```

USER_PERMISSION_MAINTAIN_USERS

```
public static final int USER_PERMISSION_MAINTAIN_USERS
    "You do not have permission to maintain users."
```

USER_PERMISSION_MAINTAIN_ROLES

```
public static final int USER_PERMISSION_MAINTAIN_ROLES
    "You do not have permission to maintain roles."
```

USER_PERMISSION_MAINTAIN_ORGS

```
public static final int USER_PERMISSION_MAINTAIN_ORGS
    "You do not have permission to maintain organizations."
```

USER_PERMISSION_DEFINE_WORKFLOWS

```
public static final int USER_PERMISSION_DEFINE_WORKFLOWS
    "You do not have permission to define workflows."
```

USER_PERMISSION_MONITOR_WORKFLOW

```
public static final int USER_PERMISSION_MONITOR_WORKFLOW
    "You do not have permission for workflow monitoring."
```

USER_PERMISSION_REROUTE_TASK

```
public static final int USER_PERMISSION_REROUTE_TASK
    "You do not have permission to do task rerouting."
```

USER_PERMISSION_MODIFY_CONFIG

```
public static final int USER_PERMISSION_MODIFY_CONFIG
```

```
"You do not have permission to modify the server configuration."
```

VARIABLE_CANNOT_DELETE_TEMPL_REF

```
public static final int VARIABLE_CANNOT_DELETE_TEMPL_REF
```

```
"The variable {0} cannot be deleted, because it is referenced by  
the instance ID expression or the trigger definition."
```

VARIABLE_CANNOT_DELETE_ACTION_REF

```
public static final int VARIABLE_CANNOT_DELETE_ACTION_REF
```

```
"The variable {0} cannot be deleted, because it is referenced by  
one or more actions."
```

VARIABLE_CANNOT_DELETE_DECISION_REF

```
public static final int VARIABLE_CANNOT_DELETE_DECISION_REF
```

```
"The variable {0} cannot be deleted, because it is referenced by  
one or more decisions."
```

VARIABLE_NAME_BLANK

```
public static final int VARIABLE_NAME_BLANK
```

```
"Variable names cannot be blank."
```

ROLE_TASKS_ASSIGNED

```
public static final int ROLE_TASKS_ASSIGNED
```

```
"Cannot delete role {0}, because there are tasks assigned to the  
role. Please reassign all tasks first."
```

WORKFLOW_CANNOT_DELETE_ACTION_REF

```
public static final int WORKFLOW_CANNOT_DELETE_ACTION_REF
    "The workflow {0} cannot be deleted, because it is referenced by
    one or more actions."
```

TASK_CANNOT_DELETE_ACTION_REF

```
public static final int TASK_CANNOT_DELETE_ACTION_REF
    "The task {0} cannot be deleted, because it is referenced by one
    or more actions."
```

ROLE_CANNOT_DELETE_ACTION_REF

```
public static final int ROLE_CANNOT_DELETE_ACTION_REF
    "The role {0} cannot be deleted, because it is referenced by one
    or more actions."
```

USER_CANNOT_DELETE_ACTION_REF

```
public static final int USER_CANNOT_DELETE_ACTION_REF
    "The user {0} cannot be deleted, because it is referenced by one
    or more actions."
```

WORKFLOW_SUSPENDED

```
public static final int WORKFLOW_SUSPENDED
    "This workflow cannot be modified, because it is suspended."
```

CAL_CANNOT_DELETE_TEMPLATE

```
public static final int CAL_CANNOT_DELETE_TEMPLATE
    "Cannot delete a Business Calendar's template rules."
```

CAL_ID_NOT_SPECIFIED

```
public static final int CAL_ID_NOT_SPECIFIED
    "No business calendar id specified in expression."
```

CAL_NO_XML_FOUND

```
public static final int CAL_NO_XML_FOUND
    "No XML found for calendar."
```

CAL_NOT_FOUND

```
public static final int CAL_NOT_FOUND
    "The system could not find the specified business calendar {0}."
```

CAL_RULES_NOT_FOUND

```
public static final int CAL_RULES_NOT_FOUND
    "Business Calendar {0} has no rules defined for the year {1}."
```

CAL_PROCESSOR_NOT_FOUND

```
public static final int CAL_PROCESSOR_NOT_FOUND
    "The system could not find the processor for business calendar
    {0}."
```

CAL_RULE_BAD_TOKEN

```
public static final int CAL_RULE_BAD_TOKEN
    "'Line {0}, column {1}: unexpected token {2} in Business Calendar
    rule."
```

CAL_RULE_BAD_CHAR

```
public static final int CAL_RULE_BAD_CHAR
    "Line {0}, column {1}: unexpected character {2} in Business
    Calendar rule."
```

CAL_BAD_TIMEZONE

```
public static final int CAL_BAD_TIMEZONE
    "Timezone identifier {0} is not recognized."
```

EJB_HOME_ENV_NOT_SET

```
public static final int EJB_HOME_ENV_NOT_SET
    "EJB home environment not set."
```

EJB_INITIAL_CONTEXT_EXCEPTION

```
public static final int EJB_INITIAL_CONTEXT_EXCEPTION
    "Unable to get initial context: environment may be invalid; {0}."
```

EJB_HOME_INTERFACE_NOT_FOUND

```
public static final int EJB_HOME_INTERFACE_NOT_FOUND
    "Unable to load class object for home interface of type {0}; {1}."
```

EJB_REMOTE_INTERFACE_NOT_FOUND

```
public static final int EJB_REMOTE_INTERFACE_NOT_FOUND
    "Unable to load class object for remote interface of type {0};
    {1}."
```

EJB_HOME_INTERFACE_NOT_BOUND

```
public static final int EJB_HOME_INTERFACE_NOT_BOUND
    "No object is bound to {0} in specified context; {1}."
```

EJB_HOME_BINDING_INVALID

```
public static final int EJB_HOME_BINDING_INVALID
    "Object bound to {0} does not implement home interface {1}."
```

EJB_HOME_METHOD_NOT_FOUND

```
public static final int EJB_HOME_METHOD_NOT_FOUND
    "No home method was found on {0} matching {1}; {2}."
```

EJB_REMOTE_METHOD_NOT_FOUND

```
public static final int EJB_REMOTE_METHOD_NOT_FOUND
    "No remote method was found on {0} matching {1}; {2}."
```

EJB_RETURN_CLASS_NOT_FOUND

```
public static final int EJB_RETURN_CLASS_NOT_FOUND
    "Unable to load class for method return value of type {0}; {1}."
```

EJB_REMOTE_OBJECT_NOT_FOUND

```
public static final int EJB_REMOTE_OBJECT_NOT_FOUND
    "No remote object(s) were found."
```

EJB_METHOD_INVOCATION_FAILED

```
public static final int EJB_METHOD_INVOCATION_FAILED
    "EJB {0} method invocation failed; {1}."
```

EJB_UNEXPECTED_RETURN_TYPE

```
public static final int EJB_UNEXPECTED_RETURN_TYPE
    "{0} object returned from method invocation not of expected type
    {1}."
```

METHOD_WRONG_PARAMETER_COUNT

```
public static final int METHOD_WRONG_PARAMETER_COUNT
    "Wrong number of parameters for method: expected {1}, found {2}."
```

PARAMETER_CLASS_W_NOT_FOUND

```
public static final int PARAMETER_CLASS_W_NOT_FOUND
    "Unable to load class (wrapped if primitive) for parameter {0} of
    type {1}; {2}."
```

PARAMETER_CLASS_U_NOT_FOUND

```
public static final int PARAMETER_CLASS_U_NOT_FOUND
    "Unable to load class (unwrapped if primitive) for parameter {0}
    of type {1}; {2}."
```

PARAMETER_CAST_EXCEPTION

```
public static final int PARAMETER_CAST_EXCEPTION
    "Value for parameter {0} cannot be cast to required type {1}."
```

EJB_SESSION_BEAN_NOT_CREATED

```
public static final int EJB_SESSION_BEAN_NOT_CREATED
    "The home method did not return a session bean."
```

TEMPLATE_NOT_FOUND

```
public static final int TEMPLATE_NOT_FOUND
    "Workflow Template (id={0}) not found."
```

TEMPLATE_DEFINITION_NOT_FOUND

```
public static final int TEMPLATE_DEFINITION_NOT_FOUND
    "Workflow Template Definition (id={0}) not found."
```

EFF_TEMPLATE_DEFN_NOT_FOUND

```
public static final int EFF_TEMPLATE_DEFN_NOT_FOUND
    "The system could not find an active, effective template
    definition to start."
```

XML_SYNTAX_ERROR

```
public static final int XML_SYNTAX_ERROR
    "XML Syntax error at line {0}, column {1}."
```

CLASS_NOT_FOUND

```
public static final int CLASS_NOT_FOUND
    "Unable to load class object for {0}; {1}."
```

CONSTRUCTOR_NOT_FOUND

```
public static final int CONSTRUCTOR_NOT_FOUND
    "No matching constructor was found on {0}; {1}."
```

CONSTRUCTOR_INVOCATION_FAILED

```
public static final int CONSTRUCTOR_INVOCATION_FAILED
    "Creation of new {0} failed; {1}."
```

METHOD_NOT_FOUND

```
public static final int METHOD_NOT_FOUND
    "No method was found on {0} matching {1}; {2}."
```

METHOD_INVOCATION_FAILED

```
public static final int METHOD_INVOCATION_FAILED
    "{0} method invocation failed; {1}."
```

TEMPLATE_LOCKED

```
public static final int TEMPLATE_LOCKED
    "The workflow template is currently locked by {0}."
```

INTERVAL_FROM_DATE_INVALID

```
public static final int INTERVAL_FROM_DATE_INVALID
    "The interval 'from' date is invalid."
```

INTERVAL_TO_DATE_INVALID

```
public static final int INTERVAL_TO_DATE_INVALID
    "The interval 'to' date is invalid."
```

DATE_INVALID

```
public static final int DATE_INVALID
    "The date {0} is invalid."
```

MONTH_NAME_INVALID

```
public static final int MONTH_NAME_INVALID
    "Invalid month name: {0}."
```

DAY_NAME_INVALID

```
public static final int DAY_NAME_INVALID
    "Invalid day name: {0}."
```

TASK_INSTANCE_NOT_FOUND

```
public static final int TASK_INSTANCE_NOT_FOUND
    "The system could not find the specified task instance: {0}."
```

INPUT_VARIABLE_NOT_SET

```
public static final int INPUT_VARIABLE_NOT_SET
    "Mandatory input variable {0} not set."
```

JOIN_INSTANCE_NOT_FOUND

```
public static final int JOIN_INSTANCE_NOT_FOUND
    "The system could not find the specified join instance: {0}."
```

VARIABLE_INSTANCE_NOT_FOUND

```
public static final int VARIABLE_INSTANCE_NOT_FOUND
    "The system could not find the specified variable instance: {0}."
```

ORG_NOT_FOUND

```
public static final int ORG_NOT_FOUND
    "The system could not find the specified organization: {0}."
```

ROLE_NOT_FOUND

```
public static final int ROLE_NOT_FOUND
    "The system could not find the specified role: {0}."
```

USER_NOT_FOUND

```
public static final int USER_NOT_FOUND
    "The system could not find the specified user: {0}."
```

ORG_USER_NOT_FOUND

```
public static final int ORG_USER_NOT_FOUND
    "User {0} does not belong to organization {1}."
```

ORG_USER_ADD_FAILED

```
public static final int ORG_USER_ADD_FAILED
    "The system could not add user {0} to organization {1}."
```

ROLE_USER_ADD_FAILED

```
public static final int ROLE_USER_ADD_FAILED
    "The system could not add user {0} to role {1}."
```

ORG_USER_REMOVE_FAILED

```
public static final int ORG_USER_REMOVE_FAILED
    "The system could not remove user {0} from organization {1}."
```

ROLE_USER_REMOVE_FAILED

```
public static final int ROLE_USER_REMOVE_FAILED
    "The system could not remove user {0} from role {1}."
```

USER_NOT_IN_ROLE_ORG

```
public static final int USER_NOT_IN_ROLE_ORG
    "The specified user {0} does not belong to the organization ({1})
    within which the role {2} is defined."
```

REALM_NOT_INSTALLED

```
public static final int REALM_NOT_INSTALLED
    "No security realm has been installed."
```

REALM_NOT_LISTABLE

```
public static final int REALM_NOT_LISTABLE
    "The installed security realm {0} is not listable."
```

REALM_NOT_UPDATEABLE

```
public static final int REALM_NOT_UPDATEABLE
    "The security realm {0} is not updateable."
```

DATABASE_CONNECT_FAILED

```
public static final int DATABASE_CONNECT_FAILED
    "Unable to connect to database."
```

ROLE_EMPTY

```
public static final int ROLE_EMPTY
    "The role {0} is empty."
```

REFERENCE_MISSING

```
public static final int REFERENCE_MISSING
    "Fixup error: missing reference {0}."
```

INTERVAL_UNIT_INVALID

```
public static final int INTERVAL_UNIT_INVALID
    "Invalid interval unit: {0}."
```

ILLEGAL_CONVERSION

```
public static final int ILLEGAL_CONVERSION
    "Illegal variable value assigning: try to assign variable "{0}" of
    type {1} with value type {2}."
```

WORKFLOW_INACTIVE

```
public static final int WORKFLOW_INACTIVE
    "Cannot instantiate a workflow, because the template definition is
    inactive."
```

TARGET_TASK_NOT_FOUND

```
public static final int TARGET_TASK_NOT_FOUND
    "The system could not find the target task {0}."
```

TARGET_EVENT_NOT_FOUND

```
public static final int TARGET_EVENT_NOT_FOUND
    "The system could not find the target event {0}."
```

TARGET_ACTION_NOT_FOUND

```
public static final int TARGET_ACTION_NOT_FOUND
    "The system could not find the target action {0}."
```

BUSINESS_OP_NOT_FOUND

```
public static final int BUSINESS_OP_NOT_FOUND
    "The system could not find the specified business operation {0}."
```

PROGRAM_CALL_FAILED

```
public static final int PROGRAM_CALL_FAILED
    "Error calling program: {0} with arguments {1}."
```

USER_EMAIL_ID_UNDEFINED

```
public static final int USER_EMAIL_ID_UNDEFINED
    "User {0} does not have an email address."
```

ROLE_USER_EMAIL_ID_UNDEFINED

```
public static final int ROLE_USER_EMAIL_ID_UNDEFINED
    "User {0} in role {1} does not have an email address."
```

ROUTING_TABLE_FAILED

```
public static final int ROUTING_TABLE_FAILED
    "Routing table failed to identify suitable assignee."
```

USER_ORG_UNDEFINED

```
public static final int USER_ORG_UNDEFINED
    "No workflow organization defined for user {0}."
```

WRONG_START_DATE_EXPRESSION

```
public static final int WRONG_START_DATE_EXPRESSION
    "Wrong timed start date expression in start node: {0}.\n{1}."
```

ERROR_HANDLER_NOT_FOUND

```
public static final int ERROR_HANDLER_NOT_FOUND
    "The system could not find the error handler {0}."
```

ERROR_HANDLER_EXCEPTION

```
public static final int ERROR_HANDLER_EXCEPTION
    "An exception occurred during error handler processing."
```

ERROR_HANDLER_RETRIES_EXCEEDED

```
public static final int ERROR_HANDLER_RETRIES_EXCEEDED
    "An error handler exceeded the maximum number of retries allowed."
```

ERROR_HANDLER_CUSTOM_ERROR

```
public static final int ERROR_HANDLER_CUSTOM_ERROR
    "The application or workflow instance invoked an error handler."
```

WORKFLOW_INSTANCE_NOT_FOUND

```
public static final int WORKFLOW_INSTANCE_NOT_FOUND
    "The system could not find the specified workflow instance: {0}."
```

XML_PARSE_FAILED

```
public static final int XML_PARSE_FAILED
    "An error occurred when parsing an XML document."
```

XML_VERSION_MISMATCH

```
public static final int XML_VERSION_MISMATCH
    "The definition was created with a later of version of the
    product. Upgrade your Studio to version {0} or later."
```

BUS_OP_JNDI_NAME_NOT_FOUND

```
public static final int BUS_OP_JNDI_NAME_NOT_FOUND
    "The server could not find an EJB deployed with JNDI name {0}."
```

BUS_OP_CLASS_NAME_NOT_FOUND

```
public static final int BUS_OP_CLASS_NAME_NOT_FOUND
    "The server could not find the Java class {0}."
```

INVOCATION_OBJECT_NOT_FOUND

```
public static final int INVOCATION_OBJECT_NOT_FOUND
    "The server could not find the invocation object for a business
    operation."
```

UTF_DATA_FORMAT_EXCEPTION

```
public static final int UTF_DATA_FORMAT_EXCEPTION
    "The system cannot read the template definition.\n\ Upgrading the
    server to run on a JDK1.3 Java VM may cure the problem."
```

BUS_OP_NO_INSTANCE_VARIABLE

```
public static final int BUS_OP_NO_INSTANCE_VARIABLE
    "Empty instance object for business operation {0} in template
    {1}."
```

BUS_OP_METHOD_FAILED

```
public static final int BUS_OP_METHOD_FAILED
    "Empty instance object for business operation {0} in template
    {1}."
```

PLUGIN_ERROR

```
public static final int PLUGIN_ERROR
    "Error in plugin {0}: {1}"
```

PLUGIN_NOT_LOADED

```
public static final int PLUGIN_NOT_LOADED
    "A required plugin {0} is not loaded."
```

PLUGIN_NOT_FOUND

```
public static final int PLUGIN_NOT_FOUND
    "The system could not find the plugin "{1}""."
```

PLUGIN_FRAMEWORK_VERSION

```
public static final int PLUGIN_FRAMEWORK_VERSION
    "The plugin {0} requires plugin framework version {1} or later."
```

PLUGIN_DEPENDENCY_ERROR

```
public static final int PLUGIN_DEPENDENCY_ERROR
    "The system could not load plugin {0} because the plugin {1}, on
    which it depends, is missing or failed to initialize."
```

PLUGIN_INVALID_ACTION

```
public static final int PLUGIN_INVALID_ACTION
    Plugin {0} provided an action or category {1} with an invalid
    parentSystemID: {2}."
```

PLUGIN_DEPENDENCY_CIRCULAR

```
public static final int PLUGIN_DEPENDENCY_CIRCULAR
    "The system detected a circular dependency while attempting to
    load plugin {0}."
```

FAILED_CONVERSION

```
public static final int FAILED_CONVERSION
    "Failed to assign variable {0}."
```

EVAL_SYNTAX_ERROR

```
public static final int EVAL_SYNTAX_ERROR
    "Syntax error: {0}."
```

EVAL_INVALID_OPERAND

```
public static final int EVAL_INVALID_OPERAND
    "Invalid {0} operand: {1}."
```

EVAL_INVALID_OPERANDS

```
public static final int EVAL_INVALID_OPERANDS
    "Invalid {0} operands: {1}, {2}."
```

EVAL_MISMATCHED_OPERANDS

```
public static final int EVAL_MISMATCHED_OPERANDS
    "Mismatched comparison operands: {0}, {1}."
```

EVAL_INTERNAL_CONSISTENCY_ERROR

```
public static final int EVAL_INTERNAL_CONSISTENCY_ERROR
    "Internal consistency error in evaluator: {0}."
```

EVAL_FIELD_EVAL_UNSUPPORTED

```
public static final int EVAL_FIELD_EVAL_UNSUPPORTED
    "Field evaluation is not supported in this context."
```

EVAL_FIELD_REF_ILLEGAL

```
public static final int EVAL_FIELD_REF_ILLEGAL
    "Field reference {0} is not allowed in this context."
```

EVAL_VARIABLE_REF_ILLEGAL

```
public static final int EVAL_VARIABLE_REF_ILLEGAL
    "Variable reference {0} is not allowed in this context."
```

EVAL_FN_UNRECOGNIZED

```
public static final int EVAL_FN_UNRECOGNIZED
    "Unrecognized function name: {0}."
```

EVAL_FN_ARG_COUNT

```
public static final int EVAL_FN_ARG_COUNT
    "Wrong number of arguments to {0} function (requires {1})."
```

EVAL_FN_ARG_COUNT_R

```
public static final int EVAL_FN_ARG_COUNT_R
    "Wrong number of arguments to {0} function (requires between {1}
    and {2})."
```

EVAL_XML_DOC_REQD

```
public static final int EVAL_XML_DOC_REQD
    "The XPath function requires an XML document."
```

EVAL_UNHANDLED_XOBJECT

```
public static final int EVAL_UNHANDLED_XOBJECT
    "XPath expression returned an unhandled XObject type: {0}."
```

EVAL_XPATH_ERROR

```
public static final int EVAL_XPATH_ERROR
    "Error evaluating XPath expression."
```

EVAL_EVENT_DATA_INVALID

```
public static final int EVAL_EVENT_DATA_INVALID
    "The event data is null or in an invalid format."
```

EVAL_XML_ELEM_NOT_FOUND

```
public static final int EVAL_XML_ELEM_NOT_FOUND
    "The XML document does not contain the required element: {0}."
```

EVAL_ERROR

```
public static final int EVAL_ERROR
    "Evaluator error: {0}."
```

EVAL_ENDCOMMENT

```
public static final int EVAL_ENDCOMMENT
    "Unmatched end-of-comment punctuation."
```

EVAL_STARTCOMMENT

```
public static final int EVAL_STARTCOMMENT
    "Unmatched start-of-comment punctuation."
```

EVAL_UNCLOSEDSTR

```
public static final int EVAL_UNCLOSEDSTR
    "Unclosed string: {0}."
```

EVAL_UNMATCHED

```
public static final int EVAL_UNMATCHED
    "Illegal character: &apos;{0}&apos; at line {1}."
```

EVAL_ASSERT

```
public static final int EVAL_ASSERT
    "Assertion failed."
```

EVAL_INCOMPLETE_ESCAPE

```
public static final int EVAL_INCOMPLETE_ESCAPE
    "Incomplete escape sequence: \\.."
```

EVAL_INVALID_ESCAPE

```
public static final int EVAL_INVALID_ESCAPE
    "Invalid escape sequence: \\{0}."
```

EVAL_FIELD_QUAL_UNSUPP

```
public static final int EVAL_FIELD_QUAL_UNSUPP
    "The plugin does not support field qualifiers: {0}."
```

EVAL_FN_EVAL_UNSUPPORTED

```
public static final int EVAL_FN_EVAL_UNSUPPORTED
    "Function evaluation is not supported in this context."
```

WORKFLOW_OBJECT_PUBLISHED

```
public static final int WORKFLOW_OBJECT_PUBLISHED
    "This {0} is part of a published package and cannot be modified."
```

PLUGIN_INFO_NOT_FOUND

```
public static final int PLUGIN_INFO_NOT_FOUND
    "The {0} plugin does not define a {1} object with an ID of {2}."
```

INVALID_OBJECT_TYPE

```
public static final int INVALID_OBJECT_TYPE
    "The list contains an object that is not a {0} object."/
```

PERM_GROUP_MISSING

```
public static final int PERM_GROUP_MISSING
    "A WLPI permission group is missing."
```

ROLE_NOT_MAPPED

```
public static final int ROLE_NOT_MAPPED
    "The Process Integrator role {0} is not mapped to a WebLogic
    Server security group."
```

CHECKSUM_FAILURE

```
public static final int CHECKSUM_FAILURE
    "The file you are importing from has an invalid checksum.\n Import
    failed."
```

PASSWORD_FAILURE

```
public static final int PASSWORD_FAILURE
    "Wrong password.;"
```

CREDENTIAL_INFO_SET

```
public static final int CREDENTIAL_INFO_SET
    "{0} is already set. \n Credentials can be set only once per
package.;
```

CANNOT_DELETE_SYSTEM_USER

```
public static final int CANNOT_DELETE_SYSTEM_USER
    "Cannot delete system user {0}."
```

SENDING_EMAIL_FAILED

```
public static final int SENDING_EMAIL_FAILED
    "Sending email failed."
```

VARIABLE_EXISTS_AS_ANOTHER_TYPE

```
public static final int VARIABLE_EXISTS_AS_ANOTHER_TYPE
    "The specified variable name "{0}" is already defined as type
"{1}"/>.
```

CANNOT_MAP_GROUP

```
public static final int CANNOT_MAP_GROUP
    "Cannot map the role "{0}" to the system group "{1}"/>.
```

MAPPING_NOT_NULL

```
public static final int MAPPING_NOT_NULL
    "Cannot map a role to a blank group."
```

NO_EJB_FOR_HANDLE

```
public static final int NO_EJB_FOR_HANDLE
    "Cannot dereference Handle to EJB for BO parameter"
```

IMPORTED_REPORT

```
public static final int IMPORTED_REPORT
    "The following components were imported:"
```

UNRESOLVED_REPORT

```
public static final int UNRESOLVED_REPORT
    "The following references could not be resolved:"
```

NONACTIVATED_REPORT

```
public static final int NONACTIVATED_REPORT
    "The following template definitions cannot be activated due to
    unresolved references:"
```

TEMPLATE

```
public static final int TEMPLATE
    "Template"
```

TEMPLATE_DEFINITION

```
public static final int TEMPLATE_DEFINITION
    "Template Definition"
```

BUSINESS_OPERATION

```
public static final int BUSINESS_OPERATION  
    "Business Operation"
```

BUSINESS_CALENDAR

```
public static final int BUSINESS_CALENDAR  
    "Business Calendar"
```

USER

```
public static final int USER  
    "User"
```

ROLE

```
public static final int ROLE  
    "Role"
```

ORG

```
public static final int ORG  
    "Organization"
```

XML_REPOSITORY_FOLDER

```
public static final int XML_REPOSITORY_FOLDER  
    "XML Repository Folder"
```

XML_REPOSITORY_ENTITY

```
public static final int XML_REPOSITORY_ENTITY
    "XML Repository Entity"
```

EVENT_KEY

```
public static final int EVENT_KEY
    "Event Key"
```

UNKNOWN_OBJECT

```
public static final int UNKNOWN_OBJECT
    "Object"
```

IMPORT_SUMMARY

```
public static final int IMPORT_SUMMARY
    "Finished import from file \"{0}\""
```

IMPORTED_OBJECT

```
public static final int IMPORTED_OBJECT
    "{0} : {1}"
```

UNRESOLVED_OBJECT

```
public static final int UNRESOLVED_OBJECT
    "{0} : {1} referenced by {2}"
```

FILE_NOT_FOUND

```
public static final int FILE_NOT_FOUND
```

CANNOT_CREATE_BUSINESS_OPERATION

```
public static final int CANNOT_CREATE_BUSINESS_OPERATION  
    "Cannot create the business operation, because the name \"{0}\"  
    already exists."
```

CANNOT_UPDATE_BUSINESS_OPERATION

```
public static final int CANNOT_UPDATE_BUSINESS_OPERATION  
    "Cannot update the business operation, because the name \"{0}\"  
    already exists."
```

DEFAULT_DATE_FORMAT

```
public static final int DEFAULT_DATE_FORMAT  
    "MM/dd/yyyy hh:mm:ss AM|PM GMT[+|-]hh[[:]mm]"
```

DATE_FORMAT_ERROR

```
public static final int DATE_FORMAT_ERROR  
    "Cannot parse the string as a Date value, \nthe value \"{0}\" should  
    follow \nthe format "MM/dd/yyyy hh:mm:ss AM|PM  
    GMT[+|-]hh[[:]mm]". "
```

TEMPLATEDEFINITION_NOT_PUBLISHED

```
public static final int TEMPLATEDEFINITION_NOT_PUBLISHED  
    "Cannot add a nonpublished template definition to a published  
    template."
```

TEMPLATE_NOT_PUBLISHED

```
public static final int TEMPLATE_NOT_PUBLISHED
    "Cannot add a published template definition to a nonpublished
    template."
```

PUBLISHED_MISMATCH_REPORT

```
public static final int PUBLISHED_MISMATCH_REPORT
    "The following template definintions cannot be imported\ndue to
    published status mismatch with their templates:"
```

DATE_CONFLICT_REPORT

```
public static final int DATE_CONFLICT_REPORT
    ""The following template definintions cannot be activated because
    an\nactive template definition with the same effective date
    already exists.
```

OBJECT_PUBLISHED_MISMATCH_REPORT

```
public static final int OBJECT_PUBLISHED_MISMATCH_REPORT
    "Cannot overwrite a published object with an unpublished one or
    vice-versa."
```

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Interface Publishable

All Known Implementing Classes:

[ClassInvocationDescriptor](#), [TemplateInfo](#), [XMLEntityInfoHelper](#), [EventKeyInfo](#),
[EJBInvocationDescriptor](#), [UserInfo](#), [BusinessCalendarInfo](#), [RoleInfo](#), [TemplateDefinitionInfo](#),
[RepositoryFolderInfoHelper](#), [OrganizationInfo](#)

public interface **Publishable**

Describes objects that can be included in a workflow application package.

Since:

WebLogic Process Integrator 2.0

Field Summary

static int	BUSINESS_CALENDAR
static int	BUSINESS_OPERATION
static int	EVENT_KEY
static int	ORG
static int	ROLE
static int	TEMPLATE
static int	TEMPLATE_DEFINITION
static int	USER
static int	XML_REPOSITORY_ENTITY

static int	XML_REPOSITORY_FOLDER
------------	---------------------------------------

Method Summary

java.lang.Object	getContents() Return the publishable content.
java.lang.String	getEntryName() Return the display name for the publishable object.
java.lang.String	getOwnerName() Return the name of the object's owner.
int	getType() Return the type of publishable object.
boolean	isPublished() Returns whether the object is published.

Field Detail

TEMPLATE

```
public static final int TEMPLATE
```

TEMPLATE_DEFINITION

```
public static final int TEMPLATE_DEFINITION
```

BUSINESS_OPERATION

```
public static final int BUSINESS_OPERATION
```

BUSINESS_CALENDAR

```
public static final int BUSINESS_CALENDAR
```

USER

```
public static final int USER
```

ROLE

```
public static final int ROLE
```

ORG

```
public static final int ORG
```

XML_REPOSITORY_FOLDER

```
public static final int XML_REPOSITORY_FOLDER
```

XML_REPOSITORY_ENTITY

```
public static final int XML_REPOSITORY_ENTITY
```

EVENT_KEY

```
public static final int EVENT_KEY
```

Method Detail

getContents

```
public java.lang.Object getContents()
```

Return the publishable content.

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Return the display name for the publishable object.

Returns:

Display name.

getType

```
public int getType()
```

Return the type of publishable object.

Returns:

Publishable object type: [TEMPLATE](#), [TEMPLATE_DEFINITION](#), [BUSINESS_OPERATION](#), [BUSINESS_CALENDAR](#), [USER](#), [ROLE](#), [ORG](#), [XML_REPOSITORY_FOLDER](#), [XML_REPOSITORY_ENTITY](#), [EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Return the name of the object's owner.

Returns:

The object's owner, if any.

isPublished

```
public boolean isPublished()
```

Returns whether the object is published. Published objects cannot be modified.

Returns:

true if the object is published.

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Interface WLPIConstants

public interface **WLPIConstants**

Defines constants used by both clients and server.

Since:

WebLogic Process Integrator 2.0

Field Summary

static java.lang.String	JMS_ACTION_ASSIGNED JMS property value to indicate that the source task was assigned.
static java.lang.String	JMS_ACTION_REMOVED JMS property value to indicate that the source was deleted.
static java.lang.String	JMS_ACTION_UPDATED JMS property value to indicate that the source was updated.
static int	JMS_EVENT_CREATED JMS property value to indicate that the source was created.
static int	JMS_EVENT_DELETED JMS property value to indicate that the source was deleted.
static int	JMS_EVENT_LOADED JMS property value to indicate that the source was loaded.
static int	JMS_EVENT_POSTED JMS property value to indicate that the source was posted for deferred execution.
static int	JMS_EVENT_UNLOADED JMS property value to indicate that the source was unloaded.
static int	JMS_EVENT_UPDATED JMS property value to indicate that the source was updated.
static java.lang.String	JMS_PROP_ACTION JMS string property to indicate the type of update.

<code>static java.lang.String</code>	<u>JMS_PROP_ASSIGNEE</u> JMS string property to indicate the associated task assignee.
<code>static java.lang.String</code>	<u>JMS_PROP_EVENT</u> JMS int property to indicate the type of update.
<code>static java.lang.String</code>	<u>JMS_PROP_ORG</u> JMS string property to indicate the associated organization.
<code>static java.lang.String</code>	<u>JMS_PROP_ROLE</u> JMS boolean property to indicate whether the assignee is a role.
<code>static java.lang.String</code>	<u>JMS_PROP_SENDER</u> JMS string property to indicate the sender of a notification.
<code>static java.lang.String</code>	<u>JMS_PROP_SOURCE</u> JMS int property to indicate the source of a notification.
<code>static int</code>	<u>JMS_SOURCE_PLUGIN</u> JMS property value to indicate a plugin notification.
<code>static int</code>	<u>JMS_SOURCE_RUNNABLE</u> JMS property value to indicate a postponed runnable object.
<code>static int</code>	<u>JMS_SOURCE_WORKLIST</u> JMS property value to indicate a worklist notification.

Field Detail

JMS_PROP_SENDER

```
public static final java.lang.String JMS_PROP_SENDER
```

JMS string property to indicate the sender of a notification. It contains the IP address of the server that sent the message.

JMS_PROP_SOURCE

```
public static final java.lang.String JMS_PROP_SOURCE
```

JMS int property to indicate the source of a notification.

See Also:

[JMS_SOURCE_WORKLIST](#), [JMS_SOURCE_PLUGIN](#)

JMS_PROP_ACTION

```
public static final java.lang.String JMS_PROP_ACTION
```

JMS string property to indicate the type of update. Present for backwards compatibility with previous versions.

See Also:

[JMS_ACTION_UPDATED](#), [JMS_ACTION_REMOVED](#), [JMS_ACTION_ASSIGNED](#)

JMS_PROP_EVENT

```
public static final java.lang.String JMS_PROP_EVENT
```

JMS int property to indicate the type of update.

See Also:

[JMS_EVENT_CREATED](#), [JMS_EVENT_UPDATED](#), [JMS_EVENT_DELETED](#),
[JMS_EVENT_LOADED](#), [JMS_EVENT_UNLOADED](#)

JMS_PROP_ORG

```
public static final java.lang.String JMS_PROP_ORG
```

JMS string property to indicate the associated organization.

JMS_PROP_ASSIGNEE

```
public static final java.lang.String JMS_PROP_ASSIGNEE
```

JMS string property to indicate the associated task assignee.

JMS_PROP_ROLE

```
public static final java.lang.String JMS_PROP_ROLE
```

JMS boolean property to indicate whether the assignee is a role.

JMS_SOURCE_WORKLIST

```
public static final int JMS_SOURCE_WORKLIST
```

JMS property value to indicate a worklist notification.

See Also:

[JMS_PROP_SOURCE](#), [JMS_ACTION_UPDATED](#), [JMS_ACTION_REMOVED](#),
[JMS_ACTION_ASSIGNED](#)

JMS_SOURCE_RUNNABLE

```
public static final int JMS_SOURCE_RUNNABLE
```

JMS property value to indicate a postponed runnable object.

See Also:

[JMS_PROP_SOURCE](#)

JMS_SOURCE_PLUGIN

```
public static final int JMS_SOURCE_PLUGIN
```

JMS property value to indicate a plugin notification.

See Also:

[JMS_PROP_SOURCE](#), [JMS_EVENT_LOADED](#), [JMS_EVENT_UNLOADED](#),
[JMS_EVENT_UPDATED](#)

JMS_ACTION_UPDATED

```
public static final java.lang.String JMS_ACTION_UPDATED
```

JMS property value to indicate that the source was updated. This is a string property for backwards compatibility with previous releases. (Applies to worklist/task notifications only.)

See Also:

[JMS_PROP_ACTION](#)

JMS_ACTION_REMOVED

```
public static final java.lang.String JMS_ACTION_REMOVED
```

JMS property value to indicate that the source was deleted. This is a string property for backwards compatibility with previous releases. (Applies to worklist/task notifications only.)

See Also:

[JMS_PROP_ACTION](#)

JMS_ACTION_ASSIGNED

```
public static final java.lang.String JMS_ACTION_ASSIGNED
```

JMS property value to indicate that the source task was assigned. This is a string property for backwards compatibility with previous releases. (Applies to worklist/task notifications only.)

See Also:

[JMS_PROP_ACTION](#)

JMS_EVENT_CREATED

```
public static final int JMS_EVENT_CREATED
```

JMS property value to indicate that the source was created.

See Also:

[JMS_PROP_EVENT](#)

JMS_EVENT_UPDATED

```
public static final int JMS_EVENT_UPDATED
```

JMS property value to indicate that the source was updated.

See Also:

[JMS_PROP_EVENT](#)

JMS_EVENT_DELETED

```
public static final int JMS_EVENT_DELETED
```

JMS property value to indicate that the source was deleted.

See Also:

[JMS_PROP_EVENT](#)

JMS_EVENT_LOADED

public static final int **JMS_EVENT_LOADED**

JMS property value to indicate that the source was loaded.

See Also:

[JMS_PROP_EVENT](#)

JMS_EVENT_UNLOADED

public static final int **JMS_EVENT_UNLOADED**

JMS property value to indicate that the source was unloaded.

See Also:

[JMS_PROP_EVENT](#)

JMS_EVENT_POSTED

public static final int **JMS_EVENT_POSTED**

JMS property value to indicate that the source was posted for deferred execution.

See Also:

[JMS_PROP_EVENT](#)

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Class ClassInvocationDescriptor

java.lang.Object

|

+--com.bea.wlpi.common.ClassInvocationDescriptor

All Implemented Interfaces:

[Publishable](#), java.io.Serializablepublic class **ClassInvocationDescriptor**

extends java.lang.Object

implements java.io.Serializable, [Publishable](#)

Describes and implements the invocation of a method in an arbitrary Java class. It is used to pass information on server-side classes to the client (where the class in question may not be accessible), and to instantiate such an object in the server and invoke a method thereon.

See Also:

[ClassDescriptor](#), [EJBDescriptor](#), [EJBInvocationDescriptor](#), [Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS_CALENDAR](#), [BUSINESS_OPERATION](#), [EVENT_KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE_DEFINITION](#), [USER](#), [XML_REPOSITORY_ENTITY](#),
[XML_REPOSITORY_FOLDER](#)

Constructor Summary

[ClassInvocationDescriptor](#)(java.lang.String description,
java.lang.String className, [MethodDescriptor](#) constructorDescriptor,
java.lang.String[] constructorParmDescriptions,
[MethodDescriptor](#) methodDescriptor,
java.lang.String[] methodParmDescriptions)
Create a new class invocation descriptor object.

[ClassInvocationDescriptor](#)(java.lang.String description,
java.lang.String className, [MethodDescriptor](#) constructorDescriptor,
java.lang.String[] constructorParmDescriptions,
[MethodDescriptor](#) methodDescriptor,
java.lang.String[] methodParmDescriptions, boolean published)
Create a new class invocation descriptor object.

Method Summary

<code>java.lang.Object</code>	clone () Clone a <code>ClassInvocationDescriptor</code> instance.
<code>java.lang.String</code>	getClassName () Return the fully qualified Java class name.
<code>MethodDescriptor</code>	getConstructor () Return meta-data for constructor to invoke.
<code>java.lang.String[]</code>	getConstructorParmsDescriptions () Return constructor parameter descriptions.
<code>java.lang.Object</code>	getContents () Return the publishable content.
<code>java.lang.String</code>	getDescription () Return a human-readable description of the method invocation.
<code>java.lang.String</code>	getEntryName () Return the display name for the publishable object.
<code>java.lang.String</code>	getId () Return the system-assigned unique identifier.
<code>MethodDescriptor</code>	getMethod () Return meta-data for method to invoke.
<code>java.lang.String[]</code>	getMethodParmsDescriptions () Return method parameter descriptions.
<code>java.lang.String</code>	getOwnerName () Return the name of the object's owner.
<code>int</code>	getType () Return the type of publishable object.
<code>java.lang.Object</code>	invoke (<code>java.lang.Object[]</code> constructorParameters, <code>java.lang.Object[]</code> methodParameters) Create an instance of the Java class; then, invoke a method on it.
<code>java.lang.Object</code>	invokeConstructor (<code>java.lang.Object[]</code> constructorParameters) Create an instance of the Java class.
<code>java.lang.Object</code>	invokeMethod (<code>java.lang.Object</code> obj, <code>java.lang.Object[]</code> methodParameters) Invoke the method specified by this descriptor on an object.
<code>boolean</code>	isPublished () Returns whether the object is published.
<code>void</code>	set (<code>java.lang.String</code> description, <code>java.lang.String</code> className, <code>MethodDescriptor</code> constructorDescriptor, <code>java.lang.String[]</code> constructorParmDescriptions, <code>MethodDescriptor</code> methodDescriptor, <code>java.lang.String[]</code> methodParmDescriptions) Update a class invocation descriptor.

void	set (java.lang.String description, java.lang.String className, MethodDescriptor constructorDescriptor, java.lang.String[] constructorParmDescriptions, MethodDescriptor methodDescriptor, java.lang.String[] methodParmDescriptions, boolean published) Update a class invocation descriptor.
void	setId (java.lang.String id) Set the unique identifier.
void	setPublished ()

Methods inherited from class java.lang.Object
equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

ClassInvocationDescriptor

```
public ClassInvocationDescriptor(java.lang.String description,  

java.lang.String className,  

MethodDescriptor constructorDescriptor,  

java.lang.String[] constructorParmDescriptions,  

MethodDescriptor methodDescriptor,  

java.lang.String[] methodParmDescriptions)
```

Create a new class invocation descriptor object.

Parameters:

- description - Human-readable description of the method invocation.
- className - Fully qualified Java class name.
- constructorDescriptor - Meta-data for constructor to invoke.
- constructorParmDescriptions - Constructor parameter descriptions.
- methodDescriptor - Meta-data for method to invoke.
- methodParmDescriptions - Method parameter descriptions.

ClassInvocationDescriptor

```
public ClassInvocationDescriptor(java.lang.String description,  

java.lang.String className,  

MethodDescriptor constructorDescriptor,  

java.lang.String[] constructorParmDescriptions,  

MethodDescriptor methodDescriptor,
```

```
java.lang.String[] methodParmDescriptions,  
boolean published)
```

Create a new class invocation descriptor object.

Parameters:

`description` - Human-readable description of the method invocation.
`className` - Fully qualified Java class name.
`constructorDescriptor` - Meta-data for constructor to invoke.
`constructorParmDescriptions` - Constructor parameter descriptions.
`methodDescriptor` - Meta-data for method to invoke.
`methodParmDescriptions` - Method parameter descriptions.
`published` -

Since:

WebLogic Process Integrator 2.0

Method Detail

set

```
public void set(java.lang.String description,  
                java.lang.String className,  
                MethodDescriptor constructorDescriptor,  
                java.lang.String[] constructorParmDescriptions,  
                MethodDescriptor methodDescriptor,  
                java.lang.String[] methodParmDescriptions)
```

Update a class invocation descriptor.

Parameters:

`description` - Human-readable description of the method invocation.
`className` - Fully qualified Java class name.
`constructorDescriptor` - Meta-data for constructor to invoke.
`constructorParmDescriptions` - Constructor parameter descriptions.
`methodDescriptor` - Meta-data for method to invoke.
`methodParmDescriptions` - Method parameter descriptions.

set

```
public void set(java.lang.String description,  
                java.lang.String className,  
                MethodDescriptor constructorDescriptor,  
                java.lang.String[] constructorParmDescriptions,  
                MethodDescriptor methodDescriptor,  
                java.lang.String[] methodParmDescriptions,  
                boolean published)
```

Update a class invocation descriptor.

Parameters:

`description` - Human-readable description of the method invocation.

`className` - Fully qualified Java class name.

`constructorDescriptor` - Meta-data for constructor to invoke.

`constructorParmDescriptions` - Constructor parameter descriptions.

`methodDescriptor` - Meta-data for method to invoke.

`methodParmDescriptions` - Method parameter descriptions.

`published` -

Since:

WebLogic Process Integrator 2.0

clone

```
public java.lang.Object clone()
```

Clone a `ClassInvocationDescriptor` instance.

Overrides:

`clone` in class `java.lang.Object`

Returns:

a clone instance of `ClassInvocationDescriptor`.

Since:

WebLogic Process Integrator 2.0

getId

```
public final java.lang.String getId()
```

Return the system-assigned unique identifier.

Returns:

The system-assigned unique identifier.

See Also:

[setId\(java.lang.String\)](#)

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Since:

WebLogic Process Integrator 2.0

setId

```
public void setId(java.lang.String id)
```

Set the unique identifier.

Parameters:

id - The unique identifier.

See Also:

[getId\(\)](#)

getClassName

```
public final java.lang.String getClassName()
```

Return the fully qualified Java class name.

Returns:

The fully qualified Java class name.

getDescription

```
public final java.lang.String getDescription()
```

Return a human-readable description of the method invocation.

Returns:

Human-readable description of the method invocation.

getMethod

```
public final MethodDescriptor getMethod()
```

Return meta-data for method to invoke.

Returns:

Meta-data for method to invoke.

getConstructor

```
public final MethodDescriptor getConstructor()
```

Return meta-data for constructor to invoke.

Returns:

Meta-data for constructor to invoke.

getConstructorParmsDescriptions

```
public final java.lang.String[] getConstructorParmsDescriptions()
```

Return constructor parameter descriptions.

Returns:

Constructor parameter descriptions.

getMethodParmsDescriptions

```
public final java.lang.String[] getMethodParmsDescriptions()
```

Return method parameter descriptions.

Returns:

Method parameter descriptions.

invoke

```
public java.lang.Object invoke(java.lang.Object[] constructorParameters,  
                                java.lang.Object[] methodParameters)  
    throws WorkflowException
```

Create an instance of the Java class; then, invoke a method on it. Parameter and return types match those declared for the constructor and method, respectively, and primitive Java types are wrapped in a corresponding `java.lang.*` object (e.g., `int` is passed using a `java.lang.Integer` object, `long` using a `java.lang.Long`, etc.).

Parameters:

`constructorParameters` - Actual constructor parameter values.

`methodParameters` - Actual method parameter values.

Returns:

The value returned by the invoked method.

Throws:

[WorkflowException](#) - if the specified class cannot be loaded, or if the actual constructor or method parameters do not match those specified in this descriptor in number and type, or if any parameter class cannot be loaded, or if the specified constructor or method cannot be found, or if the constructor call fails, or if any of the parameters are not instances of the corresponding classes (or subclasses thereof) specified by this descriptor, or if the invoked method throws an exception.

See Also:

[invokeConstructor\(java.lang.Object\[\]\)](#), [invokeMethod\(java.lang.Object, java.lang.Object\[\]\)](#)

invokeConstructor

```
public java.lang.Object invokeConstructor(java.lang.Object[] constructorParameters)  
    throws WorkflowException
```

Create an instance of the Java class. Parameter types match those declared for the constructor, and primitive Java

types are wrapped in a corresponding `java.lang.*` object (e.g., `int` is passed using a `java.lang.Integer` object, `long` using a `java.lang.Long`, etc.).

Parameters:

`constructorParameters` - Actual constructor parameter values.

Returns:

An instance of the class specified by this descriptor.

Throws:

[WorkflowException](#) - if the specified class cannot be loaded, or if the actual constructor parameters do not match those specified in this descriptor in number and type, or if any parameter classes cannot be loaded, or if the specified constructor cannot be found, or if the constructor call fails.

See Also:

[invoke\(java.lang.Object\[\], java.lang.Object\[\]\)](#),
[invokeMethod\(java.lang.Object, java.lang.Object\[\]\)](#)

invokeMethod

```
public java.lang.Object invokeMethod(java.lang.Object obj,  
                                       java.lang.Object[] methodParameters)  
    throws WorkflowException
```

Invoke the method specified by this descriptor on an object. Parameter and return types match those declared for the method, and primitive Java types are wrapped in a corresponding `java.lang.*` object (e.g., `int` is passed using a `java.lang.Integer` object, `long` using a `java.lang.Long`, etc.).

Parameters:

`obj` - An instance of the class specified by this descriptor object, on which the specified method is to be invoked.

`methodParameters` - Actual method parameter values.

Returns:

The value returned by the invoked method.

Throws:

[WorkflowException](#) - if the specified class cannot be loaded, or if the actual method parameters do not match those specified in this descriptor in number and type, or if any parameter classes cannot be loaded, or if the specified method cannot be found, or if the supplied object or any of the parameters are not instances of the corresponding classes (or subclasses thereof) specified by this descriptor, or if the invoked method throws an exception.

See Also:

[invoke\(java.lang.Object\[\], java.lang.Object\[\]\)](#),
[invokeConstructor\(java.lang.Object\[\]\)](#)

setPublished

```
public void setPublished()
```

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#), [Publishable.TEMPLATE_DEFINITION](#), [Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#), [Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#), [Publishable.XML_REPOSITORY_FOLDER](#), [Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```


Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

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[PREV CLASS](#) [NEXT CLASS](#)

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common

Class ClassDescriptor



All Implemented Interfaces:

java.io.Serializable

public class **ClassDescriptor**

extends java.lang.Object

implements java.io.Serializable

Describes a server-side Java class. It is used to pass information on server-side classes to the client (where the class in question may not be accessible).

See Also:

[ClassInvocationDescriptor](#), [EJBDescriptor](#), [EJBInvocationDescriptor](#), [Serialized Form](#)

Constructor Summary

[ClassDescriptor](#)(java.lang.Class javaClass)
Create a new class descriptor object.

Method Summary

MethodDescriptor []	getConstructorDescriptors () Return information about the class's constructors.
MethodDescriptor []	getMethodDescriptors () Return information about the class's methods.
int	getModifiers () Returns an int representing the modifiers for this class.
boolean	isSerializable () Returns a boolean indicating if this class can be serialized.

java.lang.String [toString](#)()

Return a string representation of the descriptor object.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

ClassDescriptor

```
public ClassDescriptor(java.lang.Class javaClass)
    throws WorkflowException
```

Create a new class descriptor object.

Parameters:

javaClass - The Java class for which meta-data is required.

Method Detail

getMethodDescriptors

```
public final MethodDescriptor[] getMethodDescriptors()
```

Return information about the class's methods.

Returns:

An array of method descriptor objects describing the class's methods.

getConstructorDescriptors

```
public final MethodDescriptor[] getConstructorDescriptors()
```

Return information about the class's constructors.

Returns:

An array of method descriptor objects describing the class's constructors.

getModifiers

```
public final int getModifiers()
```

Returns an int representing the modifiers for this class.

isSerializable

```
public final boolean isSerializable()
```

Returns a boolean indicating if this class can be serialized.

toString

```
public java.lang.String toString()
```

Return a string representation of the descriptor object.

Overrides:

toString in class java.lang.Object

Returns:

A string representation of the object, listing all constructor and method names.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

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[PREV CLASS](#) [NEXT CLASS](#)

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common

Class BusinessCalendarInfo

java.lang.Object



All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializable

public final class **BusinessCalendarInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about a business calendar.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#), [TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#), [XML REPOSITORY FOLDER](#)

Constructor Summary

[BusinessCalendarInfo](#)(java.lang.String id, java.lang.String name, java.lang.String timezone, java.lang.String xml)
Create a new BusinessCalendarInfo object.

[BusinessCalendarInfo](#)(java.lang.String id, java.lang.String name, java.lang.String timezone, java.lang.String xml, boolean published)
Create a new BusinessCalendarInfo object.

Method Summary

int	<u>compareTo</u> (java.lang.Object o) Compare two BusinessCalendarInfo objects.
boolean	<u>equals</u> (java.lang.Object obj) Test two BusinessCalendarInfo objects for equality.
java.lang.Object	<u>getContents</u> () Return the publishable content.
java.lang.String	<u>getEntryName</u> () Return the display name for the publishable object.
java.lang.String	<u>getId</u> () Return the business calendar ID.
java.lang.String	<u>getName</u> () Return the business calendar display name.
java.lang.String	<u>getOwnerName</u> () Return the name of the object's owner.
java.lang.String	<u>getTimeZone</u> () Return the timezone in which the business calendar operates.
int	<u>getType</u> () Return the type of publishable object.
java.lang.String	<u>getXML</u> () Return the business calendar definition.
boolean	<u>isPublished</u> () Whether this business calendar is published.
void	<u>setId</u> (java.lang.String id) Set the business calendar unique ID.
void	<u>setName</u> (java.lang.String name) Set the business calendar name.
void	<u>setTimeZone</u> (java.lang.String timezone) Set the business calendar timezone.
void	<u>setXML</u> (java.lang.String xml) Set the business calendar definition.

Methods inherited from class java.lang.Object

```
clone, finalize, getClass, hashCode, notify, notifyAll, toString,
wait, wait, wait
```

Constructor Detail

BusinessCalendarInfo

```
public BusinessCalendarInfo( java.lang.String id,
                             java.lang.String name,
                             java.lang.String timezone,
                             java.lang.String xml)
```

Create a new BusinessCalendarInfo object.

Parameters:

id - The business calendar ID.

name - The business calendar name.

timezone - The timezone in which the business calendar operates.

xml - The business calendar definition (in XML format) compliant with the [business calendar](#) document type definition.

BusinessCalendarInfo

```
public BusinessCalendarInfo( java.lang.String id,
                             java.lang.String name,
                             java.lang.String timezone,
                             java.lang.String xml,
                             boolean published)
```

Create a new BusinessCalendarInfo object.

Parameters:

id - The business calendar ID.

name - The business calendar name.

timezone - The timezone in which the business calendar operates.

xml - The business calendar definition (in XML format) compliant with the [business calendar](#) document type definition.

published - true if the business calendar is published.

Since:

WebLogic Process Integrator 2.0

Method Detail

getId

```
public java.lang.String getId()
```

Return the business calendar ID.

Returns:

The business calendar ID.

See Also:

[setId\(java.lang.String\)](#)

getName

```
public java.lang.String getName()
```

Return the business calendar display name.

Returns:

The business calendar display name.

See Also:

[setName\(java.lang.String\)](#)

getTimeZone

```
public java.lang.String getTimeZone()
```

Return the timezone in which the business calendar operates.

Returns:

The timezone in which the business calendar operates.

See Also:

[setTimeZone\(java.lang.String\)](#)

getXML

```
public java.lang.String getXML()
```

Return the business calendar definition.

Returns:

The business calendar definition (in XML format) compliant with the [business calendar](#) document type definition.

See Also:

[setXML\(java.lang.String\)](#)

isPublished

```
public boolean isPublished()
```

Whether this business calendar is published.

Specified by:

[isPublished](#) in interface [Publishable](#)

Returns:

true if published.

Since:

WebLogic Process Integrator 2.0

setId

```
public void setId(java.lang.String id)
```

Set the business calendar unique ID.

Parameters:

id - The unique ID of the business calendar.

See Also:

[getId\(\)](#)

setName

```
public void setName(java.lang.String name)
```

Set the business calendar name.

Parameters:

name - Human-readable calendar name.

See Also:

[getName\(\)](#)

setTimeZone

```
public void setTimeZone(java.lang.String timezone)
```

Set the business calendar timezone.

Parameters:

timezone - The timezone in which the business calendar operates.

See Also:

[getTimeZone\(\)](#)

setXML

```
public void setXML(java.lang.String xml)
```

Set the business calendar definition.

Parameters:

xml - The business calendar definition (in XML format) compliant with the [business calendar](#) document type definition.

See Also:

[getXML\(\)](#)

equals

```
public boolean equals(java.lang.Object obj)
```

Test two BusinessCalendarInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of BusinessCalendarInfo with the same ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two BusinessCalendarInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of BusinessCalendarInfo.

Returns:

The result of comparing the name members using the String.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of BusinessCalendarInfo.

See Also:

[equals\(java.lang.Object\)](#)

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: com.bea.wlpi.common.Publishable

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

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Serialized Form

Package `com.bea.eci.repository.helper`

Class

[`com.bea.eci.repository.helper.RepositoryException`](#)

implements `Serializable`

Serialized Fields

`msgNum`

```
int msgNum
```

`args`

```
java.lang.Object[] args
```

Class

[`com.bea.eci.repository.helper.RepositoryFolderInfo`](#)

implements `Serializable`

Serialized Fields

`type`

```
java.lang.String type
```

The type of repository folder

`name`

```
java.lang.String name
```

Name of the repository folder

majorVer

int **majorVer**

Major version number of the repository folder

minorVer

int **minorVer**

Minor version of the repository folder

description

java.lang.String **description**

Description of the repository folder

notes

java.lang.String **notes**

Notes about the repository folder

createdOn

java.sql.Timestamp **createdOn**

Created date

lastModifiedOn

java.sql.Timestamp **lastModifiedOn**

Last modified on

**Class [com.bea.eci.repository.helper.XMLEntityInfo](#)
implements Serializable**

Serialized Fields

type

int **type**

The type of repository object

name

java.lang.String **name**

Name of the repository object

majorVer

int **majorVer**

Major version number of the repository object

minorVer

int **minorVer**

Minor version of the repository object

description

java.lang.String **description**

Description of the repository object

notes

java.lang.String **notes**

Notes about the repository object

createdOn

java.sql.Timestamp **createdOn**

Notes about the repository object

lastModifiedOn

java.sql.Timestamp **lastModifiedOn**

Notes about the repository object

content

byte[] **content**

Content of the repository object

Package com.bea.wlpi.client.common

Class [com.bea.wlpi.client.common.ColumnsDialog](#)
implements Serializable

Serialized Fields

all

javax.swing.table.TableColumnModel **all**

defaults

javax.swing.table.TableColumnModel **defaults**

displayed

javax.swing.table.TableColumnModel **displayed**

IAvailable

javax.swing.JList **IAvailable**

listModelAvailable

com.bea.wlpi.client.common.ColumnsDialog.ColumnListModel **listModelAvailable**

spAvailable

javax.swing.JScrollPane **spAvailable**

IDisplayed

javax.swing.JList **IDisplayed**

ListModelDisplayed

com.bea.wlpi.client.common.ColumnsDialog.ColumnListModel **ListModelDisplayed**

spDisplayed

javax.swing.JScrollPane **spDisplayed**

btnAdd

javax.swing.JButton **btnAdd**

btnRemove

javax.swing.JButton **btnRemove**

btnOkay

javax.swing.JButton **btnOkay**

**Class [com.bea.wlpi.client.common.ColumnsMenuItem](#)
implements Serializable**

Serialized Fields

owner

java.awt.Frame **owner**

columns

javax.swing.table.TableColumnModel **columns**

allColumns

javax.swing.table.TableColumnModel **allColumns**

defaultColumns

javax.swing.table.TableColumnModel **defaultColumns**

**Class [com.bea.wlpi.client.common.ColumnSorterMenu](#)
implements Serializable**

Serialized Fields

table

javax.swing.JTable **table**

group

javax.swing.ButtonGroup **group**

cbiAscending

javax.swing.JCheckBoxMenuItem **cbiAscending**

clickListener

com.bea.wlpi.client.common.ColumnSorterMenu.MouseClickListener **clickListener**

**Class [com.bea.wlpi.client.common.CustomEventComboBoxRenderer](#)
implements Serializable**

Serialized Fields

tooltips

```
java.lang.String[] tooltips
```

customItems

```
java.lang.String[] customItems
```

pluginNames

```
java.lang.String[] pluginNames
```

richNames

```
java.lang.String[] richNames
```

length

```
int length
```

Class [com.bea.wlpi.client.common.Logon](#) implements
Serializable

Serialized Fields

url

```
java.lang.String url
```

userId

```
java.lang.String userId
```

password

```
java.lang.String password
```

txtUrl

```
javax.swing.JTextField txtUrl
```

txtUserId

```
javax.swing.JTextField txtUserId
```

txtPassword

```
javax.swing.JTextField txtPassword
```

okay

```
boolean okay
```

Class [com.bea.wlpi.client.common.LookAndFeelMenu](#) implements Serializable

Serialized Fields

bg

```
javax.swing.ButtonGroup bg
```

root

```
javax.swing.JComponent root
```

Class [com.bea.wlpi.client.common.MappedTableModel](#) implements Serializable

Serialized Fields

model

```
javax.swing.table.TableModel model
```

Class [com.bea.wlpi.client.common.SortableTableModel](#) implements Serializable

Serialized Fields

indexes

```
int[] indexes
```

sortingColumns

```
java.util.ArrayList sortingColumns
```

ascending

```
boolean ascending
```

compares

```
int compares
```

Class [com.bea.wlpi.client.common.Tasklist](#) implements Serializable

Serialized Fields

tsubscriber

```
javax.jms.TopicSubscriber tsubscriber
```

wlpi

[WLPI](#) wlpi

listId

java.lang.String **listId**

listType

int **listType**

vTasks

java.util.List **vTasks**

vDisplayedTasks

java.util.List **vDisplayedTasks**

component

java.awt.Component **component**

table

javax.swing.JTable **table**

model

com.bea.wlpi.client.common.Tasklist.TasklistTableModel **model**

sorter

[SortableTableModel](#) **sorter**

bRole

boolean **bRole**

bPending

boolean **bPending**

bDone

boolean **bDone**

bInactive

boolean **bInactive**

**Class [com.bea.wlpi.client.common.TaskPropertiesDialog](#)
implements Serializable**

Serialized Fields

wlpi

[WLPI](#) **wlpi**

task

[TaskInfo](#) **task**

lblPriority

javax.swing.JLabel **lblPriority**

cboPriority

`javax.swing.JComboBox` `cboPriority`

chkModifiable

`javax.swing.JCheckBox` `chkModifiable`

chkDoneWithoutDolt

`javax.swing.JCheckBox` `chkDoneWithoutDoIt`

chkDoltIfDone

`javax.swing.JCheckBox` `chkDoItIfDone`

chkUnmarkDone

`javax.swing.JCheckBox` `chkUnmarkDone`

chkReassign

`javax.swing.JCheckBox` `chkReassign`

Class [com.bea.wlpi.client.common.TaskReassignDialog](#) implements `Serializable`

Serialized Fields

wlpi

[WLPI](#) `wlpi`

task

[TaskInfo](#) `task`

rbUser

javax.swing.JRadioButton **rbUser**

rbUserInRole

javax.swing.JRadioButton **rbUserInRole**

rbRole

javax.swing.JRadioButton **rbRole**

cboUsers

javax.swing.JComboBox **cboUsers**

cboRoles

javax.swing.JComboBox **cboRoles**

vUsers

java.util.List **vUsers**

vRoles

java.util.List **vRoles**

Class

[com.bea.wlpi.client.common.WATableColumnModel](#)

implements **Serializable**

Class

[com.bea.wlpi.client.common.WorkflowStatusDialog](#)

implements **Serializable**

Serialized Fields

owner

java.awt.Frame **owner**

wlpi

[WLPI](#) **wlpi**

prop

java.util.Properties **prop**

workflow

[InstanceInfo](#) **workflow**

cbiPending

javax.swing.JCheckBoxMenuItem **cbiPending**

cbiDone

javax.swing.JCheckBoxMenuItem **cbiDone**

cbiInactive

javax.swing.JCheckBoxMenuItem **cbiInactive**

miProperties

javax.swing.JMenuItem **miProperties**

popup

`javax.swing.JPopupMenu` **popup**

miSorter

[ColumnSorterMenu](#) **miSorter**

taskList

[Tasklist](#) **taskList**

Package `com.bea.wlpi.common`

Class [com.bea.wlpi.common.BusinessCalendarInfo](#)
implements `Serializable`

Serialized Fields

id

`java.lang.String` **id**

name

`java.lang.String` **name**

timezone

`java.lang.String` **timezone**

xml

`java.lang.String` **xml**

published

boolean **published**

**Class [com.bea.wlpi.common.ClassDescriptor](#)
implements Serializable**

Serialized Fields

constructors

[MethodDescriptor](#) [] **constructors**

methods

[MethodDescriptor](#) [] **methods**

modifiers

int **modifiers**

isSerializable

boolean **isSerializable**

**Class [com.bea.wlpi.common.ClassInvocationDescriptor](#)
implements Serializable**

Serialized Fields

id

java.lang.String **id**

className

java.lang.String **className**

description

java.lang.String **description**

constructorParmDescriptions

java.lang.String[] **constructorParmDescriptions**

methodParmDescriptions

java.lang.String[] **methodParmDescriptions**

constructorDescriptor

[MethodDescriptor](#) **constructorDescriptor**

methodDescriptor

[MethodDescriptor](#) **methodDescriptor**

published

boolean **published**

Class [com.bea.wlpi.common.EJBDescriptor](#) implements [Serializable](#)

Serialized Fields

ejbDeploymentName

java.lang.String **ejbDeploymentName**

ejbHomeName

java.lang.String **ejbHomeName**

ejbRemoteName

java.lang.String **ejbRemoteName**

ejbPrimaryKeyName

java.lang.String **ejbPrimaryKeyName**

isSessionEJB

boolean **isSessionEJB**

remoteMethodDescriptors

java.util.List **remoteMethodDescriptors**

homeMethodDescriptors

java.util.List **homeMethodDescriptors**

**Class [com.bea.wlpi.common.EJBInvocationDescriptor](#)
implements Serializable**

Serialized Fields

id

java.lang.String **id**

description

java.lang.String **description**

homeParmDescriptions

java.lang.String[] **homeParmDescriptions**

remoteParmDescriptions

java.lang.String[] remoteParmDescriptions

ejbDeploymentName

java.lang.String ejbDeploymentName

ejbHomeName

java.lang.String ejbHomeName

ejbPrimaryKeyName

java.lang.String ejbPrimaryKeyName

ejbIsSessionBean

boolean ejbIsSessionBean

ejbHomeMethod

[MethodDescriptor](#) ejbHomeMethod

ejbRemoteName

java.lang.String ejbRemoteName

ejbRemoteMethod

[MethodDescriptor](#) ejbRemoteMethod

published

boolean **published**

**Class [com.bea.wlpi.common.EventKeyInfo](#) implements
Serializable**

Serialized Fields

contentType

java.lang.String **contentType**

root

java.lang.String **root**

expr

java.lang.String **expr**

plugin

java.lang.String **plugin**

fieldID

int **fieldID**

**Class [com.bea.wlpi.common.InstanceInfo](#) implements
Serializable**

Serialized Fields

id

java.lang.String **id**

templateId

java.lang.String **templateId**

templateDefinitionId

java.lang.String **templateDefinitionId**

initiator

java.lang.String **initiator**

parentId

java.lang.String **parentId**

name

java.lang.String **name**

started

java.sql.Timestamp **started**

completed

java.sql.Timestamp **completed**

idString

java.lang.String **idString**

state

int **state**

comment

java.lang.String **comment**

pluginData

java.util.Map **pluginData**

Class [com.bea.wlpi.common.MethodDescriptor](#)
implements Serializable

Serialized Fields

methodName

java.lang.String **methodName**

parameterTypes

java.lang.String[] **parameterTypes**

exceptionTypes

java.lang.String[] **exceptionTypes**

returnType

java.lang.String **returnType**

modifiers

int **modifiers**

Class [com.bea.wlpi.common.OrganizationInfo](#)
implements Serializable

Serialized Fields

orgId

java.lang.String **orgId**

calendarId

java.lang.String **calendarId**

Class [com.bea.wlpi.common.PackageEntry](#) implements Serializable

Serialized Fields

publishable

[Publishable](#) **publishable**

references

java.util.Map **references**

published

boolean **published**

Class [com.bea.wlpi.common.PublishPackage](#) implements Serializable

Serialized Fields

packageEntries

java.util.List **packageEntries**

Class

[com.bea.wlpi.common.RepositoryFolderInfoHelper](#)
implements **Serializable**

Serialized Fields

type

java.lang.String **type**

name

java.lang.String **name**

description

java.lang.String **description**

notes

java.lang.String **notes**

parent

[RepositoryFolderInfoHelper](#) **parent**

Class [com.bea.wlpi.common.RerouteInfo](#) implements
Serializable

Serialized Fields

id

java.lang.String **id**

from

java.lang.String **from**

to

java.lang.String **to**

type

int **type**

effective

java.sql.Timestamp **effective**

expiry

java.sql.Timestamp **expiry**

Class [com.bea.wlpi.common.RoleInfo](#) implements
Serializable

Serialized Fields

roleId

java.lang.String **roleId**

orgId

java.lang.String **orgId**

calendarId

java.lang.String **calendarId**

groupId

java.lang.String **groupId**

**Class [com.bea.wlpi.common.TaskInfo](#) implements
Serializable**

Serialized Fields

templateId

java.lang.String **templateId**

templateDefinitionId

java.lang.String **templateDefinitionId**

instanceId

java.lang.String **instanceId**

taskId

java.lang.String **taskId**

name

java.lang.String **name**

assignee

java.lang.String **assignee**

assigneeIsRole

boolean **assigneeIsRole**

workflow

java.lang.String **workflow**

workflowId

java.lang.String **workflowId**

priority

int **priority**

started

java.sql.Timestamp **started**

completed

java.sql.Timestamp **completed**

due

java.sql.Timestamp **due**

comment

java.lang.String **comment**

doneWithoutDoit

boolean **doneWithoutDoit**

doitIfDone

boolean **doitIfDone**

unmarkDone

boolean **unmarkDone**

modifiable

boolean **modifiable**

reassignment

boolean **reassignment**

Class [com.bea.wlpi.common.TemplateDefinitionInfo](#)
implements **Serializable**

Serialized Fields

id

java.lang.String **id**

templateId

java.lang.String **templateId**

templateName

java.lang.String **templateName**

xml

java.lang.String **xml**

effective

java.sql.Timestamp **effective**

expiry

java.sql.Timestamp **expiry**

active

boolean **active**

pluginData

java.util.Map **pluginData**

published

boolean **published**

**Class [com.bea.wlpi.common.TemplateInfo](#) implements
Serializable**

Serialized Fields

id

java.lang.String **id**

name

java.lang.String **name**

xml

java.lang.String **xml**

pluginData

java.util.Map **pluginData**

published

boolean **published**

**Class [com.bea.wlpi.common.UserInfo](#) implements
Serializable**

Serialized Fields

userId

java.lang.String **userId**

eMailAddress

java.lang.String **eMailAddress**

defaultOrgId

java.lang.String **defaultOrgId**

calendarId

java.lang.String **calendarId**

**Class [com.bea.wlpi.common.VariableInfo](#) implements
Serializable**

Serialized Fields

name

java.lang.String **name**

type

java.lang.String **type**

value

java.lang.Object **value**

**Class [com.bea.wlpi.common.VersionInfo](#) implements
Serializable**

Serialized Fields

majorVersion

int **majorVersion**

minorVersion

int **minorVersion**

volume

int **volume**

build

java.lang.String **build**

name

java.lang.String **name**

**Class [com.bea.wlpi.common.WorkflowException](#)
implements Serializable**

Serialized Fields

severity

```
int severity
```

msgNum

```
int msgNum
```

args

```
java.lang.Object[] args
```

origin

```
java.lang.String origin
```

nestedException

```
java.lang.Exception nestedException
```

serverStackTrace

```
java.lang.String serverStackTrace
```

Class [com.bea.wlpi.common.XMLEntityInfoHelper](#) implements Serializable

Serialized Fields

type

```
int type
```

name

java.lang.String **name**

description

java.lang.String **description**

notes

java.lang.String **notes**

content

byte[] **content**

parentFolders

java.util.List **parentFolders**

Package [com.bea.wlpi.common.plugin](#)

Class [com.bea.wlpi.common.plugin.ActionCategoryInfo](#)
implements `Serializable`

Serialized Fields

parentSystemID

int **parentSystemID**

The system ID of the parent category.

Class [com.bea.wlpi.common.plugin.ActionInfo](#)
implements `Serializable`

Serialized Fields

actionStateTrans

```
int actionStateTrans
```

actionStateMask

```
int actionStateMask
```

subActionLabels

```
java.lang.String[] subActionLabels
```

icon

```
javax.swing.Icon icon
```

**Class [com.bea.wlpi.common.plugin.CategoryInfo](#)
implements Serializable**

Serialized Fields

systemID

```
int systemID
```

subNodes

```
ActionCategoryInfo[] subNodes
```

**Class [com.bea.wlpi.common.plugin.ConfigurationData](#)
implements Serializable**

Serialized Fields

pluginName

```
java.lang.String pluginName
```

version

[VersionInfo](#) version

xml

java.lang.String xml

status

int status

startMode

int startMode

Class [com.bea.wlpi.common.plugin.ConfigurationInfo](#)
implements Serializable

Class [com.bea.wlpi.common.plugin.DoneInfo](#)
implements Serializable

Class [com.bea.wlpi.common.plugin.EventHandlerInfo](#)
implements Serializable

Class [com.bea.wlpi.common.plugin.EventInfo](#)
implements Serializable

Serialized Fields

fieldInfo

[FieldInfo](#) fieldInfo

Class [com.bea.wlpi.common.plugin.FieldInfo](#)
implements Serializable

Serialized Fields

supportsQualifiers

boolean `supportsQualifiers`

Class [com.bea.wlpi.common.plugin.FunctionInfo](#)

implements `Serializable`

Serialized Fields

prototype

java.lang.String `prototype`

argcmin

int `argcmin`

argcmax

int `argcmax`

Class [com.bea.wlpi.common.plugin.HelpSetInfo](#)

implements `Serializable`

Serialized Fields

helpType

int `helpType`

Class [com.bea.wlpi.common.plugin.InfoObject](#)

implements `Serializable`

Serialized Fields

pluginName

java.lang.String **pluginName**

The unique name of the plugin providing this InfoObject.

ID

int **ID**

The plugin-assigned ID for this InfoObject (unique within this plugin and subclass).

name

java.lang.String **name**

The localized name of this InfoObject.

description

java.lang.String **description**

The localized description of this InfoObject.

classNames

java.lang.String[] **classNames**

An array containing the fully qualified Java class names of the plugin-provided implementation classes and customizers for this object type.

**Class [com.bea.wlpi.common.plugin.PluginActionPanel](#)
implements Serializable**

**Class [com.bea.wlpi.common.plugin.PluginCapabilitiesInfo](#)
implements Serializable**

Serialized Fields

info

[PluginInfo](#) info

actions

[ActionCategoryInfo](#)[] actions

events

[EventInfo](#)[] events

fields

[FieldInfo](#)[] fields

functions

[FunctionInfo](#)[] functions

starts

[StartInfo](#)[] starts

variableTypes

[VariableTypeInfo](#)[] variableTypes

dones

[DoneInfo](#)[] dones

template

[TemplatePropertiesInfo](#) `template`

templateDefinition

[TemplateDefinitionPropertiesInfo](#) `templateDefinition`

eventHandler

[EventHandlerInfo](#) `eventHandler`

**Class [com.bea.wlpi.common.plugin.PluginDependency](#)
implements Serializable**

Serialized Fields

masterPluginName

`java.lang.String` `masterPluginName`

vendor

`java.lang.String` `vendor`

version

[VersionInfo](#) `version`

**Class [com.bea.wlpi.common.plugin.PluginException](#)
implements Serializable**

**Class [com.bea.wlpi.common.plugin.PluginInfo](#)
implements Serializable**

Serialized Fields

lc

java.util.Locale **lc**

vendor

java.lang.String **vendor**

url

java.lang.String **url**

version

[VersionInfo](#) **version**

pluginFrameworkVersion

[VersionInfo](#) **pluginFrameworkVersion**

dependencies

[PluginDependency](#)[] **dependencies**

config

[ConfigurationInfo](#) **config**

helpSet

[HelpSetInfo](#) **helpSet**

**Class [com.bea.wlpi.common.plugin.PluginPanel](#)
implements Serializable**

Serialized Fields

context

[PluginPanelContext](#) context

data

[PluginData](#) data

bundleName

java.lang.String bundleName

helpID

java.lang.String helpID

**Class [com.bea.wlpi.common.plugin.PluginTriggerPanel](#)
implements Serializable**

**Class [com.bea.wlpi.common.plugin.PluginVariablePanel](#)
implements Serializable**

Serialized Fields

variableValue

java.lang.Object variableValue

**Class [com.bea.wlpi.common.plugin.StartInfo](#)
implements Serializable**

Serialized Fields

fieldInfo

[FieldInfo](#) fieldInfo

Class

[com.bea.wlpi.common.plugin.TemplateDefinitionPropertiesInfo](#)

implements Serializable

Class [com.bea.wlpi.common.plugin.TemplateNodeInfo](#)

implements Serializable

Serialized Fields

icon

[javax.swing.Icon](#) icon

Class

[com.bea.wlpi.common.plugin.TemplatePropertiesInfo](#)

implements Serializable

Class [com.bea.wlpi.common.plugin.VariableTypeInfo](#)

implements Serializable

Serialized Fields

variableType

int variableType

valueClass

[java.lang.Class](#) valueClass

Package [com.bea.wlpi.common.security](#)

Class [com.bea.wlpi.common.security.PermissionInfo](#)

implements Serializable

Serialized Fields

principalId

java.lang.String `principalId`

_configureSystem

boolean `_configureSystem`

_configureComponents

boolean `_configureComponents`

_administerUser

boolean `_administerUser`

_monitorInstance

boolean `_monitorInstance`

_createTemplate

boolean `_createTemplate`

_updateTemplate

boolean `_updateTemplate`

_deleteTemplate

boolean `_deleteTemplate`

`_executeTemplate`

boolean `_executeTemplate`

Class

[com.bea.wlpi.common.security.RolePermissionInfo](#)

implements Serializable

Serialized Fields

orgID

java.lang.String `orgID`

groupID

java.lang.String `groupID`

Class

[com.bea.wlpi.common.security.UserPermissionInfo](#)

implements Serializable

Serialized Fields

roles

java.util.List `roles`

Class [com.bea.wlpi.evaluator.EvaluatorException](#)

implements Serializable

Class [com.bea.wlpi.server.plugin.InstanceNotification](#)

implements Serializable

Class [com.bea.wlpi.server.plugin.PluginConfiguration](#) implements Serializable

Serialized Fields

name

java.lang.String **name**

version

[VersionInfo](#) **version**

home

[PluginHome](#) **home**

info

[PluginInfo](#) **info**

config

java.lang.String **config**

startMode

int **startMode**

status

int **status**

masters

```
int[] masters
```

slaves

```
int[] slaves
```

Class [com.bea.wlpi.server.plugin.PluginNotification](#)
implements Serializable

Serialized Fields

source

```
java.lang.Object source
```

eventType

```
int eventType
```

Class [com.bea.wlpi.client.repository.RepositoryExplorer](#)
implements Serializable

Serialized Fields

PREFERRED_WIDTH

```
int PREFERRED_WIDTH  
Preferred width of Repository Explorer
```

PREFERRED_HEIGHT

```
int PREFERRED_HEIGHT  
Preferred height of Repository Explorer
```

ejb

[XMLRepository](#) **ejb**

Handle to the repository EJB.

tier2

boolean **tier2**

true=use 2-Tier connection method

nonEJB

[RepositoryActions](#) **nonEJB**

Local implementation of EJB for 2-tier function.

parentFrame

javax.swing.JFrame **parentFrame**

Frame for dialogs.

parentDialog

javax.swing.JDialog **parentDialog**

Parent JDialog, if not using Frame as parent.

rfc

com.bea.wlpi.client.repository.RepositoryFolderContents **rfc**

Displays contents of folder selected in tree.

listener

java.awt.event.ActionListener **listener**

Handle to the ActionListener implemented in this object.

actionListener

java.awt.event.ActionListener **actionListener**
ActionListener for notifying listeners register to this object.

conMethod

java.lang.String **conMethod**

jdbcDriver

java.lang.String **jdbcDriver**

jdbcURL

java.lang.String **jdbcURL**

jdbcServer

java.lang.String **jdbcServer**

jdbcUser

java.lang.String **jdbcUser**

dataSource

java.lang.String **dataSource**

rootMenu

javax.swing.JPopupMenu **rootMenu**

miRootAddOF

javax.swing.JMenuItem **miRootAddOF**

miRootAddEnt

javax.swing.JMenuItem **miRootAddEnt**

miRootPaste

javax.swing.JMenuItem **miRootPaste**

miRootColSorter

[ColumnSorterMenu](#) **miRootColSorter**

folderMenu

javax.swing.JPopupMenu **folderMenu**

miFoldUpdOF

javax.swing.JMenuItem **miFoldUpdOF**

miFoldPaste

javax.swing.JMenuItem **miFoldPaste**

miFoldAddOF

javax.swing.JMenuItem **miFoldAddOF**

miFoldDelOF

javax.swing.JMenuItem **miFoldDelOF**

miFoldAddEnt

javax.swing.JMenuItem **miFoldAddEnt**

entityMenu

javax.swing.JPopupMenu **entityMenu**

miEntExportEnt

javax.swing.JMenuItem **miEntExportEnt**

miEntDelEnt

javax.swing.JMenuItem **miEntDelEnt**

horzSplitPane

javax.swing.JSplitPane **horzSplitPane**

vertSplitPane

javax.swing.JSplitPane **vertSplitPane**

treeScrollPane

javax.swing.JScrollPane **treeScrollPane**

folderPanel

com.bea.wlpi.client.repository.FolderDisplay **folderPanel**

docPanel

com.bea.wlpi.client.repository.EntityDisplay **docPanel**

treeModel

javax.swing.tree.DefaultTreeModel **treeModel**

table

javax.swing.JTable **table**

top

javax.swing.tree.DefaultMutableTreeNode **top**

selector

com.bea.wlpi.client.repository.RepositoryExplorer.FolderContentsSelectorListener
selector

tree

javax.swing.JTree **tree**

**Class [com.bea.wlpi.server.plugin.TaskNotification](#)
implements Serializable**

**Class [com.bea.wlpi.server.plugin.TemplateDefinitionNotification](#)
implements Serializable**

**Class [com.bea.wlpi.server.plugin.TemplateNotification](#)
implements Serializable**

Class [com.bea.wlpi.client.worklist.WorklistApplet](#)
implements Serializable

Serialized Fields

worklist

[WorklistPane](#) worklist

Class [com.bea.wlpi.client.worklist.WorklistFrame](#)
implements Serializable

Serialized Fields

worklist

[WorklistPane](#) worklist

Class [com.bea.wlpi.client.worklist.WorklistPane](#)
implements Serializable

Serialized Fields

wlpi

[WLPI](#) wlpi

prop

java.util.Properties **prop**

owner

java.awt.Frame **owner**

applet

`java.applet.Applet` **applet**

tabs

`javax.swing.JTabbedPane` **tabs**

cbiPending

`javax.swing.JCheckBoxMenuItem` **cbiPending**

cbiDone

`javax.swing.JCheckBoxMenuItem` **cbiDone**

cbiInactive

`javax.swing.JCheckBoxMenuItem` **cbiInactive**

cbiLogonMsg

`javax.swing.JCheckBoxMenuItem` **cbiLogonMsg**

columns

[WATableColumnModel](#) **columns**

miSorter

[ColumnSorterMenu](#) **miSorter**

toolbar

`javax.swing.JToolBar` **toolbar**

menuBar

javax.swing.JMenuBar **menuBar**

mnuFile

javax.swing.JMenu **mnuFile**

mnuTask

javax.swing.JMenu **mnuTask**

mnuWorkflow

javax.swing.JMenu **mnuWorkflow**

mnuView

javax.swing.JMenu **mnuView**

mnuTools

javax.swing.JMenu **mnuTools**

mnuHelp

javax.swing.JMenu **mnuHelp**

miExecute

javax.swing.JMenuItem **miExecute**

miMarkDone

javax.swing.JMenuItem **miMarkDone**

miUnmarkDone

javax.swing.JMenuItem **miUnmarkDone**

miTake

javax.swing.JMenuItem **miTake**

miReassign

javax.swing.JMenuItem **miReassign**

miProps

javax.swing.JMenuItem **miProps**

miLogon

javax.swing.JMenuItem **miLogon**

miLogoff

javax.swing.JMenuItem **miLogoff**

popup

javax.swing.JPopupMenu **popup**

cbOrgs

javax.swing.JComboBox **cbOrgs**

taskLists

[Tasklist](#)[] **taskLists**

taskListener

com.bea.wlpi.client.worklist.WorklistPane.TaskListener **taskListener**

bEnableNotifications

boolean **bEnableNotifications**

bTaskAssignedDlg

boolean **bTaskAssignedDlg**

bInitializing

boolean **bInitializing**

nextTaskNotification

long **nextTaskNotification**

vListeners

java.util.List **vListeners**

tcon

javax.jms.TopicConnection **tcon**

tsession

javax.jms.TopicSession **tsession**

topic

javax.jms.Topic **topic**

tsubscriber

javax.jms.TopicSubscriber **tsubscriber**

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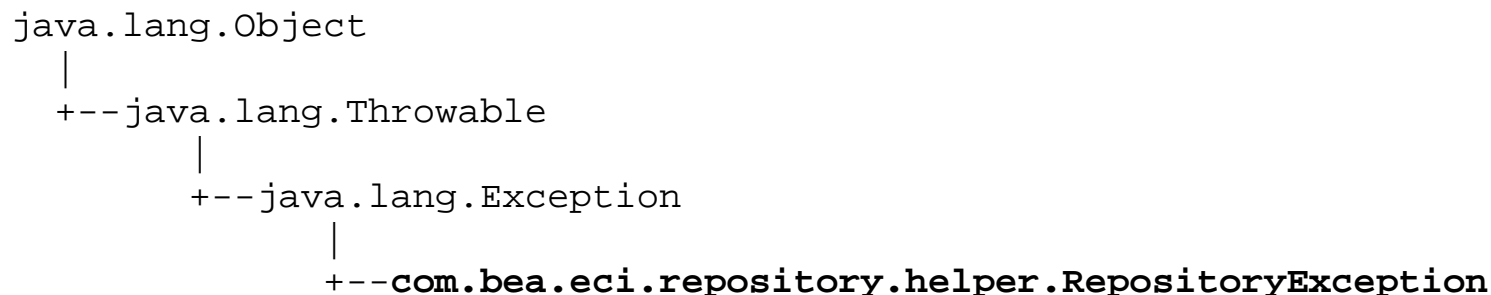
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com.bea.eci.repository.helper

Class RepositoryException



All Implemented Interfaces:

java.io.Serializable

public class **RepositoryException**

extends java.lang.Exception

Thrown by the repository EJB, this class insulates the repository client from the repository implementation classes, specifically com.bea.eci.repository.RepositoryException.

See Also:

[Serialized Form](#)

Constructor Summary

[RepositoryException](#)(int msgNum, java.lang.Object[] args)

Create a new RepositoryException containing a nested exception with a specific message.

[RepositoryException](#)(java.lang.String msg)

Create a new RepositoryException containing a nested exception with a specific message.

Method Summary

java.lang.String [getLocalizedMessage](#)()

Obtain the locale-specific message for this exception.

Methods inherited from class java.lang.Throwable

```
fillInStackTrace, getMessage, printStackTrace, printStackTrace,
printStackTrace, toString
```

Methods inherited from class `java.lang.Object`

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait,
wait, wait
```

Constructor Detail

RepositoryException

```
public RepositoryException(int msgNum,
                             java.lang.Object[] args)
```

Create a new `RepositoryException` containing a nested exception with a specific message.

Parameters:

`e` - the nested `Exception`.

`msgNum` - the message number as defined in `RepositoryExceptionMessages`

RepositoryException

```
public RepositoryException(java.lang.String msg)
```

Create a new `RepositoryException` containing a nested exception with a specific message.

Parameters:

`e` - the nested `Exception`.

Method Detail

getLocalizedMessage

```
public java.lang.String getLocalizedMessage()
```

Obtain the locale-specific message for this exception.

Overrides:

`getLocalizedMessage` in class `java.lang.Throwable`

Returns:

a String containing the localized message.

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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`com.bea.eci.repository.helper`

Class RepositoryFolderInfo

`java.lang.Object`

|

`+--com.bea.eci.repository.helper.RepositoryFolderInfo`

All Implemented Interfaces:

`java.lang.Comparable, java.io.Serializable`

```
public class RepositoryFolderInfo
```

```
extends java.lang.Object
```

```
implements java.io.Serializable, java.lang.Comparable
```

A class used to represent a folder in the repository. This class only represents a repository folder (specifically, an `com.bea.eci.repository.ObjectFolder`) and does not affect the repository (i.e. creating a `RepositoryFolderInfo` object does not result in a new folder in the repository).

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Constructor Summary

```
RepositoryFolderInfo(java.lang.String type, java.lang.String name,  
java.lang.String desc, java.lang.String notes)
```

Creates a new representation of a repository folder.

Method Summary

int	<u>compareTo</u> (java.lang.Object obj) Determines if this RepositoryFolderInfo object is equal, less than, or greater than the passed in RepositoryFolderInfo object.
boolean	<u>equals</u> (java.lang.Object obj) Determines if two RepositoryFolderInfo objects are equal.
java.sql.Timestamp	<u>getCreatedOn</u> () Get when the folder was created.
java.lang.String	<u>getDescription</u> () Get the description of the repository object.
java.sql.Timestamp	<u>getLastModifiedOn</u> () Get when the folder was last updated.
java.lang.String	<u>getName</u> () Get the name of the repository object.
java.lang.String	<u>getNotes</u> () Get the notes associated with the repository folder.
java.lang.String	<u>getType</u> () Get the type of the repository object.
java.lang.String	<u>toString</u> () Return the name of the repository folder represented by this object.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

RepositoryFolderInfo

```
public RepositoryFolderInfo( java.lang.String type,
                             java.lang.String name,
                             java.lang.String desc,
                             java.lang.String notes)
```

Creates a new representation of a repository folder.

Parameters:

type - a String containing the type of the folder. This is the name of the class of the repository folder. The repository class types are mapped as class variables in

`com.bea.repository.helper.Types.`

`name` - a `String` containing the name of the folder, which must be unique for all folders of the specified type.

`desc` - a `String` containing an optional description of the folder, may be `null`.

`notes` - a `String` containing optional notes about the folder, may be `null`.

Method Detail

getType

```
public java.lang.String getType()
```

Get the type of the repository object.

Returns:

a `String` containing the type of the folder.

getName

```
public java.lang.String getName()
```

Get the name of the repository object.

Returns:

a `String` containing the name of the folder.

getDescription

```
public java.lang.String getDescription()
```

Get the description of the repository object.

Returns:

a `String` containing the description of the folder, may be `null`.

getNotes

```
public java.lang.String getNotes()
```

Get the notes associated with the repository folder.

Returns:

a `String` containing notes about the folder, may be `null`.

getCreatedOn

```
public java.sql.Timestamp getCreatedOn()
```

Get when the folder was created.

Returns:

a `java.sql.Timestamp` of when the folder was created.

getLastModifiedOn

```
public java.sql.Timestamp getLastModifiedOn()
```

Get when the folder was last updated.

Returns:

a `java.sql.Timestamp` of when the folder was last updated.

toString

```
public java.lang.String toString()
```

Return the name of the repository folder represented by this object.

Overrides:

`toString` in class `java.lang.Object`

Returns:

a `String` containing the name of the folder.

equals

```
public boolean equals(java.lang.Object obj)
```

Determines if two `RepositoryFolderInfo` objects are equal. The objects are compared by the following fields: type, name, major version, and minor version.

Overrides:

`equals` in class `java.lang.Object`

Parameters:

`obj` - the `RepositoryFolderInfo` object being compared to this one.

Returns:

true if the objects are the same, false if they are not.

compareTo

```
public int compareTo(java.lang.Object obj)
```

Determines if this RepositoryFolderInfo object is equal, less than, or greater than the passed in RepositoryFolderInfo object. Objects are compared on four fields: type, name, major version, and minor version, in that order.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - the RepositoryFolderInfo object that this RepositoryFolderInfo object is compared to.

Returns:

less than zero if this object is less than the passed in object, zero if this object and the passed in object are the same, greater than zero if this object is greater than the passed in object.

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2.0*

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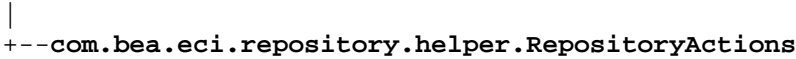
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com.bea.eci.repository.helper

Class RepositoryActions

java.lang.Object



public class **RepositoryActions**

extends java.lang.Object

This class provides methods for accessing and manipulating the XML Entity Repository. This version does not support repository object versioning - all methods deal with the latest version of objects in the repository.

Since:

WebLogic Process Integrator 2.0

Constructor Summary

RepositoryActions ()	Constructor for use from within an EJB.
RepositoryActions (java.lang.String dbUser, java.lang.String dbPswd, java.lang.String jdbcDriver, java.lang.String jdbcURL, java.lang.String jdbcServer)	Constructor for use from a 2-tier client.

Method Summary

void	addChildFolder (RepositoryFolderInfo child, RepositoryFolderInfo parent)	Place an exiting folder inside another (existing) folder.
void	addEntityToFolder (XMLEntityInfo xei, RepositoryFolderInfo rfi)	Place an existing entity in an existing folder.
XMLEntityInfo	createEntity (int type, java.lang.String name, java.lang.String desc, java.lang.String notes, java.lang.String content, RepositoryFolderInfo parent)	Create a new XML entity in the repository, within an existing folder if desired.
RepositoryFolderInfo	createFolder (java.lang.String type, java.lang.String name, java.lang.String desc, java.lang.String notes, RepositoryFolderInfo parent)	Creates a new folder in the repository.
void	deleteEntity (XMLEntityInfo xei)	Completely remove an entity from the repository.
void	deleteFolder (RepositoryFolderInfo rfi)	Delete a folder from the repository.
java.util.List	getAllEntities ()	Returns a list of all the entities in the repository.
java.util.List	getAllFolders ()	Returns a list of all the folders in the repository.
java.util.List	getChildDocs (RepositoryFolderInfo rfi)	Obtains a list of entities that are children of a given folder.
java.util.List	getChildFolders (RepositoryFolderInfo rfi)	Obtains a list of the child folders of a given folder.

XMLEntityInfo	getEntity (java.lang.String name) Retrieves an entity from the repository, including its content.
XMLEntityInfo	getEntity (java.lang.String name, int type) Retrieves an entity from the repository, including its content of the specified type.
RepositoryFolderInfo	getFolderInfo (java.lang.String name) Retrieves the information about a repository folder identified by its name.
RepositoryFolderInfo	getFolderInfo (java.lang.String type, java.lang.String name) Retrieves the information about a repository folder of a given name and type.
javax.swing.tree.DefaultMutableTreeNode	getObjectFolderTree (javax.swing.tree.DefaultMutableTreeNode top) Builds a tree structure of all the folders in the repository.
void	removeChildFolder (RepositoryFolderInfo child, RepositoryFolderInfo parent) Remove a reference between a child folder and its parent folder.
void	removeEntityFromFolder (XMLEntityInfo xei, RepositoryFolderInfo rfi) Remove an entity from a folder, but do not delete the entity.
void	renameEntity (java.lang.String curName, java.lang.String newName) Change the name of an entity.
void	renameFolder (java.lang.String curName, java.lang.String newName) Change the name of an folder.
void	updateEntity (XMLEntityInfo xei) Update an entity's description, notes and content fields.
void	updateFolder (RepositoryFolderInfo rfi) Update a folder's description and notes fields.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RepositoryActions

```
public RepositoryActions(java.lang.String dbUser,
    java.lang.String dbPswd,
    java.lang.String jdbcDriver,
    java.lang.String jdbcURL,
    java.lang.String jdbcServer)
```

Constructor for use from a 2-tier client. Creates a RepositoryActions object that allows the repository to be accessed directly by creating a JDBC connection. The parameters specify the information used to create a JDBC connection, which, in turn, is used to create a RepositorySession for accessing the repository.

```
The JDBC connection is made as follows: Properties p = new Properties(); p.put("user", dbUser);
p.put("password", dbPswd); p.put("server", jdbcServer); Driver d =
(Driver)Class.forName(driver).newInstance(); Connection con = d.connect(jdbcURL, p);
```

For a repository backed by *MS SQLServer*, using the WLS 6.0 jDriver, the values would be similar to: dbUser = wlpi dbPswd = password jdbcDriver = weblogic.jdbc.mssqlserver4.Driver jdbcURL = jdbc:weblogic:mssqlserver4 jdbcServer = WLPI@localhost:1433

Parameters:

dbUser - a String containing the DB user ID used to connect to the database.

dbPswd - a String containing the database user's password

jdbcDriver - a String containing the class name of the JDBC driver

jdbcURL - a String containing the URL of the JDBC driver.

jdbcServer - a String containing the name of the database containing the repository tables

RepositoryActions

```
public RepositoryActions()
```

Constructor for use from within an EJB. The EJB's environment must contain the String environment variable "connection" and must also have one of the following sets of variables (all of type String):

- jdbc/className
- jdbc/url
- jdbc/server
- jdbc/user
- jdbc/pswd

OR

- datasource/name The "connection" variable specifies the database connection method used by the `com.bea.repository.RepositorySession` object: a value of "2-tier" (ignoring case) will result in an attempt to create a JDBC connection directly from within the EJB using the values contained in the "jdbc/xxx" variables. Any other value for "connection" will result in the connections through the WLS "JDBCTxDataSource" having the JNDI name specified by the "datasource/name" environment variable (which must match the JNDI name of the datasource). **Note: Only the data source method is supported - there is no guarantee that the JDBC method will work, as the JDBC connection is created from within the EJB.**

Method Detail

getChildFolders

```
public java.util.List getChildFolders(RepositoryFolderInfo rfi)
                                throws RepositoryException
```

Obtains a list of the child folders of a given folder. Currently only child folders of type `ObjectFolder` are returned in the list.

Parameters:

`rfi` - a `RepositoryFolderInfo` object representing the folder for which the children are being obtained (the parent). If null all top-level (without a parent) folders are retrieved.

Returns:

a List of `RepositoryFolderInfo` objects, one for each child folder, or an empty list if the folder doesn't contain any child folders.

getChildDocs

```
public java.util.List getChildDocs(RepositoryFolderInfo rfi)
                                throws RepositoryException
```

Obtains a list of entities that are children of a given folder.

Parameters:

`rfi` - a `RepositoryFolderInfo` object representing the folder for which the children are obtained - if null the entities not contained in any folder are retrieved.

Returns:

a List of `XMLEntityInfo` objects, one for each child object, or an empty list if the folder doesn't contain any children. The `type` field of each `XMLEntityInfo` object is set based on the type of the `com.bea.repository.RepositoryVersionedObject`'s first retrieved content. The `XMLEntityInfo` objects do not contain the contents of the object, only the name, type, and meta-data associated with the entity.

removeChildFolder

```
public void removeChildFolder(RepositoryFolderInfo child,
                              RepositoryFolderInfo parent)
                                throws RepositoryException
```

Remove a reference between a child folder and its parent folder. This does not delete the child folder from the repository - it only removes the the reference between the parent and child. The child folder becomes a top-level folder (parent-less) if there are no other folders referring to the

child, or it remains a child of the other folders that refer to it.

Parameters:

child - the `RepositoryFolderInfo` object representing the child folder being dereferenced from the parent.

parent - the `RepositoryFolderInfo` object representing the parent folder from which the child is being dereferenced.

addChildFolder

```
public void addChildFolder(RepositoryFolderInfo child,  
                           RepositoryFolderInfo parent)  
    throws RepositoryException
```

Place an existing folder inside another (existing) folder. This simply creates a reference from the parent to the child folder.

Parameters:

child - a `RepositoryFolderInfo` object representing the folder being placed in another folder.

parent - a `RepositoryFolderInfo` object representing the folder that the child is being placed into.

deleteFolder

```
public void deleteFolder(RepositoryFolderInfo rfi)  
    throws RepositoryException
```

Delete a folder from the repository. The folder may not have any child folders, and any XML entities in the folder will become orphaned - they will remain defined in the repository and simply not be associated with the folder being deleted, i.e. they will appear as top-level entities if they are not children of any other folders or will simply remain children of any other folders they are in.

Parameters:

rfi - the `RepositoryFolderInfo` object representing the `ObjectFolder` that will be deleted.

createFolder

```
public RepositoryFolderInfo createFolder(java.lang.String type,  
                                         java.lang.String name,  
                                         java.lang.String desc,  
                                         java.lang.String notes,  
                                         RepositoryFolderInfo parent)  
    throws RepositoryException
```

Creates a new folder in the repository. Optionally, the newly created folder is made a child folder of a specified folder.

Parameters:

name - a non-null `String` containing the name of the folder being created. The name must be unique within the repository for all `ObjectFolders`.

desc - a `String` containing a description of the folder being created. May be null.

notes - a `String` containing notes about the folder being created. May be null.

parent - a `RepositoryFolderInfo` object representing an existing object folder that the newly created folder will be a child of, or null to create the new folder as a top-level (parentless) folder.

Returns:

a `RepositoryFolderInfo` object representing the newly created folder.

updateFolder

```
public void updateFolder(RepositoryFolderInfo rfi)  
    throws RepositoryException
```

Update a folder's description and notes fields.

Parameters:

rfi - a `RepositoryFolderInfo` object with the name and type fields identifying the folder to be updated, and the description and notes fields containing the new data. **Note:** The name and type fields must identify a folder existing in the

removeEntityFromFolder

```
public void removeEntityFromFolder(XMLEntityInfo xei,  
                                   RepositoryFolderInfo rfi)  
    throws RepositoryException
```

Remove an entity from a folder, but do not delete the entity. The entity's reference to the parent folder is removed causing the entity to no longer be a child of the specified folder - it will remain a child of any other folders it references as a parent folder or will become parent-less (top-level) if it has no other references to parent folders.

Parameters:

`xei` - an [XMLEntityInfo](#) object representing the entity to be removed from the specified folder.
`rfi` - a [RepositoryFolderInfo](#) object representing the folder from which the entity will be removed.

addEntityToFolder

```
public void addEntityToFolder(XMLEntityInfo xei,  
                              RepositoryFolderInfo rfi)  
    throws RepositoryException
```

Place an existing entity in an existing folder. This simply creates a reference between the folder and the entity.

Parameters:

`xei` - an [XMLEntityInfo](#) object representing the entity being placed in the folder.
`rfi` - a [RepositoryFolderInfo](#) object representing the folder into which the entity is being placed.

updateEntity

```
public void updateEntity(XMLEntityInfo xei)  
    throws RepositoryException
```

Update an entity's description, notes and content fields. **Note** : the repository supports entities having multiple contents but this method only supports a single content type for the entity: that being the type obtained from the passed in object - it is not possible to change the entity's type using this method, if, for example, the entity is of type DTD, the content of type DTD will be updated regardless of other contents that may be associated with the entity.

Parameters:

`xei` - an [XMLEntityInfo](#) object that represents an existing entity in the repository - the `name` field must identify an existing entity and the `type` field specifies the entity's content that will be updated - the `description`, `notes`, and `content` fields contain the new values the entity will be updated with.

renameEntity

```
public void renameEntity(java.lang.String curName,  
                         java.lang.String newName)  
    throws RepositoryException
```

Change the name of an entity.

Parameters:

`curName` - a [String](#) containing the current name of the entity.
`newName` - a [String](#) containing the entity's new name.

renameFolder

```
public void renameFolder(java.lang.String curName,  
                         java.lang.String newName)
```

throws [RepositoryException](#)

Change the name of an folder.

Parameters:

curName - a String containing the current name of the folder.

newName - a String containing the folder's new name.

deleteEntity

```
public void deleteEntity(XMLEntityInfo xei)
    throws RepositoryException
```

Completely remove an entity from the repository. This will remove the entity from all folders it is a child of and delete the entity from the repository.

Parameters:

xei - an [XMLEntityInfo](#) object representing the entity that will be removed from the repository. The only required field is name, which uniquely identifies the entity.

createEntity

```
public XMLEntityInfo createEntity(int type,
    java.lang.String name,
    java.lang.String desc,
    java.lang.String notes,
    java.lang.String content,
    RepositoryFolderInfo parent)
    throws RepositoryException
```

Create a new XML entity in the repository, within an existing folder if desired. The entity created will have a single associated content, if content is provided.

Parameters:

type - an int containing the type of the entity being created.

name - a String containing the name of the entity being created.

desc - a String containing a description of the entity being created.

notes - a String containing notes about the entity being created.

parent - a [RepositoryFolderInfo](#) object representing the folder in which the entity should be placed. May be null if the entity is simple being created without a parent folder.

Returns:

an [XMLEntityInfo](#) object representing the entity that was created, or null if the entity was not found. **Note:** the type of this object will be forced to `Types.NO_CONTENT` if the content field is null.

getEntity

```
public XMLEntityInfo getEntity(java.lang.String name)
    throws RepositoryException
```

Retrieves an entity from the repository, including its content. This method only supports entities having a single content associated with them - if the named entity has multiple contents only the first retrieved content type is returned.

Parameters:

name - a String containing the name of the TextDocument to retrieve.

Returns:

an [XMLEntityInfo](#) object representing the entity in the repository, complete with content, or null if the entity was not found.

getEntity

```
public XMLEntityInfo getEntity(java.lang.String name,  
                                int type)  
    throws RepositoryException
```

Retrieves an entity from the repository, including its content of the specified type. This method supports entities having multiple contents.

Parameters:

name - a String containing the name of the TextDocument to retrieve.

type - a int containing the content type, as defined in `com.bea.eci.repository.helper.Types`, to retrieve. **Note** : only the following content types are supported:

- Types.DTD
- Types.MFL
- Types.TEXT
- Types.XML
- Types.XML_SCHEMA
- Types.XSLT
- Types.NO_CONTENT

Returns:

an `XMLEntityInfo` object representing the entity in the repository identified by name and type, or null if the specified entity is not defined in the repository.

getFolderInfo

```
public RepositoryFolderInfo getFolderInfo(java.lang.String type,  
                                           java.lang.String name)  
    throws RepositoryException
```

Retrieves the information about a repository folder of a given name and type.

Parameters:

type - a String containing the type of the repository folder. Value from `com.bea.eci.repository.helper.Types`. **Note** : Only folders of type `com.bea.eci.repository.helper.Types.OBJECT_FOLDER` are currently supported (`com.bea.repository.ObjectFolders`) - any other type will return null.

name - a String containing the name of the folder for which information is being retrieved.

Returns:

a `RepositoryFolderInfo` object representing the folder identified by name and type, or null if the identified folder is not defined in the repository.

getFolderInfo

```
public RepositoryFolderInfo getFolderInfo(java.lang.String name)  
    throws RepositoryException
```

Retrieves the information about a repository folder identified by its name.

Parameters:

name - a String containing the name of the folder for which information is being retrieved.

Returns:

a `RepositoryFolderInfo` object representing an `ObjectFolder` identified by name, or null if the folder is not defined in the repository.

getObjectFolderTree

```
public javax.swing.tree.DefaultMutableTreeNode  
getObjectFolderTree(javax.swing.tree.DefaultMutableTreeNode top)  
    throws
```

[RepositoryException](#)

Builds a tree structure of all the folders in the repository. The children of the supplied node are all the top-level (without parent) folders repository. Each of the child nodes is recursively populated with nodes representing thier respective children. The children nodes are all DefaultMutableTreeNode objects with the user object a RepositoryFolderInfo object.

Parameters:

top - a DefaultMutableTreeNode that represents the root of the repository.

Returns:

a new DefaultMutableTreeNode representing the top with all the children (folder) nodes.

getAllEntities

```
public java.util.List getAllEntities()  
    throws RepositoryException
```

Returns a list of all the entities in the repository.

Returns:

a List of XMLEntityInfo objects one for each TextDocument defined in the repository - if no entities are defined an empty list is returned. The XMLEntityInfo objects do not contain the content, only the name, type, and meta-data are provided.

getAllFolders

```
public java.util.List getAllFolders()  
    throws RepositoryException
```

Returns a list of all the folders in the repository.

Returns:

a List of RepositoryFolderInfo objects one for each ObjectFolder defined in the repository. If no folders are defined an empty list is returned.

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com.bea.eci.repository.helper

Class ObjectFolderUtil

java.lang.Object

|
+--com.bea.eci.repository.helper.ObjectFolderUtilpublic class **ObjectFolderUtil**

extends java.lang.Object

A convenience class for repository ObjectFolders. These methods may eventually be provided as part of ObjectFolderFactory and/or ObjectFolder.

Since:

WebLogic Process Integrator 2.0

Constructor Summary

[ObjectFolderUtil\(\)](#)

Method Summary

static javax.swing.tree.DefaultMutableTreeNode	getNode (javax.swing.tree.DefaultMutableTreeNode node , com.bea.eci.repository.RepositoryVersionedContainer rvc , boolean loadItems) Creates a DefaultMutableTreeNode representation of a repository folder and it's child folders.
static com.bea.eci.repository.ObjectFolder	getObjectFolderByName (com.bea.eci.repository.RepositorySession rs , java.lang.String name) Obtain the latest version of an ObjectFolder object by name.
static java.util.List	retrieveTopFolders (com.bea.eci.repository.RepositorySession rs) Obtains a list of ObjectFolder objects, each one not a child of another folder (ie - top level parent folders).

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Constructor Detail

ObjectFolderUtil

```
public ObjectFolderUtil()
```

Method Detail

getObjectFolderByName

```
public static com.bea.eci.repository.ObjectFolder  
getObjectFolderByName(com.bea.eci.repository.RepositorySession rs,  
                        java.lang.String name)  
                        throws  
com.bea.eci.repository.RepositoryException
```

Obtain the latest version of an ObjectFolder object by name.

Parameters:

rs - a RepositorySession object for accessing the repository.

name - a String containing the name of the ObjectFolder to retrieve.

Returns:

the most current version of the ObjectFolder with the requested name.

getNode

```
public static javax.swing.tree.DefaultMutableTreeNode getNode(javax.swing.tree.DefaultMutableTreeNode node,  
com.bea.eci.repository.RepositoryVersionedContainer rvc,  
                        boolean loadItems)  
                        throws com.bea.eci.repository.RepositoryException
```

Creates a DefaultMutableTreeNode representation of a repository folder and it's child folders.

Parameters:

rs - a RepositorySession used to access the repository

rvc - a RepositoryVersionedContainer object to represent as the node.

loadItems - a boolean stating if repository folder items should be loaded or not. true loads child folders and items within the specified container, false will cause only the child folders to be loaded

Returns:

a DefaultMutableTreeNode representing the RepositoryVersionedContainer object and its contents - the user objects being either XMLEntityInfo objects for entity objects or RepositoryFolderInfo objects for folder objects.

retrieveTopFolders

```
public static java.util.List retrieveTopFolders(com.bea.eci.repository.RepositorySession rs)
    throws com.bea.eci.repository.RepositoryException
```

Obtains a list of ObjectFolder objects, each one not a child of another folder (ie - top level parent folders).

Parameters:

rs - a RepositorySession used to access the repository.

Returns:

a List of ObjectFolders having no parent folder.

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com.bea.eci.repository.helper

Class TextDocumentUtil

java.lang.Object

|
+---com.bea.eci.repository.helper.TextDocumentUtilpublic class **TextDocumentUtil**

extends java.lang.Object

This class is a convenience class for `TextDocument` that provides additional methods for `TextDocuments`. These methods may eventually get placed into the `TextDocument` class.

Since:

WebLogic Process Integrator 2.0

Constructor Summary

[TextDocumentUtil](#)()

Method Summary

static java.util.List	retrieveFolderlessTextDocuments (com.bea.eci.repository.RepositorySession rs)
-----------------------	---

Obtains a list of all entities that are not contained in a folder.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

TextDocumentUtil

public **TextDocumentUtil**()

Method Detail

retrieveFolderlessTextDocuments

```
public static java.util.List
retrieveFolderlessTextDocuments(com.bea.eci.repository.RepositorySession rs)
    throws
```

com.bea.eci.repository.RepositoryException

Obtains a list of all entities that are not contained in a folder.

Parameters:

rs - a com.bea.eci.repository.RepositorySession object used to connect to the repository.

Returns:

a List of TextDocument objects, each of which is not contained in an ObjectFolder.

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com.bea.eci.repository.helper

Class Types

java.lang.Object

|
+-- **com.bea.eci.repository.helper.Types**public class **Types**

extends java.lang.Object

Definitions used as a bridge between the repository client and the repository. The repository embeds the class name as the object type - this class provides the class names so that repository classes do not have to be provided with client applications.

Field Summary

static int	DTD Entity with "text/plain" content type that is a Document Type Definition.
static int	MFL Entity with "text/plain" content type that is a Message Format Language document.
static int	NO_CONTENT No content associated with entity.
static java.lang.String	OBJECT_FOLDER com.bea.eci.repository.ObjectFolder
static int	TEXT Entity with "text/plain" content type.
static int	XML Entity with "application/xml" content type that is an XML document.
static int	XML_SCHEMA Entity with "text/plain" content type that is an XML Schema document.

static int [XSLT](#)

Entity with "text/plain" content type that is an XML transformation document.

Constructor Summary

[Types](#) ()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

OBJECT_FOLDER

```
public static final java.lang.String OBJECT_FOLDER
    com.bea.eci.repository.ObjectFolder
```

NO_CONTENT

```
public static final int NO_CONTENT
    No content associated with entity.
```

TEXT

```
public static final int TEXT
    Entity with "text/plain" content type.
```

DTD

```
public static final int DTD
```

Entity with "text/plain" content type that is a Document Type Definition.

XML_SCHEMA

```
public static final int XML_SCHEMA
```

Entity with "text/plain" content type that is an XML Schema document.

XML

```
public static final int XML
```

Entity with "application/xml" content type that is an XML document.

XSLT

```
public static final int XSLT
```

Entity with "text/plain" content type that is an XML transformation document.

MFL

```
public static final int MFL
```

Entity with "text/plain" content type that is a Message Format Language document.

Constructor Detail

Types

```
public Types()
```

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WebLogic Process Integrator Version
2.0

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com.bea.eci.repository.helper

Class XMLEntityInfo

java.lang.Object

|

+-- **com.bea.eci.repository.helper.XMLEntityInfo**

All Implemented Interfaces:

java.lang.Comparable, java.io.Serializable

public final class **XMLEntityInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

A representation of an entity (`RepositoryVersionedObject` or one of its subclasses, specifically `TextDocument`) for clients. This class only provides a representation of the entity and does not affect the data stored in the repository (i.e. creating a new `XMLEntityInfo` object does not result in a new object being created in the repository).

Objects of this class override the boolean `equals(Object)` and implement the `comparable` interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Constructor Summary

XMLEntityInfo(int type, java.lang.String name, java.lang.String desc, java.lang.String notes)

Create a new `XMLEntityInfo` object representing a repository entity.

XMLEntityInfo(int type, java.lang.String name, java.lang.String desc, java.lang.String notes, byte[] content)

Create a new `XMLEntityInfo` object representing a repository object.

[XMLEntityInfo](#)(int type, java.lang.String name, java.lang.String desc, java.lang.String notes, java.sql.Timestamp createdOn, java.sql.Timestamp lastModifiedOn)

Create a new XMLEntityInfo object representing a repository object.

[XMLEntityInfo](#)(int type, java.lang.String name, java.lang.String desc, java.lang.String notes, java.sql.Timestamp createdOn, java.sql.Timestamp lastModifiedOn, java.lang.String content)

Create a new XMLEntityInfo object representing a repository object.

Method Summary

int	compareTo (java.lang.Object obj) Determines if this XMLEntityInfo object is equal, less than, or greater than the passed in XMLEntityInfo object.
boolean	equals (java.lang.Object obj) Determines if two RepositoryFolderInfo objects are equal.
byte[]	getContent () Get the entity's content as an array of bytes.
java.lang.String	getContentAsString () Get the entity's content as a string.
java.sql.Timestamp	getCreatedOn () Get when the entity was created.
java.lang.String	getDescription () Get the description of the repository object.
java.sql.Timestamp	getLastModifiedOn () Get when the entity was last modified.
java.lang.String	getName () Get the description of the repository object.
java.lang.String	getNotes () Get the notes about the entity.
int	getType () Get the description of the repository object.
java.lang.String	toString () Returns the name of the entity represented by this object.

Methods inherited from class java.lang.Object

```
clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

Constructor Detail

XMLEntityInfo

```
public XMLEntityInfo(int type,  
                    java.lang.String name,  
                    java.lang.String desc,  
                    java.lang.String notes)
```

Create a new XMLEntityInfo object representing a repository entity.

Parameters:

`type` - a `int` containing the type of the entity's content as defined in `com.bea.eci.repository.RepositoryTypes`

`name` - a `String` containing the name of the entity, which must be unique among all `TextDocument` objects in the repository.

`desc` - a `String` containing an optional description of the entity, which may be `null`.

`notes` - a `String` containing optional notes about the entity, which may be `null`.

XMLEntityInfo

```
public XMLEntityInfo(int type,  
                    java.lang.String name,  
                    java.lang.String desc,  
                    java.lang.String notes,  
                    java.sql.Timestamp createdOn,  
                    java.sql.Timestamp lastModifiedOn)
```

Create a new XMLEntityInfo object representing a repository object.

Parameters:

`type` - a `int` containing the type of the entity's content as defined in `com.bea.eci.repository.RepositoryTypes`

`name` - a `String` containing the name of the entity, which must be unique among all `TextDocument` objects in the repository.

`desc` - a `String` containing an optional description of the entity, which may be `null`.

`notes` - a `String` containing optional notes about the entity, which may be `null`.

`createdOn` - a `java.sql.Timestamp` object containing a time stamp of when the

entity was created.

lastModifiedOn - a `java.sql.Timestamp` object containing a time stamp of when the entity was last modified.

XMLEntityInfo

```
public XMLEntityInfo(int type,
                    java.lang.String name,
                    java.lang.String desc,
                    java.lang.String notes,
                    java.sql.Timestamp createdOn,
                    java.sql.Timestamp lastModifiedOn,
                    java.lang.String content)
```

Create a new `XMLEntityInfo` object representing a repository object.

Parameters:

`type` - a `int` containing the type of the entity's content as defined in `com.bea.eci.repository.RepositoryTypes`

`name` - a `String` containing the name of the entity, which must be unique among all `TextDocument` objects in the repository.

`desc` - a `String` containing an optional description of the entity, which may be `null`.

`notes` - a `String` containing optional notes about the entity, which may be `null`.

`createdOn` - a `java.sql.Timestamp` object containing a time stamp of when the entity was created.

`lastModifiedOn` - a `java.sql.Timestamp` object

`content` - a `String` containing the entity's content.

XMLEntityInfo

```
public XMLEntityInfo(int type,
                    java.lang.String name,
                    java.lang.String desc,
                    java.lang.String notes,
                    byte[] content)
```

Create a new `XMLEntityInfo` object representing a repository object.

Parameters:

`type` - a `int` containing the type of the entity's content as defined in `com.bea.eci.repository.RepositoryTypes`

`name` - a `String` containing the name of the entity, which must be unique among all

TextDocument objects in the repository.

desc - a String containing an optional description of the entity, which may be null.

notes - a String containing optional notes about the entity, which may be null.

content - a byte array containing the entity's content.

Method Detail

getType

```
public int getType()
```

Get the description of the repository object.

Returns:

an int representing the type of the entity's content. Values are defined in `com.bea.eci.repository.helper.Types`.

getName

```
public java.lang.String getName()
```

Get the description of the repository object.

Returns:

a String containing the name of the entity.

getDescription

```
public java.lang.String getDescription()
```

Get the description of the repository object.

Returns:

a String containing the description of the entity.

getNotes

```
public java.lang.String getNotes()
```

Get the notes about the entity.

Returns:

a String containing the notes associated with the entity.

getCreatedOn

```
public java.sql.Timestamp getCreatedOn()
```

Get when the entity was created.

Returns:

a `java.sql.Timestamp` containing the time stamp of when the entity was created.

getLastModifiedOn

```
public java.sql.Timestamp getLastModifiedOn()
```

Get when the entity was last modified.

Returns:

a `java.sql.Timestamp` containing the time stamp of when the entity was last updated.

getContent

```
public byte[] getContent()
```

Get the entity's content as an array of bytes.

Returns:

a `byte` array containing the entity's content.

getContentAsString

```
public java.lang.String getContentAsString()
```

Get the entity's content as a string.

Returns:

a `String` containing the entity's content.

toString

```
public java.lang.String toString()
```

Returns the name of the entity represented by this object.

Overrides:

toString in class java.lang.Object

Returns:

a String containing the name of the entity.

equals

```
public boolean equals(java.lang.Object obj)
```

Determines if two RepositoryFolderInfo objects are equal. The objects are compared by the following fields: type, name, major version, and minor version.

Overrides:

equals in class java.lang.Object

Parameters:

obj - the RepositoryFolderInfo object being compared to this one.

Returns:

true if the objects are the same, false if they are not.

compareTo

```
public int compareTo(java.lang.Object obj)
```

Determines if this XMLEntityInfo object is equal, less than, or greater than the passed in XMLEntityInfo object. Objects are compared on four fields: type, name, major version, and minor version, in that order.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - the XMLEntityInfo object that this XMLEntityInfo object is compared to.

Returns:

less than zero if this object is less than the passed in object, zero if this object and the passed in object are the same, greater than zero if this object is greater than the passed in object.

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com.bea.wlpi.client.common

Class ColumnsDialog

```
java.lang.Object
|
+--java.awt.Component
    |
    +--java.awt.Container
        |
        +--java.awt.Window
            |
            +--java.awt.Dialog
                |
                +--javax.swing.JDialog
                    |
                    +--com.bea.wlpi.client.common.ColumnsDialog
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable, javax.swing.WindowConstants

public class **ColumnsDialog**

extends javax.swing.JDialog

implements java.awt.event.ActionListener

A dialog to allow a user to customize the columns displayed in a JTable. This dialog uses a TableColumnModel (from a JTable) to display a list containing the currently displayed columns and another containing any other hidden columns that are available for display. The user can choose the set of displayed columns and their order. The dialog provides a reset button to restore the display to the hard-coded defaults supplied in the constructor.

See Also:

[ColumnsMenuItem](#), [ColumnSorterMenu](#), [WATableColumnModel](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JDialog

javax.swing.JDialog.AccessibleJDialog

Inner classes inherited from class java.awt.Dialog

java.awt.Dialog.AccessibleAWTDialog

Inner classes inherited from class `java.awt.Window`

`java.awt.Window.AccessibleAWTWindow`

Inner classes inherited from class `java.awt.Container`

`java.awt.Container.AccessibleAWTContainer`

Inner classes inherited from class `java.awt.Component`

`java.awt.Component.AccessibleAWTComponent`

Fields inherited from class `javax.swing.JDialog`

`accessibleContext`, `rootPane`, `rootPaneCheckingEnabled`

Fields inherited from class `java.awt.Component`

`BOTTOM_ALIGNMENT`, `CENTER_ALIGNMENT`, `LEFT_ALIGNMENT`, `RIGHT_ALIGNMENT`, `TOP_ALIGNMENT`

Fields inherited from interface `javax.swing.WindowConstants`

`DISPOSE_ON_CLOSE`, `DO_NOTHING_ON_CLOSE`, `HIDE_ON_CLOSE`

Fields inherited from interface `java.awt.image.ImageObserver`

`ABORT`, `ALLBITS`, `ERROR`, `FRAMEBITS`, `HEIGHT`, `PROPERTIES`, `SOMEBITS`, `WIDTH`

Constructor Summary

[ColumnsDialog](#)(`java.awt.Frame` owner,
`javax.swing.table.TableColumnModel` displayed,
`javax.swing.table.TableColumnModel` all,
`javax.swing.table.TableColumnModel` defaults)
Create a ColumnsDialog object for the specified table column model.

Method Summary

`void` [actionPerformed](#)(`java.awt.event.ActionEvent` event)

Methods inherited from class javax.swing.JDialog

addImpl, createRootPane, dialogInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, processWindowEvent, remove, setContentPane, setDefaultCloseOperation, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setLocationRelativeTo, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.awt.Dialog

addNotify, dispose, getTitle, hide, isModal, isResizable, setModal, setResizable, setTitle, show

Methods inherited from class java.awt.Window

addWindowListener, applyResourceBundle, applyResourceBundle, finalize, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, isShowing, pack, postEvent, processEvent, removeWindowListener, setCursor, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

ColumnsDialog

```
public ColumnsDialog(java.awt.Frame owner,  
                    javax.swing.table.TableColumnModel displayed,  
                    javax.swing.table.TableColumnModel all,  
                    javax.swing.table.TableColumnModel defaults)
```

Create a ColumnsDialog object for the specified table column model.

Parameters:

`owner` - The window that is to be this dialog's owner.

`displayed` - The currently displayed columns.

`all` - The set of all displayable columns.

`defaults` - The default set of displayable columns (used by the reset button).

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent event)
```

Specified by:

`actionPerformed` in interface `java.awt.event.ActionListener`

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com.bea.wlpi.client.common

Class AttachmentsLayout

java.lang.Object

|

+--com.bea.wlpi.client.common.AttachmentsLayout

All Implemented Interfaces:

java.awt.LayoutManager, java.awt.LayoutManager2

public class **AttachmentsLayout**

extends java.lang.Object

implements java.awt.LayoutManager2

A LayoutManager that uses attachments between components.

See Also:

[Attachments](#)

Constructor Summary

[AttachmentsLayout](#)()

Method Summary

void	addLayoutComponent (java.awt.Component comp, java.lang.Object constraints)
void	addLayoutComponent (java.lang.String name, java.awt.Component comp)
float	getLayoutAlignmentX (java.awt.Container target)
float	getLayoutAlignmentY (java.awt.Container target)

void	<u>invalidateLayout</u> (java.awt.Container target)
void	<u>layoutContainer</u> (java.awt.Container parent)
java.awt.Dimension	<u>maximumLayoutSize</u> (java.awt.Container parent)
java.awt.Dimension	<u>minimumLayoutSize</u> (java.awt.Container parent)
java.awt.Dimension	<u>preferredLayoutSize</u> (java.awt.Container parent)
void	<u>removeLayoutComponent</u> (java.awt.Component comp)
void	<u>setBorder</u> (int xBorder, int yBorder) Deprecated. <i>Set the border on the parent container instead.</i>

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

AttachmentsLayout

```
public AttachmentsLayout()
```

Method Detail

setBorder

```
public void setBorder(int xBorder,  
                       int yBorder)
```

Deprecated. *Set the border on the parent container instead.*

Set a border on the container.

Parameters:

xBorder - left and right border size.

yBorder - top and bottom border size.

addLayoutComponent

```
public void addLayoutComponent(java.lang.String name,  
                                java.awt.Component comp)
```

Specified by:

addLayoutComponent in interface java.awt.LayoutManager

removeLayoutComponent

```
public void removeLayoutComponent(java.awt.Component comp)
```

Specified by:

removeLayoutComponent in interface java.awt.LayoutManager

layoutContainer

```
public void layoutContainer(java.awt.Container parent)
```

Specified by:

layoutContainer in interface java.awt.LayoutManager

maximumLayoutSize

```
public java.awt.Dimension maximumLayoutSize(java.awt.Container parent)
```

Specified by:

maximumLayoutSize in interface java.awt.LayoutManager2

minimumLayoutSize

```
public java.awt.Dimension minimumLayoutSize(java.awt.Container parent)
```

Specified by:

minimumLayoutSize in interface java.awt.LayoutManager

preferredLayoutSize

```
public java.awt.Dimension preferredLayoutSize(java.awt.Container parent)
```

Specified by:

preferredLayoutSize in interface java.awt.LayoutManager

addLayoutComponent

```
public void addLayoutComponent(java.awt.Component comp,  
                                java.lang.Object constraints)
```

Specified by:

addLayoutComponent in interface java.awt.LayoutManager2

getLayoutAlignmentX

```
public float getLayoutAlignmentX(java.awt.Container target)
```

Specified by:

getLayoutAlignmentX in interface java.awt.LayoutManager2

getLayoutAlignmentY

```
public float getLayoutAlignmentY(java.awt.Container target)
```

Specified by:

getLayoutAlignmentY in interface java.awt.LayoutManager2

invalidateLayout

```
public void invalidateLayout(java.awt.Container target)
```

Specified by:

invalidateLayout in interface java.awt.LayoutManager2

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com.bea.wlpi.client.common

Class Attachments

java.lang.Object

|
+-- **com.bea.wlpi.client.common.Attachments**

public class **Attachments**

extends java.lang.Object

Layout constraints object used by AttachmentsLayout.

See Also:

[AttachmentsLayout](#)

Field Summary

static short	BOTTOM Component is attached to the bottom side of its parent.
static short	HCENTRE Component is horizontally centered on its parent.
static short	LEFT Component is attached to the left side of its parent.
static short	RIGHT Component is attached to the right side of its parent.
static short	TOP Component is attached to the top side of its parent.
static short	VCENTRE Component is vertically centered on its parent.

Constructor Summary

[Attachments](#) ()

Method Summary

short	<u>getAlignmentMask</u> (boolean bAbsolute) Determines the alignment schemes used by this attachment object.
java.awt.Component	<u>getRelativeToComponent</u> (short direction) Get the component relative to which this attachment object specifies its alignment.
protected java.awt.Rectangle	<u>position</u> (java.awt.Component comp, int parentHeight, int parentWidth, java.awt.Insets parentInsets) Position the specified component using the previously specified attachments.
void	<u>setBottomAttachment</u> (int attachmentOffset) Attach the bottom of a component to the bottom of its container.
void	<u>setBottomAttachment</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the bottom of one component to the top of another.
void	<u>setBottomAttachmentSameSide</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the bottom of one component to the bottom of another.
void	<u>setHeight</u> (int height) Set the height of the component that uses this attachment.
void	<u>setHorizontalCentering</u> () Center a component horizontally within its container.
void	<u>setHorizontalCentering</u> (java.awt.Component relativeTo) Horizontally center one component on another component.
void	<u>setHorizontalCentering</u> (int attachmentOffset) Horizontally offset a component from its container's horizontal center.
void	<u>setHorizontalCentering</u> (int attachmentOffset, java.awt.Component relativeTo) Horizontally center one component relative to another component.
void	<u>setLeftAttachment</u> (int attachmentOffset) Attach the left of a component to the left of its container.
void	<u>setLeftAttachment</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the left of one component to the right of another.
void	<u>setLeftAttachmentSameSide</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the left of one component to the left of another.

void	<u>setRightAttachment</u> (int attachmentOffset) Attach the right of a component to the right of its container.
void	<u>setRightAttachment</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the right of one component to the left of another.
void	<u>setRightAttachmentSameSide</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the right of one component to the right of another.
void	<u>setSize</u> (java.awt.Dimension dim) Set the size of the component that uses this attachment.
void	<u>setSize</u> (int width, int height) Set the size of the component that uses this attachment.
void	<u>setTopAttachment</u> (int attachmentOffset) Attach the top of a component to the top of its container.
void	<u>setTopAttachment</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the top of one component to the bottom of another.
void	<u>setTopAttachmentSameSide</u> (int attachmentOffset, java.awt.Component relativeTo) Attach the top of one component to the top of another.
void	<u>setVerticalCentering</u> () Center a component vertically within its container.
void	<u>setVerticalCentering</u> (java.awt.Component relativeTo) Vertically center one component on another component.
void	<u>setVerticalCentering</u> (int attachmentOffset) Vertically offset a component from its container's vertical center.
void	<u>setVerticalCentering</u> (int attachmentOffset, java.awt.Component relativeTo) Vertically center one component relative to another component.
void	<u>setWidth</u> (int width) Set the width of the component that uses this attachment.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

TOP

```
public static final short TOP
```

Component is attached to the top side of its parent.

VCENTRE

```
public static final short VCENTRE
```

Component is vertically centered on its parent.

BOTTOM

```
public static final short BOTTOM
```

Component is attached to the bottom side of its parent.

LEFT

```
public static final short LEFT
```

Component is attached to the left side of its parent.

HCENTRE

```
public static final short HCENTRE
```

Component is horizontally centered on its parent.

RIGHT

```
public static final short RIGHT
```

Component is attached to the right side of its parent.

Constructor Detail

Attachments

```
public Attachments()
```

Method Detail

getAlignmentMask

```
public short getAlignmentMask(boolean bAbsolute)
```

Determines the alignment schemes used by this attachment object.

Parameters:

`bAbsolute` - true to exclude alignment setting, if it is relative to another component.

Returns:

A bitmask containing the alignment flags, consisting of any combination of [TOP](#), [VCENTRE](#), [BOTTOM](#), [LEFT](#), [HCENTRE](#) and [RIGHT](#).

getRelativeToComponent

```
public java.awt.Component getRelativeToComponent(short direction)
```

Get the component relative to which this attachment object specifies its alignment.

Parameters:

`direction` - Specifies the direction [TOP](#), [VCENTRE](#), [BOTTOM](#), [LEFT](#), [HCENTRE](#) or [RIGHT](#)

Returns:

The "relative to" component, if any.

setBottomAttachment

```
public void setBottomAttachment(int attachmentOffset)
```

Attach the bottom of a component to the bottom of its container.

Parameters:

`attachmentOffset` - Offset from the bottom of the container.

setBottomAttachment

```
public void setBottomAttachment(int attachmentOffset,  
                                java.awt.Component relativeTo)
```

Attach the bottom of one component to the top of another.

Parameters:

attachmentOffset - Offset from the top of relativeTo.

relativeTo - The component relative to which this attachment is made.

setBottomAttachmentSameSide

```
public void setBottomAttachmentSameSide(int attachmentOffset,  
                                          java.awt.Component relativeTo)
```

Attach the bottom of one component to the bottom of another.

Parameters:

attachmentOffset - Offset from the bottom of relativeTo.

relativeTo - The component relative to which this attachment is made.

setTopAttachment

```
public void setTopAttachment(int attachmentOffset)
```

Attach the top of a component to the top of its container.

Parameters:

attachmentOffset - Offset from the top of the container.

setTopAttachment

```
public void setTopAttachment(int attachmentOffset,  
                              java.awt.Component relativeTo)
```

Attach the top of one component to the bottom of another.

Parameters:

attachmentOffset - Offset from the bottom of relativeTo.

relativeTo - The component relative to which this attachment is made.

setTopAttachmentSameSide

```
public void setTopAttachmentSameSide(int attachmentOffset,  
                                     java.awt.Component relativeTo)
```

Attach the top of one component to the top of another.

Parameters:

attachmentOffset - Offset from the top of relativeTo.

relativeTo - The component relative to which this attachment is made.

setVerticalCentering

```
public void setVerticalCentering()
```

Center a component vertically within its container.

setVerticalCentering

```
public void setVerticalCentering(int attachmentOffset)
```

Vertically offset a component from its container's vertical center.

Parameters:

attachmentOffset - Offset from the vertical center line.

setVerticalCentering

```
public void setVerticalCentering(java.awt.Component relativeTo)
```

Vertically center one component on another component.

Parameters:

relativeTo - The component relative to which this attachment is made.

setVerticalCentering

```
public void setVerticalCentering(int attachmentOffset,  
                                  java.awt.Component relativeTo)
```

Vertically center one component relative to another component.

Parameters:

attachmentOffset - Offset from vertical center line of relativeTo.
relativeTo - The component relative to which this attachment is made.

setLeftAttachment

```
public void setLeftAttachment(int attachmentOffset)
```

Attach the left of a component to the left of its container.

Parameters:

attachmentOffset - Offset from left of the container.

setLeftAttachment

```
public void setLeftAttachment(int attachmentOffset,  
                               java.awt.Component relativeTo)
```

Attach the left of one component to the right of another.

Parameters:

attachmentOffset - Offset from right of relativeTo.

relativeTo - The component relative to which this attachment is made.

setLeftAttachmentSameSide

```
public void setLeftAttachmentSameSide(int attachmentOffset,  
                                       java.awt.Component relativeTo)
```

Attach the left of one component to the left of another.

Parameters:

attachmentOffset - Offset from left of relativeTo.

relativeTo - The component relative to which this attachment is made.

setRightAttachment

```
public void setRightAttachment(int attachmentOffset)
```

Attach the right of a component to the right of its container.

Parameters:

attachmentOffset - Offset from right of the container.

setRightAttachment

```
public void setRightAttachment(int attachmentOffset,  
                               java.awt.Component relativeTo)
```

Attach the right of one component to the left of another.

Parameters:

`attachmentOffset` - Offset from left of `relativeTo`.

`relativeTo` - The component relative to which this attachment is made.

setRightAttachmentSameSide

```
public void setRightAttachmentSameSide(int attachmentOffset,  
                                         java.awt.Component relativeTo)
```

Attach the right of one component to the right of another.

Parameters:

`attachmentOffset` - Offset from right of `relativeTo`.

`relativeTo` - The component relative to which this attachment is made.

setHorizontalCentering

```
public void setHorizontalCentering()
```

Center a component horizontally within its container.

setHorizontalCentering

```
public void setHorizontalCentering(int attachmentOffset)
```

Horizontally offset a component from its container's horizontal center.

Parameters:

`attachmentOffset` - Offset from the horizontal center line.

setHorizontalCentering

```
public void setHorizontalCentering(java.awt.Component relativeTo)
```

Horizontally center one component on another component.

Parameters:

`relativeTo` - The component relative to which this attachment is made.

setHorizontalCentering

```
public void setHorizontalCentering(int attachmentOffset,  
                                     java.awt.Component relativeTo)
```

Horizontally center one component relative to another component.

Parameters:

`attachmentOffset` - Offset from the horizontal center line of `relativeTo`.

`relativeTo` - The component relative to which this attachment is made.

setWidth

```
public void setWidth(int width)
```

Set the width of the component that uses this attachment.

Parameters:

`width` - The component width.

setHeight

```
public void setHeight(int height)
```

Set the height of the component that uses this attachment.

Parameters:

`height` - The component height.

setSize

```
public void setSize(int width,  
                    int height)
```

Set the size of the component that uses this attachment.

Parameters:

`width` - The component width.

`height` - The component height.

setSize

```
public void setSize(java.awt.Dimension dim)
```

Set the size of the component that uses this attachment.

Parameters:

dim - The component size.

position

```
protected java.awt.Rectangle position(java.awt.Component comp,  
                                         int parentHeight,  
                                         int parentWidth,  
                                         java.awt.Insets parentInsets)  
                                         throws java.lang.Exception
```

Position the specified component using the previously specified attachments.

Parameters:

comp - The component to be positioned.

parentHeight - The height of the parent container.

parentWidth - The width of the parent container.

parentInsets - The insets of the parent container.

Returns:

The location for comp, according to the specified attachment rules.

Throws:

java.lang.Exception - if the previously specified attachments do not include both horizontal and vertical alignments.

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com.bea.wlpi.client.common

Class ColumnsMenuItem

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.AbstractButton
                |
                +-- javax.swing.JMenuItem
                    |
                    +-- com.bea.wlpi.client.common.ColumnsMenuItem
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.ItemSelectable, java.awt.MenuContainer, javax.swing.MenuElement, java.io.Serializable, javax.swing.SwingConstants

public class **ColumnsMenuItem**

extends javax.swing.JMenuItem

implements java.awt.event.ActionListener

Supports customization of JTables. When a JMenuItem of this class is added to a JMenu, the menu item is labeled 'Columns...'. Clicking it presents a dialog box listing the currently displayed columns and any other hidden columns available. The user may then use the dialog to customize the table by selecting the columns to display and the order in which to display them.

See Also:

[ColumnsDialog](#), [ColumnSorterMenu](#), [WATableColumnModel](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JMenuItem

javax.swing.JMenuItem.AccessibleJMenuItem

Inner classes inherited from class javax.swing.AbstractButton

javax.swing.AbstractButton.AccessibleAbstractButton,
javax.swing.AbstractButton.ButtonChangeListener

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.AbstractButton

actionListener, BORDER_PAINTED_CHANGED_PROPERTY, changeEvent, changeListener, CONTENT_AREA_FILLED_CHANGED_PROPERTY, DISABLED_ICON_CHANGED_PROPERTY, DISABLED_SELECTED_ICON_CHANGED_PROPERTY, FOCUS_PAINTED_CHANGED_PROPERTY, HORIZONTAL_ALIGNMENT_CHANGED_PROPERTY, HORIZONTAL_TEXT_POSITION_CHANGED_PROPERTY, ICON_CHANGED_PROPERTY, itemListener, MARGIN_CHANGED_PROPERTY, MNEMONIC_CHANGED_PROPERTY, model, MODEL_CHANGED_PROPERTY, PRESSED_ICON_CHANGED_PROPERTY, ROLLOVER_ENABLED_CHANGED_PROPERTY, ROLLOVER_ICON_CHANGED_PROPERTY, ROLLOVER_SELECTED_ICON_CHANGED_PROPERTY, SELECTED_ICON_CHANGED_PROPERTY, TEXT_CHANGED_PROPERTY, VERTICAL_ALIGNMENT_CHANGED_PROPERTY, VERTICAL_TEXT_POSITION_CHANGED_PROPERTY

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.SwingConstants

BOTTOM, CENTER, EAST, HORIZONTAL, LEADING, LEFT, NORTH, NORTH_EAST, NORTH_WEST, RIGHT, SOUTH, SOUTH_EAST, SOUTH_WEST, TOP, TRAILING, VERTICAL, WEST

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[ColumnsMenuItem](#)(javax.swing.table.TableColumnModel columns,
javax.swing.table.TableColumnModel allColumns,
javax.swing.table.TableColumnModel defaultColumns)

Create a ColumnsMenuItem to customize the specified table column model.

Method Summary

void [actionPerformed](#)(java.awt.event.ActionEvent e)

Methods inherited from class javax.swing.JMenuItem

addMenuDragMouseListener, addMenuKeyListener,
configurePropertiesFromAction, createActionPropertyChangeListener,
fireMenuDragMouseDragged, fireMenuDragMouseEntered,
fireMenuDragMouseExited, fireMenuDragMouseReleased,
fireMenuKeyPressed, fireMenuKeyReleased, fireMenuKeyTyped,
getAccelerator, getAccessibleContext, getComponent, getSubElements,
getUIClassID, init, isArmed, menuSelectionChanged, paramString,
processKeyEvent, processMenuDragMouseEvent, processMenuKeyEvent,
processMouseEvent, removeMenuDragMouseListener,
removeMenuKeyListener, setAccelerator, setArmed, setEnabled, setUI,
updateUI

Methods inherited from class javax.swing.AbstractButton

addActionListener, addChangeListener, addItemListener,
checkHorizontalKey, checkVerticalKey, createActionListener,
createChangeListener, createItemListener, doClick, doClick,
fireActionPerformed, fireItemStateChanged, fireStateChanged,
getAction, getActionCommand, getDisabledIcon,
getDisabledSelectedIcon, getHorizontalAlignment,
getHorizontalTextPosition, getIcon, getLabel, getMargin, getMnemonic,
getModel, getPressedIcon, getRolloverIcon, getRolloverSelectedIcon,
getSelectedIcon, getSelectedObjects, getText, getUI,
getVerticalAlignment, getVerticalTextPosition, imageUpdate,
isBorderPainted, isContentAreaFilled, isFocusPainted,
isFocusTraversable, isRolloverEnabled, isSelected, paintBorder,
removeActionListener, removeChangeListener, removeItemListener,
setAction, setActionCommand, setBorderPainted, setContentAreaFilled,
setDisabledIcon, setDisabledSelectedIcon, setFocusPainted,

setHorizontalAlignment, setHorizontalTextPosition, setIcon, setLabel, setMargin, setMnemonic, setMnemonic, setModel, setPressedIcon, setRolloverEnabled, setRolloverIcon, setRolloverSelectedIcon, setSelected, setSelectedIcon, setText, setUI, setVerticalAlignment, setVerticalTextPosition

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

ColumnsMenuItem

```
public ColumnsMenuItem(javax.swing.table.TableColumnModel columns,  
                        javax.swing.table.TableColumnModel allColumns,  
                        javax.swing.table.TableColumnModel defaultColumns)
```

Create a ColumnsMenuItem to customize the specified table column model.

Parameters:

columns - Column model to customize.

allColumns - The set of all displayable columns.

defaultColumns - The default set of displayable columns.

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent e)
```

Specified by:

actionPerformed in interface java.awt.event.ActionListener

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com.bea.wlpi.client.common

Class ColumnSorterMenu

```
java.lang.Object
|
+--java.awt.Component
|
+--java.awt.Container
|
+--javax.swing.JComponent
|
+--javax.swing.AbstractButton
|
+--javax.swing.JMenuItem
|
+--javax.swing.JMenu
|
+--com.bea.wlpi.client.common.ColumnSorterMenu
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.ItemSelectable, java.awt.MenuContainer, javax.swing.MenuElement, java.io.Serializable, javax.swing.SwingConstants, javax.swing.event.TableColumnModelListener, javax.swing.event.TableModelListener

```
public class ColumnSorterMenu
```

```
extends javax.swing.JMenu
```

```
implements java.awt.event.ActionListener, javax.swing.event.TableColumnModelListener,
javax.swing.event.TableModelListener
```

A JMenu that supports sorting of JTables. The menu displays columns from the TableColumnModel as radio buttons in a sub-menu, with an additional checkbox item to indicate ascending or descending sorting. Selecting a menu item or clicking a column header causes the list to be sorted on the selected column.

See Also:

[ColumnsDialog](#), [ColumnsMenuItem](#), [SortableTableModel](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JMenu

javax.swing.JMenu.AccessibleJMenu, javax.swing.JMenu.WinListener

Inner classes inherited from class javax.swing.JMenuItem

javax.swing.JMenuItem.AccessibleJMenuItem

Inner classes inherited from class javax.swing.AbstractButton

javax.swing.AbstractButton.AccessibleAbstractButton,
javax.swing.AbstractButton.ButtonChangeListener

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JMenu

popupListener

Fields inherited from class javax.swing.AbstractButton

actionListener, BORDER_PAINTED_CHANGED_PROPERTY, changeEvent, changeListener, CONTENT_AREA_FILLED_CHANGED_PROPERTY, DISABLED_ICON_CHANGED_PROPERTY, DISABLED_SELECTED_ICON_CHANGED_PROPERTY, FOCUS_PAINTED_CHANGED_PROPERTY, HORIZONTAL_ALIGNMENT_CHANGED_PROPERTY, HORIZONTAL_TEXT_POSITION_CHANGED_PROPERTY, ICON_CHANGED_PROPERTY, itemListener, MARGIN_CHANGED_PROPERTY, MNEMONIC_CHANGED_PROPERTY, model, MODEL_CHANGED_PROPERTY, PRESSED_ICON_CHANGED_PROPERTY, ROLLOVER_ENABLED_CHANGED_PROPERTY, ROLLOVER_ICON_CHANGED_PROPERTY, ROLLOVER_SELECTED_ICON_CHANGED_PROPERTY, SELECTED_ICON_CHANGED_PROPERTY, TEXT_CHANGED_PROPERTY, VERTICAL_ALIGNMENT_CHANGED_PROPERTY, VERTICAL_TEXT_POSITION_CHANGED_PROPERTY

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.SwingConstants

BOTTOM, CENTER, EAST, HORIZONTAL, LEADING, LEFT, NORTH, NORTH_EAST, NORTH_WEST, RIGHT, SOUTH, SOUTH_EAST, SOUTH_WEST, TOP, TRAILING, VERTICAL, WEST

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[ColumnSorterMenu](#)(javax.swing.JTable table)

Create a ColumnSorterMenu associated with the specified JTable.

Method Summary

void [actionPerformed](#)(java.awt.event.ActionEvent e)

void [columnAdded](#)(javax.swing.event.TableColumnModelEvent e)

void [columnMarginChanged](#)(javax.swing.event.ChangeEvent e)

void [columnMoved](#)(javax.swing.event.TableColumnModelEvent e)

void [columnRemoved](#)(javax.swing.event.TableColumnModelEvent e)

void [columnSelectionChanged](#)(javax.swing.event.ListSelectionEvent e)

void [setTable](#)(javax.swing.JTable table)

Associate this menu item with a table.

void [tableChanged](#)(javax.swing.event.TableModelEvent e)

Methods inherited from class javax.swing.JMenu

add, add, add, add, add, addMenuListener, addSeparator, createActionChangeListener, createActionComponent, createWinListener, doClick, fireMenuCanceled, fireMenuDeselected, fireMenuSelected, getAccessibleContext, getComponent, getDelay, getItem, getItemCount, getMenuComponent, getMenuComponentCount, getMenuComponents, getPopupMenu, getPopupMenuOrigin, getSubElements, getUIClassID, insert, insert, insert, insertSeparator, isMenuComponent, isPopupMenuVisible, isSelected, isTearOff, isTopLevelMenu, menuSelectionChanged, paramString, processKeyEvent, remove, remove, remove, removeAll, removeMenuListener, setAccelerator, setDelay, setMenuLocation, setModel, setPopupMenuVisible, setSelected, updateUI

Methods inherited from class javax.swing.JMenuItem

```
addMenuDragMouseListener, addMenuKeyListener,
configurePropertiesFromAction, createActionPropertyChangeListener,
fireMenuDragMouseDragged, fireMenuDragMouseEntered,
fireMenuDragMouseExited, fireMenuDragMouseReleased,
fireMenuKeyPressed, fireMenuKeyReleased, fireMenuKeyTyped,
getAccelerator, init, isArmed, processKeyEvent,
processMenuDragMouseEvent, processMenuKeyEvent, processMouseEvent,
removeMenuDragMouseListener, removeMenuKeyListener, setArmed,
setEnabled, setUI
```

Methods inherited from class javax.swing.AbstractButton

```
addActionListener, addChangeListener, addItemListener,
checkHorizontalKey, checkVerticalKey, createActionListener,
createChangeListener, createItemListener, doClick,
fireActionPerformed, fireItemStateChanged, fireStateChanged,
getAction, getActionCommand, getDisabledIcon,
getDisabledSelectedIcon, getHorizontalAlignment,
getHorizontalTextPosition, getIcon, getLabel, getMargin, getMnemonic,
getModel, getPressedIcon, getRolloverIcon, getRolloverSelectedIcon,
getSelectedIcon, getSelectedObjects, getText, getUI,
getVerticalAlignment, getVerticalTextPosition, imageUpdate,
isBorderPainted, isContentAreaFilled, isFocusPainted,
isFocusTraversable, isRolloverEnabled, paintBorder,
removeActionListener, removeChangeListener, removeItemListener,
setAction, setActionCommand, setBorderPainted, setContentAreaFilled,
setDisabledIcon, setDisabledSelectedIcon, setFocusPainted,
setHorizontalAlignment, setHorizontalTextPosition, setIcon, setLabel,
setMargin, setMnemonic, setMnemonic, setPressedIcon,
setRolloverEnabled, setRolloverIcon, setRolloverSelectedIcon,
setSelectedIcon, setText, setUI, setVerticalAlignment,
setVerticalTextPosition
```

Methods inherited from class javax.swing.JComponent

```
addAncestorListener, addNotify, addPropertyChangeListener,
addPropertyChangeListener, addVetoableChangeListener,
computeVisibleRect, contains, createToolTip, disable, enable,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
fireVetoableChange, getActionForKeyStroke, getActionMap,
getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds,
getClientProperty, getComponentGraphics, getConditionForKeyStroke,
getDebugGraphicsOptions, getGraphics, getHeight, getInputMap,
getInputMap, getInputVerifier, getInsets, getInsets, getListeners,
getLocation, getMaximumSize, getMinimumSize,
getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes,
getRootPane, getSize, getToolTipLocation, getToolTipText,
getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget,
getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide,
isDoubleBuffered, isFocusCycleRoot, isLightweightComponent,
isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque,
```

isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

Methods inherited from interface `javax.swing.MenuElement`

`processKeyEvent`, `processMouseEvent`

Constructor Detail

ColumnSorterMenu

```
public ColumnSorterMenu(javax.swing.JTable table)
```

Create a `ColumnSorterMenu` associated with the specified `JTable`.

Parameters:

`table` - The table to sort.

Throws:

`java.lang.IllegalArgumentException` - if `table` does not have a [SortableTableModel](#).

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent e)
```

Specified by:

`actionPerformed` in interface `java.awt.event.ActionListener`

columnAdded

```
public void columnAdded(javax.swing.event.TableColumnModelEvent e)
```

Specified by:

`columnAdded` in interface `javax.swing.event.TableColumnModelListener`

columnMarginChanged

```
public void columnMarginChanged(javax.swing.event.ChangeEvent e)
```

Specified by:

`columnMarginChanged` in interface `javax.swing.event.TableColumnModelListener`

columnMoved

```
public void columnMoved(javax.swing.event.TableColumnModelEvent e)
```

Specified by:

columnMoved in interface javax.swing.event.TableColumnModelListener

columnRemoved

```
public void columnRemoved(javax.swing.event.TableColumnModelEvent e)
```

Specified by:

columnRemoved in interface javax.swing.event.TableColumnModelListener

columnSelectionChanged

```
public void columnSelectionChanged(javax.swing.event.ListSelectionEvent e)
```

Specified by:

columnSelectionChanged in interface javax.swing.event.TableColumnModelListener

tableChanged

```
public void tableChanged(javax.swing.event.TableModelEvent e)
```

Specified by:

tableChanged in interface javax.swing.event.TableModelListener

setTable

```
public void setTable(javax.swing.JTable table)
```

Associate this menu item with a table.

Throws:

java.lang.IllegalArgumentException - if table does not have a [SortableTableModel](#).

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com.bea.wlpi.client.common

Class CustomEventComboBoxRenderer

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.JLabel
                |
                +-- javax.swing.plaf.basic.BasicComboBoxRenderer
                    |
                    +-- com.bea.wlpi.client.common.CustomEventComboBoxRenderer
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.image.ImageObserver, javax.swing.ListCellRenderer, java.awt.MenuContainer, java.io.Serializable, javax.swing.SwingConstants

```
public class CustomEventComboBoxRenderer
```

```
extends javax.swing.plaf.basic.BasicComboBoxRenderer
```

A BasicComboBoxRenderer that paints the selected item from the list in the JComboBox field. It also displays a tool tip text for the selected item. CustomEventComboBoxRenderer.getListCellRendererComponent is called when displaying the selected item and the tool tip text.

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.plaf.basic.BasicComboBoxRenderer

javax.swing.plaf.basic.BasicComboBoxRenderer.UIResource

Inner classes inherited from class javax.swing.JLabel

javax.swing.JLabel.AccessibleJLabel

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.plaf.basic.BasicComboBoxRenderer

noFocusBorder

Fields inherited from class javax.swing.JLabel

labelFor

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.SwingConstants

BOTTOM, CENTER, EAST, HORIZONTAL, LEADING, LEFT, NORTH, NORTH_EAST, NORTH_WEST, RIGHT, SOUTH, SOUTH_EAST, SOUTH_WEST, TOP, TRAILING, VERTICAL, WEST

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[CustomEventComboBoxRenderer](#)(java.lang.String[] pluginNames, java.lang.String[] customItems, java.lang.String wlpItem)
Create a CustomEventComboBoxRenderer.

Method Summary

java.awt.Component	getListCellRendererComponent (javax.swing.JList list, java.lang.Object value, int index, boolean isSelected, boolean cellHasFocus)
--------------------	---

Methods inherited from class javax.swing.plaf.basic.BasicComboBoxRenderer

getPreferredSize

Methods inherited from class javax.swing.JLabel

checkHorizontalKey, checkVerticalKey, getAccessibleContext, getDisabledIcon, getDisplayedMnemonic, getHorizontalAlignment, getHorizontalTextPosition, getIcon, getIconTextGap, getLabelFor, getText, getUI, getUIClassID, getVerticalAlignment, getVerticalTextPosition, imageUpdate, paramString, setDisabledIcon, setDisplayedMnemonic, setDisplayedMnemonic, setHorizontalAlignment, setHorizontalTextPosition, setIcon, setIconTextGap, setLabelFor, setText, setUI, setVerticalAlignment, setVerticalTextPosition, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent,

processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor,

```
setDropTarget, setLocale, setLocation, setLocation, setName, setSize,
setSize, show, show, size, toString, transferFocus
```

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait,
wait, wait
```

Constructor Detail

CustomEventComboBoxRenderer

```
public CustomEventComboBoxRenderer(java.lang.String[] pluginNames,
                                   java.lang.String[] customItems,
                                   java.lang.String wlpiItem)
```

Create a CustomEventComboBoxRenderer.

Parameters:

pluginNames - The array of rich plugin names.

customItems - The array of custom event descriptions.

wlpiItem - The name of the default WLPI event.

Method Detail

getListCellRendererComponent

```
public java.awt.Component getListCellRendererComponent(javax.swing.JList list,
                                                       java.lang.Object value,
                                                       int index,
                                                       boolean isSelected,
                                                       boolean cellHasFocus)
```

Overrides:

getListCellRendererComponent in class

javax.swing.plaf.basic.BasicComboBoxRenderer

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Class ExceptionHandler

java.lang.Object

|

+-- com.bea.wlpi.client.common.ExceptionHandler

All Implemented Interfaces:

java.lang.Runnable

public class **ExceptionHandler**

extends java.lang.Object

implements java.lang.Runnable

Reports exceptions in WebLogic Process Integrator clients.

Method Summary

static void	reportException (java.lang.Exception e) Deprecated. Use the two-args overload to pass a parent component. This ensures that the message box is displayed correctly and avoids lost-focus problems.
static void	reportException (java.lang.Exception e, java.awt.Component parent) Report the specified exception.
void	run () Internal use only.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

reportException

```
public static void reportException(java.lang.Exception e)
```

Deprecated. Use the [two-args overload](#) to pass a parent component. This ensures that the message box is displayed correctly and avoids lost-focus problems.

Report the specified exception.

Parameters:

e - The exception to report.

See Also:

[reportException\(Exception, Component\)](#)

reportException

```
public static void reportException(java.lang.Exception e,  
                                     java.awt.Component parent)
```

Report the specified exception. This handler prints the exception stack trace and displays a message box containing the exception details. If the exception is of class [WorkflowException](#), the handler chooses a warning or error icon according to the severity of the error. In all other cases, it uses the error icon. Wherever possible, the handler localizes text in the locale of the caller. The handler displays the message box on the AWT Event dispatcher thread.

Parameters:

e - The exception to report.

parent - Display modally with respect to this component.

See Also:

[reportException\(Exception, Component\)](#)

run

```
public void run()
```

Internal use only.

Specified by:

run in interface `java.lang.Runnable`

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Class ExtensionFileFilter

java.lang.Object

|
+-- javax.swing.filechooser.FileFilter|
+-- **com.bea.wlpi.client.common.ExtensionFileFilter**public class **ExtensionFileFilter**

extends javax.swing.filechooser.FileFilter

FileChooser filter that discriminates by file extension.

Constructor Summary

[ExtensionFileFilter](#)(java.lang.String description)

Create an ExtensionFileFilter with the specified description.

Method Summary

boolean [accept](#)(java.io.File f)

Whether the given file is accepted by the filter.

void [addExtension](#)(java.lang.String extension)

Add another extension to the list of those recognized by the filter.

java.lang.String [getDescription](#)()

The description of this filter.

void [setDescription](#)(java.lang.String description)

Set the description.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

ExtensionFileFilter

```
public ExtensionFileFilter(java.lang.String description)
```

Create an `ExtensionFileFilter` with the specified description.

Parameters:

`description` - text to appear in the "Files of type" list.

Method Detail

accept

```
public boolean accept(java.io.File f)
```

Whether the given file is accepted by the filter.

Overrides:

`accept` in class `javax.swing.filechooser.FileFilter`

Parameters:

`f` - The file to test.

Returns:

`true` if the filter accepted the file, otherwise `false`.

addExtension

```
public void addExtension(java.lang.String extension)
```

Add another extension to the list of those recognized by the filter.

Parameters:

`extension` - extension (excluding the '.' character).

setDescription

```
public void setDescription(java.lang.String description)
```

Set the description.

Parameters:

description - Text to appear in the "Files of type" list.

See Also:

[getDescription\(\)](#)

getDescription

```
public java.lang.String getDescription()
```

The description of this filter. For example: "JPG and GIF Images."

Overrides:

getDescription in class javax.swing.filechooser.FileFilter

Returns:

Text to appear in the "Files of type" list.

See Also:

[setDescription\(java.lang.String\)](#)

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Class GUID

java.lang.Object

|
+-- **com.bea.wlpi.client.common.GUID**public class **GUID**

extends java.lang.Object

A utility class for generating global unique ID. The ID is combined by ip address and time.

Field Summary

java.lang.String	guid
------------------	----------------------

Constructor Summary

[GUID](#)()

Generate a new instance of GUID.

Method Summary

boolean	equals (java.lang.Object obj) Compare with another instance of GUID.
---------	---

int	hashCode () Get the hash code of the instance of GUID.
-----	--

java.lang.String	toString () Get the string value of the instance of GUID.
------------------	---

Methods inherited from class java.lang.Object

clone, finalize, getClass, notify, notifyAll, wait, wait, wait

Field Detail

guid

```
public java.lang.String guid
```

Constructor Detail

GUID

```
public GUID()
```

Generate a new instance of GUID.

Method Detail

toString

```
public java.lang.String toString()
```

Get the string value of the instance of GUID.

Overrides:

toString in class java.lang.Object

Returns:

the string value of GUID.

hashCode

```
public int hashCode()
```

Get the hash code of the instance of GUID.

Overrides:

hashCode in class java.lang.Object

Returns:

the hash code integer value.

equals

```
public boolean equals(java.lang.Object obj)
```

Compare with another instance of GUID.

Overrides:

`equals` in class `java.lang.Object`

Returns:

true if they are equals.

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Class HelpListener

java.lang.Object

|
+-- **com.bea.wlpi.client.common.HelpListener**

All Implemented Interfaces:

java.awt.event.ActionListener, java.util.EventListener

public class **HelpListener**

extends java.lang.Object

implements java.awt.event.ActionListener

Launches online help in an HTML browser or via JavaHelp.

Field Summary

protected int	helpType
protected java.lang.String	topicID
protected java.net.URL	url

Constructor Summary

[HelpListener](#)(java.net.URL url, java.lang.String topicID, int helpType)

Method Summary

void	actionPerformed (java.awt.event.ActionEvent e)
------	--

protected void	displayHTMLHelp()
protected void	displayJavaHelp()
static void	displayURL (java.lang.String url)
static boolean	isWindowsPlatform () Try to determine whether this application is running under Windows or some other platform by examining the "os.name" property.
static void	setHelpBroker (javax.help.HelpBroker broker)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

url

protected java.net.URL **url**

topicID

protected java.lang.String **topicID**

helpType

protected int **helpType**

Constructor Detail

HelpListener

```
public HelpListener(java.net.URL url,  
                    java.lang.String topicID,  
                    int helpType)
```

Method Detail

setHelpBroker

```
public static void setHelpBroker(javax.help.HelpBroker broker)
```

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent e)
```

Specified by:

actionPerformed in interface java.awt.event.ActionListener

displayHTMLHelp

```
protected void displayHTMLHelp()
```

displayJavaHelp

```
protected void displayJavaHelp()
```

displayURL

```
public static void displayURL(java.lang.String url)
```

isWindowsPlatform

```
public static boolean isWindowsPlatform()
```

Try to determine whether this application is running under Windows or some other platform by examining the "os.name" property.

Returns:

true if this application is running under a Windows OS

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Class ImageFactory

java.lang.Object

|

+-- **com.bea.wlpi.client.common.ImageFactory**public class **ImageFactory**

extends java.lang.Object

A static factory class that creates and caches images and icons. This class is provided to enable access to images in JAR files, because the `ImageIcon(URL)` constructor now requires an absolute URL that references the actual JAR file in which the image is located. Pre JDK 1.1 releases used `sun.net.*` classes to search all JARs referenced in an applet's ARCHIVE tag, but this is no longer the case.

Method Summary

static javax.swing.ImageIcon	getIcon (java.lang.String name) An icon constructed from the specified resource.
static java.lang.String	getName (javax.swing.ImageIcon icon) Get the resource name used to construct the specified icon.
static java.net.URL	getResource (java.lang.String name) Get a URL for the specified resource.

Methods inherited from class java.lang.Object

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Method Detail

getIcon

```
public static javax.swing.ImageIcon getIcon(java.lang.String name)
```

An icon constructed from the specified resource. The class caches Icons internally, and it is the cached icon that this method returns.

Parameters:

name - Resource name (fully qualified with '/' separators).

Returns:

The requested icon.

getName

```
public static java.lang.String getName(javax.swing.ImageIcon icon)
```

Get the resource name used to construct the specified icon. The icon is assumed to have been created by a prior call to [getIcon\(java.lang.String\)](#).

Parameters:

icon - Existing icon object.

Returns:

The original resource name (if known).

getResource

```
public static java.net.URL getResource(java.lang.String name)
```

Get a URL for the specified resource. The method constructs the URL by this using the calling class's own ClassLoader, thus using the same protocol and codebase.

Parameters:

name - Resource name (fully qualified with '/' separators).

Returns:

A URL for the specified resource name.

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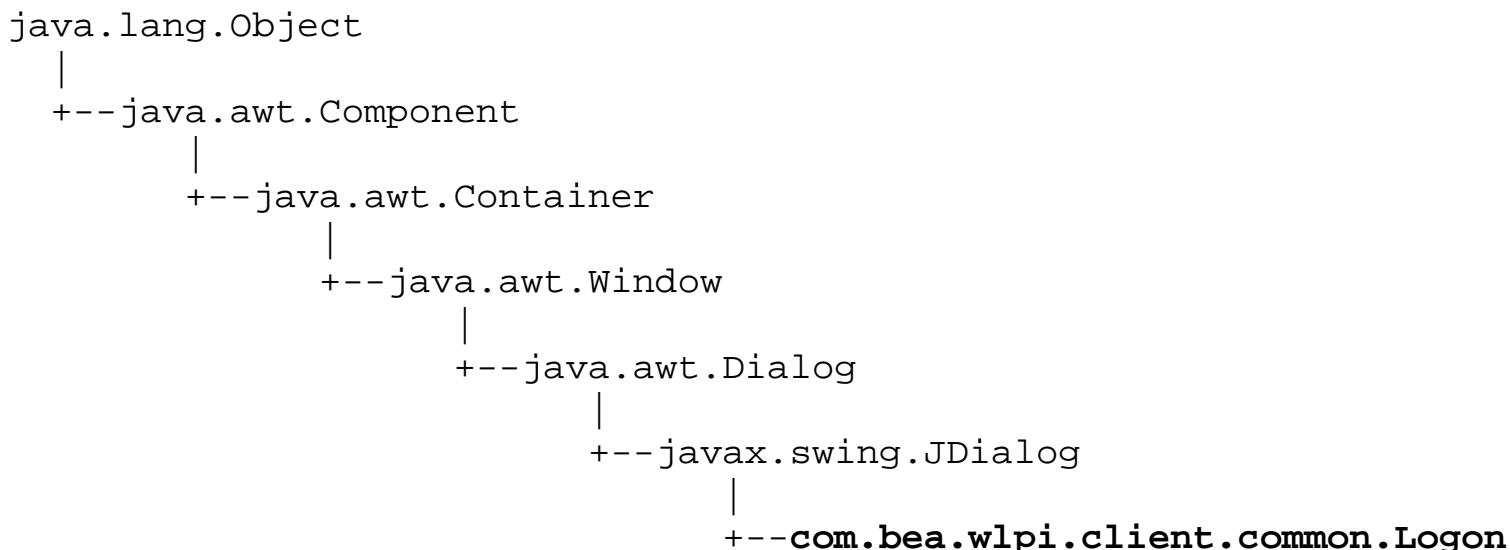
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Class Logon



All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable, javax.swing.WindowConstants

public class **Logon**

extends javax.swing.JDialog

implements java.awt.event.ActionListener

A dialog to capture WebLogic Process Integrator user ID, password and server URL.

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JDialog

javax.swing.JDialog.AccessibleJDialog

Inner classes inherited from class java.awt.Dialog

java.awt.Dialog.AccessibleAWTDialog

Inner classes inherited from class `java.awt.Window`

`java.awt.Window.AccessibleAWTWindow`

Inner classes inherited from class `java.awt.Container`

`java.awt.Container.AccessibleAWTContainer`

Inner classes inherited from class `java.awt.Component`

`java.awt.Component.AccessibleAWTComponent`

Fields inherited from class `javax.swing.JDialog`

`accessibleContext`, `rootPane`, `rootPaneCheckingEnabled`

Fields inherited from class `java.awt.Component`

`BOTTOM_ALIGNMENT`, `CENTER_ALIGNMENT`, `LEFT_ALIGNMENT`, `RIGHT_ALIGNMENT`, `TOP_ALIGNMENT`

Fields inherited from interface `javax.swing.WindowConstants`

`DISPOSE_ON_CLOSE`, `DO_NOTHING_ON_CLOSE`, `HIDE_ON_CLOSE`

Fields inherited from interface `java.awt.image.ImageObserver`

`ABORT`, `ALLBITS`, `ERROR`, `FRAMEBITS`, `HEIGHT`, `PROPERTIES`, `SOMEBITS`, `WIDTH`

Constructor Summary

[Logon](#) ()

Create a logon dialog.

[Logon](#) (`java.awt.Frame` owner, `java.lang.String` url, `java.lang.String` userId, `java.lang.String` password)

Create a logon dialog with fields primed to the supplied values.

Method Summary

void	<u>actionPerformed</u> (java.awt.event.ActionEvent e) Internal use only.
java.lang.String	<u>getPassword</u> () Return the password.
java.lang.String	<u>getUrl</u> () Return the WebLogic Process Integrator server URL.
java.lang.String	<u>getUserId</u> () Return the user ID.
boolean	<u>okay</u> () Check whether user pressed the OK button.

Methods inherited from class javax.swing.JDialog

addImpl, createRootPane, dialogInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, processWindowEvent, remove, setContentPane, setDefaultCloseOperation, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setLocationRelativeTo, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.awt.Dialog

addNotify, dispose, getTitle, hide, isModal, isResizable, setModal, setResizable, setTitle, show

Methods inherited from class java.awt.Window

addWindowListener, applyResourceBundle, applyResourceBundle, finalize, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, isShowing, pack, postEvent, processEvent, removeWindowListener, setCursor, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

```
clone, equals, getClass, hashCode, notify, notifyAll, wait, wait,  
wait
```

Constructor Detail

Logon

```
public Logon()  
    Create a logon dialog.
```

Logon

```
public Logon(java.awt.Frame owner,  
             java.lang.String url,  
             java.lang.String userId,  
             java.lang.String password)  
    Create a logon dialog with fields primed to the supplied values.
```

Parameters:

`owner` - The window that is to be this dialog's owner.
`url` - Server URL in protocol://host:port format.
`userId` - User ID.
`password` - Password.

Method Detail

okay

```
public boolean okay()  
    Check whether user pressed the OK button.
```

Returns:

`true` - if the URL and user ID are non-blank and the user closed the dialog by pressing the OK button.

getUrl

```
public java.lang.String getUrl()
```

Return the WebLogic Process Integrator server URL.

Returns:

The WebLogic Process Integrator server URL.

getUserId

```
public java.lang.String getUserId()
```

Return the user ID.

Returns:

The user ID.

getPassword

```
public java.lang.String getPassword()
```

Return the password.

Returns:

The password.

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent e)
```

Internal use only.

Specified by:

actionPerformed in interface java.awt.event.ActionListener

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com.bea.wlpi.client.common

Class LookAndFeelMenu

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.AbstractButton
                |
                +-- javax.swing.JMenuItem
                    |
                    +-- javax.swing.JMenu
                        |
                        +-- com.bea.wlpi.client.common.LookAndFeelMenu
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.ItemSelectable, java.awt.MenuContainer, javax.swing.MenuElement, java.io.Serializable, javax.swing.SwingConstants

```
public class LookAndFeelMenu
```

```
extends javax.swing.JMenu
```

```
implements java.awt.event.ActionListener
```

A JMenu that supports configuration of the pluggable Swing "Look And Feel."

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JMenu

javax.swing.JMenu.AccessibleJMenu, javax.swing.JMenu.WinListener

Inner classes inherited from class javax.swing.JMenuItem

javax.swing.JMenuItem.AccessibleJMenuItem

Inner classes inherited from class javax.swing.AbstractButton

javax.swing.AbstractButton.AccessibleAbstractButton, javax.swing.AbstractButton.ButtonChangeListener

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JMenu

popupListener

Fields inherited from class javax.swing.AbstractButton

actionListener, BORDER_PAINTED_CHANGED_PROPERTY, changeEvent, changeListener, CONTENT_AREA_FILLED_CHANGED_PROPERTY, DISABLED_ICON_CHANGED_PROPERTY, DISABLED_SELECTED_ICON_CHANGED_PROPERTY, FOCUS_PAINTED_CHANGED_PROPERTY, HORIZONTAL_ALIGNMENT_CHANGED_PROPERTY, HORIZONTAL_TEXT_POSITION_CHANGED_PROPERTY, ICON_CHANGED_PROPERTY, itemListener, MARGIN_CHANGED_PROPERTY, MNEMONIC_CHANGED_PROPERTY, model, MODEL_CHANGED_PROPERTY, PRESSED_ICON_CHANGED_PROPERTY, ROLLOVER_ENABLED_CHANGED_PROPERTY, ROLLOVER_ICON_CHANGED_PROPERTY, ROLLOVER_SELECTED_ICON_CHANGED_PROPERTY, SELECTED_ICON_CHANGED_PROPERTY, TEXT_CHANGED_PROPERTY, VERTICAL_ALIGNMENT_CHANGED_PROPERTY, VERTICAL_TEXT_POSITION_CHANGED_PROPERTY

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.SwingConstants

BOTTOM, CENTER, EAST, HORIZONTAL, LEADING, LEFT, NORTH, NORTH_EAST, NORTH_WEST, RIGHT, SOUTH, SOUTH_EAST, SOUTH_WEST, TOP, TRAILING, VERTICAL, WEST

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[LookAndFeelMenu](#)(javax.swing.JComponent root)

Create a new LookAndFeelMenu.

Method Summary

void [actionPerformed](#)(java.awt.event.ActionEvent e)

Internal use only.

Methods inherited from class javax.swing.JMenu

add, add, add, add, add, addMenuListener, addSeparator, createActionChangeListener, createActionComponent, createWinListener, doClick, fireMenuCanceled, fireMenuDeselected, fireMenuSelected, getAccessibleContext, getComponent, getDelay, getItem, getItemCount, getMenuComponent, getMenuComponentCount, getMenuComponents, getPopupMenu, getPopupMenuOrigin, getSubElements, getUIClassID, insert, insert, insert, insertSeparator, isMenuComponent, isPopupMenuVisible, isSelected, isTearOff, isTopLevelMenu, menuSelectionChanged, paramString, processKeyEvent, remove, remove, remove, removeAll, removeMenuListener, setAccelerator, setDelay, setMenuLocation, setModel, setPopupMenuVisible, setSelected, updateUI

Methods inherited from class javax.swing.JMenuItem

addMenuDragMouseListener, addMenuKeyListener, configurePropertiesFromAction, createActionPropertyChangeListener, fireMenuDragMouseDragged, fireMenuDragMouseEntered, fireMenuDragMouseExited, fireMenuDragMouseReleased, fireMenuKeyPressed, fireMenuKeyReleased, fireMenuKeyTyped, getAccelerator, init, isArmed, processKeyEvent, processMenuDragMouseEvent, processMenuKeyEvent, processMouseEvent, removeMenuDragMouseListener, removeMenuKeyListener, setArmed, setEnabled, setUI

Methods inherited from class javax.swing.AbstractButton

addActionListener, addChangeListener, addItemListener, checkHorizontalKey, checkVerticalKey, createActionListener, createChangeListener, createItemListener, doClick, fireActionPerformed, fireItemStateChanged, fireStateChanged, getAction, getActionCommand, getDisabledIcon, getDisabledSelectedIcon, getHorizontalAlignment, getHorizontalTextPosition, getIcon, getLabel, getMargin, getMnemonic, getModel, getPressedIcon, getRolloverIcon, getRolloverSelectedIcon, getSelectedIcon, getSelectedObjects, getText, getUI, getVerticalAlignment, getVerticalTextPosition, imageUpdate, isBorderPainted, isContentAreaFilled, isFocusPainted, isFocusTraversable, isRolloverEnabled, paintBorder, removeActionListener, removeChangeListener, removeItemListener, setAction, setActionCommand, setBorderPainted, setContentAreaFilled, setDisabledIcon, setDisabledSelectedIcon, setFocusPainted, setHorizontalAlignment, setHorizontalTextPosition, setIcon, setLabel, setMargin, setMnemonic, setMnemonic, setPressedIcon, setRolloverEnabled, setRolloverIcon, setRolloverSelectedIcon, setSelectedIcon, setText, setUI, setVerticalAlignment, setVerticalTextPosition

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setFont,

setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Methods inherited from interface javax.swing.MenuElement

processKeyEvent, processMouseEvent

Constructor Detail

LookAndFeelMenu

```
public LookAndFeelMenu(javax.swing.JComponent root)
```

Create a new LookAndFeelMenu.

Parameters:

`root` - The root of component tree to repaint when the user clicks this menu item to select a different GUI look and feel.

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent e)
```

Internal use only.

Specified by:

`actionPerformed` in interface `java.awt.event.ActionListener`

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com.bea.wlpi.client.common

Class MappedTableModel

java.lang.Object

|
+-- javax.swing.table.AbstractTableModel|
+-- **com.bea.wlpi.client.common.MappedTableModel**

All Implemented Interfaces:

java.util.EventListener, java.io.Serializable, javax.swing.table.TableModel,
javax.swing.event.TableModelListener

Direct Known Subclasses:

[SortableTableModel](#)public abstract class **MappedTableModel**

extends javax.swing.table.AbstractTableModel

implements javax.swing.event.TableModelListener

Abstract class to support mapping of table models. In a chain of data manipulators, some behavior is common. `MappedTable` provides most of this behavior and can be subclassed by filters that only need to override a handful of specific methods. `MappedTable` implements `TableModel` by routing all requests to its model and `TableModelListener` by routing all events to its listeners. Inserting a `MappedTable`, which has not been subclassed, into a chain of table filters should have no effect.

See Also:

[Serialized Form](#)

Field Summary

protected	javax.swing.table.TableModel	model
-----------	------------------------------	-----------------------

Fields inherited from class javax.swing.table.AbstractTableModel

listenerList

Constructor Summary

[MappedTableModel\(\)](#)

Method Summary

java.lang.Class	getColumnClass (int col)
int	getColumnCount ()
java.lang.String	getColumnName (int col)
javax.swing.table.TableModel	getModel ()
int	getRowCount ()
java.lang.Object	getValueAt (int row, int col)
boolean	isCellEditable (int row, int col)
void	setModel (javax.swing.table.TableModel model) Set the inner table model (i.e., the one actually providing the data).
void	setValueAt (java.lang.Object value, int row, int col)
void	tableChanged (javax.swing.event.TableModelEvent e)

Methods inherited from class javax.swing.table.AbstractTableModel

addTableModelListener, findColumn, fireTableCellUpdated, fireTableChanged, fireTableDataChanged, fireTableRowsDeleted, fireTableRowsInserted, fireTableRowsUpdated, fireTableStructureChanged, getListeners, removeTableModelListener

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

model

```
protected javax.swing.table.TableModel model
```

Constructor Detail

MappedTableModel

```
public MappedTableModel()
```

Method Detail

getModel

```
public javax.swing.table.TableModel getModel()
```

Returns:

The inner table model (i.e., the one actually providing the data).

setModel

```
public void setModel(javax.swing.table.TableModel model)
```

Set the inner table model (i.e., the one actually providing the data).

Parameters:

model - the new model.

getValueAt

```
public java.lang.Object getValueAt(int row,  
                                     int col)
```

Overrides:

getValueAt in class javax.swing.table.AbstractTableModel

setValueAt

```
public void setValueAt(java.lang.Object value,  
                        int row,  
                        int col)
```

Overrides:

setValueAt in class javax.swing.table.AbstractTableModel

getRowCount

```
public int getRowCount()
```

Overrides:

getRowCount in class javax.swing.table.AbstractTableModel

getColumnCount

```
public int getColumnCount()
```

Overrides:

getColumnCount in class javax.swing.table.AbstractTableModel

getColumnName

```
public java.lang.String getColumnName(int col)
```

Overrides:

getColumnName in class javax.swing.table.AbstractTableModel

getColumnClass

```
public java.lang.Class getColumnClass(int col)
```

Overrides:

getColumnClass in class javax.swing.table.AbstractTableModel

isCellEditable

```
public boolean isCellEditable(int row,  
                               int col)
```

Overrides:

`isCellEditable` in class `javax.swing.table.AbstractTableModel`

tableChanged

```
public void tableChanged(javax.swing.event.TableModelEvent e)
```

Specified by:

`tableChanged` in interface `javax.swing.event.TableModelListener`

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Class MessageDialog

java.lang.Object

|

+-- **com.bea.wlpi.client.common.MessageDialog**public class **MessageDialog**

extends java.lang.Object

A dialog to display a message in a scrollable text area. This class exists because of a problem in the current Swing JOptionPane implementation, whereby a JOptionPane does not correctly resize custom components embedded within it.

Constructor Summary

[MessageDialog](#)(java.awt.Component parentComponent,
java.lang.String message)
Create a new MessageDialog.

[MessageDialog](#)(java.awt.Component parentComponent,
java.lang.String message, int messageType)
Create a new MessageDialog.

[MessageDialog](#)(java.awt.Component parentComponent,
java.lang.String message, int messageType, int width, int height,
java.lang.String title)
Create a new MessageDialog.

[MessageDialog](#)(java.awt.Component parentComponent,
java.lang.String message, int messageType, java.lang.String title)
Create a new MessageDialog.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll,
toString, wait, wait, wait

Constructor Detail

MessageDialog

```
public MessageDialog(java.awt.Component parentComponent,  
                      java.lang.String message)
```

Create a new MessageDialog.

Parameters:

parentComponent - The owner for this dialog.

message - The message to display.

MessageDialog

```
public MessageDialog(java.awt.Component parentComponent,  
                      java.lang.String message,  
                      int messageType)
```

Create a new MessageDialog.

Parameters:

parentComponent - The owner for this dialog.

message - The message to display.

messageType - The icon to display:

javax.swing.JOptionPane.ERROR_MESSAGE, WARNING_MESSAGE,
INFORMATION_MESSAGE, QUESTION_MESSAGE, PLAIN_MESSAGE.

MessageDialog

```
public MessageDialog(java.awt.Component parentComponent,  
                      java.lang.String message,  
                      int messageType,  
                      java.lang.String title)
```

Create a new MessageDialog.

Parameters:

parentComponent - The owner for this dialog.

message - The message to display.

messageType - The icon to display:

javax.swing.JOptionPane.ERROR_MESSAGE, WARNING_MESSAGE,

INFORMATION_MESSAGE, QUESTION_MESSAGE, PLAIN_MESSAGE.

title - The dialog title.

MessageDialog

```
public MessageDialog(java.awt.Component parentComponent,  
    java.lang.String message,  
    int messageType,  
    int width,  
    int height,  
    java.lang.String title)
```

Create a new MessageDialog.

Parameters:

parentComponent - The owner for this dialog.

message - The message to display.

messageType - The icon to display:

javax.swing.JOptionPane.ERROR_MESSAGE, WARNING_MESSAGE,
INFORMATION_MESSAGE, QUESTION_MESSAGE, PLAIN_MESSAGE.

title - The dialog title.

width - The dialog width.

height - The dialog height.

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Class Resources

java.lang.Object

|
+-- **com.bea.wlpi.client.common.Resources**public class **Resources**

extends java.lang.Object

Manages localized resources used by WebLogic Process Integrator client classes. This static class locates and caches ResourceBundles (including a default bundle used by all classes in this package). The class provides methods to retrieve localized strings, characters and parameterized messages from either the default bundle or one named by the caller. The latter facility is for use by other client packages. The locale is a global (i.e., static) attribute, initially set to the system default. The locale may be set programmatically by calling the static method [setLocale\(java.util.Locale\)](#). The default resource bundle is backed by the properties file

com/bea/wlpi/client/common/text/Text.properties or a localized version thereof (e.g. ~/Text_en_US.properties).

Constructor Summary

[Resources](#)()

Method Summary

static char	getChar (java.lang.String key) Get a localized character from the default resource bundle.
-------------	--

static char	getChar (java.lang.String key, java.lang.String bundle) Get a localized character from the named resource bundle.
-------------	--

static java.util.Locale	getLocale () Return the current locale.
-------------------------	--

<code>static java.lang.String</code>	getString (<code>java.lang.String key</code>) Get a localized string from the default resource bundle.
<code>static java.lang.String</code>	getString (<code>java.lang.String key</code> , <code>java.lang.Object[] args</code>) Get a localized message from the default resource bundle, formatted with the supplied arguments.
<code>static java.lang.String</code>	getString (<code>java.lang.String key</code> , <code>java.lang.Object[] args</code> , <code>java.lang.String bundle</code>) Get a localized message from the named resource bundle, formatted with the supplied arguments.
<code>static java.lang.String</code>	getString (<code>java.lang.String key</code> , <code>java.lang.String bundle</code>) Get a localized string from the named resource bundle.
<code>static void</code>	setLocale (<code>java.util.Locale locale</code>) Set the locale.

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`,
`toString`, `wait`, `wait`, `wait`

Constructor Detail

Resources

`public Resources()`

Method Detail

setLocale

`public static void setLocale`(`java.util.Locale locale`)

Set the locale.

Parameters:

`locale` - The locale to set.

getLocale

```
public static java.util.Locale getLocale()
```

Return the current locale.

Returns:

The current locale (set initially to the system locale).

getChar

```
public static char getChar(java.lang.String key)
```

Get a localized character from the default resource bundle.

Parameters:

key - The resource key.

Returns:

A localized character matching the specified key.

getString

```
public static java.lang.String getString(java.lang.String key)
```

Get a localized string from the default resource bundle.

Parameters:

key - The resource key.

Returns:

A localized resource string matching the specified key.

getString

```
public static java.lang.String getString(java.lang.String key,  
                                           java.lang.Object[] args)
```

Get a localized message from the default resource bundle, formatted with the supplied arguments.

Parameters:

key - The resource key.

args - Arguments to be inserted into the message text.

Returns:

A localized, formatted message string matching the specified key.

getChar

```
public static char getChar(java.lang.String key,  
                             java.lang.String bundle)
```

Get a localized character from the named resource bundle.

Parameters:

`key` - The resource key.

Returns:

A localized resource character matching the specified key.

getString

```
public static java.lang.String getString(java.lang.String key,  
                                           java.lang.String bundle)
```

Get a localized string from the named resource bundle.

Parameters:

`key` - The resource key.

Returns:

A localized resource string matching the specified key.

getString

```
public static java.lang.String getString(java.lang.String key,  
                                           java.lang.Object[] args,  
                                           java.lang.String bundle)
```

Get a localized message from the named resource bundle, formatted with the supplied arguments.

Parameters:

`key` - The resource key.

`args` - Arguments to be inserted into the message text.

Returns:

A localized, formatted message string matching the specified key.

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com.bea.wlpi.client.common

Class SortableTableModel

```
java.lang.Object
|
+-- javax.swing.table.AbstractTableModel
    |
    +-- com.bea.wlpi.client.common.MappedTableModel
        |
        +-- com.bea.wlpi.client.common.SortableTableModel
```

All Implemented Interfaces:

java.util.EventListener, java.io.Serializable, javax.swing.table.TableModel,
javax.swing.event.TableModelListener

public final class **SortableTableModel**

extends [MappedTableModel](#)

A sorter for TableModels. The sorter has a backing model (conforming to TableModel) and implements TableModel. SortableTableModel does not store or copy the data in the TableModel, instead it maintains a parallel array of integer indexes into the underlying table model. The sorter registers itself with the underlying model as a TableModelListener and responds to changes in the model by adjusting or reallocating its index array. As requests are made of the sorter (like `getValueAt(row, col)`) it redirects them to its model via the mapping array. That way the SortableTableModel appears to hold another copy of the table with the rows in a different order. The sorter uses a stable algorithm, which means that it does not move rows around when its comparison function returns 0 to denote that they are equivalent.

See Also:

[Serialized Form](#)

Field Summary

static boolean	debug
----------------	-----------------------

Fields inherited from class com.bea.wlpi.client.common.[MappedTableModel](#)

[model](#)

Fields inherited from class javax.swing.table.AbstractTableModel

listenerList

Constructor Summary

[SortableTableModel](#)()

Create a new SortableTableModel with no backing model.

[SortableTableModel](#)(javax.swing.table.TableModel model)

Create a new SortableTableModel with the specified backing model.

Method Summary

int [getMappedRow](#)(int row)
Return a mapped row number.

int [getSortIndex](#)()
Return the current sort column index.

java.lang.Object [getValueAt](#)(int row, int col)
Return a table cell value.

boolean [isSortAscending](#)()
Check whether sort order is ascending or descending.

void [load](#)(java.util.Properties prop,
java.lang.String prefix)
Retrieve the sort column index and sort order from a Properties object.

void [setModel](#)(javax.swing.table.TableModel model)
Set the backing model.

void [setValueAt](#)(java.lang.Object value, int row, int col)
Set a table cell value.

void [sort](#)()
Re-sort the table using the previously specified column and order.

void [sort](#)(int col)
Sort the table on the specified column in ascending order.

void [sort](#)(int col, boolean ascending)
Sort the table on the specified column in the specified order.

void	store (java.util.Properties prop, java.lang.String prefix) Store the sort column index and sort order.
------	--

void	tableChanged (javax.swing.event.TableModelEvent e) Respond to a "table changed" notification event.
------	--

Methods inherited from class com.bea.wlpi.client.common.[MappedTableModel](#)

[getColumnClass](#), [getColumnCount](#), [getColumnName](#), [getModel](#), [getRowCount](#),
[isCellEditable](#)

Methods inherited from class javax.swing.table.[AbstractTableModel](#)

[addTableModelListener](#), [findColumn](#), [fireTableCellUpdated](#),
[fireTableChanged](#), [fireTableDataChanged](#), [fireTableRowsDeleted](#),
[fireTableRowsInserted](#), [fireTableRowsUpdated](#),
[fireTableStructureChanged](#), [getListeners](#), [removeTableModelListener](#)

Methods inherited from class java.lang.[Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#),
[toString](#), [wait](#), [wait](#), [wait](#)

Field Detail

debug

```
public static boolean debug
```

Constructor Detail

SortableTableModel

```
public SortableTableModel()
```

Create a new `SortableTableModel` with no backing model.

SortableTableModel

```
public SortableTableModel(javax.swing.table.TableModel model)
```

Create a new `SortableTableModel` with the specified backing model. (The backing model supplies the actual data.)

Parameters:

`model` - The backing table model.

Method Detail

setModel

```
public void setModel(javax.swing.table.TableModel model)
```

Set the backing model. (The backing model supplies the actual data.)

Overrides:

[setModel](#) in class [MappedTableModel](#)

Parameters:

`model` - The backing table model.

sort

```
public void sort()
```

Re-sort the table using the previously specified column and order. If the table is currently unsorted, the method has no effect.

See Also:

[sort\(int\)](#), [sort\(int, boolean\)](#)

sort

```
public void sort(int col)
```

Sort the table on the specified column in ascending order.

Parameters:

`col` - The column number on which to sort.

See Also:

[sort\(\)](#), [sort\(int, boolean\)](#)

sort

```
public void sort(int col,  
                 boolean ascending)
```

Sort the table on the specified column in the specified order. The implementation achieves this by sorting the array of mapping indexes, which are initially set to the identity mapping (i.e. `indexes[i] = i` for $0 \leq i < \text{indexes.length}$). If `col == -1`, the mapping reverts to the identity mapping.

Parameters:

`col` - The column number on which to sort.

`ascending` -

See Also:

[sort\(\)](#), [sort\(int\)](#)

getMappedRow

```
public int getMappedRow(int row)
```

Return a mapped row number.

Parameters:

`row` - The logical row number in the JTable.

Returns:

The physical row number in the backing model.

getSortIndex

```
public int getSortIndex()
```

Return the current sort column index.

Returns:

The index of the current sort column, or `-1` if unsorted.

isSortAscending

```
public boolean isSortAscending()
```

Check whether sort order is ascending or descending.

Returns:

true for ascending sort order.

store

```
public void store(java.util.Properties prop,  
                  java.lang.String prefix)
```

Store the sort column index and sort order.

Parameters:

prop - A `Properties` object in which to store values.

prefix - String with which to prefix the entries (caller must avoid namespace conflicts).

See Also:

[load\(java.util.Properties, java.lang.String\)](#)

load

```
public void load(java.util.Properties prop,  
                 java.lang.String prefix)
```

Retrieve the sort column index and sort order from a `Properties` object. It is assumed that the `Properties` object contains value from a prior call to `store`.

Parameters:

prop - `Properties` object in which to store values.

prefix - String with which to prefix the entries (caller must avoid namespace conflicts).

See Also:

[store\(java.util.Properties, java.lang.String\)](#)

getValueAt

```
public java.lang.Object getValueAt(int row,  
                                     int col)
```

Return a table cell value.

Overrides:

[getValueAt](#) in class [MappedTableModel](#)

Parameters:

row - The logical row number.

col - The logical column number.

Returns:

The value in the specified table cell.

setValueAt

```
public void setValueAt(java.lang.Object value,  
                      int row,  
                      int col)
```

Set a table cell value.

Overrides:

[setValueAt](#) in class [MappedTableModel](#)

Parameters:

value - The value to set.
row - The logical row number.
col - The logical column number.

tableChanged

```
public void tableChanged(javax.swing.event.TableModelEvent e)
```

Respond to a "table changed" notification event.

Overrides:

[tableChanged](#) in class [MappedTableModel](#)

Parameters:

e - The notification event.

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com.bea.wlpi.client.common

Class Tasklist

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.JScrollPane
                |
                +-- com.bea.wlpi.client.common.Tasklist
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.jms.MessageListener, javax.swing.ScrollPaneConstants, java.io.Serializable

public class **Tasklist**

extends javax.swing.JScrollPane

implements javax.jms.MessageListener

Displays a list of tasks for a user, role or workflow instance. Although this class supports multiple instances, they must all use the same server URL.

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JScrollPane

javax.swing.JScrollPane.AccessibleJScrollPane,
javax.swing.JScrollPane.ScrollBar

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Field Summary

static javax.swing.table.TableColumnModel	allColumns A table column model containing the set of all displayable columns.
static boolean	debug Set to true to enable diagnostic output.

Fields inherited from class javax.swing.JScrollPane

columnHeader, horizontalScrollBar, horizontalScrollBarPolicy, lowerLeft, lowerRight, rowHeader, upperLeft, upperRight, verticalScrollBar, verticalScrollBarPolicy, viewport

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.ScrollPaneConstants

COLUMN_HEADER, HORIZONTAL_SCROLLBAR, HORIZONTAL_SCROLLBAR_ALWAYS, HORIZONTAL_SCROLLBAR_AS_NEEDED, HORIZONTAL_SCROLLBAR_NEVER, HORIZONTAL_SCROLLBAR_POLICY, LOWER_LEADING_CORNER, LOWER_LEFT_CORNER, LOWER_RIGHT_CORNER, LOWER_TRAILING_CORNER, ROW_HEADER, UPPER_LEADING_CORNER, UPPER_LEFT_CORNER, UPPER_RIGHT_CORNER, UPPER_TRAILING_CORNER, VERTICAL_SCROLLBAR, VERTICAL_SCROLLBAR_ALWAYS, VERTICAL_SCROLLBAR_AS_NEEDED, VERTICAL_SCROLLBAR_NEVER, VERTICAL_SCROLLBAR_POLICY, VIEWPORT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[Tasklist](#)([WLPI](#) wlpi, javax.swing.table.TableColumnModel columns, java.lang.String instanceId)

Create a Tasklist for the specified workflow instance.

[Tasklist](#)([WLPI](#) wlpi, javax.swing.table.TableColumnModel columns, java.lang.String listId, boolean bRole, boolean bPending, boolean bDone, boolean bInactive)

Create a Tasklist for the specified user or role.

Method Summary

void	exit () Called when the task list is no longer required, in order that the task list may perform cleanup operations.
javax.swing.table.TableColumnModel	getColumnModel () Return the underlying TableColumnModel object.
TaskInfo	getCurrentObject () Return the currently selected task.
javax.swing.table.TableModel	getModel () Return the underlying TableModel object.
javax.swing.JTable	getTable () Return the underlying JTable object.

static void	<u>init</u> (java.lang.String jndiFactory, java.lang.String jmsFactory, java.lang.String topicName) Initialize installation-specific settings.
void	<u>onMessage</u> (javax.jms.Message msg) Respond to a JMS task notification message.
void	<u>paint</u> (java.awt.Graphics g) Overridden to implement a workaround for a Swing bug - In JDK 1.2 JTable paints the unused area of a list in the wrong color.
void	<u>refresh</u> () Rebuild the contents of this task list.
void	<u>setFilters</u> (boolean bPending, boolean bDone, boolean bInactive) Set the list filtering.

Methods inherited from class javax.swing.JScrollPane

createHorizontalScrollBar, createVerticalScrollBar, createViewport, getAccessibleContext, getColumnHeader, getCorner, getHorizontalScrollBar, getHorizontalScrollBarPolicy, getRowHeader, getUI, getUIClassID, getVerticalScrollBar, getVerticalScrollBarPolicy, getViewport, getViewportBorder, getViewportBorderBounds, isValidateRoot, paramString, setColumnHeader, setColumnHeaderView, setComponentOrientation, setCorner, setHorizontalScrollBar, setHorizontalScrollBarPolicy, setLayout, setRowHeader, setRowHeaderView, setUI, setVerticalScrollBar, setVerticalScrollBarPolicy, setViewport, setViewportBorder, setViewportView, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

debug

```
public static boolean debug
```

Set to true to enable diagnostic output.

allColumns

```
public static javax.swing.table.TableColumnModel allColumns
```

A table column model containing the set of all displayable columns.

Constructor Detail

Tasklist

```
public Tasklist(WLPI wlpi,  
                javax.swing.table.TableColumnModel columns,  
                java.lang.String listId,  
                boolean bRole,  
                boolean bPending,  
                boolean bDone,  
                boolean bInactive)  
    throws WorkflowException
```

Create a Tasklist for the specified user or role.

Parameters:

wlpi - The WebLogic Process Integrator server connection to use.

columns - The column model to use.

listId - The ID of the user or role.

bRole - true if this is a task list for a role.

bPending - true to include pending tasks.

bDone - true to include completed tasks.

bInactive - true to include inactive tasks.

Tasklist

```
public Tasklist(WLPI wlpi,  
               javax.swing.table.TableColumnModel columns,  
               java.lang.String instanceId)  
    throws WorkflowException
```

Create a Tasklist for the specified workflow instance.

Parameters:

wlpi - The WebLogic Process Integrator server connection to use.

columns - The column model to use.

instanceId - The workflow instance ID.

Method Detail

init

```
public static void init(java.lang.String jndiFactory,  
                        java.lang.String jmsFactory,  
                        java.lang.String topicName)
```

Initialize installation-specific settings. These settings override the hard-coded defaults for the class as described below.

Parameters:

jndiFactory - The fully qualified class name of JNDI initial context factory. The default value is `weblogic.jndi.WLInitialContextFactory`.

jmsFactory - The JNDI name of the JMS topic connection factory to use. The default value is `javax.jms.TopicConnectionFactory`.

topicName - The JNDI name of the JMS topic on which the server broadcasts worklist-related update notifications. The default value is `com.bea.wlpi.NotifyTopic`

exit

```
public void exit()
```

Called when the task list is no longer required, in order that the task list may perform cleanup operations. The implementation closes the connection to the JMS notification topic.

getTable

```
public javax.swing.JTable getTable()
```

Return the underlying JTable object.

Returns:

The underlying JTable object.

getModel

```
public javax.swing.table.TableModel getModel()
```

Return the underlying TableModel object.

Returns:

The underlying TableModel object.

getColumnModel

```
public javax.swing.table.TableColumnModel getColumnModel()
```

Return the underlying TableColumnModel object.

Returns:

the underlying TableColumnModel object.

onMessage

```
public void onMessage(javax.jms.Message msg)
```

Respond to a JMS task notification message.

Specified by:

onMessage in interface javax.jms.MessageListener

Parameters:

e - The notification message.

refresh

```
public void refresh()
```

throws [WorkflowException](#)

Rebuild the contents of this task list.

Throws:

[WorkflowException](#) - if an exception prevented the server from returning the list of tasks or if a communications error occurred.

setFilters

```
public void setFilters(boolean bPending,  
                        boolean bDone,  
                        boolean bInactive)
```

Set the list filtering.

Parameters:

bPending - true to include pending tasks.

bDone - true to include completed tasks.

bInactive - true to include inactive tasks.

getCurrentObject

```
public TaskInfo getCurrentObject()
```

Return the currently selected task.

Returns:

The currently selected task (or null if no selection).

paint

```
public void paint(java.awt.Graphics g)
```

Overridden to implement a workaround for a Swing bug - In JDK 1.2 JTable paints the unused area of a list in the wrong color.

Overrides:

paint in class javax.swing.JComponent

Parameters:

g - The graphics object to use.

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com.bea.wlpi.client.common

Class TaskPropertiesDialog

```
java.lang.Object
|
+--java.awt.Component
|   |
|   +--java.awt.Container
|       |
|       +--java.awt.Window
|           |
|           +--java.awt.Dialog
|               |
|               +--javax.swing.JDialog
|                   |
|                   +--com.bea.wlpi.client.common.TaskPropertiesDialog
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener,
java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable,
javax.swing.WindowConstants

public class **TaskPropertiesDialog**

extends javax.swing.JDialog

implements java.awt.event.ActionListener

A dialog to enable a user to update the properties and permission flags for a task.

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JDialog

javax.swing.JDialog.AccessibleJDialog

Inner classes inherited from class java.awt.Dialog

java.awt.Dialog.AccessibleAWTDialog

Inner classes inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JDialog

accessibleContext, rootPane, rootPaneCheckingEnabled

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.WindowConstants

DISPOSE_ON_CLOSE, DO_NOTHING_ON_CLOSE, HIDE_ON_CLOSE

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[TaskPropertiesDialog](#)(java.awt.Frame owner, [WLPI](#) wlpi, [TaskInfo](#) task)
Create a new TaskPropertiesDialog for the specified task.

Method Summary

void [actionPerformed](#)(java.awt.event.ActionEvent event)

Methods inherited from class javax.swing.JDialog

addImpl, createRootPane, dialogInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, processWindowEvent, remove, setContentPane, setDefaultCloseOperation, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setLocationRelativeTo, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.awt.Dialog

addNotify, dispose, getTitle, hide, isModal, isResizable, setModal, setResizable, setTitle, show

Methods inherited from class java.awt.Window

addWindowListener, applyResourceBundle, applyResourceBundle, finalize, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, isShowing, pack, postEvent, processEvent, removeWindowListener, setCursor, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

TaskPropertiesDialog

```
public TaskPropertiesDialog(java.awt.Frame owner,
                           WLPI wlpi,
                           TaskInfo task)
```

Create a new TaskPropertiesDialog for the specified task.

Parameters:

owner - The window that is to be this dialog's owner.

wlpi - WebLogic Process Integrator server connection to use.

task - Task for which to display/update properties.

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent event)
```

Specified by:

actionPerformed in interface java.awt.event.ActionListener

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com.bea.wlpi.client.common

Class TaskReassignDialog

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- java.awt.Window
            |
            +-- java.awt.Dialog
                |
                +-- javax.swing.JDialog
                    |
                    +-- com.bea.wlpi.client.common.TaskReassignDialog
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable, javax.swing.WindowConstants

```
public class TaskReassignDialog
```

```
extends javax.swing.JDialog
```

```
implements java.awt.event.ActionListener
```

A dialog to enable a user to reassign a task to another user or role.

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JDialog

javax.swing.JDialog.AccessibleJDialog

Inner classes inherited from class java.awt.Dialog

java.awt.Dialog.AccessibleAWTDialog

Inner classes inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow

Inner classes inherited from class java.awt.Container

`java.awt.Container.AccessibleAWTContainer`

Inner classes inherited from class `java.awt.Component`

`java.awt.Component.AccessibleAWTComponent`

Fields inherited from class `javax.swing.JDialog`

`accessibleContext`, `rootPane`, `rootPaneCheckingEnabled`

Fields inherited from class `java.awt.Component`

`BOTTOM_ALIGNMENT`, `CENTER_ALIGNMENT`, `LEFT_ALIGNMENT`, `RIGHT_ALIGNMENT`, `TOP_ALIGNMENT`

Fields inherited from interface `javax.swing.WindowConstants`

`DISPOSE_ON_CLOSE`, `DO_NOTHING_ON_CLOSE`, `HIDE_ON_CLOSE`

Fields inherited from interface `java.awt.image.ImageObserver`

`ABORT`, `ALLBITS`, `ERROR`, `FRAMEBITS`, `HEIGHT`, `PROPERTIES`, `SOMEBITS`, `WIDTH`

Constructor Summary

[TaskReassignDialog](#)(`java.awt.Frame` owner, [WLPI](#) wlpi, [TaskInfo](#) task)

Create a new `TaskReassignDialog` for the specified task.

Method Summary

void [actionPerformed](#)(`java.awt.event.ActionEvent` event)

Methods inherited from class `javax.swing.JDialog`

`addImpl`, `createRootPane`, `dialogInit`, `getAccessibleContext`, `getContentPane`, `getDefaultCloseOperation`, `getGlassPane`, `getJMenuBar`, `getLayeredPane`, `getRootPane`, `isRootPaneCheckingEnabled`, `paramString`, `processKeyEvent`, `processWindowEvent`, `remove`, `setContentPane`, `setDefaultCloseOperation`, `setGlassPane`, `setJMenuBar`, `setLayeredPane`, `setLayout`, `setLocationRelativeTo`, `setRootPane`, `setRootPaneCheckingEnabled`, `update`

Methods inherited from class `java.awt.Dialog`

addNotify, dispose, getTitle, hide, isModal, isResizable, setModal, setResizable, setTitle, show

Methods inherited from class java.awt.Window

addWindowListener, applyResourceBundle, applyResourceBundle, finalize, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, isShowing, pack, postEvent, processEvent, removeWindowListener, setCursor, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener,

removePropertyChangeListener, repaint, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

TaskReassignDialog

```
public TaskReassignDialog(java.awt.Frame owner,  
                           WLPI wlpi,  
                           TaskInfo task)  
    throws WorkflowException
```

Create a new TaskReassignDialog for the specified task.

Parameters:

owner - The window that is to be this dialog's owner.

wlpi - The WebLogic Process Integrator server connection to use.

task - The task to be reassigned.

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent event)
```

Specified by:

actionPerformed in interface java.awt.event.ActionListener

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com.bea.wlpi.client.common

Class Version

java.lang.Object

|
+-- **com.bea.wlpi.client.common.Version**public final class **Version**

extends java.lang.Object

Provides version information about the client.

Constructor Summary

[Version](#)()

Method Summary

static [VersionInfo](#) [getClientVersion](#)()

Return the client version.

static [VersionInfo](#) [getTemplateDefinitionVersion](#)()

Return the template definition version supported by the client.

static void [main](#)(java.lang.String[] args)

Print client version information to System.out.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

Version

```
public Version()
```

Method Detail

main

```
public static void main(java.lang.String[] args)
    Print client version information to System.out.
```

getClientVersion

```
public static VersionInfo getClientVersion()
    Return the client version.
Returns:
    the client version.
```

getTemplateDefinitionVersion

```
public static VersionInfo getTemplateDefinitionVersion()
    Return the template definition version supported by the client.
Returns:
    the template definition version.
```

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Class WATableColumnModel

java.lang.Object

|

+-- javax.swing.table.DefaultTableColumnModel

|

+-- com.bea.wlpi.client.common.WATableColumnModel

All Implemented Interfaces:

java.util.EventListener, javax.swing.event.ListSelectionListener, java.beans.PropertyChangeListener, java.io.Serializable, javax.swing.table.TableColumnModel

```
public class WATableColumnModel
```

```
extends javax.swing.table.DefaultTableColumnModel
```

TableColumnModel implementation that supports persistence and header icons.

See Also:

[Serialized Form](#)

Fields inherited from class javax.swing.table.DefaultTableColumnModel

changeEvent, columnMargin, columnSelectionAllowed, listenerList, selectionModel, tableColumns, totalColumnWidth

Constructor Summary

[WATableColumnModel](#)(java.lang.String[][] data)

Construct a new WATableColumnModel from raw data only.

[WATableColumnModel](#)(javax.swing.table.TableColumnModel allColumns, java.util.Properties prop, java.lang.String prefix)

Construct a new WATableColumnModel from a Properties object and a master model.

[WATableColumnModel](#)(javax.swing.table.TableColumnModel allColumns, java.lang.String[] identifiers)

Construct a new WATableColumnModel from column identifiers and a master model.

Method Summary

void	store (java.util.Properties prop, java.lang.String prefix) Store this WTableColumnModel into a Properties object.
------	--

Methods inherited from class javax.swing.table.DefaultTableColumnModel

addColumn, addColumnModelListener, createSelectionModel, fireColumnAdded, fireColumnMarginChanged, fireColumnMoved, fireColumnRemoved, fireColumnSelectionChanged, getColumn, getColumnCount, getColumnIndex, getColumnIndexAtX, getColumnMargin, getColumns, getColumnSelectionAllowed, getListeners, getSelectedColumnCount, getSelectedColumns, getSelectionModel, getTotalColumnWidth, moveColumn, propertyChange, recalcWidthCache, removeColumn, removeColumnModelListener, setColumnMargin, setColumnSelectionAllowed, setSelectionModel, valueChanged

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

WTableColumnModel

```
public WTableColumnModel(javax.swing.table.TableColumnModel allColumns,  
                          java.util.Properties prop,  
                          java.lang.String prefix)
```

Construct a new WTableColumnModel from a Properties object and a master model. This constructor is intended for use in restoring a user's column layout preferences.

Parameters:

- allColumns - The set of all displayable columns.
- prop - Contains stored values for displayed columns.
- prefix - The property key prefix string for retrieving stored settings.

See Also:

[store\(Properties, String\)](#)

WATableColumnModel

```
public WATableColumnModel(javax.swing.table.TableColumnModel allColumns,  
                           java.lang.String[] identifiers)
```

Construct a new WATableColumnModel from column identifiers and a master model. This constructor is intended for constructing a default column model for use if the actual structure is not available from a properties object.

Parameters:

`allColumns` - The set of all displayable columns.

`identifiers` - A list of column identifiers (each identifier must match an entry in `allColumns`).

WATableColumnModel

```
public WATableColumnModel(java.lang.String[][] data)
```

Construct a new WATableColumnModel from raw data only. This constructor is intended for use only in constructing a master model where the model indexes and column indexes are equal.

Parameters:

`data` - Two-dimensional array of column settings. Each row in the array contains four elements in the following format: { <identifier>, <header_value>, <width>, <icon_name> }. There are as many rows in the array as there are to be columns in the model.

Method Detail

store

```
public void store(java.util.Properties prop,  
                  java.lang.String prefix)
```

Store this WATableColumnModel into a Properties object.

Parameters:

`prop` - Storage for column settings.

`prefix` - Property key prefix to use.

See Also:

[WATableColumnModel\(TableColumnModel, Properties, String\)](#)

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Class WLPI

java.lang.Object

|
+-- **com.bea.wlpi.client.common.WLPI**public final class **WLPI**

extends java.lang.Object

Provides a standard way to connect to a WebLogic Process Integrator server and access resources therein.

Field Summary

protected static java.lang.String	PERMISSION_HOME_JNDI
protected static java.lang.String	PLUGIN_MANAGER_CFG_JNDI
protected static java.lang.String	PLUGIN_MANAGER_JNDI
protected static java.lang.String	WEBLOGIC_REALM

Constructor Summary

[WLPI](#) ()

Create a new WLPI object.

Method Summary

boolean [allowSecurityRealmUpdates](#) ()

Check whether the installed security realm is both manageable and persistent.

boolean	connect (java.awt.Frame owner, java.lang.String url, java.lang.String userId, java.lang.String password) Connect to WebLogic Process Integrator server using the specified parameters.
void	disconnect () Disconnect from WebLogic Process Integrator server.
Admin	getAdmin () Return a reference to an Admin EJB object.
EJBCatalog	getCatalog () Return a reference to an EJBCatalog EJB object.
javax.naming.Context	getInitialContext () Return the host application's JNDI context.
Permission	getPermission () Return a reference to a Permission EJB object.
PluginManager	getPluginManager () Return a reference to a PluginManager EJB object.
PluginManagerCfg	getPluginManagerCfg () Return a reference to a PluginManagerCfg EJB object.
WLPIPrincipal	getPrincipal () Return a reference to a WLPIPrincipal EJB object.
XMLRepository	getRepository () Return a reference to an XMLRepository EJB object.
ServerProperties	getServerProperties () Return a reference to a ServerProperties EJB object.
VersionInfo	getServerTemplateDefinitionVersion () Return the template definition version supported by the server.
VersionInfo	getServerVersion () Return the server version.
java.lang.String	getUrl () Return the WebLogic Process Integrator server URL.
java.lang.String	getUserId () Return the WebLogic Process Integrator user ID.
Worklist	getWorklist () Return a reference to a Worklist EJB object.
boolean	isConnected () Check whether this WLPI instance is connected to a server.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

WEBLOGIC_REALM

protected static final java.lang.String **WEBLOGIC_REALM**

PLUGIN_MANAGER_JNDI

protected static final java.lang.String **PLUGIN_MANAGER_JNDI**

PLUGIN_MANAGER_CFG_JNDI

protected static final java.lang.String **PLUGIN_MANAGER_CFG_JNDI**

PERMISSION_HOME_JNDI

protected static final java.lang.String **PERMISSION_HOME_JNDI**

Constructor Detail

WLPI

public **WLPI**()

Create a new WLPI object.

Method Detail

allowSecurityRealmUpdates

```
public boolean allowSecurityRealmUpdates( )
```

Check whether the installed security realm is both manageable and persistent.

Returns:

true If realm is both manageable and persistent.

Throws:

`java.lang.IllegalStateException` - if not connected.

connect

```
public boolean connect(java.awt.Frame owner,  
                        java.lang.String url,  
                        java.lang.String userId,  
                        java.lang.String password)
```

Connect to WebLogic Process Integrator server using the specified parameters.

Parameters:

`owner` - The window that is to be the owner for message boxes and dialogs.

`url` - The WebLogic Process Integrator server URL.

`userId` - The WebLogic Process Integrator user's ID.

`password` - The user's password.

Throws:

`java.lang.IllegalStateException` - if already connected.

See Also:

[disconnect\(\)](#)

disconnect

```
public void disconnect( )
```

Disconnect from WebLogic Process Integrator server. Calls remove on all EJB session beans.

See Also:

[connect\(java.awt.Frame, java.lang.String, java.lang.String, java.lang.String\)](#)

isConnected

```
public boolean isConnected()
```

Check whether this WLPI instance is connected to a server.

Returns:

true if connected.

getInitialContext

```
public javax.naming.Context getInitialContext()
```

Return the host application's JNDI context. The host application returns a JNDI context containing the same security context as it uses itself. *The caller must not close this context.*

Returns:

A JNDI context.

getUrl

```
public java.lang.String getUrl()
```

Return the WebLogic Process Integrator server URL.

Returns:

The WebLogic Process Integrator server URL (null if not logged on).

getUserId

```
public java.lang.String getUserId()
```

Return the WebLogic Process Integrator user ID.

Returns:

The WebLogic Process Integrator user ID (null if not logged on).

getAdmin

```
public Admin getAdmin()  
    throws WorkflowException
```

Return a reference to an Admin EJB object.

Returns:

A reference to an Admin EJB object.

Throws:

`java.lang.IllegalStateException` - if not connected.

[WorkflowException](#) - if an exception occurred.

See Also:

[getCatalog\(\)](#), [getPrincipal\(\)](#), [getWorklist\(\)](#)

getCatalog

```
public EJBCatalog getCatalog()  
        throws WorkflowException
```

Return a reference to an EJBCatalog EJB object.

Returns:

A reference to an EJBCatalog EJB object.

Throws:

`java.lang.IllegalStateException` - if not connected.

[WorkflowException](#) - if an exception occurred.

See Also:

[getAdmin\(\)](#), [getPrincipal\(\)](#), [getWorklist\(\)](#)

getPrincipal

```
public WLPIPrincipal getPrincipal()  
        throws WorkflowException
```

Return a reference to a WLPIPrincipal EJB object.

Returns:

A reference to a WLPIPrincipal EJB object.

Throws:

`java.lang.IllegalStateException` - if not connected.

See Also:

[getAdmin\(\)](#), [getCatalog\(\)](#), [getWorklist\(\)](#)

getPermission

```
public final Permission getPermission()  
                                     throws WorkflowException
```

Return a reference to a Permission EJB object.

Returns:

A reference to a Permission EJB object.

Throws:

`java.lang.IllegalStateException` - if not connected.
[WorkflowException](#) - if an exception occurred.

Since:

WebLogic Process Integrator 2.0

getWorklist

```
public Worklist getWorklist()  
                                     throws WorkflowException
```

Return a reference to a Worklist EJB object.

Returns:

A reference to a Worklist EJB object.

Throws:

`java.lang.IllegalStateException` - if not connected.
[WorkflowException](#) - if an exception occurred.

See Also:

[getAdmin\(\)](#), [getCatalog\(\)](#), [getPrincipal\(\)](#)

getServerProperties

```
public final ServerProperties getServerProperties()  
                                     throws WorkflowException
```

Return a reference to a ServerProperties EJB object.

Returns:

A reference to a ServerProperties object.

Throws:

`java.lang.IllegalStateException` - if not connected.

See Also:

[getAdmin\(\)](#), [getCatalog\(\)](#), [getPrincipal\(\)](#), [getServerVersion\(\)](#),
[getServerTemplateDefinitionVersion\(\)](#)

getPluginManager

```
public final PluginManager getPluginManager()  
                                throws WorkflowException
```

Return a reference to a PluginManager EJB object.

Returns:

A reference to a PluginManager object.

Throws:

`java.lang.IllegalStateException` - if not connected.

See Also:

[getAdmin\(\)](#), [getCatalog\(\)](#), [getPluginManagerCfg\(\)](#), [getPrincipal\(\)](#),
[getServerVersion\(\)](#), [getServerTemplateDefinitionVersion\(\)](#)

getPluginManagerCfg

```
public final PluginManagerCfg getPluginManagerCfg()  
                                throws WorkflowException
```

Return a reference to a PluginManagerCfg EJB object.

Returns:

A reference to a PluginManagerCfg object.

Throws:

`java.lang.IllegalStateException` - if not connected.

See Also:

[getAdmin\(\)](#), [getCatalog\(\)](#), [getPluginManager\(\)](#), [getPrincipal\(\)](#),
[getServerVersion\(\)](#), [getServerTemplateDefinitionVersion\(\)](#)

getRepository

```
public XMLRepository getRepository()  
                                throws WorkflowException
```

Return a reference to an XMLRepository EJB object.

Returns:

A reference to an XMLRepository EJB object.

Throws:

`java.lang.IllegalStateException` - if not connected.

[WorkflowException](#) - if an exception occurred.

See Also:

[getAdmin\(\)](#), [getPrincipal\(\)](#), [getWorklist\(\)](#)

getServerVersion

```
public VersionInfo getServerVersion()  
                                throws WorkflowException
```

Return the server version.

Returns:

an object representing the server's version number.

getServerTemplateDefinitionVersion

```
public VersionInfo getServerTemplateDefinitionVersion()  
                                throws WorkflowException
```

Return the template definition version supported by the server.

Returns:

the template definition version.

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com.bea.wlpi.client.common

Class WorkflowStatusDialog

```
java.lang.Object
|
+--java.awt.Component
|
+--java.awt.Container
|
+--java.awt.Window
|
+--java.awt.Dialog
|
+--javax.swing.JDialog
|
+--com.bea.wlpi.client.common.WorkflowStatusDialog
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable, javax.swing.WindowConstants

```
public class WorkflowStatusDialog
```

```
extends javax.swing.JDialog
```

```
implements java.awt.event.ActionListener
```

A dialog that lists the tasks in a workflow instance and provides various commands to manipulate them.

See Also:

[Serialized Form](#)

Inner classes inherited from class javax.swing.JDialog

javax.swing.JDialog.AccessibleJDialog

Inner classes inherited from class java.awt.Dialog

java.awt.Dialog.AccessibleAWTDialog

Inner classes inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JDialog

accessibleContext, rootPane, rootPaneCheckingEnabled

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.WindowConstants

DISPOSE_ON_CLOSE, DO_NOTHING_ON_CLOSE, HIDE_ON_CLOSE

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[WorkflowStatusDialog](#)(java.awt.Frame owner, [WLPI](#) wlpi, java.util.Properties prop, [InstanceInfo](#) workflow)

Create a new WorkflowStatusDialog for the specified workflow instance.

Method Summary

void [actionPerformed](#)(java.awt.event.ActionEvent event)

Methods inherited from class javax.swing.JDialog

addImpl, createRootPane, dialogInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, processWindowEvent, remove, setContentPane, setDefaultCloseOperation, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setLocationRelativeTo, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.awt.Dialog

addNotify, dispose, getTitle, hide, isModal, isResizable, setModal, setResizable, setTitle, show

Methods inherited from class java.awt.Window

addWindowListener, applyResourceBundle, applyResourceBundle, finalize, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, isShowing, pack, postEvent, processEvent, removeWindowListener, setCursor, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize,

[setSize](#), [setVisible](#), [show](#), [size](#), [toString](#), [transferFocus](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Constructor Detail

WorkflowStatusDialog

```
public WorkflowStatusDialog(java.awt.Frame owner,  
                             WLPI wlpi,  
                             java.util.Properties prop,  
                             InstanceInfo workflow)  
    throws WorkflowException
```

Create a new WorkflowStatusDialog for the specified workflow instance.

Parameters:

- `owner` - The window that is to be this dialog's owner.
- `wlpi` - The WebLogic Process Integrator server connection to use.
- `prop` - Used to load and store settings for size and list columns.
- `workflow` - The workflow instance for which to display status.

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent event)
```

Specified by:

`actionPerformed` in interface `java.awt.event.ActionListener`

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com.bea.wlpi.common

Class InstanceInfo

java.lang.Object

|
+-- **com.bea.wlpi.common.InstanceInfo**

All Implemented Interfaces:

java.lang.Comparable, java.io.Serializable

public final class **InstanceInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

Holds information about a workflow instance.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Field Summary

static int	WORKFLOW_STATE_ACTIVE Workflow instance is running normally.
static int	WORKFLOW_STATE_SUSPENDED Workflow instance has been suspended.

Constructor Summary

[InstanceInfo](#)(java.lang.String id, java.lang.String templateId, java.lang.String templateDefinitionId, java.lang.String name, java.lang.String initiator, java.lang.String parentId, java.sql.Timestamp started, java.sql.Timestamp completed, java.lang.String idString, int state, java.lang.String comment)
Create a new InstanceInfo object.

InstanceInfo(java.lang.String id, java.lang.String templateId, java.lang.String templateDefinitionId, java.lang.String name, java.lang.String initiator, java.lang.String parentId, java.sql.Timestamp started, java.sql.Timestamp completed, java.lang.String idString, int state, java.lang.String comment, java.util.Map pluginData)

Create a new InstanceInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two InstanceInfo objects.
boolean	equals (java.lang.Object obj) Test two InstanceInfo objects for equality.
java.lang.String	getComment () Return the human-readable workflow instance comment.
java.sql.Timestamp	getCompleted () Return the date/time at which the workflow was completed.
java.lang.String	getId () Return the workflow instance ID.
java.lang.String	getIdString () Return a human-readable workflow instance label.
java.lang.String	getInitiator () Return the workflow initiator ID.
java.lang.String	getName () Return the template definition name.
java.lang.String	getParentId () Return the parent workflow instance ID.
java.lang.Object	getPluginInstanceData (java.lang.String pluginName) Retrieve the plugin-supplied data associated with the workflow instance.
java.sql.Timestamp	getStarted () Return the date/time at which the workflow was instantiated.
int	getState () Return the workflow instance state.
java.lang.String	getTemplateDefinitionId () Return the workflow template definition ID.
java.lang.String	getTemplateId () Return the workflow template ID.

java.lang.String [toString\(\)](#)

Return a string representation of the object.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

WORKFLOW_STATE_SUSPENDED

```
public static final int WORKFLOW_STATE_SUSPENDED
```

Workflow instance has been suspended.

WORKFLOW_STATE_ACTIVE

```
public static final int WORKFLOW_STATE_ACTIVE
```

Workflow instance is running normally.

Constructor Detail

InstanceInfo

```
public InstanceInfo(java.lang.String id,  
                    java.lang.String templateId,  
                    java.lang.String templateDefinitionId,  
                    java.lang.String name,  
                    java.lang.String initiator,  
                    java.lang.String parentId,  
                    java.sql.Timestamp started,  
                    java.sql.Timestamp completed,  
                    java.lang.String idString,  
                    int state,  
                    java.lang.String comment)
```

Create a new InstanceInfo object.

Parameters:

id - The workflow instance ID.

templateId - The ID of the workflow template.

templateDefinitionId - The ID of the workflow template definition.
name - The template definition name.
initiator - The ID of the workflow initiator.
parentId - The ID of the parent workflow instance (when started programmatically as a sub-workflow).
started - The date/time at which the workflow was instantiated.
completed - The date/time at which the workflow was completed.
idString - The human-readable workflow instance label.
state - The workflow instance state: [WORKFLOW_STATE_SUSPENDED](#) or [WORKFLOW_STATE_ACTIVE](#).
comment - Human-readable workflow instance comment.

InstanceInfo

```
public InstanceInfo(java.lang.String id,  
                    java.lang.String templateId,  
                    java.lang.String templateDefinitionId,  
                    java.lang.String name,  
                    java.lang.String initiator,  
                    java.lang.String parentId,  
                    java.sql.Timestamp started,  
                    java.sql.Timestamp completed,  
                    java.lang.String idString,  
                    int state,  
                    java.lang.String comment,  
                    java.util.Map pluginData)
```

Create a new InstanceInfo object.

Parameters:

id - The workflow instance ID.
templateId - The ID of the workflow template.
templateDefinitionId - The ID of the workflow template definition.
name - The template definition name.
initiator - The ID of the workflow initiator.
parentId - The ID of the parent workflow instance (when started programmatically as a sub-workflow).
started - The date/time at which the workflow was instantiated.
completed - The date/time at which the workflow was completed.
idString - The human-readable workflow instance label.
state - The workflow instance state: [WORKFLOW_STATE_SUSPENDED](#) or [WORKFLOW_STATE_ACTIVE](#).

comment - Human-readable workflow instance comment.

pluginData - A collection of plugin-defined instance data. The map is keyed on plugin name, and each element is a plugin-defined instance datum.

Since:

WebLogic Process Integrator 2.0

Method Detail

getId

```
public final java.lang.String getId()
```

Return the workflow instance ID.

Returns:

The workflow instance ID.

getTemplateId

```
public final java.lang.String getTemplateId()
```

Return the workflow template ID.

Returns:

The ID of the workflow template.

getTemplateDefinitionId

```
public final java.lang.String getTemplateDefinitionId()
```

Return the workflow template definition ID.

Returns:

The ID of the workflow template definition.

getName

```
public final java.lang.String getName()
```

Return the template definition name.

Returns:

The template definition name.

getPluginInstanceData

```
public java.lang.Object getPluginInstanceData(java.lang.String pluginName)
```

Retrieve the plugin-supplied data associated with the workflow instance.

Parameters:

pluginName - The name of the plugin.

Returns:

The plugin-supplied instance datum.

Since:

WebLogic Process Integrator 2.0

getInitiator

```
public final java.lang.String getInitiator()
```

Return the workflow initiator ID.

Returns:

The ID of the workflow initiator.

getParentId

```
public final java.lang.String getParentId()
```

Return the parent workflow instance ID.

Returns:

The ID of the parent workflow instance (when started programmatically as a sub-workflow).

getStarted

```
public final java.sql.Timestamp getStarted()
```

Return the date/time at which the workflow was instantiated.

Returns:

The date/time at which the workflow was instantiated.

getCompleted

```
public final java.sql.Timestamp getCompleted()
```

Return the date/time at which the workflow was completed.

Returns:

The date/time at which the workflow was completed.

getIdString

```
public final java.lang.String getIdString()
```

Return a human-readable workflow instance label.

Returns:

The human-readable workflow instance label.

getState

```
public final int getState()
```

Return the workflow instance state.

Returns:

The workflow instance state: [WORKFLOW_STATE_SUSPENDED](#) or [WORKFLOW_STATE_ACTIVE](#).

getComment

```
public final java.lang.String getComment()
```

Return the human-readable workflow instance comment.

Returns:

The human-readable workflow instance comment.

equals

```
public boolean equals(java.lang.Object obj)
```

Test two InstanceInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - The Object with which to compare this one.

Returns:

true if obj is an instance of InstanceInfo with the same ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two InstanceInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of InstanceInfo.

Returns:

The result of comparing the started members using the Date.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of InstanceInfo.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

toString in class java.lang.Object

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

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Class EventKeyInfo

java.lang.Object

|
+-- **com.bea.wlpi.common.EventKeyInfo**

All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializablepublic class **EventKeyInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about an XML event key. When WebLogic Process Integrator processes an XML document, it uses an event key to identify the workflow definitions or instance(s) that are associated with the incoming document. The `EventKeyInfo` object defines a relationship between a document element name and a workflow expression. The system evaluates the expression against the root element of an incoming document (of the specified type) to yield a key value that uniquely identifies that document instance, and thus any workflow definitions or instances to which it relates. Note that the document type is characterized by the document element name, *not the Document Type Definition*.

Objects of this class override the boolean `equals(Object)` and implement the `comparable` interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS_CALENDAR](#), [BUSINESS_OPERATION](#), [EVENT_KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE_DEFINITION](#), [USER](#), [XML_REPOSITORY_ENTITY](#),
[XML_REPOSITORY_FOLDER](#)

Constructor Summary

[EventKeyInfo](#)(java.lang.String root, java.lang.String expr)

Deprecated. Use the [full constructor](#) instead.

[EventKeyInfo](#)(java.lang.String contentType,
java.lang.String eventDescriptor, java.lang.String expr,
java.lang.String plugin, int fieldID)

Create a new event key info object.

Method Summary

int [compareTo](#)(java.lang.Object obj)
Compare two EventKeyInfo objects.

boolean [equals](#)(java.lang.Object obj)
Test two EventKeyInfo objects for equality.

java.lang.Object [getContents](#)()
Return the publishable content.

java.lang.String [getContentType](#)()
Return The MIME content type (e.g., "text/xml").

java.lang.String [getEntryName](#)()
Return the display name for the publishable object.

java.lang.String [getEventDescriptor](#)()
Return the content-type-specific event data format description.

java.lang.String [getExpr](#)()
Return a workflow expression that yields a unique key for a document.

int [getFieldID](#)()
Return The unique plugin-assigned ID for the [FieldInfo](#) object.

java.lang.String [getOwnerName](#)()
Return the name of the object's owner.

java.lang.String [getPlugin](#)()
Return the name of the plugin that supplies the field type required to evaluate the expression.

java.lang.String [getRoot](#)()
Deprecated. Use [getEventDescriptor\(\)](#) instead.

int	<code>getType()</code> Return the type of publishable object.
boolean	<code>isPublished()</code> Returns whether the object is published.
void	<code>setExpr(java.lang.String expr)</code> Set the unique key expression.
java.lang.String	<code>toString()</code> Return a string representation of the object.

Methods inherited from class java.lang.Object

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

Constructor Detail

EventKeyInfo

```
public EventKeyInfo(java.lang.String root,
                    java.lang.String expr)
```

Deprecated. Use the [full constructor](#) instead.

Create a new XML event key info object.

Parameters:

`root` - The XML document element name.

`expr` - Workflow expression that yields a unique key for a document instance when evaluated against that document.

EventKeyInfo

```
public EventKeyInfo(java.lang.String contentType,
                    java.lang.String eventDescriptor,
                    java.lang.String expr,
                    java.lang.String plugin,
                    int fieldID)
```

Create a new event key info object.

Parameters:

`contentType` - The MIME content type (e.g., "text/xml").

`eventDescriptor` - A string to describe the particular event, in a plugin-defined format.

`expr` - Workflow expression specifying how to generate a unique key value for an event datum with the specified content type and format description.

`pluginName` - The name of the plugin that supplies the field type required to evaluate `expr`. If `null` and `contentType` is "text/xml", the system will use the default [FieldInfo.XMLFIELD](#) XML field type.

`fieldID` - The unique plugin-assigned ID for the [FieldInfo](#) object.

Since:

WebLogic Process Integrator 2.0

Method Detail

getContentType

```
public final java.lang.String getContentType()
```

Return The MIME content type (e.g., "text/xml").

Returns:

The content type.

Since:

WebLogic Process Integrator 2.0

getRoot

```
public final java.lang.String getRoot()
```

Deprecated. Use [getEventDescriptor\(\)](#) instead.

Return the XML document element name.

Returns:

The XML document element name to which this event key relates.

getEventDescriptor

```
public final java.lang.String getEventDescriptor()
```

Return the content-type-specific event data format description. For a content type of "text/xml", the event descriptor is the DTD Public ID or System ID, or the document element tag name.

Returns:

Event format descriptor.

Since:

WebLogic Process Integrator 2.0

getExpr

```
public final java.lang.String getExpr()
```

Return a workflow expression that yields a unique key for a document.

Returns:

Workflow expression that yields a unique key for a document instance when evaluated against that document.

See Also:

[setExpr\(java.lang.String\)](#)

getPlugin

```
public final java.lang.String getPlugin()
```

Return the name of the plugin that supplies the field type required to evaluate the expression.

Returns:

The plugin name.

Since:

WebLogic Process Integrator 2.0

getFieldID

```
public final int getFieldID()
```

Return The unique plugin-assigned ID for the [FieldInfo](#) object.

Returns:

The ID of the field.

Since:

WebLogic Process Integrator 2.0

setExpr

```
public final void setExpr(java.lang.String expr)
```

Set the unique key expression.

Parameters:

expr - Unique key expression, conformant with the workflow expression syntax.

See Also:

[getExpr\(\)](#)

equals

```
public boolean equals(java.lang.Object obj)
```

Test two EventKeyInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of EventKeyInfo with the same root as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object obj)
```

Compare two EventKeyInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of EventKeyInfo.

Returns:

The result of comparing the contentType and eventDescriptor members using the String.compareTo(Object) method.

Throws:

`java.lang.ClassCastException` - if `o` is not an instance of `EventKeyInfo`.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

`toString` in class `java.lang.Object`

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

true if the object is published.

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com.bea.wlpi.common

Class EJBInvocationDescriptor

java.lang.Object

|
+-- **com.bea.wlpi.common.EJBInvocationDescriptor**

All Implemented Interfaces:

[Publishable](#), java.io.Serializablepublic class **EJBInvocationDescriptor**

extends java.lang.Object

implements java.io.Serializable, [Publishable](#)

Describes and implements the invocation of a method in an arbitrary Enterprise Java Bean. It is used to obtain a remote reference to an EJB and invoke a remote method thereon.

See Also:

[ClassDescriptor](#), [ClassInvocationDescriptor](#), [EJBDescriptor](#), [Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#),
[XML REPOSITORY FOLDER](#)

Constructor Summary

[EJBInvocationDescriptor](#)()

Create a new EJB descriptor object.

[EJBInvocationDescriptor](#)(java.lang.String description,
[EJBDescriptor](#) beanDescriptor, [MethodDescriptor](#) homeMethodDescriptor,
java.lang.String[] homeParmDescriptions,
[MethodDescriptor](#) remoteMethodDescriptor,
java.lang.String[] remoteParmDescriptions)

Create a new EJB descriptor object.

[EJBInvocationDescriptor](#)(java.lang.String description,
[EJBDescriptor](#) beanDescriptor, [MethodDescriptor](#) homeMethodDescriptor,
java.lang.String[] homeParmDescriptions,
[MethodDescriptor](#) remoteMethodDescriptor,
java.lang.String[] remoteParmDescriptions, boolean published)

Create a new EJB descriptor object.

Method Summary

java.lang.Object **[clone](#)**()

clone an EJBInvocationDescriptor object.

java.lang.Object	getContents () Return the publishable content.
java.lang.String	getDescription () Return the human-readable bean description.
java.lang.String	getEJBDeploymentName () Return the EJB deployment name.
MethodDescriptor	getEJBHomeMethod () Return the home method to invoke.
java.lang.String	getEJBHomeName () Return the home interface name.
java.lang.String	getEJBPrimaryKeyName () Return the primary key class name.
MethodDescriptor	getEJBRemoteMethod () Return the remote method to invoke.
java.lang.String	getEJBRemoteName () Return the remote interface name.
java.lang.String	getEntryName () Return the display name for the publishable object.
java.lang.String[]	getHomeParamDescriptions () get the EJB home parameter descriptions
java.lang.String[]	getHomeParamsDescriptions () Return the parameter descriptions for the home method to invoke.
java.lang.String	getId () Return the system-assigned unique identifier.
java.lang.String	getOwnerName () Return the name of the object's owner.
java.lang.String[]	getRemoteParamDescriptions () get the EJB remote parameter descriptions
java.lang.String[]	getRemoteParamsDescriptions () Return the parameter descriptions for the remote method to invoke.
java.lang.String	getReturnTypeName () Get the remote method return type.
int	getType () Return the type of publishable object.
java.lang.Object	invoke (java.util.Properties environment, java.lang.Object[] ejbHomeParameters, java.lang.Object[] ejbRemoteParameters) Create a remote object reference; then, invoke a method on it.
java.lang.Object	invokeHomeMethod (java.util.Properties environment, java.lang.Object[] ejbHomeParameters) Create a home object reference; then, invoke a method on it.
java.lang.Object	invokeRemoteMethod (java.lang.Object remoteObject, java.lang.Object[] ejbRemoteParameters) Invoke a method on a remote object.
boolean	isFullyFormed () Check whether this descriptor has all required values set.

boolean	<u>isPublished</u> () Returns whether the object is published.
boolean	<u>isSessionEJB</u> () Return true if the contained bean is a Session EJB
boolean	<u>isVerbose</u> () Check whether the invokeXXX() methods emit debugging messages.
void	<u>set</u> (java.lang.String description, <u>EJBDescriptor</u> beanDescriptor, <u>MethodDescriptor</u> homeMethodDescriptor, java.lang.String[] homeParamDescriptions, <u>MethodDescriptor</u> remoteMethodDescriptor, java.lang.String[] remoteParamDescriptions) Set descriptor values.
void	<u>set</u> (java.lang.String description, <u>EJBDescriptor</u> beanDescriptor, <u>MethodDescriptor</u> homeMethodDescriptor, java.lang.String[] homeParamDescriptions, <u>MethodDescriptor</u> remoteMethodDescriptor, java.lang.String[] remoteParamDescriptions, boolean published) Set descriptor values.
void	<u>setDescription</u> (java.lang.String description) Set the description.
void	<u>setEJBDeploymentName</u> (java.lang.String deploymentName) Set the EJB deployment name.
void	<u>setEJBHomeMethod</u> (<u>MethodDescriptor</u> ejbHomeMethod) Set the home method to invoke.
void	<u>setEJBHomeName</u> (java.lang.String ejbHomeName) Set the home interface name.
void	<u>setEJBPrimaryKeyName</u> (java.lang.String ejbPrimaryKeyName) Set the primary key class name.
void	<u>setEJBRemoteMethod</u> (<u>MethodDescriptor</u> ejbRemoteMethod) Set the remote method to invoke.
void	<u>setEJBRemoteName</u> (java.lang.String ejbRemoteName) Set the remote interface name.
void	<u>setHomeParamDescriptions</u> (java.lang.String[] homeParamDescriptions) Set the EJB home parameter descriptions
void	<u>setId</u> (java.lang.String id) Set the unique identifier.
void	<u>setIsSessionBean</u> (boolean isSessionBean)
void	<u>setPublished</u> ()
void	<u>setRemoteParamDescriptions</u> (java.lang.String[] remoteParamDescriptions) Set the EJB remote parameter descriptions
void	<u>setVerbose</u> (boolean verbose) Set whether the invokeXXX() methods emit debugging messages.

Methods inherited from class java.lang.Object

```
equals, finalize, getClass, hashCode, notify, notifyAll, toString,  
wait, wait, wait
```

Constructor Detail

EJBInvocationDescriptor

```
public EJBInvocationDescriptor()
```

Create a new EJB descriptor object.

EJBInvocationDescriptor

```
public EJBInvocationDescriptor(java.lang.String description,  
                               EJBDescriptor beanDescriptor,  
                               MethodDescriptor homeMethodDescriptor,  
                               java.lang.String[] homeParmDescriptions,  
                               MethodDescriptor remoteMethodDescriptor,  
                               java.lang.String[] remoteParmDescriptions)
```

Create a new EJB descriptor object.

Parameters:

- `description` - Human-readable bean description.
 - `beanDescriptor` - Meta-data describing the bean in question.
 - `homeMethodDescriptor` - Meta-data for home method to invoke.
 - `homeParmDescriptions` - Home method parameter descriptions.
 - `remoteMethodDescriptor` - Meta-data for remote method to invoke.
 - `remoteParmDescriptions` - Remote method parameter descriptions.
-

EJBInvocationDescriptor

```
public EJBInvocationDescriptor(java.lang.String description,  
                               EJBDescriptor beanDescriptor,  
                               MethodDescriptor homeMethodDescriptor,  
                               java.lang.String[] homeParmDescriptions,  
                               MethodDescriptor remoteMethodDescriptor,  
                               java.lang.String[] remoteParmDescriptions,  
                               boolean published)
```

Create a new EJB descriptor object.

Parameters:

- `description` - Human-readable bean description.
- `beanDescriptor` - Meta-data describing the bean in question.
- `homeMethodDescriptor` - Meta-data for home method to invoke.
- `homeParmDescriptions` - Home method parameter descriptions.
- `remoteMethodDescriptor` - Meta-data for remote method to invoke.
- `remoteParmDescriptions` - Remote method parameter descriptions.

Since:

Method Detail

getId

```
public final java.lang.String getId()
```

Return the system-assigned unique identifier.

Returns:

The unique identifier.

See Also:

[setId\(java.lang.String\)](#)

setId

```
public void setId(java.lang.String id)
```

Set the unique identifier.

Parameters:

id - The unique identifier.

See Also:

[getId\(\)](#)

setDescription

```
public void setDescription(java.lang.String description)
```

Set the description.

Parameters:

description - The description.

See Also:

[getDescription\(\)](#)

set

```
public void set(java.lang.String description,  
                EJBDescriptor beanDescriptor,  
                MethodDescriptor homeMethodDescriptor,  
                java.lang.String[] homeParmDescriptions,  
                MethodDescriptor remoteMethodDescriptor,  
                java.lang.String[] remoteParmDescriptions)
```

Set descriptor values.

Parameters:

description - Human-readable bean description.

beanDescriptor - Meta-data describing the bean in question.

homeMethodDescriptor - Meta-data for home method to invoke.

homeParmDescriptions - Home method parameter descriptions.

`remoteMethodDescriptor` - Meta-data for remote method to invoke.

`remoteParmDescriptions` - Remote method parameter descriptions.

set

```
public void set(java.lang.String description,  
                EJBDescriptor beanDescriptor,  
                MethodDescriptor homeMethodDescriptor,  
                java.lang.String[] homeParmDescriptions,  
                MethodDescriptor remoteMethodDescriptor,  
                java.lang.String[] remoteParmDescriptions,  
                boolean published)
```

Set descriptor values.

Parameters:

`description` - Human-readable bean description.

`beanDescriptor` - Meta-data describing the bean in question.

`homeMethodDescriptor` - Meta-data for home method to invoke.

`homeParmDescriptions` - Home method parameter descriptions.

`remoteMethodDescriptor` - Meta-data for remote method to invoke.

`remoteParmDescriptions` - Remote method parameter descriptions.

Since:

WebLogic Process Integrator 2.0

clone

```
public java.lang.Object clone()  
clone an EJBInvocationDescriptor object.
```

Overrides:

`clone` in class `java.lang.Object`

Returns:

an clone instance of `EJBInvocationDescriptor`.

Since:

WebLogic Process Integrator 2.0

setVerbose

```
public void setVerbose(boolean verbose)  
Set whether the invokeXXX() methods emit debugging messages.
```

Parameters:

`verbose` - true to emit messages.

See Also:

[isVerbose\(\)](#)

isVerbose

```
public boolean isVerbose()
```

Check whether the `invokeXXX()` methods emit debugging messages.

Returns:

`true` if the `invokeXXX()` methods emit debugging messages.

See Also:

[setVerbose\(boolean\)](#)

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Since:

WebLogic Process Integrator 2.0

invoke

```
public java.lang.Object invoke(java.util.Properties environment,  
                                java.lang.Object[] ejbHomeParameters,  
                                java.lang.Object[] ejbRemoteParameters)  
    throws WorkflowException
```

Create a remote object reference; then, invoke a method on it. The implementation performs a JNDI lookup to obtain a reference to the home interface, and then calls the home method specified by this descriptor to create a remote object, passing the supplied parameter values. It then calls the remote method specified by this descriptor, passing the supplied parameter values. Parameter and return types match those declared for the home and remote methods respectively, and primitive Java types are wrapped in a corresponding `java.lang.*` object (e.g. `int` is passed using a `java.lang.Integer` object, `long` using a `java.lang.Long`, etc.).

Parameters:

`environment` - Environment settings for initial JNDI context used to look up the home interface.

`ejbHomeParameters` - Actual parameter values for home method.

`ejbRemoteParameters` - Actual parameter values for remote method.

Returns:

The value returned by the invoked remote method.

Throws:

[WorkflowException](#) - if the specified home interface cannot be located, or if the actual home or remote method parameters do not match those specified in this descriptor in number and type, or if any parameter classes cannot be loaded, or if the specified home or remote method cannot be found, or if the home method call fails, or if any of the parameters are not instances of the corresponding classes (or subclasses thereof) specified by this descriptor, or if either of the invoked methods throws an exception.

See Also:

[invokeHomeMethod\(java.util.Properties, java.lang.Object\[\]\)](#),
[invokeRemoteMethod\(java.lang.Object, java.lang.Object\[\]\)](#)

invokeHomeMethod

```
public java.lang.Object invokeHomeMethod(java.util.Properties environment,  
                                           java.lang.Object[] ejbHomeParameters)  
    throws WorkflowException
```

Create a home object reference; then, invoke a method on it. The implementation performs a JNDI lookup to obtain a reference to the home interface, and then calls the home method specified by this descriptor to create a remote object, passing the supplied parameter values. Parameter and return types match those declared for the home method, and primitive Java types are wrapped in a corresponding `java.lang.*` object (e.g. `int` is passed using a `java.lang.Integer` object, `long` using a `java.lang.Long`, etc.).

Parameters:

`environment` - Environment settings for initial JNDI context used to look up the home interface.
`ejbHomeParameters` - Actual parameter values for home method.

Returns:

The remote object reference(s) returned by the invoked home method.

Throws:

[WorkflowException](#) - if the specified home interface cannot be located, or if the actual home method parameters do not match those specified in this descriptor in number and type, or if any parameter class cannot be loaded, or if the specified home method cannot be found, or if the home method call fails, or if any of the parameters are not instances of the corresponding classes (or subclasses thereof) specified by this descriptor, or if the invoked home methods throws an exception.

See Also:

[invoke\(java.util.Properties, java.lang.Object\[\], java.lang.Object\[\]\)](#),
[invokeRemoteMethod\(java.lang.Object, java.lang.Object\[\]\)](#)

invokeRemoteMethod

```
public java.lang.Object invokeRemoteMethod(java.lang.Object remoteObject,  
                                             java.lang.Object[] ejbRemoteParameters)  
    throws WorkflowException
```

Invoke a method on a remote object. The implementation calls the remote method specified by this descriptor, passing the supplied parameter values. Parameter and return types match those declared for the remote method, and primitive Java types are wrapped in a corresponding `java.lang.*` object (e.g. `int` is passed using a `java.lang.Integer` object, `long` using a `java.lang.Long`, etc.).

Parameters:

`remoteObject` - Remote object on which to invoke the method.
`ejbRemoteParameters` - Actual parameter values for remote method.

Returns:

The value returned by the invoked remote method.

Throws:

[WorkflowException](#) - if the actual remote method parameters do not match those specified in this descriptor in number and type, or if any parameter class cannot be loaded, or if the specified remote method cannot be found, or if any of the parameters are not instances of the corresponding classes (or a subclass thereof) specified by this descriptor, or if the invoked method throws an exception.

See Also:

[invoke\(java.util.Properties, java.lang.Object\[\], java.lang.Object\[\]\)](#),
[invokeHomeMethod\(java.util.Properties, java.lang.Object\[\]\)](#)

isFullyFormed

```
public boolean isFullyFormed()
```

Check whether this descriptor has all required values set.

Returns:

true if all required values are set.

isSessionEJB

```
public boolean isSessionEJB()
```

Return true if the contained bean is a Session EJB

Returns:

true if all required values are set.

getReturnTypeName

```
public java.lang.String getReturnTypeName()
```

Get the remote method return type.

Returns:

The fully qualified return type of the remote method.

getDescription

```
public final java.lang.String getDescription()
```

Return the human-readable bean description.

Returns:

The human-readable bean description.

getHomeParamsDescriptions

```
public final java.lang.String[] getHomeParamsDescriptions()
```

Return the parameter descriptions for the home method to invoke.

Returns:

Parameter descriptions for the home method to invoke.

getRemoteParamsDescriptions

```
public final java.lang.String[] getRemoteParamsDescriptions()
```

Return the parameter descriptions for the remote method to invoke.

Returns:

Parameter descriptions for the remote method to invoke.

setEJBDeploymentName

```
public void setEJBDeploymentName(java.lang.String deploymentName)
```

Set the EJB deployment name.

Parameters:

ejbDeploymentName - The name under which the EJB was deployed.

See Also:

[getEJBDeploymentName\(\)](#)

getEJBDeploymentName

```
public java.lang.String getEJBDeploymentName()
```

Return the EJB deployment name.

Returns:

The name under which the EJB was deployed.

See Also:

[setEJBDeploymentName\(java.lang.String\)](#)

setEJBHomeName

```
public void setEJBHomeName(java.lang.String ejbHomeName)
```

Set the home interface name.

Parameters:

ejbHomeName - The fully qualified name of the EJB's home interface.

See Also:

[getEJBHomeName\(\)](#)

getEJBHomeName

```
public java.lang.String getEJBHomeName()
```

Return the home interface name.

Returns:

The fully qualified name of the EJB's home interface.

See Also:

[setEJBHomeName\(java.lang.String\)](#)

setHomeParamDescriptions

```
public void setHomeParamDescriptions(java.lang.String[] homeParamDescriptions)
```

Set the EJB home parameter descriptions

Parameters:

homeParamDescriptions - the EJB home parameter descriptions.

See Also:

[getHomeParamDescriptions\(\)](#)

getHomeParamDescriptions

```
public java.lang.String[] getHomeParamDescriptions()
```

get the EJB home parameter descriptions

Returns:

the EJB home parameter descriptions.

See Also:

[setHomeParamDescriptions\(java.lang.String\[\]\)](#)

setRemoteParamDescriptions

```
public void setRemoteParamDescriptions(java.lang.String[] remoteParamDescriptions)
```

Set the EJB remote parameter descriptions

Parameters:

remoteParamDescriptions - the EJB home parameter descriptions.

See Also:

[getRemoteParamDescriptions\(\)](#)

getRemoteParamDescriptions

```
public java.lang.String[] getRemoteParamDescriptions()
```

get the EJB remote parameter descriptions

Returns:

the EJB home parameter descriptions.

See Also:

[setRemoteParamDescriptions\(java.lang.String\[\]\)](#)

setEJBPrimaryKeyName

```
public void setEJBPrimaryKeyName(java.lang.String ejbPrimaryKeyName)
```

Set the primary key class name.

Parameters:

ejbPrimaryKeyName - The fully qualified name of the EJB's primary key class.

See Also:

[getEJBPrimaryKeyName\(\)](#)

getEJBPrimaryKeyName

```
public java.lang.String getEJBPrimaryKeyName()
```

Return the primary key class name.

Returns:

The fully qualified name of the EJB's primary key class.

See Also:

[setEJBPrimaryKeyName\(java.lang.String\)](#)

setEJBHomeMethod

```
public void setEJBHomeMethod(MethodDescriptor ejbHomeMethod)
```

Set the home method to invoke.

Parameters:

ejbHomeMethod - Descriptor for the home method to invoke.

See Also:

[getEJBHomeMethod\(\)](#)

getEJBHomeMethod

```
public MethodDescriptor getEJBHomeMethod()
```

Return the home method to invoke.

Returns:

Descriptor for the home method to invoke.

See Also:

[setEJBHomeMethod\(com.bea.wlpi.common.MethodDescriptor\)](#)

setEJBRemoteName

```
public void setEJBRemoteName(java.lang.String ejbRemoteName)
```

Set the remote interface name.

Parameters:

ejbRemoteName - The fully qualified name of the EJB's remote interface.

See Also:

[getEJBRemoteName\(\)](#)

getEJBRemoteName

```
public java.lang.String getEJBRemoteName()
```

Return the remote interface name.

Returns:

The fully qualified name of the EJB's remote interface.

See Also:

[setEJBRemoteName\(java.lang.String\)](#)

setEJBRemoteMethod

```
public void setEJBRemoteMethod(MethodDescriptor.ejbRemoteMethod)
```

Set the remote method to invoke.

Parameters:

`ejbRemoteName` - Descriptor for the remote method to invoke.

See Also:

[getEJBRemoteMethod\(\)](#)

getEJBRemoteMethod

```
public MethodDescriptor getEJBRemoteMethod()
```

Return the remote method to invoke.

Returns:

Descriptor for the remote method to invoke.

See Also:

[setEJBRemoteMethod\(com.bea.wlpi.common.MethodDescriptor\)](#)

setIsSessionBean

```
public void setIsSessionBean(boolean isSessionBean)
```

setPublished

```
public void setPublished()
```

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#), [Publishable.TEMPLATE_DEFINITION](#), [Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#), [Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#), [Publishable.XML_REPOSITORY_FOLDER](#), [Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

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com.bea.wlpi.common

Class EJBDescriptor

java.lang.Object

|
+-- **com.bea.wlpi.common.EJBDescriptor**

All Implemented Interfaces:

java.io.Serializable

public class **EJBDescriptor**

extends java.lang.Object

implements java.io.Serializable

Describes an Enterprise Java Bean. It is used to pass information to the client about EJBs deployed on the server.

See Also:

[ClassDescriptor](#), [ClassInvocationDescriptor](#), [EJBInvocationDescriptor](#), [SerializedForm](#)

Constructor Summary

[EJBDescriptor](#) ()

Create a new EJB descriptor.

Method Summary

java.lang.String	getEJBDeploymentName () Return the name under which the EJB was deployed.
java.util.List	getEJBHomeMethodDescriptors () List the methods on the EJB's home interface.
java.lang.String	getEJBHomeName () Return the fully qualified name of the home interface.
java.lang.String	getEJBPrimaryKeyName () Return the fully qualified name of the primary key class.
java.util.List	getEJBRemoteMethodDescriptors () List the methods on the EJB's remote interface.
java.lang.String	getEJBRemoteName () Return the fully qualified name of the remote interface.
boolean	isSessionEJB () Check whether this object describes a session EJB or an entity EJB.

void	setEJBDeploymentName (java.lang.String ejbDeploymentName) Set the EJB deployment name.
void	setEJBHomeMethodDescriptors (java.util.List methodDescriptors) Set the methods on the EJB's home interface.
void	setEJBHomeName (java.lang.String ejbHomeName) Set the name of the home interface.
void	setEJBPrimaryKeyName (java.lang.String ejbPrimaryKeyName) Set the name of the primary key class.
void	setEJBRemoteMethodDescriptors (java.util.List methodDescriptors) Set the methods on the EJB's remote interface.
void	setEJBRemoteName (java.lang.String ejbRemoteName) Set the name of the remote interface.
void	setSessionEJB (boolean isSessionEJB) Specify whether this object describes a session EJB or an entity EJB.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

EJBDescriptor

```
public EJBDescriptor()
    Create a new EJB descriptor.
```

Method Detail

getEJBDeploymentName

```
public java.lang.String getEJBDeploymentName()
    Return the name under which the EJB was deployed.
```

Returns:

The name under which the EJB was deployed.

See Also:

[setEJBDeploymentName\(java.lang.String\)](#)

setEJBDeploymentName

```
public void setEJBDeploymentName(java.lang.String ejbDeploymentName)
```

Set the EJB deployment name.

Parameters:

ejbDeploymentName - The name under which the EJB was deployed.

See Also:

[getEJBDeploymentName\(\)](#)

getEJBHomeName

```
public java.lang.String getEJBHomeName()
```

Return the fully qualified name of the home interface.

Returns:

The fully qualified name of the home interface.

See Also:

[setEJBHomeName\(java.lang.String\)](#)

setEJBHomeName

```
public void setEJBHomeName(java.lang.String ejbHomeName)
```

Set the name of the home interface.

Parameters:

ejbHomeName - The fully qualified name of the home interface.

See Also:

[getEJBHomeName\(\)](#)

getEJBRemoteName

```
public java.lang.String getEJBRemoteName()
```

Return the fully qualified name of the remote interface.

Returns:

The fully qualified name of the remote interface.

See Also:

[setEJBRemoteName\(java.lang.String\)](#)

setEJBRemoteName

```
public void setEJBRemoteName(java.lang.String.ejbRemoteName)
```

Set the name of the remote interface.

Parameters:

`ejbRemoteName` - The fully qualified name of the remote interface.

See Also:

[getEJBRemoteName\(\)](#)

getEJBPrimaryKeyName

```
public java.lang.String getEJBPrimaryKeyName()
```

Return the fully qualified name of the primary key class.

Returns:

The fully qualified name of the primary key class.

See Also:

[setEJBPrimaryKeyName\(java.lang.String\)](#)

setEJBPrimaryKeyName

```
public void setEJBPrimaryKeyName(java.lang.String.ejbPrimaryKeyName)
```

Set the name of the primary key class.

Parameters:

`ejbPrimaryKeyName` - The fully qualified name of the primary key class.

See Also:

[getEJBPrimaryKeyName\(\)](#)

isSessionEJB

```
public boolean isSessionEJB()
```

Check whether this object describes a session EJB or an entity EJB.

Returns:

`true` if this is a session EJB, `false` if an entity EJB.

See Also:

[setSessionEJB\(boolean\)](#)

setSessionEJB

```
public void setSessionEJB(boolean isSessionEJB)
```

Specify whether this object describes a session EJB or an entity EJB.

Parameters:

isSessionEJB - true if this describes a session EJB, false if an entity EJB.

See Also:

[isSessionEJB\(\)](#)

getEJBHomeMethodDescriptors

```
public java.util.List getEJBHomeMethodDescriptors()
```

List the methods on the EJB's home interface.

Returns:

A list of [MethodDescriptor](#) objects.

See Also:

[setEJBHomeMethodDescriptors\(java.util.List\)](#)

setEJBHomeMethodDescriptors

```
public void setEJBHomeMethodDescriptors(java.util.List methodDescriptors)
```

Set the methods on the EJB's home interface.

Parameters:

methodDescriptors - A list of [MethodDescriptor](#) objects.

See Also:

[getEJBHomeMethodDescriptors\(\)](#)

getEJBRemoteMethodDescriptors

```
public java.util.List getEJBRemoteMethodDescriptors()
```

List the methods on the EJB's remote interface.

Returns:

A list of [MethodDescriptor](#) objects.

See Also:

[setEJBRemoteMethodDescriptors\(java.util.List\)](#)

setEJBRemoteMethodDescriptors

```
public void setEJBRemoteMethodDescriptors(java.util.List methodDescriptors)
```

Set the methods on the EJB's remote interface.

Parameters:

methodDescriptors - A list of [MethodDescriptor](#) objects.

See Also:

[getEJBRemoteMethodDescriptors\(\)](#)

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com.bea.wlpi.common

Class LongStrings

java.lang.Object

|
+-- **com.bea.wlpi.common.LongStrings**public class **LongStrings**

extends java.lang.Object

Supports serialization for strings, including those which exceed 64Kbytes in length when UTF-8 encoded. The class is required because pre-JDK1.3 VMs throw a UTFDataFormatException when attempting to serialize long strings.

Since:

WLPI version 1.2

Method Summary

static java.lang.String	decode (java.lang.Object o) Decode a previously encoded string.
static java.lang.Object	encode (java.lang.String s) Encode a string so that it can be serialized.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

decode

public static java.lang.String **decode**(java.lang.Object o)

Decode a previously encoded string. The string is assumed to have been encoded by

[encode\(java.lang.String\)](#): the object `o` must therefore be `null`, a `String[]`, or a `String`. If a `String[]`, the method reconstitutes the original string by concatenating the elements of the array.

See Also:

[encode\(java.lang.String\)](#)

encode

```
public static java.lang.Object encode(java.lang.String s)
```

Encode a string so that it can be serialized. If the current Java VM is JDK 1.3 or later, or if the string would occupy less than 64 Kbytes when UTF-8 encoded, the method returns `s` unchanged. Otherwise, the method converts the string into a string array, each element of which will occupy 64KBytes or less when UTF-8 encoded.

N.B. Once a long string has been encoded by this method under a JDK 1.3 VM then serialized, the resulting string cannot subsequently be deserialized by a pre-JDK 1.3 VM.

See Also:

[decode\(java.lang.Object\)](#)

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com.bea.wlpi.common

Class MethodDescriptor

java.lang.Object



All Implemented Interfaces:

java.io.Serializable

public class **MethodDescriptor**

extends java.lang.Object

implements java.io.Serializable

Describes a method on a server-side Java class. It is used to pass information about constructors and methods on server-side Java classes to the client, where the class in question may not be accessible.

See Also:

[Serialized Form](#)

Constructor Summary

[MethodDescriptor](#)(java.lang.reflect.Constructor constructor)
Create a new method descriptor to describe a constructor.

[MethodDescriptor](#)(java.lang.reflect.Method method)
Create a new method descriptor to describe a method.

Method Summary

boolean	equals (java.lang.Object obj) Test two method descriptors for equality.
java.lang.String[]	getExceptionTypes () Return an array of fully qualified exception class names.
java.lang.String	getMethodName () Return the method name.

<code>java.lang.String[]</code>	<u>getParameterTypes</u> () Return an array of fully qualified parameter class or interface names.
<code>java.lang.String</code>	<u>getReturnType</u> () Return the method's return type.
<code>boolean</code>	<u>isAbstract</u> () Return whether this is an abstract method.
<code>boolean</code>	<u>isFinal</u> () Return whether this is a final method.
<code>boolean</code>	<u>isNative</u> () Return whether this is a native method.
<code>boolean</code>	<u>isPrivate</u> () Return whether this is a private method or constructor.
<code>boolean</code>	<u>isProtected</u> () Return whether this is a protected method or constructor.
<code>boolean</code>	<u>isPublic</u> () Return whether this is a public method or constructor.
<code>boolean</code>	<u>isStatic</u> () Return whether this is a static method.
<code>boolean</code>	<u>isStrict</u> () Return whether this is a strict method.
<code>boolean</code>	<u>isSynchronized</u> () Return whether this is a synchronized method.
<code>java.lang.String</code>	<u>toString</u> () Return a string representation of the method or constructor.

Methods inherited from class `java.lang.Object`

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

Constructor Detail

MethodDescriptor

```
public MethodDescriptor(java.lang.reflect.Method method)
```

Create a new method descriptor to describe a method. The method name, parameter, return and

exception types are extracted and stored with the method descriptor object.

Parameters:

method - The method to describe.

MethodDescriptor

```
public MethodDescriptor(java.lang.reflect.Constructor constructor)
```

Create a new method descriptor to describe a constructor. The parameter, return and exception types are extracted and stored with the method descriptor object.

Parameters:

constructor - The constructor to describe.

Method Detail

getMethodName

```
public final java.lang.String getMethodName()
```

Return the method name.

Returns:

The method name.

getParameterTypes

```
public final java.lang.String[] getParameterTypes()
```

Return an array of fully qualified parameter class or interface names.

Returns:

An array of fully qualified parameter class or interface names.

getExceptionTypes

```
public final java.lang.String[] getExceptionTypes()
```

Return an array of fully qualified exception class names.

Returns:

An array of fully qualified exception class names thrown by the method.

getReturnType

```
public final java.lang.String getReturnType()
```

Return the method's return type.

Returns:

Fully qualified class or interface name of method's return type.

isPublic

```
public final boolean isPublic()
```

Return whether this is a public method or constructor.

Returns:

true if this is a public method or constructor.

isPrivate

```
public final boolean isPrivate()
```

Return whether this is a private method or constructor.

Returns:

true if this is a private method or constructor.

isProtected

```
public final boolean isProtected()
```

Return whether this is a protected method or constructor.

Returns:

true if this is a protected method or constructor.

isAbstract

```
public final boolean isAbstract()
```

Return whether this is an abstract method.

Returns:

true if this is an abstract method.

isStatic

```
public final boolean isStatic()
```

Return whether this is a static method.

Returns:

true if this is a static method.

isSynchronized

```
public final boolean isSynchronized()
```

Return whether this is a synchronized method.

Returns:

true if this is a synchronized method.

isNative

```
public final boolean isNative()
```

Return whether this is a native method.

Returns:

true if this is a native method.

isStrict

```
public final boolean isStrict()
```

Return whether this is a strict method.

Returns:

true if this is a strict method.

isFinal

```
public final boolean isFinal()
```

Return whether this is a final method.

Returns:

true if this is a final method.

toString

```
public java.lang.String toString()
```

Return a string representation of the method or constructor.

Overrides:

toString in class java.lang.Object

Returns:

A string representation of the method or constructor.

equals

```
public boolean equals(java.lang.Object obj)
```

Test two method descriptors for equality.

Overrides:

equals in class java.lang.Object

Returns:

true if obj is an instance of MethodDescriptor which has the same values as this one.

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com.bea.wlpi.common

Class OrganizationInfo

java.lang.Object

|
+-- **com.bea.wlpi.common.OrganizationInfo**

All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializablepublic final class **OrganizationInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about an organization.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#),
[XML REPOSITORY FOLDER](#)

Constructor Summary

[OrganizationInfo](#)(java.lang.String orgId)

Create a new OrganizationInfo object.

[OrganizationInfo](#)(java.lang.String orgId, java.lang.String calendarId)

Create a new OrganizationInfo object.

Method Summary

int	<code>compareTo</code> (java.lang.Object o) Compare two OrganizationInfo objects.
boolean	<code>equals</code> (java.lang.Object obj) Test two OrganizationInfo objects for equality.
java.lang.String	<code>getCalendarId</code> () Return the ID of the business calendar to use.
java.lang.Object	<code>getContents</code> () Return the publishable content.
java.lang.String	<code>getEntryName</code> () Return the display name for the publishable object.
java.lang.String	<code>getOrgId</code> () Return the organization ID.
java.lang.String	<code>getOwnerName</code> () Return the name of the object's owner.
int	<code>getType</code> () Return the type of publishable object.
boolean	<code>isPublished</code> () Returns whether the object is published.
void	<code>setCalendarId</code> (java.lang.String calendarId) Set the business calendar to use.

Methods inherited from class java.lang.Object

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`,
`wait`, `wait`, `wait`

Constructor Detail

OrganizationInfo

```
public OrganizationInfo(java.lang.String orgId)
```

Create a new OrganizationInfo object.

Parameters:

orgId - The organization ID.

OrganizationInfo

```
public OrganizationInfo(java.lang.String orgId,  
                        java.lang.String calendarId)
```

Create a new `OrganizationInfo` object.

Parameters:

`orgId` - The organization ID.

`calendarId` - The ID of the business calendar to use when performing business time interval calculations.

Method Detail

getOrgId

```
public final java.lang.String getOrgId()
```

Return the organization ID.

Returns:

The organization ID.

getCalendarId

```
public final java.lang.String getCalendarId()
```

Return the ID of the business calendar to use.

Returns:

The ID of the business calendar to use when performing business time interval calculations.

See Also:

[setCalendarId\(java.lang.String\)](#)

setCalendarId

```
public final void setCalendarId(java.lang.String calendarId)
```

Set the business calendar to use.

Parameters:

`calendarId` - The ID of the business calendar to use when calculating business time

intervals.

See Also:

[getCalendarId\(\)](#)

equals

```
public boolean equals(java.lang.Object obj)
```

Test two OrganizationInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - The object with which to compare this one.

Returns:

true if obj is an instance of OrganizationInfo with the same ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two OrganizationInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - The object with which to compare this one. Must be null or an instance of OrganizationInfo.

Returns:

The result of comparing the from and to members using the String.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of OrganizationInfo.

See Also:

[equals\(java.lang.Object\)](#)

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),

[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

true if the object is published.

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com.bea.wlpi.common

Class PackageEntry

java.lang.Object

|
+-- **com.bea.wlpi.common.PackageEntry**

All Implemented Interfaces:

java.io.Serializable

public class **PackageEntry**

extends java.lang.Object

implements java.io.Serializable

This class represents a single entry in a publish package JAR file.

See Also:

[Serialized Form](#)

Constructor Summary

[PackageEntry](#)([Publishable](#) p, java.util.Map r, boolean b)

Method Summary

java.lang.String [getEntryType](#)()[Publishable](#) [getPublishable](#)()boolean [getPublished](#)()java.util.Map [getReferences](#)()void [setPublishable](#)([Publishable](#) p)

void	setPublished (boolean b)
void	setReferences (java.util.Map r)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

PackageEntry

```
public PackageEntry(Publishable p,  
                   java.util.Map r,  
                   boolean b)
```

Method Detail

getPublishable

```
public Publishable getPublishable()
```

setPublishable

```
public void setPublishable(Publishable p)
```

getPublished

```
public boolean getPublished()
```

setPublished

```
public void setPublished(boolean b)
```

getReferences

```
public java.util.Map getReferences()
```

setReferences

```
public void setReferences(java.util.Map r)
```

getEntryType

```
public java.lang.String getEntryType()
```

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Class PublishPackage

```
java.lang.Object
|
+--com.bea.wlpi.common.PublishPackage
```

All Implemented Interfaces:

java.io.Serializable

public class **PublishPackage**

extends java.lang.Object

implements java.io.Serializable

This class represents all the entries to be included in a publish package JAR file.

See Also:

[Serialized Form](#)

Constructor Summary

[PublishPackage](#)()

[PublishPackage](#)(java.util.List l)

Method Summary

	void	addEntry (PackageEntry pe)
	java.util.Iterator	getEntries ()

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll,
toString, wait, wait, wait
```

Constructor Detail

PublishPackage

```
public PublishPackage()
```

PublishPackage

```
public PublishPackage(java.util.List l)
```

Method Detail

addEntry

```
public void addEntry(PackageEntry pe)
```

getEntries

```
public java.util.Iterator getEntries()
```

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com.bea.wlpi.common

Class RepositoryFolderInfoHelper

java.lang.Object

|
+-- **com.bea.wlpi.common.RepositoryFolderInfoHelper**

All Implemented Interfaces:

[Publishable](#), java.io.Serializablepublic class **RepositoryFolderInfoHelper**

extends java.lang.Object

implements java.io.Serializable, [Publishable](#)

This is an auxilliary class for com.bea.eci.repository.helper.RepositoryFolderInfo used solely for Import/Export purposes.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS_CALENDAR](#), [BUSINESS_OPERATION](#), [EVENT_KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE_DEFINITION](#), [USER](#), [XML_REPOSITORY_ENTITY](#),
[XML_REPOSITORY_FOLDER](#)

Constructor Summary

[RepositoryFolderInfoHelper](#)(java.lang.String type,
java.lang.String name, java.lang.String desc, java.lang.String notes)[RepositoryFolderInfoHelper](#)(java.lang.String type,
java.lang.String name, java.lang.String desc, java.lang.String notes,
[RepositoryFolderInfoHelper](#) parent)

Method Summary

boolean	equals (java.lang.Object obj)
java.lang.Object	getContents () Return the publishable content.
java.lang.String	getDescription ()
java.lang.String	getEntryName () Return the display name for the publishable object.
java.lang.String	getFolderType ()
java.lang.String	getName ()
java.lang.String	getNotes ()
java.lang.String	getOwnerName () Return the name of the object's owner.
RepositoryFolderInfoHelper	getParent ()
int	getType () Return the type of publishable object.
boolean	isPublished () Returns whether the object is published.
void	setParent (RepositoryFolderInfoHelper p)

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RepositoryFolderInfoHelper

```
public RepositoryFolderInfoHelper(java.lang.String type,  
                                  java.lang.String name,  
                                  java.lang.String desc,  
                                  java.lang.String notes)
```

RepositoryFolderInfoHelper

```
public RepositoryFolderInfoHelper(java.lang.String type,  
                                  java.lang.String name,  
                                  java.lang.String desc,  
                                  java.lang.String notes,  
                                  RepositoryFolderInfoHelper parent)
```

Method Detail

getFolderType

```
public java.lang.String getFolderType()
```

getName

```
public java.lang.String getName()
```

getDescription

```
public java.lang.String getDescription()
```

getNotes

```
public java.lang.String getNotes()
```

getParent

```
public RepositoryFolderInfoHelper getParent()
```

setParent

```
public void setParent(RepositoryFolderInfoHelper p)
```

equals

```
public boolean equals(java.lang.Object obj)
```

Overrides:

`equals` in class `java.lang.Object`

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

true if the object is published.

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com.bea.wlpi.common

Class RerouteInfo

java.lang.Object

|
+-- **com.bea.wlpi.common.RerouteInfo**

All Implemented Interfaces:

java.lang.Comparable, java.io.Serializable

public class **RerouteInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

Holds information about a task reroute.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Field Summary

static int	TYPE_ROLE Reroute tasks to a role.
static int	TYPE_USER Reroute tasks to another user.
static int	TYPE_USERINROLE Reroute tasks to a user in a role, using load-balancing.

Constructor Summary

```
RerouteInfo(java.lang.String id, java.lang.String from,  
java.lang.String to, int type, java.sql.Timestamp effective,  
java.sql.Timestamp expiry)
```

Create a new RerouteInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two RerouteInfo objects.
boolean	equals (java.lang.Object obj) Test two RerouteInfo objects for equality.
java.sql.Timestamp	getEffective () Return the date/time at which the task reroute becomes effective.
java.sql.Timestamp	getExpiry () Return the date/time at which the task reroute ceases to be effective.
java.lang.String	getFrom () Return the participant for whom the system will reassign tasks.
java.lang.String	getId () Return the task reroute ID.
java.lang.String	getTo () Return the participant to whom the rerouted tasks will be assigned.
int	getType () Return the reroute type.
void	setEffective (java.sql.Timestamp effective) Set the date/time at which the task reroute becomes effective.
void	setExpiry (java.sql.Timestamp expiry) Set the date/time at which the task reroute expires.
void	setFrom (java.lang.String from) Set the participant from whom rerouted tasks will be reassigned.
void	setTo (java.lang.String to) Set the participant to whom rerouted tasks will be assigned.
void	setType (int type) Set the task reroute type.
java.lang.String	toString () Return a string representation of the object.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

TYPE_USER

```
public static int TYPE_USER
```

Reroute tasks to another user.

TYPE_USERINROLE

```
public static int TYPE_USERINROLE
```

Reroute tasks to a user in a role, using load-balancing.

TYPE_ROLE

```
public static int TYPE_ROLE
```

Reroute tasks to a role.

Constructor Detail

RerouteInfo

```
public RerouteInfo(java.lang.String id,  
                  java.lang.String from,  
                  java.lang.String to,  
                  int type,  
                  java.sql.Timestamp effective,  
                  java.sql.Timestamp expiry)
```

Create a new RerouteInfo object.

Parameters:

id - The reroute ID.

from - The ID of the participant for whom the system will reassign tasks.

to - The ID of the participant to whom the rerouted tasks will be assigned.

type - Type of reroute: [TYPE_USER](#), [TYPE_USERINROLE](#) or [TYPE_ROLE](#).

effective - Date/time at which reroute becomes effective.

expiry - Date/time at which reroute ceases to be effective.

Method Detail

getId

```
public final java.lang.String getId()
```

Return the task reroute ID.

Returns:

The task reroute ID.

getFrom

```
public final java.lang.String getFrom()
```

Return the participant for whom the system will reassign tasks.

Returns:

ID of participant for whom the system will reassign tasks.

See Also:

[getTo\(\)](#)

getTo

```
public final java.lang.String getTo()
```

Return the participant to whom the rerouted tasks will be assigned.

Returns:

ID of participant to whom the rerouted tasks will be assigned.

See Also:

[getFrom\(\)](#), [setTo\(java.lang.String\)](#)

getType

```
public final int getType()
```

Return the reroute type.

Returns:

The type of reroute: [TYPE_USER](#), [TYPE_USERINROLE](#) or [TYPE_ROLE](#).

See Also:

[setType\(int\)](#)

getEffective

```
public final java.sql.Timestamp getEffective()
```

Return the date/time at which the task reroute becomes effective.

Returns:

The date/time at which the task reroute becomes effective.

See Also:

[setEffective\(java.sql.Timestamp\)](#)

getExpiry

```
public final java.sql.Timestamp getExpiry()
```

Return the date/time at which the task reroute ceases to be effective.

Returns:

The date/time at which the task reroute ceases to be effective.

See Also:

[setExpiry\(java.sql.Timestamp\)](#)

setFrom

```
public void setFrom(java.lang.String from)
```

Set the participant from whom rerouted tasks will be reassigned.

Parameters:

to - The ID of the participant from whom the rerouted tasks will be reassigned.

Since:

WebLogic Process Integrator version 1.2.

See Also:

[getFrom\(\)](#)

setTo

```
public void setTo(java.lang.String to)
```

Set the participant to whom rerouted tasks will be assigned.

Parameters:

to - The ID of the participant to whom the rerouted tasks will be assigned.

See Also:

[getTo\(\)](#)

setType

```
public void setType(int type)
```

Set the task reroute type.

Parameters:

type - The type of task reroute: [TYPE_USER](#), [TYPE_USERINROLE](#) or [TYPE_ROLE](#).

See Also:

[getType\(\)](#)

setEffective

```
public void setEffective(java.sql.Timestamp effective)
```

Set the date/time at which the task reroute becomes effective.

Parameters:

effective - The date/time at which the task reroute becomes effective.

See Also:

[getEffective\(\)](#)

setExpiry

```
public void setExpiry(java.sql.Timestamp expiry)
```

Set the date/time at which the task reroute expires.

Parameters:

expiry - The date/time after which task reroute expires.

See Also:

[getExpiry\(\)](#)

equals

```
public boolean equals(java.lang.Object obj)
```

Test two RerouteInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - The object with which to compare this one.

Returns:

true if obj is an instance of RerouteInfo with the same ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two RerouteInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - The object with which to compare this one. Must be null or an instance of RerouteInfo.

Returns:

The result of comparing the from and to members using the String.compareTo(Object) method.

Throws:

`java.lang.ClassCastException` - if `o` is not an instance of `RerouteInfo`.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

`toString` in class `java.lang.Object`

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

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com.bea.wlpi.common

Class RoleInfo

java.lang.Object

|

+-- **com.bea.wlpi.common.RoleInfo**

All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializablepublic final class **RoleInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about a workflow role.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#),
[XML REPOSITORY FOLDER](#)

Constructor Summary

[RoleInfo](#)(java.lang.String roleId, java.lang.String orgId)

Create a new RoleInfo object.

[RoleInfo](#)(java.lang.String roleId, java.lang.String orgId,
java.lang.String calendarId)

Create a new RoleInfo object.

```
RoleInfo(java.lang.String roleId, java.lang.String orgId,  
java.lang.String calendarId, java.lang.String groupId)  
Create a new RoleInfo object.
```

Method Summary

int	compareTo (java.lang.Object o) Compare two RoleInfo objects.
boolean	equals (java.lang.Object obj) Test two RoleInfo objects for equality.
java.lang.String	getCalendarId () Return the business calendar to use.
java.lang.Object	getContents () Return the publishable content.
java.lang.String	getEntryName () Return the display name for the publishable object.
java.lang.String	getGroupId () Return the WLS security group this role maps to.
java.lang.String	getOrgId () Return the organization within which the role is defined.
java.lang.String	getOwnerName () Return the name of the object's owner.
java.lang.String	getRoleId () Return the role ID.
int	getType () Return the type of publishable object.
boolean	isPublished () Returns whether the object is published.
void	setCalendarId (java.lang.String calendarId) Set the business calendar to use.
void	setGroupId (java.lang.String groupId) Set the WLS group this role maps to.
java.lang.String	toString () Return a string representation of the object.

Methods inherited from class java.lang.Object

```
clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

Constructor Detail

RoleInfo

```
public RoleInfo(java.lang.String roleId,  
                java.lang.String orgId)
```

Create a new RoleInfo object.

Parameters:

roleId - The role ID.

orgId - The ID of the organization within which the role is defined by the external security realm.

RoleInfo

```
public RoleInfo(java.lang.String roleId,  
                java.lang.String orgId,  
                java.lang.String calendarId)
```

Create a new RoleInfo object.

Parameters:

roleId - The role ID.

orgId - The ID of the organization within which the role is defined by the external security realm.

calendarId - The ID of the business calendar to use when performing business time interval calculations for the role.

RoleInfo

```
public RoleInfo(java.lang.String roleId,  
                java.lang.String orgId,  
                java.lang.String calendarId,  
                java.lang.String groupId)
```

Create a new RoleInfo object.

Parameters:

roleId - The role ID.

orgId - The ID of the organization within which the role is defined by the external security realm.

calendarId - The ID of the business calendar to use when performing business time interval calculations for the role.

groupId - The WLS security group that this role maps to.

Method Detail

getRoleId

```
public final java.lang.String getRoleId()
```

Return the role ID.

Returns:

The role ID.

getOrgId

```
public final java.lang.String getOrgId()
```

Return the organization within which the role is defined.

Returns:

The ID of the organization within which the role is defined.

getCalendarId

```
public final java.lang.String getCalendarId()
```

Return the business calendar to use.

Returns:

The ID of the business calendar.

See Also:

[setCalendarId\(java.lang.String\)](#)

getGroupId

```
public final java.lang.String getGroupId()
```

Return the WLS security group this role maps to.

Returns:

The WLS security group name

See Also:

[setGroupId\(java.lang.String\)](#)

setCalendarId

```
public final void setCalendarId(java.lang.String calendarId)
```

Set the business calendar to use.

Parameters:

calendarId - The ID of the business calendar.

See Also:

[getCalendarId\(\)](#)

setGroupId

```
public final void setGroupId(java.lang.String groupId)
```

Set the WLS group this role maps to. This will not update the mapping that must be done through the proper API. This is an internal only method

Returns:

The WLS security group name

See Also:

[setGroupId\(java.lang.String\)](#)

equals

```
public boolean equals(java.lang.Object obj)
```

Test two RoleInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of RoleInfo with the same role ID and organization ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two RoleInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of RoleInfo.

Returns:

The result of comparing the roleId and orgId members using the String.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of RoleInfo.

See Also:

[equals\(java.lang.Object\)](#)

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: com.bea.wlpi.common.Publishable

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

`toString` in class `java.lang.Object`

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

`true` if the object is published.

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
2.0

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com.bea.wlpi.common Class TaskInfo

```
java.lang.Object
|
+--com.bea.wlpi.common.TaskInfo
```

All Implemented Interfaces:

java.lang.Comparable, java.io.Serializable

public final class **TaskInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

Holds information about a workflow task.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Field Summary

static int	STATUS_COMPLETE Task is complete.
static int	STATUS_INACTIVE Task has not yet been started.
static int	STATUS_OVERDUE As for STATUS_PENDING , but due date is in the past.
static int	STATUS_PENDING Task has been started but is not yet complete.

Constructor Summary

[TaskInfo](#)(java.lang.String templateId, java.lang.String templateDefinitionId, java.lang.String instanceId, java.lang.String taskId, java.lang.String name, java.lang.String assignee, boolean assigneeIsRole, java.lang.String workflow, java.lang.String workflowId, int priority, java.sql.Timestamp started, java.sql.Timestamp completed, java.sql.Timestamp due, java.lang.String comment, boolean doneWithoutDoit, boolean doitIfDone, boolean unmarkDone, boolean modifiable, boolean reassignment)

Create a new TaskInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two TaskInfo objects.
boolean	equals (java.lang.Object obj) Test two TaskInfo objects for equality.
java.lang.String	getAssignee () Return the task's assignee.
java.lang.String	getComment () Return the human-readable task comment.
java.sql.Timestamp	getCompleted () Return the date/time at which the task was completed.
boolean	getDoitIfDone () Return whether a user can execute the task once it is complete.
boolean	getDoneWithoutDoit () Return whether a user can manually mark the task as complete.
java.sql.Timestamp	getDue () Return the date/time by which the task should be completed.
java.lang.String	getInstanceId () Return the workflow instance ID.
boolean	getModifiable () Return whether a user can modify the task settings at runtime.
java.lang.String	getName () Return the task name.

int	<u>getPriority()</u> Return the task priority.
boolean	<u>getReassignment()</u> Return whether a user can reassign the task at runtime.
java.sql.Timestamp	<u>getStarted()</u> Return the date/time at which the task was started.
int	<u>getStatus()</u> Return the task's status.
java.lang.String	<u>getTaskId()</u> Return the task ID.
java.lang.String	<u>getTemplateDefinitionId()</u> Return the workflow template definition ID.
java.lang.String	<u>getTemplateId()</u> Return the workflow template ID.
boolean	<u>getUnmarkDone()</u> Return whether a user can manually mark the task as incomplete.
java.lang.String	<u>getWorkflow()</u> Return the workflow name.
java.lang.String	<u>getWorkflowId()</u> Return the human-readable workflow instance label.
boolean	<u>isAssignedToRole()</u> Return whether the task is assigned to a role.
java.lang.String	<u>toString()</u> Return a string representation of the object, listing the field values.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

STATUS_INACTIVE

```
public static final int STATUS_INACTIVE
```

Task has not yet been started.

STATUS_PENDING

```
public static final int STATUS_PENDING
```

Task has been started but is not yet complete.

STATUS_OVERDUE

```
public static final int STATUS_OVERDUE
```

As for [STATUS_PENDING](#), but due date is in the past.

STATUS_COMPLETE

```
public static final int STATUS_COMPLETE
```

Task is complete.

Constructor Detail

TaskInfo

```
public TaskInfo(java.lang.String templateId,  
                java.lang.String templateDefinitionId,  
                java.lang.String instanceId,  
                java.lang.String taskId,  
                java.lang.String name,  
                java.lang.String assignee,  
                boolean assigneeIsRole,  
                java.lang.String workflow,  
                java.lang.String workflowId,  
                int priority,  
                java.sql.Timestamp started,  
                java.sql.Timestamp completed,  
                java.sql.Timestamp due,  
                java.lang.String comment,  
                boolean doneWithoutDoit,  
                boolean doitIfDone,  
                boolean unmarkDone,  
                boolean modifiable,
```

boolean reassignment)

Create a new TaskInfo object.

Parameters:

templateId - The template ID.

templateDefinitionId - The template definition ID.

instanceId - The workflow instance ID.

taskId - The task ID.

name - The task name as displayed to the user.

assigneeId - The ID of the participant to whom the task is assigned.

assigneeIsRole - Whether the assignee is a role (false if a user, or unassigned).

workflow - The workflow name.

workflowId - The human-readable workflow instance label.

priority - The task priority (0=low,1=medium,2=high).

started - The date on which task was started.

completed - The date on which task was completed.

due - The date by which task should be completed.

comment - The human-readable task comment.

doneWithoutDoit - true if a user can manually mark the task as complete.

doitWithoutDone - true if a user can execute the task once it is marked as complete.

unmarkDone - true if a user can manually mark the task as incomplete.

modifiable - true if a user can modify the task settings at runtime.

reassignment - true if a user can reassign the task at runtime.

Method Detail

getStatus

```
public final int getStatus()
```

Return the task's status.

Returns:

A value describing the task's status: [STATUS_INACTIVE](#), [STATUS_PENDING](#), [STATUS_OVERDUE](#) or [STATUS_COMPLETE](#).

getTemplateId

```
public final java.lang.String getTemplateId()
```

Return the workflow template ID.

Returns:

The workflow template ID.

getTemplateDefinitionId

```
public final java.lang.String getTemplateDefinitionId()
```

Return the workflow template definition ID.

Returns:

The workflow template definition ID.

getInstanceId

```
public final java.lang.String getInstanceId()
```

Return the workflow instance ID.

Returns:

The workflow instance ID.

getTaskId

```
public final java.lang.String getTaskId()
```

Return the task ID.

Returns:

The task ID.

getName

```
public final java.lang.String getName()
```

Return the task name.

Returns:

The task name.

getAssignee

```
public final java.lang.String getAssignee()
```

Return the task's assignee.

Returns:

The ID of the task's assignee.

See Also:

[isAssignedToRole\(\)](#)

isAssignedToRole

```
public final boolean isAssignedToRole()
```

Return whether the task is assigned to a role.

Returns:

true if the task is assigned to a role, otherwise false.

Since:

WebLogic Process Integrator version 1.1.

See Also:

[getAssignee\(\)](#)

getWorkflow

```
public final java.lang.String getWorkflow()
```

Return the workflow name.

Returns:

The workflow name.

getWorkflowId

```
public final java.lang.String getWorkflowId()
```

Return the human-readable workflow instance label.

Returns:

The human-readable workflow instance label.

getPriority

```
public final int getPriority()
```

Return the task priority.

Returns:

The task priority.

getStarted

```
public final java.sql.Timestamp getStarted()
```

Return the date/time at which the task was started.

Returns:

The date/time at which the task was started.

getCompleted

```
public final java.sql.Timestamp getCompleted()
```

Return the date/time at which the task was completed.

Returns:

The date/time at which the task was completed.

getDue

```
public final java.sql.Timestamp getDue()
```

Return the date/time by which the task should be completed.

Returns:

The date/time by which the task should be completed.

getComment

```
public final java.lang.String getComment()
```

Return the human-readable task comment.

Returns:

The human-readable task comment.

getDoneWithoutDoit

```
public final boolean getDoneWithoutDoit()
```

Return whether a user can manually mark the task as complete.

Returns:

true if a user can manually mark the task as complete.

getDoitIfDone

```
public final boolean getDoitIfDone()
```

Return whether a user can execute the task once it is complete.

Returns:

true if a user can execute the task once it is marked as complete.

getUnmarkDone

```
public final boolean getUnmarkDone()
```

Return whether a user can manually mark the task as incomplete.

Returns:

true if a user can manually mark the task as incomplete.

getModifiable

```
public final boolean getModifiable()
```

Return whether a user can modify the task settings at runtime.

Returns:

true if a user can modify the task settings at runtime.

getReassignment

```
public final boolean getReassignment()
```

Return whether a user can reassign the task at runtime.

Returns:

true if a user can reassign the task at runtime.

equals

```
public boolean equals(java.lang.Object obj)
```

Test two TaskInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of TaskInfo with the same taskId and instanceId as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two TaskInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of TaskInfo.

Returns:

The result of comparing the started members using the Date.compareTo(Object) method.

Throws:

`java.lang.ClassCastException` - if `o` is not an instance of `TaskInfo`.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object, listing the field values.

Overrides:

`toString` in class `java.lang.Object`

Returns:

A string representation of the object, listing the field values.

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com.bea.wlpi.common

Class TemplateDefinitionInfo

java.lang.Object

|

+-- **com.bea.wlpi.common.TemplateDefinitionInfo**

All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializablepublic final class **TemplateDefinitionInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about a workflow template definition.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#),
[XML REPOSITORY FOLDER](#)

Constructor Summary

[TemplateDefinitionInfo](#)(java.lang.String id,
java.sql.Timestamp effective, java.sql.Timestamp expiry,
boolean active)

Create a new `TemplateDefinitionInfo` object.

```
TemplateDefinitionInfo( java.lang.String id,  
java.sql.Timestamp effective, java.sql.Timestamp expiry,  
boolean active, java.lang.String templateId,  
java.lang.String templateName)
```

Create a new `TemplateDefinitionInfo` object.

```
TemplateDefinitionInfo( java.lang.String id,  
java.sql.Timestamp effective, java.sql.Timestamp expiry,  
boolean active, java.lang.String templateId,  
java.lang.String templateName, java.lang.String xml,  
java.util.Map pluginData, boolean published)
```

Method Summary

int	compareTo (java.lang.Object o) Compare two <code>TemplateDefinitionInfo</code> objects.
boolean	equals (java.lang.Object obj) Test two <code>TemplateDefinitionInfo</code> objects for equality.
boolean	getActive () Return whether the definition is marked as active.
java.lang.Object	getContents () Return the publishable content.
java.sql.Timestamp	getEffective () Return the effective date for the definition.
java.lang.String	getEntryName () Return the display name for the publishable object.
java.sql.Timestamp	getExpiry () Return the expiry date for the definition.
java.lang.String	getId () Return the template definition ID.
java.lang.String	getOwnerName () Return the name of the object's owner.
java.util.Map	getPluginData () Get the template definition properties for all plugins.
PluginObject	getPluginData (java.lang.String pluginName) Get the object containing template definition properties for the specified plugin.


```
boolean active,  
java.lang.String templateId,  
java.lang.String templateName)
```

Create a new `TemplateDefinitionInfo` object.

Parameters:

`id` - Template definition ID.
`effective` - The date/time on which the definition becomes effective.
`expiry` - The date/time on which the definition expires.
`active` - true if definition is active (i.e., can be instantiated).
`templateId` - The id of the template containing this definition.

TemplateDefinitionInfo

```
public TemplateDefinitionInfo(java.lang.String id,  
                               java.sql.Timestamp effective,  
                               java.sql.Timestamp expiry,  
                               boolean active,  
                               java.lang.String templateId,  
                               java.lang.String templateName,  
                               java.lang.String xml,  
                               java.util.Map pluginData,  
                               boolean published)
```

Since:

WebLogic Process Integrator 2.0

Method Detail

getId

```
public final java.lang.String getId()
```

Return the template definition ID.

Returns:

The template definition ID as set by the constructor.

getTemplateId

```
public final java.lang.String getTemplateId()
```


Return the template ID.

Returns:

The template ID as set by the constructor.

getTemplateName

```
public final java.lang.String getTemplateName()
```

Return the template name (if known).

Returns:

The template name as set by the constructor.

Since:

WebLogic Process Integrator 2.0

getEffective

```
public final java.sql.Timestamp getEffective()
```

Return the effective date for the definition.

Returns:

The effective date as set by the constructor.

getExpiry

```
public final java.sql.Timestamp getExpiry()
```

Return the expiry date for the definition.

Returns:

The expiry date as set by the constructor.

getActive

```
public final boolean getActive()
```

Return whether the definition is marked as active.

Returns:

The active flag as set by the constructor.

getPluginData

```
public java.util.Map getPluginData()
```

Get the template definition properties for all plugins.

Returns:

Plugin template definition properties.

Since:

WebLogic Process Integrator 2.0

getPluginData

```
public PluginObject getPluginData(java.lang.String pluginName)
```

Get the object containing template definition properties for the specified plugin.

Parameters:

pluginName - The plugin name.

Returns:

Plugin specific template definition properties.

Since:

WebLogic Process Integrator 2.0

isPublished

```
public boolean isPublished()
```

Whether this template definition is published.

Specified by:

[isPublished](#) in interface [Publishable](#)

Returns:

true if published.

Since:

WebLogic Process Integrator 2.0

equals

```
public boolean equals(java.lang.Object obj)
```

Test two TemplateDefinitionInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of TemplateDefinitionInfo with the same ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two TemplateDefinitionInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of TemplateDefinitionInfo.

Returns:

The result of comparing the effective members using the Date.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of TemplateDefinitionInfo.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

toString in class java.lang.Object

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: com.bea.wlpi.common.Publishable

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: com.bea.wlpi.common.Publishable

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

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[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common

Class TemplateInfo

java.lang.Object

|
+-- **com.bea.wlpi.common.TemplateInfo**

All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializablepublic final class **TemplateInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about a workflow template.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#),
[XML REPOSITORY FOLDER](#)

Constructor Summary

[TemplateInfo](#)(java.lang.String id, java.lang.String name)

Create a new TemplateInfo object.

[TemplateInfo](#)(java.lang.String id, java.lang.String name,
java.lang.String xml)

Create a new TemplateInfo object.

[TemplateInfo](#)(java.lang.String id, java.lang.String name, java.lang.String xml, java.util.Map pluginData, boolean published)
Create a new TemplateInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two TemplateInfo objects.
boolean	equals (java.lang.Object obj) Test two TemplateInfo objects for equality.
java.lang.Object	getContents () Return the publishable content.
java.lang.String	getEntryName () Return the display name for the publishable object.
java.lang.String	getId () Return the template ID.
java.lang.String	getName () Return the template name.
java.lang.String	getOwnerName () Return the name of the object's owner.
java.util.Map	getPluginData () Get the object containing template properties for the all plugins.
PluginObject	getPluginData (java.lang.String pluginName) Get the object containing template properties for the specified plugin.
int	getType () Return the type of publishable object.
boolean	isPublished () Whether this template is published.
java.lang.String	toString () Return a string representation of the object.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

TemplateInfo

```
public TemplateInfo(java.lang.String id,  
                    java.lang.String name)
```

Create a new TemplateInfo object.

Parameters:

id - The ID of the workflow template.

name - The template name.

TemplateInfo

```
public TemplateInfo(java.lang.String id,  
                    java.lang.String name,  
                    java.lang.String xml)
```

Create a new TemplateInfo object.

Parameters:

id - The ID of the workflow template.

name - The template name.

xml - The plugin-defined template properties in XML form.

Since:

WebLogic Process Integrator 2.0

TemplateInfo

```
public TemplateInfo(java.lang.String id,  
                    java.lang.String name,  
                    java.lang.String xml,  
                    java.util.Map pluginData,  
                    boolean published)
```

Create a new TemplateInfo object.

Parameters:

id - The ID of the workflow template.

name - The template name.

xml - The plugin-defined template properties in XML form.

pluginData - The plugin-defined template properties.

Since:

WebLogic Process Integrator 2.0

Method Detail

getId

```
public final java.lang.String getId()
```

Return the template ID.

Returns:

The template ID as set in the constructor.

getName

```
public final java.lang.String getName()
```

Return the template name.

Returns:

The template name as set in the constructor.

getPluginData

```
public java.util.Map getPluginData()
```

Get the object containing template properties for the all plugins.

Returns:

Map containing plugin template properties, keyed on plugin name.

Since:

WebLogic Process Integrator 2.0

getPluginData

```
public PluginObject getPluginData(java.lang.String pluginName)
```

Get the object containing template properties for the specified plugin.

Parameters:

`pluginName` - The plugin name.

Returns:

Plugin specific template properties.

Since:

WebLogic Process Integrator 2.0

isPublished

```
public boolean isPublished()
```

Whether this template is published.

Specified by:

[isPublished](#) in interface [Publishable](#)

Returns:

`true` if published.

Since:

WebLogic Process Integrator 2.0

equals

```
public boolean equals(java.lang.Object obj)
```

Test two `TemplateInfo` objects for equality.

Overrides:

`equals` in class `java.lang.Object`

Parameters:

`obj` - Object with which to compare this one.

Returns:

`true` if `obj` is an instance of `TemplateInfo` with the same ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two `TemplateInfo` objects.

Specified by:

`compareTo` in interface `java.lang.Comparable`

Parameters:

`obj` - Object with which to compare this one. Must be `null` or an instance of `TemplateInfo`.

Returns:

The result of comparing the name members using the `String.compareTo(Object)` method.

Throws:

`java.lang.ClassCastException` - if `o` is not an instance of `TemplateInfo`.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

`toString` in class `java.lang.Object`

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: com.bea.wlpi.common.Publishable

Returns:

The object's owner, if any.

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com.bea.wlpi.common

Class UserInfo

java.lang.Object

|

+-- **com.bea.wlpi.common.UserInfo**

All Implemented Interfaces:

java.lang.Comparable, [Publishable](#), java.io.Serializablepublic final class **UserInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable, [Publishable](#)

Holds information about a workflow user.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the `Collection.contains(Object)`, `List.indexOf(Object)`, `Collections.sort(List)` methods.

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS CALENDAR](#), [BUSINESS OPERATION](#), [EVENT KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE DEFINITION](#), [USER](#), [XML REPOSITORY ENTITY](#),
[XML REPOSITORY FOLDER](#)

Constructor Summary

[UserInfo](#)(java.lang.String userId)

Create a new UserInfo object.

[UserInfo](#)(java.lang.String userId, java.lang.String emailAddress,
java.lang.String defaultOrgId, java.lang.String calendarId)

Create a new UserInfo object.

Method Summary

int	<code>compareTo</code> (java.lang.Object o) Compare two UserInfo objects.
boolean	<code>equals</code> (java.lang.Object obj) Test two UserInfo objects for equality.
java.lang.String	<code>getCalendarId</code> () Return the user's business calendar.
java.lang.Object	<code>getContents</code> () Return the publishable content.
java.lang.String	<code>getDefaultOrgId</code> () Return the user's default organization.
java.lang.String	<code>getEmailAddress</code> () Return the user's email address.
java.lang.String	<code>getEntryName</code> () Return the display name for the publishable object.
java.lang.String	<code>getOwnerName</code> () Return the name of the object's owner.
int	<code>getType</code> () Return the type of publishable object.
java.lang.String	<code>getUserid</code> () Return the user ID.
boolean	<code>isPublished</code> () Returns whether the object is published.
void	<code>setCalendarId</code> (java.lang.String calendarId) Set the user's business calendar.
void	<code>setDefaultOrg</code> (java.lang.String defaultOrgId) Set the user's default organization.
void	<code>setEmailAddress</code> (java.lang.String emailAddress) Set the user's email address.
java.lang.String	<code>toString</code> () Return a string representation of the object.

Methods inherited from class java.lang.Object

```
clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

Constructor Detail

UserInfo

```
public UserInfo(java.lang.String userId)
```

Create a new UserInfo object.

Parameters:

userId - WebLogic Process Integrator user ID.

UserInfo

```
public UserInfo(java.lang.String userId,  
                java.lang.String emailAddress,  
                java.lang.String defaultOrgId,  
                java.lang.String calendarId)
```

Create a new UserInfo object.

Parameters:

userId - WebLogic Process Integrator user ID.

emailAddress - The user's email address.

defaultOrgId - ID of user's default organization.

calendarId - ID of user's business calendar (can be null).

Method Detail

getUserId

```
public final java.lang.String getUserId()
```

Return the user ID.

Returns:

The WebLogic Process Integrator user ID.

getEmailAddress

```
public final java.lang.String getEmailAddress()
```

Return the user's email address.

Returns:

The user's email address.

See Also:

[setEmailAddress\(java.lang.String\)](#)

getDefaultOrgId

```
public final java.lang.String getDefaultOrgId()
```

Return the user's default organization.

Returns:

The ID of the user's default organization.

See Also:

[setDefaultOrg\(java.lang.String\)](#)

getCalendarId

```
public final java.lang.String getCalendarId()
```

Return the user's business calendar.

Returns:

The ID of the user's business calendar.

See Also:

[setCalendarId\(java.lang.String\)](#)

setCalendarId

```
public final void setCalendarId(java.lang.String calendarId)
```

Set the user's business calendar.

Parameters:

calendarId - The ID of the business calendar to use.

See Also:

[getCalendarId\(\)](#)

setEmailAddress

```
public void setEmailAddress(java.lang.String emailAddress)
```

Set the user's email address.

Parameters:

emailAddress - The email address.

See Also:

[getEmailAddress\(\)](#)

setDefaultOrg

```
public void setDefaultOrg(java.lang.String defaultOrgId)
```

Set the user's default organization.

Parameters:

defaultOrgId - The ID of the user's default organization.

See Also:

[getDefaultOrgId\(\)](#)

equals

```
public boolean equals(java.lang.Object obj)
```

Test two UserInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of UserInfo with the same user ID as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two UserInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of UserInfo.

Returns:

The result of comparing the userId members using the String.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of UserInfo.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

toString in class java.lang.Object

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

`true` if the object is published.

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Class VariableInfo

java.lang.Object



All Implemented Interfaces:

java.lang.Comparable, java.io.Serializable

public final class **VariableInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

Holds information about a workflow variable.

Objects of this class override the boolean equals(Object) and implement the comparable interface. Homogeneous collections containing objects of this class may, therefore, be searched and sorted using the Collection.contains(Object), List.indexOf(Object), Collections.sort(List) methods.

See Also:

[Serialized Form](#)

Field Summary

static java.lang.String	DEFAULT_DATE_FORMAT
static java.lang.String	TYPE_BOOL
static java.lang.String	TYPE_DATE
static java.lang.String	TYPE_DOUBLE
static java.lang.String	TYPE_ENTITY

static java.lang.String	TYPE_INT
static java.lang.String	TYPE_OBJECT
static java.lang.String	TYPE_SESSION
static java.lang.String	TYPE_STRING
static java.lang.String	TYPE_XML

Constructor Summary

[VariableInfo](#)(java.lang.String name, java.lang.Object value)

Create a new VariableInfo object.

[VariableInfo](#)(java.lang.String name, java.lang.String type)

Create a new VariableInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two VariableInfo objects.
boolean	equals (java.lang.Object obj) Test two VariableInfo objects for equality.
java.lang.String	getName () Return the variable name.
java.lang.String	getType () Return the variable type.
java.lang.Object	getValue () Return the variable value.
java.lang.String	toString () Return a string representation of the object.
static void	validateType (java.lang.String type) Check the specified type name for validity.
static void	validateTypes (java.lang.String[] types) Check the specified type names for validity.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

TYPE_STRING

```
public static final java.lang.String TYPE_STRING
```

TYPE_INT

```
public static final java.lang.String TYPE_INT
```

TYPE_DOUBLE

```
public static final java.lang.String TYPE_DOUBLE
```

TYPE_DATE

```
public static final java.lang.String TYPE_DATE
```

TYPE_BOOL

```
public static final java.lang.String TYPE_BOOL
```

TYPE_XML

```
public static final java.lang.String TYPE_XML
```

TYPE_OBJECT

```
public static final java.lang.String TYPE_OBJECT
```

TYPE_SESSION

```
public static final java.lang.String TYPE_SESSION
```

TYPE_ENTITY

```
public static final java.lang.String TYPE_ENTITY
```

DEFAULT_DATE_FORMAT

```
public static final java.lang.String DEFAULT_DATE_FORMAT
```

Constructor Detail

VariableInfo

```
public VariableInfo(java.lang.String name,  
                    java.lang.Object value)
```

Create a new `VariableInfo` object.

Parameters:

name - The variable name.

value - The variable value.

VariableInfo

```
public VariableInfo(java.lang.String name,  
                    java.lang.String type)
```

Create a new `VariableInfo` object.

Parameters:

name - The variable name.

type - The variable type.

Since:

WebLogic Process Integrator 2.0

Method Detail

validateType

```
public static final void validateType(java.lang.String type)
```

Check the specified type name for validity.

Throws:

`java.lang.IllegalArgumentException` - if type is invalid.

validateTypes

```
public static final void validateTypes(java.lang.String[] types)
```

Check the specified type names for validity.

Throws:

`java.lang.IllegalArgumentException` - if any element of types is invalid.

getName

```
public final java.lang.String getName()
```

Return the variable name.

Returns:

The variable name as set by the constructor.

getType

```
public final java.lang.String getType()
```

Return the variable type.

Returns:

The variable type as set by the constructor.

Since:

getValue

```
public final java.lang.Object getValue()
```

Return the variable value.

Returns:

The variable value as set by the constructor.

equals

```
public boolean equals(java.lang.Object obj)
```

Test two VariableInfo objects for equality.

Overrides:

equals in class java.lang.Object

Parameters:

obj - Object with which to compare this one.

Returns:

true if obj is an instance of VariableInfo with the same name as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two VariableInfo objects.

Specified by:

compareTo in interface java.lang.Comparable

Parameters:

obj - Object with which to compare this one. Must be null or an instance of VariableInfo.

Returns:

The result of comparing the name members using the String.compareTo(Object) method.

Throws:

`java.lang.ClassCastException` - if `o` is not an instance of `VariableInfo`.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

`toString` in class `java.lang.Object`

Returns:

String representation, showing the values of members.

Since:

WebLogic Process Integrator 2.0

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com.bea.wlpi.common

Class VersionInfo

java.lang.Object

|
+-- **com.bea.wlpi.common.VersionInfo**

All Implemented Interfaces:

java.lang.Comparable, java.io.Serializable

public final class **VersionInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

Holds information about a version number. Objects of this class are available in both clients and server (via the [ServerProperties](#) session bean, and can be compared with each other to determine up/down level compatibility.

Objects of this class override the boolean `equals(Object)` and implement the comparable interface.

See Also:

[Serialized Form](#)

Constructor Summary

[VersionInfo](#)(int majorVersion, int minorVersion, int volume, java.lang.String build, java.lang.String name)
Create a new VersionInfo object.

[VersionInfo](#)(int majorVersion, int minorVersion, java.lang.String build, java.lang.String name)
Create a new VersionInfo object.

[VersionInfo](#)(java.lang.String version)
Create a new VersionInfo object from a string.

Method Summary

int	compareTo (java.lang.Object obj) Compare two VersionInfo objects.
boolean	equals (java.lang.Object obj) Test two VersionInfo objects for equality.
java.lang.String	getBuild () Return the build number or name.
static VersionInfo	getDefaultVersion () Return the information about the first release of WebLogic Process Integrator.
int	getMajorVersion () Return the major version number.
int	getMinorVersion () Return the minor version number.
java.lang.String	getName () Return the release name.
java.lang.String	getVolume () Return the volume number.
java.lang.String	toString () Return a string representation of the object.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

VersionInfo

```
public VersionInfo(int majorVersion,  
                  int minorVersion,  
                  java.lang.String build,  
                  java.lang.String name)
```

Create a new `VersionInfo` object.

Parameters:

`majorVersion` - The major version number (e.g., the 1 in "1.2").

`minorVersion` - The minor version number (e.g., the 2 in "1.2").

`build` - The build number or name.

`name` - The release name (e.g. "Chicoutimi").

VersionInfo

```
public VersionInfo(int majorVersion,  
                    int minorVersion,  
                    int volume,  
                    java.lang.String build,  
                    java.lang.String name)
```

Create a new `VersionInfo` object.

Parameters:

`majorVersion` - The major version number (e.g., the 1 in "1.2").

`minorVersion` - The minor version number (e.g., the 2 in "1.2").

`volume` - The volume number (e.g., the 3 in "1.2.3"). Used only in volume releases.

`build` - The build number or name.

`name` - The release name (e.g. "Chicoutimi").

VersionInfo

```
public VersionInfo(java.lang.String version)
```

Create a new `VersionInfo` object from a string.

Parameters:

`version` - The version number expressed in Dewey Decimal format (e.g., "1.2.3"). The string can contain between two and four dot-separated integer components, corresponding to the `majorVersion`, `minorVersion`, `volume`, `build` values. If there are three such components, the third is interpreted as the volume number: to specify a build number, supply four tokens (the volume number can be 0).

Method Detail

getDefaultVersion

```
public static final VersionInfo getDefaultVersion()
```

Return the information about the first release of WebLogic Process Integrator.

Returns:

information for "1.0.0 Athabasca"

getMajorVersion

```
public final int getMajorVersion()
```

Return the major version number.

Returns:

The major version number as set by the constructor.

getMinorVersion

```
public final int getMinorVersion()
```

Return the minor version number.

Returns:

The minor version number as set by the constructor.

getVolume

```
public final java.lang.String getVolume()
```

Return the volume number.

Returns:

The volume number as set by the constructor.

getBuild

```
public final java.lang.String getBuild()
```

Return the build number or name.

Returns:

The build number or name as set by the constructor.

getName

```
public final java.lang.String getName()
```

Return the release name.

Returns:

The release name as set by the constructor.

equals

```
public boolean equals(java.lang.Object obj)
```

Test two `VersionInfo` objects for equality. The comparison is based solely on the major and minor version numbers.

Overrides:

`equals` in class `java.lang.Object`

Parameters:

`obj` - Object with which to compare this one.

Returns:

`true` if `obj` is an instance of `VersionInfo` with the same `majorVersion` and `minorVersion` as this one.

See Also:

[`compareTo\(java.lang.Object\)`](#)

compareTo

```
public int compareTo(java.lang.Object obj)
```

Compare two `VersionInfo` objects.

Specified by:

`compareTo` in interface `java.lang.Comparable`

Parameters:

`obj` - Object with which to compare this one.

Returns:

a negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object. The result of determined by comparing the `majorVersion` and

minorVersion members of the two objects.

Throws:

`java.lang.ClassCastException` - if `o` is not an instance of `VersionInfo`.

See Also:

[equals\(java.lang.Object\)](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object. The string contains the values of the `majorVersion`, `minorVersion`, `volume` and `build` members, separated by periods (e.g., "1.2.3 SP4"). Volume and build (i.e., Service Pack) are only shown if they are non-zero.

Overrides:

`toString` in class `java.lang.Object`

Returns:

the version number as a string.

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com.bea.wlpi.common

Class XMLEntityInfoHelper

java.lang.Object

|

+-- **com.bea.wlpi.common.XMLEntityInfoHelper**

All Implemented Interfaces:

[Publishable](#), java.io.Serializablepublic class **XMLEntityInfoHelper**

extends java.lang.Object

implements java.io.Serializable, [Publishable](#)

This is an auxilliary class for com.bea.eci.repository.helper.XMLEntityInfo used solely for Import/Export purposes.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from interface com.bea.wlpi.common.[Publishable](#)

[BUSINESS_CALENDAR](#), [BUSINESS_OPERATION](#), [EVENT_KEY](#), [ORG](#), [ROLE](#),
[TEMPLATE](#), [TEMPLATE_DEFINITION](#), [USER](#), [XML_REPOSITORY_ENTITY](#),
[XML_REPOSITORY_FOLDER](#)

Constructor Summary

[XMLEntityInfoHelper](#)(int type, java.lang.String name,
java.lang.String desc, java.lang.String notes)

Method Summary

void	<u>addParentFolder</u> (<u>RepositoryFolderInfoHelper</u> rfiH)
boolean	<u>equals</u> (java.lang.Object obj)
java.lang.Object	<u>getContents</u> () Return the publishable content.
java.lang.String	<u>getDescription</u> ()
int	<u>getEntityType</u> ()
java.lang.String	<u>getEntryName</u> () Return the display name for the publishable object.
java.lang.String	<u>getName</u> ()
java.lang.String	<u>getNotes</u> ()
java.lang.String	<u>getOwnerName</u> () Return the name of the object's owner.
java.util.List	<u>getParentFolders</u> ()
int	<u>getType</u> () Return the type of publishable object.
boolean	<u>isPublished</u> () Returns whether the object is published.
void	<u>setContent</u> (byte[] c)

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

XMLEntityInfoHelper

```
public XMLEntityInfoHelper(int type,  
                           java.lang.String name,  
                           java.lang.String desc,  
                           java.lang.String notes)
```

Method Detail

getEntityType

```
public int getEntityType()
```

getName

```
public java.lang.String getName()
```

getDescription

```
public java.lang.String getDescription()
```

getNotes

```
public java.lang.String getNotes()
```

setContent

```
public void setContent(byte[] c)
```

addParentFolder

```
public void addParentFolder(RepositoryFolderInfoHelper rfiH)
```

getParentFolders

```
public java.util.List getParentFolders()
```

equals

```
public boolean equals(java.lang.Object obj)
```

Overrides:

`equals` in class `java.lang.Object`

getContents

```
public java.lang.Object getContents()
```

Description copied from interface: [Publishable](#)

Return the publishable content.

Specified by:

[getContents](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

A serializable object.

getEntryName

```
public java.lang.String getEntryName()
```

Description copied from interface: [Publishable](#)

Return the display name for the publishable object.

Specified by:

[getEntryName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Display name.

getType

```
public int getType()
```

Description copied from interface: [Publishable](#)

Return the type of publishable object.

Specified by:

[getType](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

Publishable object type: [Publishable.TEMPLATE](#),
[Publishable.TEMPLATE_DEFINITION](#),
[Publishable.BUSINESS_OPERATION](#), [Publishable.BUSINESS_CALENDAR](#),
[Publishable.USER](#), [Publishable.ROLE](#), [Publishable.ORG](#),
[Publishable.XML_REPOSITORY_FOLDER](#),
[Publishable.XML_REPOSITORY_ENTITY](#), [Publishable.EVENT_KEY](#),

getOwnerName

```
public java.lang.String getOwnerName()
```

Description copied from interface: [Publishable](#)

Return the name of the object's owner.

Specified by:

[getOwnerName](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

The object's owner, if any.

isPublished

```
public boolean isPublished()
```

Description copied from interface: [Publishable](#)

Returns whether the object is published. Published objects cannot be modified.

Specified by:

[isPublished](#) in interface [Publishable](#)

Following copied from interface: `com.bea.wlpi.common.Publishable`

Returns:

true if the object is published.

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com.bea.wlpi.common

Class XMLProxy

java.lang.Object

|
+-- **com.bea.wlpi.common.XMLProxy**

All Implemented Interfaces:

org.xml.sax.ContentHandler, org.xml.sax.XMLReader

public class **XMLProxy**

extends java.lang.Object

implements org.xml.sax.ContentHandler, org.xml.sax.XMLReader

Provide a proxy to delegate XML parsing.

This class delegates all parsing work over to destination handler, and returns parsing to the original handler when the end of certain XML piece is hit.

For destination handler, XMLProxy was no different than a SAX parser, it can delegate parsing job even further by setting XMLProxy's content handler; For the original handler side, it was a content handler doing all parsing.

Using this proxy technique, one can delegate the parsing of certain XML section to external objects and ensure the parsing is handed back at the end.

Since:

WebLogic Process Integrator 2.0

Constructor Summary

[XMLProxy](#)(java.lang.String end, org.xml.sax.XMLReader parser, org.xml.sax.ContentHandler handler)

Construct a new XMLProxy.

Method Summary

void [characters](#)(char[] ch, int start, int length)

void [endDocument](#)()

void [endElement](#)(java.lang.String namespaceURI, java.lang.String localName, java.lang.String name)

void	<u>endPrefixMapping</u> (java.lang.String prefix)
org.xml.sax.ContentHandler	<u>getContentHandler</u> ()
org.xml.sax.DTDHandler	<u>getDTDHandler</u> ()
org.xml.sax.EntityResolver	<u>getEntityResolver</u> ()
org.xml.sax.ErrorHandler	<u>getErrorHandler</u> ()
boolean	<u>getFeature</u> (java.lang.String name)
java.lang.Object	<u>getProperty</u> (java.lang.String name)
void	<u>ignorableWhitespace</u> (char[] ch, int start, int length)
void	<u>parse</u> (org.xml.sax.InputSource input)
void	<u>parse</u> (java.lang.String systemId)
void	<u>processingInstruction</u> (java.lang.String target, java.lang.String data)
void	<u>setContentHandler</u> (org.xml.sax.ContentHandler handler)
void	<u>setDocumentLocator</u> (org.xml.sax.Locator locator)
void	<u>setDTDHandler</u> (org.xml.sax.DTDHandler handler)
void	<u>setEntityResolver</u> (org.xml.sax.EntityResolver resolver)
void	<u>setErrorHandler</u> (org.xml.sax.ErrorHandler handler)
void	<u>setFeature</u> (java.lang.String name, boolean value)
void	<u>setProperty</u> (java.lang.String name, java.lang.Object value)
void	<u>skippedEntity</u> (java.lang.String name)
void	<u>startDocument</u> ()

void	<code>startElement</code> (java.lang.String namespaceURI, java.lang.String localName, java.lang.String name, org.xml.sax.Attributes atts)
void	<code>startPrefixMapping</code> (java.lang.String prefix, java.lang.String uri)

Methods inherited from class java.lang.Object

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructor Detail

XMLProxy

```
public XMLProxy(java.lang.String end,
                org.xml.sax.XMLReader parser,
                org.xml.sax.ContentHandler handler)
```

Construct a new XMLProxy. The old content handler is marked and will be reset as the content handler of this parsing once parsing reaches the end.

Parameters:

`end` - The element name for the end of XML section which indicates that parsing should be returned to the original handler.

`parser` - The parser.

`handler` - The ContentHandler which does the parsing for this particular section.

Method Detail

endElement

```
public void endElement(java.lang.String namespaceURI,
                      java.lang.String localName,
                      java.lang.String name)
    throws org.xml.sax.SAXException
```

Specified by:

`endElement` in interface `org.xml.sax.ContentHandler`

endDocument

```
public void endDocument()  
    throws org.xml.sax.SAXException
```

Specified by:

endDocument in interface org.xml.sax.ContentHandler

characters

```
public void characters(char[] ch,  
    int start,  
    int length)  
    throws org.xml.sax.SAXException
```

Specified by:

characters in interface org.xml.sax.ContentHandler

startPrefixMapping

```
public void startPrefixMapping(java.lang.String prefix,  
    java.lang.String uri)  
    throws org.xml.sax.SAXException
```

Specified by:

startPrefixMapping in interface org.xml.sax.ContentHandler

endPrefixMapping

```
public void endPrefixMapping(java.lang.String prefix)  
    throws org.xml.sax.SAXException
```

Specified by:

endPrefixMapping in interface org.xml.sax.ContentHandler

skippedEntity

```
public void skippedEntity(java.lang.String name)  
    throws org.xml.sax.SAXException
```

Specified by:

skippedEntity in interface org.xml.sax.ContentHandler

ignorableWhitespace

```
public void ignorableWhitespace(char[] ch,  
                                int start,  
                                int length)  
    throws org.xml.sax.SAXException
```

Specified by:

ignorableWhitespace in interface org.xml.sax.ContentHandler

processingInstruction

```
public void processingInstruction(java.lang.String target,  
                                   java.lang.String data)  
    throws org.xml.sax.SAXException
```

Specified by:

processingInstruction in interface org.xml.sax.ContentHandler

setDocumentLocator

```
public void setDocumentLocator(org.xml.sax.Locator locator)
```

Specified by:

setDocumentLocator in interface org.xml.sax.ContentHandler

startDocument

```
public void startDocument()  
    throws org.xml.sax.SAXException
```

Specified by:

startDocument in interface org.xml.sax.ContentHandler

startElement

```
public void startElement(java.lang.String namespaceURI,  
                           java.lang.String localName,  
                           java.lang.String name,  
                           org.xml.sax.Attributes atts)  
    throws org.xml.sax.SAXException
```

Specified by:

startElement in interface org.xml.sax.ContentHandler

getFeature

```
public boolean getFeature(java.lang.String name)
    throws org.xml.sax.SAXNotRecognizedException,
           org.xml.sax.SAXNotSupportedException
```

Specified by:

getFeature in interface org.xml.sax.XMLReader

setFeature

```
public void setFeature(java.lang.String name,
    boolean value)
    throws org.xml.sax.SAXNotRecognizedException,
           org.xml.sax.SAXNotSupportedException
```

Specified by:

setFeature in interface org.xml.sax.XMLReader

getProperty

```
public java.lang.Object getProperty(java.lang.String name)
    throws org.xml.sax.SAXNotRecognizedException,
           org.xml.sax.SAXNotSupportedException
```

Specified by:

getProperty in interface org.xml.sax.XMLReader

setProperty

```
public void setProperty(java.lang.String name,
    java.lang.Object value)
    throws org.xml.sax.SAXNotRecognizedException,
           org.xml.sax.SAXNotSupportedException
```

Specified by:

setProperty in interface org.xml.sax.XMLReader

setEntityResolver

```
public void setEntityResolver(org.xml.sax.EntityResolver resolver)
```

Specified by:

setEntityResolver in interface org.xml.sax.XMLReader

getEntityResolver

```
public org.xml.sax.EntityResolver getEntityResolver()
```

Specified by:

getEntityResolver in interface org.xml.sax.XMLReader

setDTDHandler

```
public void setDTDHandler(org.xml.sax.DTDHandler handler)
```

Specified by:

setDTDHandler in interface org.xml.sax.XMLReader

getDTDHandler

```
public org.xml.sax.DTDHandler getDTDHandler()
```

Specified by:

getDTDHandler in interface org.xml.sax.XMLReader

setContentHandler

```
public void setContentHandler(org.xml.sax.ContentHandler handler)
```

Specified by:

setContentHandler in interface org.xml.sax.XMLReader

getContentHandler

```
public org.xml.sax.ContentHandler getContentHandler()
```

Specified by:

getContentHandler in interface org.xml.sax.XMLReader

setErrorHandler

```
public void setErrorHandler(org.xml.sax.ErrorHandler handler)
```

Specified by:

setErrorHandler in interface org.xml.sax.XMLReader

getErrorHandler

```
public org.xml.sax.ErrorHandler getErrorHandler()
```

Specified by:

getErrorHandler in interface org.xml.sax.XMLReader

parse

```
public void parse(org.xml.sax.InputSource input)
    throws java.io.IOException,
           org.xml.sax.SAXException
```

Specified by:

parse in interface org.xml.sax.XMLReader

parse

```
public void parse(java.lang.String systemId)
    throws java.io.IOException,
           org.xml.sax.SAXException
```

Specified by:

parse in interface org.xml.sax.XMLReader

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com.bea.wlpi.common

Class XMLWriter

java.lang.Object

+-- **com.bea.wlpi.common.XMLWriter**

public class XMLWriter

extends java.lang.Object

Constructor Summary

[XMLWriter](#)(java.io.Writer writer)

Method Summary

void	saveElement (int indent, java.lang.String name, boolean bEnd)
------	---

void	saveElement (int indent, java.lang.String name, java.lang.String value)
------	---

void	saveElement (int indent, java.lang.String name, java.lang.String[][] attributes, boolean bEnd)
------	--

void	saveElement (int indent, java.lang.String name, java.lang.String[][] attributes, java.lang.String value)
------	--

static void	saveIndent (int indent)
-------------	---

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll,
toString, wait, wait, wait
```

Constructor Detail

XMLWriter

```
public XMLWriter(java.io.Writer writer)
```

Method Detail

saveIndent

```
public static void saveIndent(int indent)
    throws java.io.IOException
```

Parameters:

writer -

indent -

Throws:

java.io.IOException -

saveElement

```
public void saveElement(int indent,
    java.lang.String name,
    java.lang.String value)
    throws java.io.IOException
```

saveElement

```
public void saveElement(int indent,
    java.lang.String name,
    java.lang.String[][] attributes,
    java.lang.String value)
    throws java.io.IOException
```

Parameters:

writer -
indent -
name -
attributes -
value -

Throws:

java.io.IOException -

saveElement

```
public void saveElement(int indent,  
                        java.lang.String name,  
                        boolean bEnd)  
    throws java.io.IOException
```

Parameters:

writer -
indent -
name -
bEnd -

Throws:

java.io.IOException -

saveElement

```
public void saveElement(int indent,  
                        java.lang.String name,  
                        java.lang.String[][] attributes,  
                        boolean bEnd)  
    throws java.io.IOException
```

Parameters:

writer -
indent -
name -
attributes -
bEnd -

Throws:

`java.io.IOException` -

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com.bea.wlpi.server.serverproperties

Interface ServerProperties

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **ServerProperties**

extends javax.ejb.EJBObject

Provides information about the WebLogic Process Integrator Server.

Since:

WebLogic Process Integrator version 1.1.

See Also:

[ServerPropertiesHome](#)

Field Summary

static java.lang.String	NAME_PROPERTY Property name used to retrieve the product name: "product.name"
-------------------------	---

Method Summary

java.util.Properties	getProperties () Return the server's properties.
VersionInfo	getServerVersion () Return the server version.
VersionInfo	getTemplateDefinitionVersion () Return the template definition version supported by the server.

Methods inherited from interface javax.ejb.EJBObject

getEJBHome, getHandle, getPrimaryKey, isIdentical, remove

Field Detail

NAME_PROPERTY

```
public static final java.lang.String NAME_PROPERTY
    Property name used to retrieve the product name: "product.name"
```

Method Detail

getServerVersion

```
public VersionInfo getServerVersion()
    throws java.rmi.RemoteException
```

Return the server version.

Returns:

an object representing the server's version number.

getTemplateDefinitionVersion

```
public VersionInfo getTemplateDefinitionVersion()
    throws java.rmi.RemoteException
```

Return the template definition version supported by the server.

Returns:

the template definition version.

getProperties

```
public java.util.Properties getProperties()
    throws java.rmi.RemoteException
```

Return the server's properties. The object returned contains the Java system properties and additional properties whose names are described herein.

Returns:

The server properties.

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com.bea.wlpi.client.repository

Class RepositoryExplorer

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.JPanel
                |
                +-- com.bea.wlpi.client.repository.RepositoryExplorer
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.awt.datatransfer.ClipboardOwner, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable

public class **RepositoryExplorer**

extends javax.swing.JPanel

implements java.awt.event.ActionListener, java.awt.datatransfer.ClipboardOwner

A graphical component used to access the BEA repository. The repository browser provides a tree view of the object folder hierarchy, a table view of a selected folder's contents, and a panel view of any item selected in the table.

Since:

WebLogic Process Integrator 2.0

See Also:

RepositoryFolderContents, FolderDisplay, EntityDisplay, com.bea.wlpi.client.repository.RepositoryDisplay, [Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

javax.swing.JPanel.AccessibleJPanel

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Field Summary

static java.awt.Insets	borderSpacing Border size for this component
static java.lang.String	ENTITY_DBL_CLICKED ActionEvent command for double-clicks on entities.
protected static javax.swing.tree.TreePath	lastPath The last node selected on the tree.

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[RepositoryExplorer](#)(java.lang.String driver, java.lang.String url, java.lang.String server, java.lang.String user, java.lang.String pswd, javax.swing.JFrame parentFrame)

Creates new RepositoryExplorer for displaying repository information in which the client is connected using a JDBC connection (as opposed to using a WLS data source).

[RepositoryExplorer](#)([XMLRepository](#).ejb, javax.swing.JDialog parentDialog)
Creates new RepositoryExplorer.

[RepositoryExplorer](#)([XMLRepository](#).ejb, javax.swing.JFrame parentFrame)
Creates new RepositoryExplorer.

Method Summary

void	<u>actionPerformed</u> (java.awt.event.ActionEvent evt) Internal Use Only.
void	<u>addActionListener</u> (java.awt.event.ActionListener l) Register a listener for events generated by this object.
protected static <u>XMLEntityInfo</u>	<u>getEntityFromClipboard</u> ()
<u>XMLEntityInfo</u>	<u>getSelectedObject</u> () Gets the currently selected entity, if one is selected.
void	<u>lostOwnership</u> (java.awt.datatransfer.Clipboard clipboard, java.awt.datatransfer.Transferable contents) This method is called when the this object is no longer the owner of the contents of the clipboard.
void	<u>refreshTree</u> () Refreshes the tree with the latest contents from the database.
void	<u>removeActionListener</u> (java.awt.event.ActionListener l) Remove a listener that was registered to be notified of events generated by this object.

Methods inherited from class javax.swing.JPanel

getAccessibleContext, getUIClassID, paramString, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet,

isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent,

```
processInputMethodEvent, processMouseEvent, remove,
removeComponentListener, removeFocusListener,
removeHierarchyBoundsListener, removeHierarchyListener,
removeInputMethodListener, removeKeyListener, removeMouseListener,
removeMouseMotionListener, repaint, repaint, repaint, resize, resize,
setBounds, setBounds, setComponentOrientation, setCursor,
setDropTarget, setLocale, setLocation, setLocation, setName, setSize,
setSize, show, show, size, toString, transferFocus
```

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait,
wait, wait
```

Field Detail

ENTITY_DBL_CLICKED

```
public static final java.lang.String ENTITY_DBL_CLICKED
    ActionEvent command for double-clicks on entities.
```

borderSpacing

```
public static final java.awt.Insets borderSpacing
    Border size for this component
```

lastPath

```
protected static javax.swing.tree.TreePath lastPath
    The last node selected on the tree.
```

Constructor Detail

RepositoryExplorer

```
public RepositoryExplorer(XMLRepository.ejb,
                           javax.swing.JFrame parentFrame)
    throws java.rmi.RemoteException
```

Creates new RepositoryExplorer.

Parameters:

ejb - an handle to a XMLReepository EJB.

parentFrame - the javax.swing.JFrame object that acts as the parent for all dialogs displayed by the RepositoryExplorer.

Throws:

java.rmi.RemoteException -

RepositoryExplorer

```
public RepositoryExplorer(XMLRepository ejb,  
                           javax.swing.JDialog parentDialog)  
    throws java.rmi.RemoteException
```

Creates new RepositoryExplorer.

Parameters:

ejb - an handle to a XMLReepository EJB.

parentDialog - the javax.swing.JDialog object that acts as the parent for all dialogs displayed by the RepositoryExplorer.

Throws:

java.rmi.RemoteException -

RepositoryExplorer

```
public RepositoryExplorer(java.lang.String driver,  
                           java.lang.String url,  
                           java.lang.String server,  
                           java.lang.String user,  
                           java.lang.String pswd,  
                           javax.swing.JFrame parentFrame)  
    throws java.rmi.RemoteException,  
           javax.naming.NamingException,  
           javax.ejb.CreateException
```

Creates new RepositoryExplorer for displaying repository information in which the client is connected using a JDBC connection (as opposed to using a WLS data source).

Parameters:

driver - a String containing the JDBC driver used to connect to the repository.

url - a String containing the URL of the JDBC driver used to connect to the repository.

server - a String containing the name of the database server that has the repository tables in it.

user - a String containing the user id used to login to WLS.

pswd - a String containing the WLS user's password.

parentFrame - the java.awt.Frame object that acts as the parent for all dialogs displayed by the RepositoryExplorer.

Throws:

javax.ejb.CreateException -

javax.naming.NamingException -
java.rmi.RemoteException -

Method Detail

getSelectedObject

```
public XMLEntityInfo getSelectedObject()
```

Gets the currently selected entity, if one is selected.

Returns:

an [XMLEntityInfo](#) object representing an entity in the repository, including the entity's content or null if an entity is not currently selected.

addActionListener

```
public void addActionListener(java.awt.event.ActionListener l)
```

Register a listener for events generated by this object. The only time an event is generated is when an entity is double-clicked on. The generated `ActionEvent` will have an action command of `RepositoryExplaorer.ENTITY_DBL_CLICKED`.

Parameters:

l -

removeActionListener

```
public void removeActionListener(java.awt.event.ActionListener l)
```

Remove a listener that was registered to be notified of events generated by this object.

Parameters:

l -

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent evt)
```

Internal Use Only.

Process component actions instigated by the user. This method acts as the `ActionListener` for both this object (mostly menu actions for nodes of the folder tree) and the `RepositoryFolderContent`'s following menu items:

- Open Folder
- Update Folder
- Delete Folder

- Export Entity
- Update Entity
- Delete Entity

Specified by:

actionPerformed in interface `java.awt.event.ActionListener`

Parameters:

evt - `ActionEvent` object created by component.

refreshTree

```
public void refreshTree()
```

Refreshes the tree with the latest contents from the database.

getEntityFromClipboard

```
protected static XMLEntityInfo getEntityFromClipboard()
```

lostOwnership

```
public void lostOwnership(java.awt.datatransfer.Clipboard clipboard,  
                          java.awt.datatransfer.Transferable contents)
```

This method is called when the this object is no longer the owner of the contents of the clipboard.

Specified by:

lostOwnership in interface `java.awt.datatransfer.ClipboardOwner`

Parameters:

clipboard - the Clipboard that is no longer owned.

contents - the contents which this owner had placed on the clipboard.

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com.bea.wlpi.server.plugin

Interface PluginTemplateNode

All Superinterfaces:

org.xml.sax.ContentHandler, [PluginObject](#), java.io.Serializable

All Known Subinterfaces:

[PluginDone](#), [PluginStart](#)public interface **PluginTemplateNode**extends [PluginObject](#)

The base interface for plugin provided start and done nodes.

Since:

WebLogic Process Integrator 2.0

Method Summary

int	activate (ExecutionContext context)
	Activate the template node.

void	fixup (com.bea.wlpi.evaluator.ExpressionParser parser)
	The framework calls this method after parsing the template definition.

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

characters, endDocument, endElement, endPrefixMapping, ignorableWhitespace, processingInstruction, setDocumentLocator, skippedEntity, startDocument, startElement, startPrefixMapping

Method Detail

activate

```
public int activate(ExecutionContext context)
    throws WorkflowException
```

Activate the template node.

Parameters:

`context` - The execution context. This object provides access to the runtime context, including the template ID, template definition ID, workflow instance ID, event data, and various services related to workflow enactment.

Returns:

Indicates whether (and how) to continue subsequent processing. Must be [ExecutionContext.CONTINUE](#) or [ExecutionContext.STOP](#).

Throws:

[WorkflowException](#) - if an error occurred during node activation.

fixup

```
public void fixup(com.bea.wlpi.evaluator.ExpressionParser parser)
    throws WorkflowException
```

The framework calls this method after parsing the template definition. This provides the plugin node with an opportunity to compile any expressions it has.

Parameters:

`parser` - The expression parser to use.

Throws:

[WorkflowException](#) - if any of the expressions are invalid.

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com.bea.wlpi.server.plugin

Interface PluginStart

All Superinterfaces:

org.xml.sax.ContentHandler, [PluginObject](#), [PluginTemplateNode](#), java.io.Serializablepublic interface **PluginStart**extends [PluginTemplateNode](#)

The interface that a plugin must implement to define a new start node type.

Since:

WebLogic Process Integrator 2.0

Method Summary

void	setTrigger (EventContext context, java.lang.String orgExpr)
	Establish the event watch for this start node.

Methods inherited from interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#)

[activate](#), [fixup](#)

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

[characters](#), [endDocument](#), [endElement](#), [endPrefixMapping](#), [ignorableWhitespace](#), [processingInstruction](#), [setDocumentLocator](#), [skippedEntity](#), [startDocument](#), [startElement](#), [startPrefixMapping](#)

Method Detail

setTrigger

```
public void setTrigger(EventContext context,  
                        java.lang.String orgExpr)  
    throws WorkflowException
```

Establish the event watch for this start node. The template definition calls this method when it is activated and saved. Plugins use this call to record an event watch to enable the event processor to match an incoming event datum to this particular node and template definition. Plugins can use the default event watch registration, addressed message handling and event matching facility simply by calling [EventContext.postStartWatch\(java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#). Plugins are responsible for recording the necessary information in a plugin-specific way, and for providing an [event handler](#) to perform the run-time matching based on these criteria. If the plugin does not rely on the WebLogic Process Integrator generic JMS event listener it is not required to provide an event handler.

Parameters:

`eventContext` - The start node context.

`orgExpr` - The expression used to generate the ID of the organization in which to instantiate the workflow.

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com.bea.wlpi.server.plugin

Class PluginNotification

java.lang.Object

|

+-- **com.bea.wlpi.server.plugin.PluginNotification**

All Implemented Interfaces:

java.io.Serializable

Direct Known Subclasses:

[InstanceNotification](#), [TaskNotification](#), [TemplateDefinitionNotification](#), [TemplateNotification](#)

public abstract class **PluginNotification**

extends java.lang.Object

implements java.io.Serializable

The abstract base class for all plugin notifications.

Since:

WebLogic Process Integrator version 2.0

See Also:

[Serialized Form](#)

Field Summary

	protected int	eventType
	protected java.lang.Object	source

Constructor Summary

[PluginNotification](#)(java.lang.Object source, int eventType)

Create a new PluginNotification.

Method Summary

int	getEventType() Return the event type.
java.lang.Object	getSource() Return the source value object.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

source

protected java.lang.Object **source**

eventType

protected int **eventType**

Constructor Detail

PluginNotification

```
public PluginNotification(java.lang.Object source,  
                           int eventType)
```

Create a new PluginNotification.

Parameters:

source - A XxxInfo value object describing the workflow entity that changed:
[TemplateDefinitionInfo](#), [InstanceInfo](#), [TaskInfo](#), [TemplateInfo](#).

eventType - The event type: [PluginConstants.DEFINITION_CREATED](#),
[PluginConstants.DEFINITION_UPDATED](#),
[PluginConstants.DEFINITION_DELETED](#),
[PluginConstants.INSTANCE_CREATED](#),

[PluginConstants.INSTANCE_COMPLETED](#),
[PluginConstants.INSTANCE_ABORTED](#),
[PluginConstants.INSTANCE_DELETED](#),
[PluginConstants.INSTANCE_UPDATED](#), [PluginConstants.TASK_STARTED](#),
[PluginConstants.TASK_EXECUTED](#), [PluginConstants.TASK_COMPLETED](#),
[PluginConstants.TASK_UNMARKED_DONE](#),
[PluginConstants.TASK_OVERDUE](#), [PluginConstants.TASK_ASSIGNED](#),
[PluginConstants.TASK_UNASSIGNED](#), [PluginConstants.TASK_UPDATED](#),
[PluginConstants.TEMPLATE_CREATED](#),
[PluginConstants.TEMPLATE_UPDATED](#),
[PluginConstants.TEMPLATE_DELETED](#).

Method Detail

getSource

```
public java.lang.Object getSource()
```

Return the source value object.

Returns:

The source object.

getEventType

```
public int getEventType()
```

Return the event type.

Returns:

eventType The event type.

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com.bea.wlpi.server.plugin

Interface PluginManagerHome

All Superinterfaces:

[javax.ejb.EJBHome](#), [java.rmi.Remote](#)

public interface **PluginManagerHome**

extends [javax.ejb.EJBHome](#)

The home interface of the plugin manager.

Since:

WebLogic Process Integrator version 2.0

See Also:

[PluginManagerHome](#)

Method Summary

[PluginManager](#)

[create](#)()

Create a new PluginManager EJB.

Methods inherited from interface javax.ejb.EJBHome

[getEJBMetaData](#), [getHomeHandle](#), [remove](#), [remove](#)

Method Detail

create

```
public PluginManager create()  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a new PluginManager EJB.

Returns:

Remote reference to newly created object.

Throws:

`javax.ejb.CreateException` - if the bean could not be created.

`java.rmi.RemoteException` - if a communications or runtime error occurred.

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com.bea.wlpi.server.plugin

Interface PluginManagerCfgHome

All Superinterfaces:

[javax.ejb.EJBHome](#), [java.rmi.Remote](#)

public interface **PluginManagerCfgHome**

extends [javax.ejb.EJBHome](#)

The home interface for the plugin configuration manager.

Since:

WebLogic Process Integrator version 2.0

See Also:

[PluginManagerHome](#)

Method Summary

[PluginManagerCfg](#)

[create](#)()

Create a new PluginManagerCfg EJB.

Methods inherited from interface [javax.ejb.EJBHome](#)

[getEJBMetaData](#), [getHomeHandle](#), [remove](#), [remove](#)

Method Detail

create

```
public PluginManagerCfg create()  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a new PluginManagerCfg EJB.

Returns:

A new plugin configuration manager bean.

Throws:

`javax.ejb.CreateException` - if the bean could not be created.

`java.rmi.RemoteException` - if a communications or runtime error occurred.

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com.bea.wlpi.server.plugin

Interface PluginManagerCfg

All Superinterfaces:

javax.ejb.EJBObject, [PluginManager](#), java.rmi.Remotepublic interface **PluginManagerCfg**extends [PluginManager](#)

Configures WebLogic Process Integrator plugins. The plugin configuration manager is responsible for maintaining plugin configurations, and managing the plugin framework's cluster-wide state transitions. It also maintains lists of the plugins that have registered for various system event notifications.

Since:

WebLogic Process Integrator version 2.0

See Also:

[PluginManager](#)

Method Summary

void	addInstanceListener (Plugin plugin, int mask) Register a specific plugin as an InstanceNotification listener.
java.lang.Object	addStateChangeListener (PluginManagerHome listener) Register the home interface of a plugin manager deployed on a slave server.
void	addTaskListener (Plugin plugin, int mask) Register a specific plugin as a TaskNotification listener.
void	addTemplateDefinitionListener (Plugin plugin, int mask) Register a specific plugin as a TemplateDefinitionNotification listener.
void	addTemplateListener (Plugin plugin, int mask) Register a specific plugin as a TemplateNotification listener.
void	deletePluginConfiguration (java.lang.String pluginName, VersionInfo version) Delete a plugin's configuration data.
void	exit () Unload and deinitialize all plugins.

java.lang.Object	getState() Retrieve the current plugin manager state.
void	init() Load and initialize all plugins.
void	loadPlugin (java.lang.String pluginName, VersionInfo version) Load and initialize the specified plugin.
void	onPluginDeployed (Plugin plugin) Notify the plugin manager that a plugin has been hot-deployed.
void	refresh() Flush cached plugin capabilities information.
void	removeInstanceListener (Plugin plugin) Unregister a specific plugin as an InstanceNotification listener.
void	removeTaskListener (Plugin plugin) Unregister a specific plugin as a TaskNotification listener.
void	removeTemplateDefinitionListener (Plugin plugin) Unregister a specific plugin as a TemplateDefinitionNotification listener.
void	removeTemplateListener (Plugin plugin) Unregister a specific plugin as a TemplateNotification listener.
void	setPluginConfiguration (java.lang.String pluginName, VersionInfo version, int startMode, java.lang.String config) Set a plugin's configuration data.
void	unloadPlugin (java.lang.String pluginName, VersionInfo version) Unload and deinitialize specified plugin.

Methods inherited from interface com.bea.wlpi.server.plugin.[PluginManager](#)

[classForName](#), [getActionInfo](#), [getDoneInfo](#), [getEventHandlerInfo](#),
[getEventInfo](#), [getFieldInfo](#), [getFrameworkVersion](#), [getFunctionInfo](#),
[getHelpSetInfo](#), [getInfoObject](#), [getPlugin](#), [getPluginConfiguration](#),
[getPluginObject](#), [getPluginObject](#), [getPluginObject](#), [getPlugins](#),
[getStartInfo](#), [getTemplateDefinitionInfo](#), [getTemplateInfo](#),
[getVariableTypeInfo](#), [isLoading](#), [onEvent](#), [stateChanged](#)

Methods inherited from interface javax.ejb.EJBObject

[getEJBHome](#), [getHandle](#), [getPrimaryKey](#), [isIdentical](#), [remove](#)

Method Detail

getState

```
public java.lang.Object getState()  
                        throws java.rmi.RemoteException
```

Retrieve the current plugin manager state. This method must not be called by plugins: it is called by the plugin manager when its server joins a cluster.

Returns:

The plugin manager cluster-wide state.

addStateChangeListener

```
public java.lang.Object addStateChangeListener(PluginManagerHome listener)  
                                                throws java.rmi.RemoteException
```

Register the home interface of a plugin manager deployed on a slave server. The master server will notify the slave of state changes. This method must not be called by plugins.

init

```
public void init()  
        throws java.rmi.RemoteException,  
               WorkflowException
```

Load and initialize all plugins. Called by the `InitListener` message-driven EJB during server startup. This method must not be called by plugins.

exit

```
public void exit()  
        throws java.rmi.RemoteException,  
               WorkflowException
```

Unload and deinitialize all plugins. This method must not be called by plugins.

refresh

```
public void refresh()  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Flush cached plugin capabilities information. Plugins can call this method if their capabilities are dynamically configured. Calling this method causes the plugin manager to re-query all loaded plugins and to rebuild its internal plugin capabilities cache. This is a relatively expensive call to make, so its use should be kept to a minimum.

Specified by:

[refresh](#) in interface [PluginManager](#)

loadPlugin

```
public void loadPlugin(java.lang.String pluginName,  
                       VersionInfo version)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Load and initialize the specified plugin. The plugin manager merges the capabilities of the plugin with those of the currently loaded plugins.

Parameters:

`pluginName` - The reverse-DNS plugin name.

`version` - The plugin version required.

unloadPlugin

```
public void unloadPlugin(java.lang.String pluginName,  
                          VersionInfo version)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Unload and deinitialize specified plugin.

Parameters:

`pluginName` - The reverse-DNS plugin name.

`version` - The plugin version required.

setPluginConfiguration

```
public void setPluginConfiguration(java.lang.String pluginName,  
                                   VersionInfo version,  
                                   int startMode,  
                                   java.lang.String config)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Set a plugin's configuration data.

Parameters:

pluginName - The reverse-DNS plugin name.

version - The plugin version required.

startMode - Whether and when the plugin manager starts the plugin. One of:
[PluginConstants.MODE_DISABLED](#), [PluginConstants.MODE_AUTOMATIC](#),
[PluginConstants.MODE_MANUAL](#).

config - The plugin configuration data as an XML document.

See Also:

[PluginManager.getPluginConfiguration\(java.lang.String,
com.bea.wlpi.common.VersionInfo\)](#)

deletePluginConfiguration

```
public void deletePluginConfiguration(java.lang.String pluginName,  
                                       VersionInfo version)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Delete a plugin's configuration data.

Parameters:

pluginName - The reverse-DNS plugin name.

version - The plugin version required.

onPluginDeployed

```
public void onPluginDeployed(Plugin plugin)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Notify the plugin manager that a plugin has been hot-deployed. The implementation initializes and loads the plugin (unless the plugin was previously configured as disabled or manually started).

Parameters:

plugin - The plugin that was deployed.

addTemplateListener

```
public void addTemplateListener(Plugin plugin,  
                                int mask)  
                                throws java.rmi.RemoteException
```

Register a specific plugin as a [TemplateNotification](#) listener.

Specified by:

[addTemplateListener](#) in interface [PluginManager](#)

Parameters:

plugin - The plugin to register.

mask - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values: [PluginConstants.TEMPLATE_CREATED](#), [PluginConstants.TEMPLATE_UPDATED](#), [PluginConstants.TEMPLATE_DELETED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeTemplateListener

```
public void removeTemplateListener(Plugin plugin)  
                                throws java.rmi.RemoteException
```

Unregister a specific plugin as a [TemplateNotification](#) listener.

Specified by:

[removeTemplateListener](#) in interface [PluginManager](#)

Parameters:

plugin - The plugin to unregister.

addTemplateDefinitionListener

```
public void addTemplateDefinitionListener(Plugin plugin,  
                                           int mask)  
                                           throws java.rmi.RemoteException
```

Register a specific plugin as a [TemplateDefinitionNotification](#) listener.

Specified by:

[addTemplateDefinitionListener](#) in interface [PluginManager](#)

Parameters:

`plugin` - The plugin to register.

`mask` - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values: [PluginConstants.DEFINITION_CREATED](#), [PluginConstants.DEFINITION_UPDATED](#), [PluginConstants.DEFINITION_DELETED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeTemplateDefinitionListener

```
public void removeTemplateDefinitionListener(Plugin plugin)
                                             throws java.rmi.RemoteException
```

Unregister a specific plugin as a [TemplateDefinitionNotification](#) listener.

Specified by:

[removeTemplateDefinitionListener](#) in interface [PluginManager](#)

Parameters:

`plugin` - The plugin to unregister.

addInstanceListener

```
public void addInstanceListener(Plugin plugin,
                                 int mask)
                                 throws java.rmi.RemoteException
```

Register a specific plugin as an [InstanceNotification](#) listener.

Specified by:

[addInstanceListener](#) in interface [PluginManager](#)

Parameters:

`plugin` - The plugin to register.

`mask` - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values: [PluginConstants.INSTANCE_CREATED](#), [PluginConstants.INSTANCE_COMPLETED](#), [PluginConstants.INSTANCE_UPDATED](#), [PluginConstants.INSTANCE_ABORTED](#), [PluginConstants.INSTANCE_DELETED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeInstanceListener

```
public void removeInstanceListener(Plugin plugin)
                                     throws java.rmi.RemoteException
```

Unregister a specific plugin as an [InstanceNotification](#) listener.

Specified by:

[removeInstanceListener](#) in interface [PluginManager](#)

Parameters:

plugin - The plugin to unregister.

addTaskListener

```
public void addTaskListener(Plugin plugin,
                             int mask)
                             throws java.rmi.RemoteException
```

Register a specific plugin as a [TaskNotification](#) listener.

Specified by:

[addTaskListener](#) in interface [PluginManager](#)

Parameters:

plugin - The plugin to register.

mask - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values: [PluginConstants.TASK_STARTED](#),

[PluginConstants.TASK_EXECUTED](#). [PluginConstants.TASK_COMPLETED](#).

[PluginConstants.TASK_UNMARKED_DONE](#). [PluginConstants.TASK_OVERDUE](#).

[PluginConstants.TASK_ASSIGNED](#). [PluginConstants.TASK_UNASSIGNED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeTaskListener

```
public void removeTaskListener(Plugin plugin)
                                 throws java.rmi.RemoteException
```

Unregister a specific plugin as a [TaskNotification](#) listener.

Specified by:

[removeTaskListener](#) in interface [PluginManager](#)

Parameters:

plugin - The plugin to register.

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com.bea.wlpi.server.plugin

Interface PluginManager

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

All Known Subinterfaces:

[PluginManagerCfg](#)

public interface **PluginManager**

extends javax.ejb.EJBObject

Manages WebLogic Process Integrator plugins. The plugin manager provides design-time and run-time support to the design client and workflow enactment service. It is responsible for providing meta-data about the combined capabilities of all deployed plugins, access to plugin-supplied design-time and run-time components, and handling event notifications to and from plugins.

Since:

WebLogic Process Integrator version 2.0

See Also:

[PluginManagerCfg](#)

Method Summary

void	addInstanceListener (Plugin plugin, int mask) Deprecated. Call PluginManagerCfg.addInstanceListener(com.bea.wlpi.server.plugin.Plugin, int) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	addTaskListener (Plugin plugin, int mask) Deprecated. Call PluginManagerCfg.addTaskListener(com.bea.wlpi.server.plugin.Plugin, int) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	addTemplateDefinitionListener (Plugin plugin, int mask) Deprecated. Call PluginManagerCfg.addTemplateDefinitionListener(com.bea.wlpi.server.plugin.Plugin, int) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	addTemplateListener (Plugin plugin, int mask) Deprecated. Call PluginManagerCfg.addTemplateListener(com.bea.wlpi.server.plugin.Plugin, int) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
java.lang.Class	classForName (java.lang.String pluginName, java.lang.String className) Return a plugin-defined class.

CategoryInfo []	getActionInfo (java.util.Locale lc) Return a consolidated list of all actions and action categories.
DoneInfo []	getDoneInfo (java.util.Locale lc) Return a list of plugin-defined done node types.
EventHandlerInfo []	getEventHandlerInfo (java.util.Locale lc) Return a list of plugin-defined event handlers.
EventInfo []	getEventInfo (java.util.Locale lc) Return a list of plugin-defined event node types.
FieldInfo []	getFieldInfo (java.util.Locale lc) Return a list of plugin-defined field types.
VersionInfo	getFrameworkVersion () Return the Plugin Framework version.
FunctionInfo []	getFunctionInfo (java.util.Locale lc) Return a consolidated list of all evaluator functions.
HelpSetInfo []	getHelpSetInfo (java.util.Locale lc) Return a list of plugin-defined help sets.
InfoObject	getInfoObject (java.lang.String pluginName, int type, int ID, java.util.Locale lc) Return a localized plugin InfoObject by its ID.
PluginInfo	getPlugin (java.lang.String pluginName, java.util.Locale lc) Return localized basic information about a plugin.
ConfigurationData	getPluginConfiguration (java.lang.String pluginName, VersionInfo version) Return a plugin's configuration data.
java.lang.Object	getPluginObject (java.lang.String pluginName, int type, int ID, int key, java.util.Locale lc) Return a localized instance of a plugin-defined class.
java.lang.Object	getPluginObject (java.lang.String pluginName, int type, java.util.Locale lc) Return a plugin-supplied object.
java.lang.Object	getPluginObject (java.lang.String pluginName, java.lang.String className, java.util.Locale lc) Return a localized instance of a plugin-defined class.
PluginInfo []	getPlugins (java.util.Locale lc) Return a list of installed plugins.
StartInfo []	getStartInfo (java.util.Locale lc) Return a list of plugin-defined start node types.
TemplateDefinitionPropertiesInfo []	getTemplateDefinitionInfo (java.util.Locale lc) Return a list of plugin-defined template definition property types.
TemplatePropertiesInfo []	getTemplateInfo (java.util.Locale lc) Return a list of plugin-defined template property types.

VariableTypeInfo[]	getVariableTypeInfo (java.util.Locale lc) Return a list of plugin-defined variable types.
boolean	isLoading (java.lang.String pluginName, VersionInfo version) Indicates whether the specified plugin is loaded.
void	onEvent (com.bea.wlpi.server.eventprocessor.EventData eventData) Process an event.
void	refresh () Deprecated. Call PluginManagerCfg.refresh() . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	removeInstanceListener (Plugin plugin) Deprecated. Call PluginManagerCfg.removeInstanceListener(com.bea.wlpi.server.plugin.Plugin) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	removeTaskListener (Plugin plugin) Deprecated. Call PluginManagerCfg.removeTaskListener(com.bea.wlpi.server.plugin.Plugin) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	removeTemplateDefinitionListener (Plugin plugin) Deprecated. Call PluginManagerCfg.removeTemplateDefinitionListener(com.bea.wlpi.server.plugin.Plugin) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	removeTemplateListener (Plugin plugin) Deprecated. Call PluginManagerCfg.removeTemplateListener(com.bea.wlpi.server.plugin.Plugin) . The cluster-wide plugin manager state is pinned to a single server in the cluster.
void	stateChanged (java.lang.Object pms) Notify a server of a plugin manager cluster-wide state change.

Methods inherited from interface javax.ejb.EJBObject

getEJBHome, getHandle, getPrimaryKey, isIdentical, remove

Method Detail

stateChanged

```
public void stateChanged(java.lang.Object pms)
    throws java.rmi.RemoteException
```

Notify a server of a plugin manager cluster-wide state change. This method is exposed by the `PluginManager` interface, which is deployed on all slave servers. This method must not be called by plugins.

Parameters:

pms - The plugin manager's cluster-wide state.

isLoaded

```
public boolean isLoaded(java.lang.String pluginName,  
                        VersionInfo version)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Indicates whether the specified plugin is loaded.

Parameters:

pluginName - The reverse-DNS plugin name.
version - The plugin version required.

Returns:

true if the plugin is loaded.

getPluginConfiguration

```
public ConfigurationData getPluginConfiguration(java.lang.String pluginName,  
                                                VersionInfo version)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Return a plugin's configuration data.

Parameters:

pluginName - The reverse-DNS plugin name.
version - The plugin version required.

Returns:

The configuration for the specified plugin.

See Also:

[PluginManagerCfg.setPluginConfiguration\(java.lang.String, com.bea.wlpi.common.VersionInfo, int, java.lang.String\)](#)

getFrameworkVersion

```
public VersionInfo getFrameworkVersion()  
    throws java.rmi.RemoteException
```

Return the Plugin Framework version.

Returns:

Framework version.

getPlugins

```
public PluginInfo[] getPlugins(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of installed plugins.

Parameters:

lc - Locale in which to localize display strings.

Returns:

The list of installed plugins.

getPlugin

```
public PluginInfo getPlugin(java.lang.String pluginName,
    java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return localized basic information about a plugin.

Parameters:

pluginName - The reverse-DNS plugin name.

lc - Locale in which to localize display strings.

getActionInfo

```
public CategoryInfo[] getActionInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a consolidated list of all actions and action categories. The list of actions and categories includes those predefined by WebLogic Process Integrator, together with those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A complete list of actions and categories.

getDoneInfo

```
public DoneInfo[] getDoneInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined done node types. The list of done node types includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of done node types.

getEventInfo

```
public EventInfo[] getEventInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined event node types. The list of event node types includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of event node types.

getEventHandlerInfo

```
public EventHandlerInfo[] getEventHandlerInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined event handlers. The list of event handlers includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of event handlers.

getFieldInfo

```
public FieldInfo[] getFieldInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
```

[WorkflowException](#)

Return a list of plugin-defined field types. The list of field types includes only those provided by loaded plugins.

Parameters:

`lc` - The locale in which to localize display strings.

Returns:

A list of field types.

getFunctionInfo

```
public FunctionInfo[] getFunctionInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a consolidated list of all evaluator functions. The list of functions includes those predefined by WebLogic Process Integrator, together with those provided by loaded plugins.

Parameters:

`lc` - The locale in which to localize display strings.

Returns:

A list of functions.

getHelpSetInfo

```
public HelpSetInfo[] getHelpSetInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined help sets. The list includes help set information provided by all loadable plugins, regardless of whether or not they are loaded.

Parameters:

`lc` - The locale in which to localize the help sets.

Returns:

A list of help sets.

getStartInfo

```
public StartInfo[] getStartInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined start node types. The list of start node types includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of start node types.

getTemplateInfo

```
public TemplatePropertiesInfo[] getTemplateInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined template property types. The list of property types includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of template property types.

getTemplateDefinitionInfo

```
public TemplateDefinitionPropertiesInfo[] getTemplateDefinitionInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined template definition property types. The list of property types includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of template definition property types.

getVariableTypeInfo

```
public VariableTypeInfo[] getVariableTypeInfo(java.util.Locale lc)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return a list of plugin-defined variable types. The list of variable types includes only those provided by loaded plugins.

Parameters:

lc - The locale in which to localize display strings.

Returns:

A list of variable types.

getInfoObject

```
public InfoObject getInfoObject(java.lang.String pluginName,  
                                int type,  
                                int ID,  
                                java.util.Locale lc)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Return a localized plugin InfoObject by its ID.

Parameters:

pluginName - The reverse-DNS plugin name.

type - The type of info object to retrieve: [PluginConstants.TYPE_ACTION_INFO](#), [PluginConstants.TYPE_TEMPLATE_PROPERTIES_INFO](#), [PluginConstants.TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [PluginConstants.TYPE_START_INFO](#), [PluginConstants.TYPE_DONE_INFO](#), [PluginConstants.TYPE_EVENT_INFO](#), [PluginConstants.TYPE_EVENT_HANDLER_INFO](#), [PluginConstants.TYPE_FIELD_INFO](#), [PluginConstants.TYPE_FUNCTION_INFO](#) or [PluginConstants.TYPE_VARIABLE_TYPE_INFO](#).

ID - The plugin-supplied ID for the required info object.

lc - The locale in which to localize display strings.

Returns:

The specified info object.

classForName

```
public java.lang.Class classForName(java.lang.String pluginName,  
                                       java.lang.String className)  
    throws java.rmi.RemoteException,  
           java.lang.ClassNotFoundException,  
           WorkflowException
```

Return a plugin-defined class. Used by the server when instantiating plugin-provided classes that do not require localization.

Parameters:

pluginName - The reverse-DNS plugin name.

className - The fully qualified Java class name of the plugin-defined object to return.

Returns:

The plugin-defined class.

Throws:

java.lang.ClassNotFoundException - if the specified class could not be loaded.

See Also:

[getPluginObject\(String, String, Locale\)](#), [getPluginObject\(String, int, int, int, Locale\)](#)

getPluginObject

```
public java.lang.Object getPluginObject(java.lang.String pluginName,  
                                           java.lang.String className,  
                                           java.util.Locale lc)  
    throws java.rmi.RemoteException,  
           java.lang.ClassNotFoundException,  
           WorkflowException
```

Return a localized instance of a plugin-defined class. Used by both server and client to instantiate plugin-provided classes.

Parameters:

pluginName - The reverse-DNS plugin name.

className - The fully qualified Java class name of the plugin-defined object to return.

lc - The locale in which to localize display strings.

Returns:

An instance of the specified class.

Throws:

java.lang.ClassNotFoundException - if the specified class could not be loaded.

See Also:

[className\(java.lang.String, java.lang.String\)](#), [getPluginObject\(String, int, int, int, Locale\)](#)

getPluginObject

```
public java.lang.Object getPluginObject(java.lang.String pluginName,  
                                           int type,  
                                           java.util.Locale lc)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Return a plugin-supplied object. This method is only applicable for retrieval of those plugin-supplied objects which do not have a corresponding XxxInfo object. Examples include the [Help Set](#).

Parameters:

pluginName - The reverse-DNS plugin name.

type - The type of object to retrieve: [PluginConstants.TYPE_HELP_SET_INFO](#).

lc - The locale in which to localize the object.

Returns:

The specified object.

Throws:

[PluginException](#) - if the specified object could not be located.

getPluginObject

```
public java.lang.Object getPluginObject(java.lang.String pluginName,  
                                         int type,  
                                         int ID,  
                                         int key,  
                                         java.util.Locale lc)  
    throws java.rmi.RemoteException,  
           java.lang.ClassNotFoundException,  
           WorkflowException
```

Return a localized instance of a plugin-defined class. Used by both server and client to instantiate plugin-provided classes.

Parameters:

pluginName - The reverse-DNS plugin name.

type - The type of info object to retrieve: [PluginConstants.TYPE_ACTION_INFO](#), [PluginConstants.TYPE_CONFIGURATION_INFO](#), [PluginConstants.TYPE_TEMPLATE_PROPERTIES_INFO](#), [PluginConstants.TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [PluginConstants.TYPE_START_INFO](#), [PluginConstants.TYPE_DONE_INFO](#), [PluginConstants.TYPE_EVENT_INFO](#), [PluginConstants.TYPE_EVENT_HANDLER_INFO](#), [PluginConstants.TYPE_FIELD_INFO](#), [PluginConstants.TYPE_FUNCTION_INFO](#) or [PluginConstants.TYPE_VARIABLE_TYPE_INFO](#).

ID - The plugin-supplied ID for the required InfoObject.

key - A key value to indicate which plugin-supplied class to instantiate. Valid key values are declared in the corresponding InfoObject subclasses.

lc - The locale in which to localize display strings.

Returns:

An instance of the specified class.

Throws:

[java.lang.ClassNotFoundException](#) - if the specified class could not be loaded.

See Also:

[className\(java.lang.String, java.lang.String\)](#), [getPluginObject\(String, String, Locale\)](#)

onEvent

```
public void onEvent(com.bea.wlpi.server.eventprocessor.EventData eventData)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Process an event. Plugins which do not use JMS to deliver asynchronous messages can deliver an event to WLPI by calling this method.

Parameters:

eventData - The event datum, including optional addressing and processing information.

refresh

```
public void refresh()  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Deprecated. Call [PluginManagerCfg.refresh\(\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Flush cached plugin capabilities information. Plugins can call this method if their capabilities are dynamically configured. Calling this method causes the plugin manager to re-query all loaded plugins and to rebuild its internal plugin capabilities cache. This is a relatively expensive call to make, so its use should be kept to a minimum.

addTemplateListener

```
public void addTemplateListener(Plugin plugin,  
                               int mask)  
    throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.addTemplateListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Register a specific plugin as a [TemplateNotification](#) listener.

Parameters:

plugin - The plugin to register.

mask - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values:

[PluginConstants.TEMPLATE_CREATED](#), [PluginConstants.TEMPLATE_UPDATED](#), [PluginConstants.TEMPLATE_DELETED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeTemplateListener

```
public void removeTemplateListener(Plugin plugin)  
    throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.removeTemplateListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Unregister a specific plugin as a [TemplateNotification](#) listener.

Parameters:

plugin - The plugin to unregister.

addTemplateDefinitionListener

```
public void addTemplateDefinitionListener(Plugin plugin,  
                                           int mask)  
                                           throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.addTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Register a specific plugin as a [TemplateDefinitionNotification](#) listener.

Parameters:

plugin - The plugin to register.

mask - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values:

[PluginConstants.DEFINITION_CREATED](#), [PluginConstants.DEFINITION_UPDATED](#), [PluginConstants.DEFINITION_DELETED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeTemplateDefinitionListener

```
public void removeTemplateDefinitionListener(Plugin plugin)  
                                           throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.removeTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Unregister a specific plugin as a [TemplateDefinitionNotification](#) listener.

Parameters:

plugin - The plugin to unregister.

addInstanceListener

```
public void addInstanceListener(Plugin plugin,  
                                int mask)  
                                throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.addInstanceListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Register a specific plugin as an [InstanceNotification](#) listener.

Parameters:

plugin - The plugin to register.

mask - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values:

[PluginConstants.INSTANCE_CREATED](#), [PluginConstants.INSTANCE_COMPLETED](#), [PluginConstants.INSTANCE_UPDATED](#), [PluginConstants.INSTANCE_ABORTED](#), [PluginConstants.INSTANCE_DELETED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeInstanceListener

```
public void removeInstanceListener(Plugin plugin)
    throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.removeInstanceListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Unregister a specific plugin as an [InstanceNotification](#) listener.

Parameters:

plugin - The plugin to unregister.

addTaskListener

```
public void addTaskListener(Plugin plugin,
    int mask)
    throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.addTaskListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Register a specific plugin as a [TaskNotification](#) listener.

Parameters:

plugin - The plugin to register.

mask - Notifications for which to register. The value is formed by performing a bitwise logical OR on any of the values:

[PluginConstants.TASK_STARTED](#), [PluginConstants.TASK_EXECUTED](#), [PluginConstants.TASK_COMPLETED](#),
[PluginConstants.TASK_UNMARKED_DONE](#), [PluginConstants.TASK_OVERDUE](#), [PluginConstants.TASK_ASSIGNED](#),
[PluginConstants.TASK_UNASSIGNED](#).

See Also:

[PluginConstants.EVENT_NOTIFICATION_ALL](#)

removeTaskListener

```
public void removeTaskListener(Plugin plugin)
    throws java.rmi.RemoteException
```

Deprecated. Call [PluginManagerCfg.removeTaskListener\(com.bea.wlpi.server.plugin.Plugin\)](#). The cluster-wide plugin manager state is pinned to a single server in the cluster.

Unregister a specific plugin as a [TaskNotification](#) listener.

Parameters:

plugin - The plugin to register.

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com.bea.wlpi.server.plugin

Interface PluginHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **PluginHome**

extends javax.ejb.EJBHome

The home interface for all plugins. Plugin implementors must use this home interface, in order for the plugin framework to recognize the EJB as a plugin.

Method Summary

[Plugin](#)[create](#)()

Create a remote plugin object reference.

Methods inherited from interface javax.ejb.EJBHome

getEJBMetaData, getHomeHandle, remove, remove

Method Detail

create

```
public Plugin create()  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a remote plugin object reference.

Returns:

A reference to a remote object stub that implements the [Plugin](#) interface.

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com.bea.wlpi.server.plugin

Interface PluginEvent

All Superinterfaces:

org.xml.sax.ContentHandler, [PluginObject](#), java.io.Serializablepublic interface **PluginEvent**extends [PluginObject](#)

The interface that a plugin must implement to define a new event node type.

Since:

WebLogic Process Integrator 2.0

Method Summary

int	activate (EventContext eventContext, ExecutionContext execContext) Activate this event.
void	fixup (com.bea.wlpi.evaluator.ExpressionParser parser) The framework calls this method after parsing the template definition.
int	trigger (EventContext eventContext, ExecutionContext execContext) Trigger this event.

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

characters, endDocument, endElement, endPrefixMapping, ignorableWhitespace, processingInstruction, setDocumentLocator, skippedEntity, startDocument, startElement, startPrefixMapping

Method Detail

activate

public int **activate**([EventContext](#) eventContext,

[ExecutionContext](#) execContext)
throws [WorkflowException](#)

Activate this event. The event processor calls this method when the matching event is activated by an incoming transition from a predecessor node. Plugins use this call to record an event watch to enable the event processor to match an incoming event datum to this particular node and workflow instance. Plugins can use the default event watch registration, addressed message handling and event matching facility simply by calling [EventContext.activateEvent\(com.bea.wlpi.server.common.ExecutionContext, java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#). Plugins are responsible for recording the necessary information in a plugin-specific way, and for providing an [event handler](#) to perform the run-time matching based on these criteria. If the plugin does not rely on the WebLogic Process Integrator generic JMS event listener it is not required to provide an event handler.

Parameters:

eventContext - The event node context. This object provides access to run-time event related services such as event watch registration.

execContext - The execution context. This object provides access to the runtime context, including the template ID, template definition ID, workflow instance ID, event data, and various services related to workflow enactment.

Returns:

A value to indicate whether to continue workflow processing following the activation:
[ExecutionContext.CONTINUE](#) or [ExecutionContext.STOP](#).

See Also:

[trigger\(com.bea.wlpi.server.plugin.EventContext, com.bea.wlpi.server.common.ExecutionContext\)](#)

trigger

```
public int trigger(EventContext eventContext,  
                  ExecutionContext execContext)  
    throws WorkflowException
```

Trigger this event. The event processor calls this method when it detects an incoming event that matches the criteria for this event node. Plugins that use the default event watch registration and matching services must call

[EventContext.removeEventWatch\(com.bea.wlpi.server.common.ExecutionContext\)](#) from this method, to place the event node to the non-listening state. Plugins that do not use the default event watch registration and matching services must deactivate whatever plugin-supplied event watch record they established for this node in the prior [activate\(com.bea.wlpi.server.plugin.EventContext, com.bea.wlpi.server.common.ExecutionContext\)](#) call. They are also required either to provide an [event handler](#) if the event arrives via the WebLogic Process Integrator generic JMS event listener, or to implement their own listener service by whatever means (TCP/IP socket, RMI, polling etc.).

Parameters:

eventContext - The event node context. This object provides access to run-time event related services such as event watch registration.

execContext - The execution context. This object provides access to the runtime context, including the template ID, template definition ID, workflow instance ID, event data, and various services related

to workflow enactment.

Returns:

A value to indicate whether to continue workflow processing following the trigger. That is, whether to set workflow variables from the incoming event datum, execute any associated actions, and activate successor nodes. Valid return values are: [ExecutionContext.CONTINUE](#) or [ExecutionContext.STOP](#).

See Also:

[activate\(com.bea.wlpi.server.plugin.EventContext, com.bea.wlpi.server.common.ExecutionContext\)](#)

fixup

```
public void fixup(com.bea.wlpi.evaluator.ExpressionParser parser)
    throws WorkflowException
```

The framework calls this method after parsing the template definition. This provides the plugin event with an opportunity to compile any expressions it has.

Parameters:

parser - The expression parser to use.

Throws:

[WorkflowException](#) - if any of the expressions are invalid.

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com.bea.wlpi.server.plugin

Interface PluginDone

All Superinterfaces:

org.xml.sax.ContentHandler, [PluginObject](#), [PluginTemplateNode](#), java.io.Serializablepublic interface **PluginDone**extends [PluginTemplateNode](#)

The interface that a plugin must implement to define a new done node type.

Since:

WebLogic Process Integrator 2.0

Methods inherited from interface com.bea.wlpi.server.plugin.[PluginTemplateNode](#)

[activate](#), [fixup](#)

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

[characters](#), [endDocument](#), [endElement](#), [endPrefixMapping](#),
[ignorableWhitespace](#), [processingInstruction](#), [setDocumentLocator](#),
[skippedEntity](#), [startDocument](#), [startElement](#), [startPrefixMapping](#)**BEA WebLogic Process Integrator** is a trademark of BEA Systems, Inc.

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com.bea.wlpi.server.plugin

Class PluginConfiguration

java.lang.Object

|-- com.bea.wlpi.server.plugin.PluginConfiguration

All Implemented Interfaces:

[PluginConstants](#), java.io.Serializablepublic class **PluginConfiguration**

extends java.lang.Object

implements java.io.Serializable, [PluginConstants](#)

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

java.lang.String	config
PluginHome	home
PluginInfo	info
int[]	masters
java.lang.String	name
int[]	slaves
int	startMode

	int	<u>status</u>
	<u>VersionInfo</u>	<u>version</u>

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
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[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[PluginConfiguration](#)([PluginHome](#) home, java.lang.String name, [VersionInfo](#) version, [PluginInfo](#) info)

Create a new PluginConfiguration.

[PluginConfiguration](#)(java.lang.String name, [VersionInfo](#) version, int startMode, java.lang.String config)

Create a new PluginConfiguration.

Method Summary

boolean [equals](#)(java.lang.Object obj)

ConfigurationData	getConfigurationData()
-----------------------------------	--

Methods inherited from class `java.lang.Object`

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`,
`wait`, `wait`, `wait`

Field Detail

name

```
public final java.lang.String name
```

version

```
public final VersionInfo version
```

home

```
public PluginHome home
```

info

```
public PluginInfo info
```

config

```
public java.lang.String config
```

startMode

```
public int startMode
```

status

```
public int status
```

masters

```
public int[] masters
```

slaves

```
public int[] slaves
```

Constructor Detail

PluginConfiguration

```
public PluginConfiguration(java.lang.String name,  
                           VersionInfo version,  
                           int startMode,  
                           java.lang.String config)
```

Create a new PluginConfiguration. This constructor is used by PluginManagerDAO when retrieving plugin configuration from the database.

PluginConfiguration

```
public PluginConfiguration(PluginHome home,  
                           java.lang.String name,  
                           VersionInfo version,  
                           PluginInfo info)
```

Create a new PluginConfiguration. This constructor is used by PluginManager for deployed but

unconfigured plugins found in JNDI.

Method Detail

getConfigurationData

```
public ConfigurationData getConfigurationData()
```

equals

```
public boolean equals(java.lang.Object obj)
```

Overrides:

equals in class java.lang.Object

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com.bea.wlpi.server.plugin

Interface PluginAction

All Superinterfaces:

org.xml.sax.ContentHandler, [PluginObject](#), java.io.Serializablepublic interface **PluginAction**extends [PluginObject](#)

The interface that a plugin must implement to define a new action.

Since:

WebLogic Process Integrator 2.0

Method Summary

int	execute (ActionContext actionContext, ExecutionContext execContext) Execute the plugin action.
void	fixup (com.bea.wlpi.evaluator.ExpressionParser parser) The framework calls this method after parsing the template definition.
void	response (ActionContext actionContext, ExecutionContext execContext, java.lang.Object data) Process an asynchronous response directed to this action.
void	startedWorkflowDone (ActionContext actionContext, ExecutionContext context, VariableInfo [] output) Notify the plugin action that a sub-workflow it started is now complete.

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

characters, endDocument, endElement, endPrefixMapping, ignorableWhitespace, processingInstruction, setDocumentLocator, skippedEntity, startDocument, startElement, startPrefixMapping

Method Detail

execute

```
public int execute(ActionContext actionContext,  
                  ExecutionContext execContext)  
    throws WorkflowException
```

Execute the plugin action. The plugin action performs its business logic during this call.

Parameters:

`actionContext` - This object provides action-level services such as execution of sub-actions and sub-workflow instantiation.

`execContext` - The execution context. This object provides access to the runtime context, including the template ID, template definition ID, workflow instance ID, event data, and various services related to workflow enactment.

Returns:

Indicates whether (and how) to continue subsequent processing:

[ExecutionContext.CONTINUE](#), [ExecutionContext.STOP](#),
[ExecutionContext.EXIT_ROLLBACK](#), [ExecutionContext.EXIT_CONTINUE](#),
or [ExecutionContext.EXIT_RETRY](#)

Throws:

[WorkflowException](#) - if an error occurred during action execution.

fixup

```
public void fixup(com.bea.wlpi.evaluator.ExpressionParser parser)  
    throws WorkflowException
```

The framework calls this method after parsing the template definition. This provides the plugin action with an opportunity to compile any expressions it has.

Parameters:

`parser` - The expression parser to use.

response

```
public void response(ActionContext actionContext,  
                    ExecutionContext execContext,  
                    java.lang.Object data)  
    throws WorkflowException
```

Process an asynchronous response directed to this action. The response is typically to an external request that the action raised in a prior call to its [execute\(com.bea.wlpi.server.plugin.ActionContext, com.bea.wlpi.server.common.ExecutionContext\)](#) method. Plugin actions can use this callback to effect such responses as asynchronous execution of a sub-action list. The framework ultimately calls this method when it receives a call to [Worklist.response\(String, String, String, Object\)](#) or one of the other overloads.

Parameters:

`actionContext` - This object provides action-level services such as the execution of sub-actions and sub-workflow instantiation.

`execContext` - The execution context. This object provides access to the runtime context, including the template ID, template definition ID, workflow instance ID, event data, and various services related to workflow enactment.

`data` - Data object which the plugin casts to a known type in order to extract required information.

startedWorkflowDone

```
public void startedWorkflowDone(ActionContext actionContext,  
                                 ExecutionContext context,  
                                 VariableInfo[] output)  
    throws WorkflowException
```

Notify the plugin action that a sub-workflow it started is now complete.

Parameters:

`actionContext` - This object provides action-level services such as the execution of sub-actions and sub-workflow instantiation.

`execContext` - The execution context. This object provides access to the runtime context, including the template ID, template definition ID, workflow instance ID, event data, and various services related to workflow enactment.

`output` - The output variables of the called workflow.

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com.bea.wlpi.server.plugin

Interface Plugin

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **Plugin**

extends javax.ejb.EJBObject

Defines the functionality of a Weblogic Process Integrator Plugin. Plugins can:

- define [event handlers](#) to pre-process incoming event data.
- define new [event types](#).
- define new [start types](#).
- define new [done types](#).
- define new action [categories and sub-categories](#).
- define [actions](#) in predefined categories.
- define [actions](#) in categories defined by plugins on which they depend.
- define new [evaluator functions](#).
- define new [variable types](#).
- define new [template properties](#).
- define new [template definition properties](#).
- provide workflow [instance data](#).
- provide context sensitive [online help](#) in HTML or JavaHelp format.

Plugins cannot:

- declare circular dependencies.

A plugin must be implemented as a stateless session EJB, and deployed in an `ejb.jar/` file in the same application as WebLogic Process Integrator ('WLPI Application' in the `mydomain\config.xml`). The plugin must be set to deploy *after* all of the WebLogic Process Integrator EJBs.

Since:

WebLogic Process Integrator 2.0

Method Summary

java.lang.Class	classForName (java.lang.String className) Return a plugin-defined class.
void	exit () Deinitialize the Plugin.
PluginDependency []	getDependencies () Return the plugins on which this plugin depends.
java.lang.String	getName () Return the globally unique name of this plugin, in reverse-DNS format.
java.lang.Object	getObject (java.util.Locale lc, java.lang.String className) Return a plugin-defined object.

PluginCapabilitiesInfo	getPluginCapabilitiesInfo (java.util.Locale lc, CategoryInfo [] info) Return a complete description of the plugins capabilities.
PluginInfo	getPluginInfo (java.util.Locale lc) Return basic descriptive information about the plugin.
VersionInfo	getVersion () Return the version of this plugin.
void	init () Initialize the Plugin.
void	instanceChanged (InstanceNotification notify) Notifies a plugin of a change in a workflow instance.
void	load (PluginObject config) Load the Plugin.
void	setConfiguration (PluginObject config) Set a plugin's configuration.
void	taskChanged (TaskNotification notify) Notifies a plugin of a change in a task instance.
void	templateChanged (TemplateNotification notify) Notifies a plugin of a change in a template.
void	templateDefinitionChanged (TemplateDefinitionNotification notify) Notifies a plugin of a change in a template definition.
void	unload () Unload the Plugin.

Methods inherited from interface javax.ejb.EJBObject

[getEJBHome](#), [getHandle](#), [getPrimaryKey](#), [isIdentical](#), [remove](#)

Method Detail

init

```
public void init()
    throws java.rmi.RemoteException,
           PluginException
```

Initialize the Plugin. This method is called exactly once during server startup, regardless of the plugin's configuration and [start mode](#).

exit

```
public void exit()
    throws java.rmi.RemoteException,
           PluginException
```

Deinitialize the Plugin. Currently, this method will only be called if an administrator forces the WebLogic Process Integrator to re-initialize itself. In a

future release, this method may also be called during server shutdown.

load

```
public void load(PluginObject config)
    throws java.rmi.RemoteException,
           PluginException
```

Load the Plugin. The plugin can register for system event notifications at this point, by calling one of the `PluginManagerCfg#addXxxListener` methods. Plugins are responsible for replicating their private cluster-wide state throughout the cluster, if necessary.

Parameters:

config - Plugin configuration data, an instance of the class declared in the [ConfigurationInfo](#) (if any) provided by the [PluginInfo](#) object.

See Also:

[setConfiguration\(com.bea.wlpi.common.plugin.PluginObject\)](#),
[PluginManager.addTemplateListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#),
[PluginManager.addTemplateDefinitionListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#),
[PluginManager.addInstanceListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#),
[PluginManager.addTaskListener\(com.bea.wlpi.server.plugin.Plugin, int\)](#)

unload

```
public void unload()
    throws java.rmi.RemoteException,
           PluginException
```

Unload the Plugin. The plugin framework will deregister the plugin if it had subscribed to any event notifications.

getDependencies

```
public PluginDependency[] getDependencies()
    throws java.rmi.RemoteException
```

Return the plugins on which this plugin depends. The plugin manager will ensure that all such plugins are loaded before attempting to load this plugin. If any such plugin fails to load (e.g., because it is missing, threw an exception, or is disabled), this plugin will not be loaded.

Returns:

A list of plugin dependencies.

getName

```
public java.lang.String getName()
    throws java.rmi.RemoteException
```

Return the globally unique name of this plugin, in reverse-DNS format. It must be

the same string as that returned by [InfoObject.getPluginName\(\)](#).

Returns:

The unique plugin name.

getVersion

```
public VersionInfo getVersion()
```

```
    throws java.rmi.RemoteException
```

Return the version of this plugin. It must be the same version as that returned by its [PluginInfo.getVersion\(\)](#).

Returns:

The plugin version.

getPluginInfo

```
public PluginInfo getPluginInfo(java.util.Locale lc)
```

```
    throws java.rmi.RemoteException
```

Return basic descriptive information about the plugin.

Parameters:

lc - The locale in which to localize display strings.

Returns:

Descriptive information about the plugin.

getPluginCapabilitiesInfo

```
public PluginCapabilitiesInfo getPluginCapabilitiesInfo(java.util.Locale lc,  
    CategoryInfo[] info)
```

```
    throws java.rmi.RemoteException
```

Return a complete description of the plugins capabilities. To add new subcategories and actions, the plugin should use the category IDs passed in via the info parameter passed to identify the parent categories, and [ActionCategoryInfo.ID_NEW](#) as the new category ID. The PluginManager merges the CategoryInfo array returned by this call with the current structure (as passed via the info parameter), and replaces references to [ActionCategoryInfo.ID_NEW](#) with newly-assigned unique category IDs. The predefined categories have the following IDs: [ActionCategoryInfo.ID_TASK](#), [ActionCategoryInfo.ID_WORKFLOW](#), [ActionCategoryInfo.ID_INTEGRATION](#), [ActionCategoryInfo.ID_MISCELLANEOUS](#), [ActionCategoryInfo.ID_EXCEPTION](#).

Parameters:

lc - Locale in which to localize display strings.

info - The existing action category tree, containing categories and actions both predefined and plugin-defined (i.e., by previously loaded plugins). *If this parameter is null, the plugin should not include action category information in the returned object.*

Returns:

Information about the plugin's capabilities, including new categories and actions to be inserted in the action tree (if requested).

classForName

```
public java.lang.Class classForName(java.lang.String className)
    throws java.rmi.RemoteException,
           java.lang.ClassNotFoundException,
           PluginException
```

Return a plugin-defined class. The caller retrieves the class name by calling one of the plugin-supplied metadata objects.

Parameters:

className - The fully qualified Java class name to instantiate.

Returns:

The class with the specified name.

Throws:

java.lang.ClassNotFoundException - if the plugin could not load the class.

See Also:

[ActionInfo](#), [EventInfo](#), [FunctionInfo](#), [PluginInfo](#), [StartInfo](#), [DoneInfo](#),
[VariableTypeInfo](#), [TemplatePropertiesInfo](#), [TemplateDefinitionPropertiesInfo](#)

getObject

```
public java.lang.Object getObject(java.util.Locale lc,
    java.lang.String className)
    throws java.rmi.RemoteException,
           java.lang.ClassNotFoundException,
           PluginException
```

Return a plugin-defined object. The caller retrieves the class name by calling one of the plugin-supplied metadata objects.

Parameters:

lc - The locale in which to localize display strings.

className - The fully qualified Java class name to instantiate.

Returns:

An instance of the named class.

Throws:

java.lang.ClassNotFoundException - if the plugin could not load the class.

See Also:

[ActionInfo](#), [EventInfo](#), [FunctionInfo](#), [PluginInfo](#), [StartInfo](#), [DoneInfo](#),
[VariableTypeInfo](#), [TemplatePropertiesInfo](#), [TemplateDefinitionPropertiesInfo](#)

setConfiguration

```
public void setConfiguration(PluginObject config)
    throws java.rmi.RemoteException,
```

[PluginException](#)

Set a plugin's configuration. The plugin should begin using the new configuration if possible. For some plugins this may not be possible, in which case the new configuration will not take effect until the next time that plugin is loaded.

Parameters:

config - Plugin configuration data, an instance of the class declared in the [ConfigurationInfo](#) (if any) provided by the [PluginInfo](#) object.

See Also:

[load\(com.bea.wlpi.common.plugin.PluginObject\)](#)

templateChanged

```
public void templateChanged(TemplateNotification notify)
    throws java.rmi.RemoteException,
           PluginException
```

Notifies a plugin of a change in a template.

Parameters:

notify - A notification object describing the change.

templateDefinitionChanged

```
public void templateDefinitionChanged(TemplateDefinitionNotification notify)
    throws java.rmi.RemoteException,
           PluginException
```

Notifies a plugin of a change in a template definition.

Parameters:

notify - A notification object describing the change.

instanceChanged

```
public void instanceChanged(InstanceNotification notify)
    throws java.rmi.RemoteException,
           PluginException
```

Notifies a plugin of a change in a workflow instance.

Parameters:

notify - A notification object describing the change.

taskChanged

```
public void taskChanged(TaskNotification notify)
    throws java.rmi.RemoteException,
           PluginException
```

Notifies a plugin of a change in a task instance.

Parameters:

notify - A notification object describing the change.

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com.bea.wlpi.server.permission

Interface PermissionHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **PermissionHome**

extends javax.ejb.EJBHome

Home interface for the [Permission](#) session EJB.

Method Summary

[Permission](#) [create](#) ()Create a remote object that implements the [Permission](#) interface.

Methods inherited from interface javax.ejb.EJBHome

getEJBMetaData, getHomeHandle, remove, remove

Method Detail

create

```
public Permission create()  
    throws javax.ejb.CreateException,  
           WorkflowException,  
           java.rmi.RemoteException
```

Create a remote object that implements the [Permission](#) interface.

Throws:

- [javax.ejb.CreateException](#) - if the remote object could not be created.
- [java.rmi.RemoteException](#) - if a communications error occurred.

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com.bea.wlpi.server.permission

Interface Permission

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **Permission**

extends javax.ejb.EJBObject

Provides permissions for interfaces within WLPI

See Also:

[PermissionHome](#)

Method Summary

<code>java.util.List</code>	getAllRolePermissions () This method returns a list of all the roles with their associated permissions.
<code>java.util.List</code>	getAllUserPermissions () This method returns a list of all the users with their associated permissions.
<code>java.util.List</code>	getAllUserPermissions (boolean getRoles) This method returns a list of all the users with their associated permissions.
RolePermissionInfo	getRolePermissions (java.lang.String rolename, java.lang.String orgID) This method allows the retrieval of an individual RolePermissionInfo object based on the rolename.
UserPermissionInfo	getUserPermissions (java.lang.String username) This method allows the retrieval of an individual UserPermissionInfo object based on the username.
UserPermissionInfo	getUserPermissions (java.lang.String username, boolean getRoles) This method allows the retrieval of an individual UserPermissionInfo object based on the username.

void	setRolePermissions (java.util.List infos) This method allows the batch update of role permissions in the system.
void	setUserPermissions (java.util.List infos) This method allows the batch update of user permissions in the system.

Methods inherited from interface javax.ejb.EJBObject

getEJBHome, getHandle, getPrimaryKey, isIdentical, remove

Method Detail

getAllRolePermissions

```
public java.util.List getAllRolePermissions()
                               throws java.rmi.RemoteException,
                                       WorkflowException
```

This method returns a list of all the roles with their associated permissions. Please note that this method is expensive and should not be used during runtime operations.

Returns:

A Java List of RolePermissionInfo objects for all roles

Throws:

java.rmi.RemoteException -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

setRolePermissions

```
public void setRolePermissions(java.util.List infos)
                               throws java.rmi.RemoteException,
                                       WorkflowException
```

This method allows the batch update of role permissions in the system. Any number of roles can be updated in this way

Parameters:

List - Java List of RolePermissionInfo objects

Throws:

java.rmi.RemoteException -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

getAllUserPermissions

```
public java.util.List getAllUserPermissions()  
                                throws java.rmi.RemoteException,  
                                       WorkflowException
```

This method returns a list of all the users with their associated permissions. By default, this method returns the roles that each user is a member of. Please note that this method is expensive and should not be used during runtime operations.

Returns:

A Java List of UserPermissionInfo objects for all users

Throws:

java.rmi.RemoteException -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

getAllUserPermissions

```
public java.util.List getAllUserPermissions(boolean getRoles)  
                                throws java.rmi.RemoteException,  
                                       WorkflowException
```

This method returns a list of all the users with their associated permissions. Please note that this method is expensive and should not be used during runtime operations.

Parameters:

boolean - If false, do not return the associated roles, if true return the roles this user belongs to.

Returns:

A Java List of UserPermissionInfo objects for all users

Throws:

java.rmi.RemoteException -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

setUserPermissions

```
public void setUserPermissions(java.util.List infos)
                               throws java.rmi.RemoteException,
                                       WorkflowException
```

This method allows the batch update of user permissions in the system. Any number of users can be updated in this way

Parameters:

List - Java List of UserPermissionInfo objects

Throws:

java.rmi.RemoteException -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

getUserPermissions

```
public UserPermissionInfo getUserPermissions(java.lang.String username)
                                       throws java.rmi.RemoteException,
                                               WorkflowException
```

This method allows the retrieval of an individual UserPermissionInfo object based on the username. Setting the value can still be done via the setUserPermissions(List infos) method. By default, this method gets the roles the user is a member of.

Parameters:

String - The username to retrieve

Returns:

UserPermissionInfo object of the named user

Throws:

java.rmi.RemoteException -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

See Also:

[setUserPermissions\(List infos \)](#)

getUserPermissions

```
public UserPermissionInfo getUserPermissions(java.lang.String username,  
                                               boolean getRoles)  
                                               throws java.rmi.RemoteException,  
                                               WorkflowException
```

This method allows the retrieval of an individual [UserPermissionInfo](#) object based on the username. Setting the value can still be done via the [setUserPermissions\(List infos \)](#) method.

Parameters:

`String` - The username to retrieve

`boolean` - If false, do not return the associated roles, if true return the roles this user belongs to.

Returns:

[UserPermissionInfo](#) object of the named user

Throws:

`java.rmi.RemoteException` -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

See Also:

[setUserPermissions\(List infos \)](#)

getRolePermissions

```
public RolePermissionInfo getRolePermissions(java.lang.String rolename,  
                                               java.lang.String orgID)  
                                               throws java.rmi.RemoteException,  
                                               WorkflowException
```

This method allows the retrieval of an individual [RolePermissionInfo](#) object based on the rolename. Setting the value can still be done via the [setRolePermissions\(List infos \)](#) method.

Parameters:

`String` - The rolename to retrieve

`String` - The role organization

Returns:

RolePermissionInfo object of the named role

Throws:

[java.rmi.RemoteException](#) -
[WorkflowException](#) -

Since:

WebLogic Process Integrator 2.0

See Also:

[setRolePermissions\(List infos \)](#)

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com.bea.wlpi.server.common

Interface JNDITags

public interface **JNDITags**

This interface defines all of the tags that are used to look up values in JNDI. This prevents the constant defining/redefining that occurs in the codebase at present.

Any tags that are prefixed with EJB_ stand for the reference defined in the EJB deployment descriptor.

Field Summary

static java.lang.String	AUDIT_TOPIC Topics and Queues.
static java.lang.String	EJB_ADMIN EJB references in EJB environments.
static java.lang.String	EJB_AUDIT
static java.lang.String	EJB_AUDIT_TOPIC
static java.lang.String	EJB_BUS_CAL
static java.lang.String	EJB_BUS_OP_RO
static java.lang.String	EJB_BUS_OP_RW
static java.lang.String	EJB_CATALOG
static java.lang.String	EJB_DATA_SOURCE
static java.lang.String	EJB_ERROR_TOPIC
static java.lang.String	EJB_EVENT_KEY_RO

static java.lang.String	<u>EJB_EVENT_KEY_RW</u>
static java.lang.String	<u>EJB_EVENT_QUEUE</u>
static java.lang.String	<u>EJB_EVENT_TOPIC</u>
static java.lang.String	<u>EJB_IDGENERATOR</u>
static java.lang.String	<u>EJB_INSTANCE</u>
static java.lang.String	<u>EJB_NOTIFIER</u>
static java.lang.String	<u>EJB_NOTIFY_TOPIC</u>
static java.lang.String	<u>EJB_PERMISSION</u>
static java.lang.String	<u>EJB_PLUGIN_MANAGER</u>
static java.lang.String	<u>EJB_PLUGIN_MANAGER_CFG</u>
static java.lang.String	<u>EJB_PRINCIPAL</u>
static java.lang.String	<u>EJB_QUEUE_FACTORY</u>
static java.lang.String	<u>EJB_REPOSITORY</u>
static java.lang.String	<u>EJB_REROUTE</u>
static java.lang.String	<u>EJB_SERVER_PROPS</u>
static java.lang.String	<u>EJB_TEMPLATE_DEFINITION_RO</u>
static java.lang.String	<u>EJB_TEMPLATE_DEFINITION_RW</u>
static java.lang.String	<u>EJB_TEMPLATE_RO</u>

static java.lang.String	<u>EJB_TEMPLATE_RW</u>
static java.lang.String	<u>EJB_TOPIC_FACTORY</u>
static java.lang.String	<u>EJB_WORKFLOW_PROCESSOR</u>
static java.lang.String	<u>EJB_WORKLIST</u>
static java.lang.String	<u>ENVIRONMENT_CONTEXT</u>
static java.lang.String	<u>ERROR_TOPIC</u>
static java.lang.String	<u>EVENT_QUEUE</u>
static java.lang.String	<u>EVENT_TOPIC</u>
static java.lang.String	<u>IDGENERATOR</u> This is in the raw form in case this gets used outside of an EJB.
static java.lang.String	<u>INIT_QUEUE</u>
static java.lang.String	<u>JNDI_FACTORY</u> This is the standard WLS JNDI factory tag
static java.lang.String	<u>NOTIFY_TOPIC</u>
static java.lang.String	<u>PLUGIN_CONTEXT</u>
static java.lang.String	<u>QUEUE_FACTORY</u>
static java.lang.String	<u>TOPIC_FACTORY</u> JMS Topic and Queue Factories
static java.lang.String	<u>VALIDATE_FLAG</u>
static java.lang.String	<u>WLPI_PWD</u>
static java.lang.String	<u>WLPI_USER</u> These tags define the wlpi system user/password to be used when propagating the values on the JNDI context.

Field Detail

JNDI_FACTORY

```
public static final java.lang.String JNDI_FACTORY
```

This is the standard WLS JNDI factory tag

EJB_DATA_SOURCE

```
public static final java.lang.String EJB_DATA_SOURCE
```

EJB_ADMIN

```
public static final java.lang.String EJB_ADMIN
```

EJB references in EJB environments.

EJB_AUDIT

```
public static final java.lang.String EJB_AUDIT
```

EJB_BUS_CAL

```
public static final java.lang.String EJB_BUS_CAL
```

EJB_BUS_OP_RO

```
public static final java.lang.String EJB_BUS_OP_RO
```

EJB_BUS_OP_RW

```
public static final java.lang.String EJB_BUS_OP_RW
```

EJB_CATALOG

```
public static final java.lang.String EJB_CATALOG
```

EJB_EVENT_KEY_RO

```
public static final java.lang.String EJB_EVENT_KEY_RO
```

EJB_EVENT_KEY_RW

```
public static final java.lang.String EJB_EVENT_KEY_RW
```

EJB_INSTANCE

```
public static final java.lang.String EJB_INSTANCE
```

EJB_IDGENERATOR

```
public static final java.lang.String EJB_IDGENERATOR
```

EJB_NOTIFIER

```
public static final java.lang.String EJB_NOTIFIER
```

EJB_PERMISSION

```
public static final java.lang.String EJB_PERMISSION
```

EJB_PLUGIN_MANAGER

```
public static final java.lang.String EJB_PLUGIN_MANAGER
```

EJB_PLUGIN_MANAGER_CFG

```
public static final java.lang.String EJB_PLUGIN_MANAGER_CFG
```

EJB_PRINCIPAL

```
public static final java.lang.String EJB_PRINCIPAL
```

EJB_REPOSITORY

```
public static final java.lang.String EJB_REPOSITORY
```

EJB_REROUTE

```
public static final java.lang.String EJB_REROUTE
```

EJB_SERVER_PROPS

```
public static final java.lang.String EJB_SERVER_PROPS
```

EJB_TEMPLATE_RO

```
public static final java.lang.String EJB_TEMPLATE_RO
```

EJB_TEMPLATE_RW

```
public static final java.lang.String EJB_TEMPLATE_RW
```

EJB_TEMPLATE_DEFINITION_RO

```
public static final java.lang.String EJB_TEMPLATE_DEFINITION_RO
```

EJB_TEMPLATE_DEFINITION_RW

```
public static final java.lang.String EJB_TEMPLATE_DEFINITION_RW
```

EJB_WORKFLOW_PROCESSOR

```
public static final java.lang.String EJB_WORKFLOW_PROCESSOR
```

EJB_WORKLIST

```
public static final java.lang.String EJB_WORKLIST
```

IDGENERATOR

```
public static final java.lang.String IDGENERATOR
```

This is in the raw form in case this gets used outside of an EJB.

TOPIC_FACTORY

```
public static final java.lang.String TOPIC_FACTORY
```

JMS Topic and Queue Factories

QUEUE_FACTORY

```
public static final java.lang.String QUEUE_FACTORY
```

EJB_TOPIC_FACTORY

```
public static final java.lang.String EJB_TOPIC_FACTORY
```

EJB_QUEUE_FACTORY

```
public static final java.lang.String EJB_QUEUE_FACTORY
```

AUDIT_TOPIC

```
public static final java.lang.String AUDIT_TOPIC
```

Topics and Queues.

ERROR_TOPIC

```
public static final java.lang.String ERROR_TOPIC
```

EVENT_QUEUE

```
public static final java.lang.String EVENT_QUEUE
```

EVENT_TOPIC

```
public static final java.lang.String EVENT_TOPIC
```

INIT_QUEUE

```
public static final java.lang.String INIT_QUEUE
```

NOTIFY_TOPIC

```
public static final java.lang.String NOTIFY_TOPIC
```

EJB_AUDIT_TOPIC

```
public static final java.lang.String EJB_AUDIT_TOPIC
```

EJB_ERROR_TOPIC

```
public static final java.lang.String EJB_ERROR_TOPIC
```

EJB_EVENT_QUEUE

```
public static final java.lang.String EJB_EVENT_QUEUE
```

EJB_EVENT_TOPIC

```
public static final java.lang.String EJB_EVENT_TOPIC
```

EJB_NOTIFY_TOPIC

```
public static final java.lang.String EJB_NOTIFY_TOPIC
```

WLPI_USER

```
public static final java.lang.String WLPI_USER
```

These tags define the wlpi system user/password to be used when propagating the values on the JNDI context.

WLPI_PWD

```
public static final java.lang.String WLPI_PWD
```

VALIDATE_FLAG

```
public static final java.lang.String VALIDATE_FLAG
```

ENVIRONMENT_CONTEXT

```
public static final java.lang.String ENVIRONMENT_CONTEXT
```

PLUGIN_CONTEXT

```
public static final java.lang.String PLUGIN_CONTEXT
```

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2.0*

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com.bea.wlpi.server.common

Class JNDIHelper

java.lang.Object

|
+-- **com.bea.wlpi.server.common.JNDIHelper**public final class **JNDIHelper**

extends java.lang.Object

This class defines static methods that can be used to get a Context object to the WLS JNDI tree.

Method Summary

static javax.sql.DataSource	getDataSource (java.lang.String name) This method returns a DataSource object from JNDI.
static javax.sql.DataSource	getDataSource (java.lang.String name, javax.naming.Context ctx) This method returns a DataSource object from JNDI.
static javax.naming.InitialContext	getInitialContext () This method can be used if the object is in WLS and does not need to specify a username
static javax.naming.InitialContext	getInitialContext (java.lang.String url) This method allows access to different URLs, but with the default username.
static javax.naming.InitialContext	getInitialContext (java.lang.String username, java.lang.Object credentials) This method is used on the server when a new username is needed for the JNDI context.
static javax.naming.InitialContext	getInitialContext (java.lang.String url, java.lang.String username, java.lang.Object credentials) This method allows code to specify the username and URL to connect with.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

getInitialContext

```
public static javax.naming.InitialContext getInitialContext()  
                                                    throws
```

```
javax.naming.NamingException
```

This method can be used if the object is in WLS and does not need to specify a username

Returns:

```
    javax.naming.Context
```

Throws:

```
    javax.naming.NamingException -
```

getInitialContext

```
public static javax.naming.InitialContext getInitialContext(java.lang.String url)  
                                                    throws
```

```
javax.naming.NamingException
```

This method allows access to different URLs, but with the default username.

Parameters:

```
    url -
```

Returns:

```
    javax.naming.Context
```

Throws:

```
    javax.naming.NamingException -
```

getInitialContext

```
public static javax.naming.InitialContext  
getInitialContext(java.lang.String username,
```

```
java.lang.Object credentials)
```

```
                                                    throws
```

```
javax.naming.NamingException
```

This method is used on the server when a new username is needed for the JNDI context.

Parameters:

```
    username -
```

```
    credentials -
```

Returns:

```
    javax.naming.Context
```

Throws:

```
    javax.naming.NamingException -
```

getInitialContext

```
public static javax.naming.InitialContext getInitialContext(java.lang.String url,  
java.lang.String username,  
java.lang.Object credentials)  
  
throws  
javax.naming.NamingException
```

This method allows code to specify the username and URL to connect with. In WLS, the username will be propagated to the work thread the JNDI Context object is associated with.

Parameters:

url -
username -
credentials -

Returns:

javax.naming.Context

Throws:

javax.naming.NamingException -

getDataSource

```
public static javax.sql.DataSource getDataSource(java.lang.String name,  
javax.naming.Context ctx)  
throws javax.naming.NamingException
```

This method returns a DataSource object from JNDI.

Parameters:

String - Name of the DataSource object
Context - Context to JNDI. If null, this will attempt to grab a default Context

Returns:

DataSource object from JNDI

Throws:

javax.naming.NamingException -

getDataSource

```
public static javax.sql.DataSource getDataSource(java.lang.String name)  
throws javax.naming.NamingException
```

This method returns a DataSource object from JNDI.

Parameters:

String - Name of the DataSource object

Returns:

DataSource object from JNDI

Throws:

javax.naming.NamingException -

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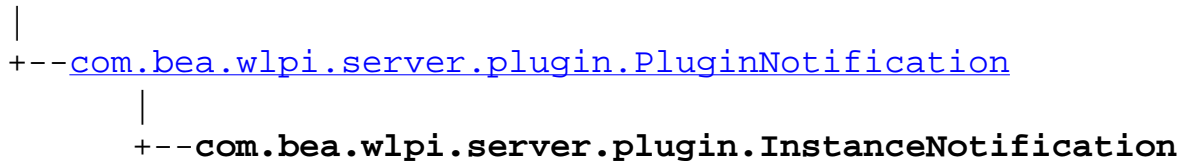
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com.bea.wlpi.server.plugin

Class InstanceNotification

java.lang.Object



All Implemented Interfaces:

java.io.Serializable

public final class **InstanceNotification**extends [PluginNotification](#)

Notification object that describes a change to a workflow instance.

Since:

WebLogic Process Integrator 2.0

See Also:

[Plugin.instanceChanged\(com.bea.wlpi.server.plugin.InstanceNotification\)](#),
[Serialized Form](#)

Fields inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)

[eventType](#), [source](#)

Method Summary

[InstanceInfo](#) [getInstance](#) ()

Return information about the affected workflow instance.

Methods inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)

[getEventType](#), [getSource](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

getInstance

```
public InstanceInfo getInstance()
```

Return information about the affected workflow instance.

Returns:

Instance information.

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com.bea.wlpi.server.common

Interface ExecutionContext

public interface **ExecutionContext**

Provides run-time support to plugin-supplied nodes and actions.

Since:

WebLogic Process Integrator 2.0

Field Summary

static java.lang.String	AUDIT_HOME JNDI/EJB environment entry for the Audit bean.
static java.lang.String	BUSINESS_CALENDAR_HOME JNDI/EJB environment entry for the BusinessCalendar bean.
static int	CALTYPE_ASSIGNEE Use task assignee calendar when evaluating expressions.
static int	CALTYPE_GREGORIAN Use Gregorian calendar when evaluating expressions.
static int	CALTYPE_ORG Use instance org calendar when evaluating expressions.
static int	CALTYPE_SPECIFIC Use specific calendar when evaluating expressions.
static int	CONTINUE Return code to permit processing of subsequent operations.
static int	EXIT_CONTINUE Return code to exit an error handler and permit processing of subsequent operations.
static int	EXIT_RETRY Return code to exit an error handler and request retry of the failed operation.
static int	EXIT_ROLLBACK Return code to exit an error handler and request rollback of user transaction.

static int	STOP Return code to prevent processing of subsequent operations.
static java.lang.String	TEMPLATE_DEFINITION_HOME JNDI/EJB environment entry for the <code>TemplateDefinitionRO</code> bean.
static java.lang.String	WLPI_PRINCIPAL_HOME JNDI/EJB environment entry for the <code>WLPIPrincipal</code> bean.
static java.lang.String	WORKFLOW_INSTANCE_HOME JNDI/EJB environment entry for the <code>WorkflowInstance</code> bean.
static java.lang.String	XML_REPOSITORY_HOME JNDI/EJB environment entry for the <code>XMLRepository</code> bean.

Method Summary

void	addClientResponse (java.lang.String xml) Append an XML subdocument to the API method's return value.
java.lang.String	getErrorHandler () Return the name of the current error handler.
com.bea.wlpi.server.eventprocessor.EventData	getEventData () Return the data associated with the current event, if any.
int	getExceptionNumber () Return the message number of the error being handled by the exception handler.
java.lang.Exception	getExceptionObject () Return the exception object being handled by the exception handler.
int	getExceptionSeverity () Return the severity code of the error being handled by the exception handler.
java.lang.String	getExceptionText () Return the message text of the error being handled by the exception handler.
java.lang.String	getExceptionType () Return the type of exception being handled by the exception handler.
java.lang.String	getInstanceID () Return the ID of the current workflow instance.
java.lang.String	getOrg () Return the ID of the organization in which the current instance is running.
java.lang.Object	getPluginInstanceData (java.lang.String pluginName) Get the workflow instance data provided by the named plugin.

java.lang.String	getRequestor () Return the ID of the user who made the current API request.
boolean	getRollbackOnly () Return whether the current user transaction has been marked for rollback only.
java.lang.String	getTemplateDefinitionID () Return the ID of the current template definition.
PluginObject	getTemplateDefinitionPluginData (java.lang.String pluginName) Return the plugin template definition data for the specified plugin.
java.lang.String	getTemplateID () Return the ID of the current template.
PluginObject	getTemplatePluginData (java.lang.String pluginName) Return the plugin template data for the specified plugin.
VariableInfo	getVariableInfo (java.lang.String name) Return information about a variable in the template definition.
java.lang.Object	getVariableValue (java.lang.String name) Return the value of a workflow instance variable.
com.bea.wlpi.server.instance.WorkflowInstanceData	getWorkflowInstanceData () Return the workflow instance state.
java.lang.String	instantiate (java.lang.String orgID, java.lang.String initialNode, java.lang.String parentTemplateDefinitionID, java.lang.String parentID, java.lang.String parentNodeID, com.bea.wlpi.server.eventprocessor.EventData eventData, java.util.List lVariableValues, java.util.Map pluginData) Create a new workflow instance.
int	invokeErrorHandler (java.lang.String handlerName, java.lang.Exception e) Invoke an error handler by name.
boolean	isAuditEnabled () Return whether auditing is enabled for the current workflow.
void	setErrorHandler (java.lang.String handlerName) Set the current error handler.
void	setPluginInstanceData (java.lang.String pluginName, java.lang.Object data) Set the workflow instance data provided by the named plugin.

void	setRollbackOnly () Set the current user transaction for rollback only.
void	setVariableValue (java.lang.String name, java.lang.Object value) Set the value of a workflow instance variable.
java.lang.String	taskAssign (java.lang.String instanceID, java.lang.String taskID, java.lang.String assigneeID, boolean bRole, boolean bLoadBalance) Assign a workflow task to a participant.
java.lang.String	taskDoit (java.lang.String instanceID, java.lang.String taskID) Execute a workflow task.
java.lang.String	taskMarkDone (java.lang.String instanceID, java.lang.String taskID) Mark a workflow task as complete.
java.lang.String	taskSetProperties (java.lang.String instanceID, java.lang.String taskID, int priority, boolean doneWithoutExecute, boolean executeIfDone, boolean unmarkDone, boolean modifiable, boolean reassignment) Set the properties for a workflow task.
java.lang.String	taskUnassign (java.lang.String instanceID, java.lang.String taskID) Unassign a workflow task.
java.lang.String	taskUnmarkDone (java.lang.String instanceID, java.lang.String taskID) Mark a workflow task as incomplete.

Field Detail

AUDIT_HOME

```
public static final java.lang.String AUDIT_HOME
    JNDI/EJB environment entry for the Audit bean.
```

WLPI_PRINCIPAL_HOME

```
public static final java.lang.String WLPI_PRINCIPAL_HOME
    JNDI/EJB environment entry for the WLPIPrincipal bean.
```

TEMPLATE_DEFINITION_HOME

```
public static final java.lang.String TEMPLATE_DEFINITION_HOME
    JNDI/EJB environment entry for the TemplateDefinitionRO bean.
```

WORKFLOW_INSTANCE_HOME

```
public static final java.lang.String WORKFLOW_INSTANCE_HOME
    JNDI/EJB environment entry for the WorkflowInstance bean.
```

BUSINESS_CALENDAR_HOME

```
public static final java.lang.String BUSINESS_CALENDAR_HOME
    JNDI/EJB environment entry for the BusinessCalendar bean.
```

XML_REPOSITORY_HOME

```
public static final java.lang.String XML_REPOSITORY_HOME
    JNDI/EJB environment entry for the XMLRepository bean.
```

CALTYPE_ORG

```
public static final int CALTYPE_ORG
    Use instance org calendar when evaluating expressions.
```

CALTYPE_ASSIGNEE

```
public static final int CALTYPE_ASSIGNEE  
    Use task assignee calendar when evaluating expressions.
```

CALTYPE_SPECIFIC

```
public static final int CALTYPE_SPECIFIC  
    Use specific calendar when evaluating expressions.
```

CALTYPE_GREGORIAN

```
public static final int CALTYPE_GREGORIAN  
    Use Gregorian calendar when evaluating expressions.
```

CONTINUE

```
public static final int CONTINUE  
    Return code to permit processing of subsequent operations.
```

STOP

```
public static final int STOP  
    Return code to prevent processing of subsequent operations.
```

EXIT_ROLLBACK

```
public static final int EXIT_ROLLBACK  
    Return code to exit an error handler and request rollback of user transaction.
```

EXIT_CONTINUE

```
public static final int EXIT_CONTINUE
```

Return code to exit an error handler and permit processing of subsequent operations.

EXIT_RETRY

```
public static final int EXIT_RETRY
```

Return code to exit an error handler and request retry of the failed operation.

Method Detail

getRollbackOnly

```
public boolean getRollbackOnly()
```

Return whether the current user transaction has been marked for rollback only.

Returns:

true if the transaction is set for rollback only.

setRollbackOnly

```
public void setRollbackOnly()
```

Set the current user transaction for rollback only.

getTemplatePluginData

```
public PluginObject getTemplatePluginData(java.lang.String pluginName)
```

Return the plugin template data for the specified plugin.

Parameters:

pluginName - The reverse-DNS plugin name.

Returns:

Plugin's template data.

getTemplateDefinitionPluginData

```
public PluginObject getTemplateDefinitionPluginData(java.lang.String pluginName)
```

Return the plugin template definition data for the specified plugin.

Parameters:

pluginName - The reverse-DNS plugin name.

Returns:

Plugin's template definition data.

getTemplateID

```
public java.lang.String getTemplateID()
```

Return the ID of the current template.

Returns:

The template ID.

getTemplateDefinitionID

```
public java.lang.String getTemplateDefinitionID()
```

Return the ID of the current template definition.

Returns:

The template definition ID.

getInstanceID

```
public java.lang.String getInstanceID()
```

Return the ID of the current workflow instance.

Returns:

The workflow instance ID.

getWorkflowInstanceData

```
public com.bea.wlpi.server.instance.WorkflowInstanceData getWorkflowInstanceData()  
                                                    throws WorkflowException
```

Return the workflow instance state. *N.B. This method exposes undocumented classes.* Plugins should call the public APIs [Admin.getInstanceVariables\(java.lang.String\)](#) and [Admin.setInstanceVariable\(java.lang.String, java.lang.String, java.lang.String, java.lang.Object\)](#) instead.

Returns:

The workflow instance state.

Throws:

[WorkflowException](#) - if an error occurred when accessing the workflow instance state.

getEventData

```
public com.bea.wlpi.server.eventprocessor.EventData getEventData()
```

Return the data associated with the current event, if any.

Returns:

The event data.

getOrg

```
public java.lang.String getOrg()  
                        throws WorkflowException
```

Return the ID of the organization in which the current instance is running.

Returns:

The organization ID.

Throws:

[WorkflowException](#) - if an error occurred when retrieving the organization ID.

getRequestor

```
public java.lang.String getRequestor()
```

Return the ID of the user who made the current API request.

Returns:

The requestor ID.

isAuditEnabled

```
public boolean isAuditEnabled()
```

Return whether auditing is enabled for the current workflow.

Returns:

The workflow's 'audit-enabled' flag.

addClientResponse

```
public void addClientResponse(java.lang.String xml)
```

Append an XML subdocument to the API method's return value.

Parameters:

xml - XML subdocument to append.

instantiate

```
public java.lang.String instantiate(java.lang.String orgID,  
                                     java.lang.String initialNode,  
                                     java.lang.String parentTemplateDefinitionID,  
                                     java.lang.String parentID,  
                                     java.lang.String parentNodeID,  
                                     com.bea.wlpi.server.eventprocessor.EventData eventData,  
                                     java.util.List lVariableValues,  
                                     java.util.Map pluginData)  
    throws WorkflowException
```

Create a new workflow instance.

Parameters:

orgID - The ID of the organization within which the instance is to run.

initialNode - The ID of the start node to activate.

parentTemplateDefinitionID - The ID of the parent template definition (if instantiating a sub-workflow).

parentID - The ID of the parent workflow instance (if instantiating a sub-workflow).

parentNodeID - The ID of the node in the parent workflow to be notified of events in subflows life-cycle (if instantiating a sub-workflow).
eventData - An event datum to pass to the called start nodes in the workflow. This is an alternative to setting variable values explicitly via the lVariableValues parameter.
lVariableValues - A list of [VariableInfo](#) objects to initialize the workflow instance variables. Note that non-null initial values for *all* mandatory input variables *must* be passed through the lVariableValues parameter.

Returns:

The ID of the new workflow instance.

Throws:

[WorkflowException](#) - if the workflow could not be instantiated.

See Also:

[Worklist.instantiateWorkflow\(String, String, String, Map, Map\)](#)

taskDoit

```
public java.lang.String taskDoit(java.lang.String instanceID,  
                                   java.lang.String taskID)  
    throws WorkflowException
```

Execute a workflow task. This is equivalent to calling the public [Worklist.taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#) method.

Parameters:

instanceID - The ID of the workflow instance.
taskID - The ID of the task to execute.

Returns:

A response string (in XML format) compliant.

Throws:

[WorkflowException](#) - if an error occurred while executing the task.

See Also:

[Worklist.taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#)

taskMarkDone

```
public java.lang.String taskMarkDone(java.lang.String instanceID,  
                                       java.lang.String taskID)  
    throws WorkflowException
```



```
        boolean bRole,  
        boolean bLoadBalance)  
    throws WorkflowException
```

Assign a workflow task to a participant. This is equivalent to calling the public [Worklist.taskAssign\(java.lang.String, java.lang.String, java.lang.String, boolean, boolean\)](#) method.

Parameters:

instanceID - The ID of the workflow instance.

taskID - The ID of the task to assign.

assigneeID - The ID of the participant to whom the task is to be assigned. Must be a valid WebLogic Process Integrator role or user ID.

bRole - true if the assigneeID is a role ID.

bLoadBalance - true to apply the load-balancing across the members of a role. This parameter is ignored if bRole is false.

Returns:

A response string (in XML format) compliant.

Throws:

[WorkflowException](#) - if an error occurred while assigning the task.

See Also:

[Worklist.taskAssign\(java.lang.String, java.lang.String, java.lang.String, java.lang.String, boolean, boolean\)](#)

taskUnassign

```
public java.lang.String taskUnassign(java.lang.String instanceID,  
                                       java.lang.String taskID)  
    throws WorkflowException
```

Unassign a workflow task. This is equivalent to calling the public [Worklist.taskUnassign\(java.lang.String, java.lang.String, java.lang.String\)](#) method.

Parameters:

instanceID - The ID of the workflow instance.

taskID - The ID of the task to unassign.

Returns:

A response string (in XML format) compliant.

Throws:

[WorkflowException](#) - if an error occurred while unassigning the task.

See Also:

[Worklist.taskUnassign\(java.lang.String, java.lang.String, java.lang.String\)](#)

taskSetProperties

```
public java.lang.String taskSetProperties(java.lang.String instanceID,  
                                           java.lang.String taskID,  
                                           int priority,  
                                           boolean doneWithoutExecute,  
                                           boolean executeIfDone,  
                                           boolean unmarkDone,  
                                           boolean modifiable,  
                                           boolean reassignment)  
                                           throws WorkflowException
```

Set the properties for a workflow task. This is equivalent to calling the public [Worklist.taskSetProperties\(java.lang.String, java.lang.String, java.lang.String, int, boolean, boolean, boolean, boolean, boolean\)](#) method.

Parameters:

instanceID - The ID of the workflow instance.

taskID - The ID of the task to update.

priority - The task instance priority (0=low, 1=medium, 2=high).

doneWithoutExecute - true to permit a user to mark a task instance as complete (by calling the [Worklist.taskMarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#) method).

executeIfDone - true to permit a user to execute a task instance after it has been marked as complete (by calling the [Worklist.taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#) method).

unmarkDone - true to permit a user to mark a task instance as incomplete (by calling the [Worklist.taskUnmarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#) method).

modifiable - true to permit a user to modify a task instance's runtime properties (by calling the [Worklist.taskSetProperties\(java.lang.String, java.lang.String, java.lang.String, int, boolean, boolean, boolean, boolean, boolean\)](#) method).

reassignable - true to permit a user to reassign a task instance to another participant (by calling the [Worklist.taskAssign\(java.lang.String, java.lang.String, java.lang.String, java.lang.String, boolean, boolean\)](#) method).

Returns:

A response string as described under [Worklist.taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

[WorkflowException](#) - if an error occurred while setting the task properties.

See Also:

[Worklist.taskSetProperties\(java.lang.String, java.lang.String, java.lang.String, int, boolean, boolean, boolean, boolean\)](#)

setVariableValue

```
public void setVariableValue(java.lang.String name,  
                             java.lang.Object value)  
    throws WorkflowException
```

Set the value of a workflow instance variable.

Parameters:

name - The name of the variable to set.

value - The new value to assign.

Throws:

[WorkflowException](#) - if an error occurred while setting the variable's value.

See Also:

[Admin.setInstanceVariable\(java.lang.String, java.lang.String, java.lang.String, java.lang.Object\)](#)

getVariableValue

```
public java.lang.Object getVariableValue(java.lang.String name)  
    throws WorkflowException
```

Return the value of a workflow instance variable. N.B. It returns a DOM node if this variable is xml type.

Parameters:

name - The name of the variable whose value is required.

Returns:

the variable's value.

Throws:

[WorkflowException](#) - if an error occurred while retrieving the variable's value.

See Also:

[Admin.getInstanceVariables\(java.lang.String\)](#)

getVariableInfo

```
public VariableInfo getVariableInfo(java.lang.String name)
```

Return information about a variable in the template definition.

Returns:

Variable information.

getErrorHandler

```
public java.lang.String getErrorHandler()  
    throws WorkflowException
```

Return the name of the current error handler. The system exception handler is denoted by the empty string.

Returns:

the name of the current error handler.

Throws:

[WorkflowException](#) - if the exception handler re-threw the original exception, or if a subsequent error occurred during the execution of the exception handler itself.

setErrorHandler

```
public void setErrorHandler(java.lang.String handlerName)  
    throws WorkflowException
```

Set the current error handler.

Parameters:

handlerName - The name of the error handler to store. If null, the method restores the previous exception handler. If the empty string, the method makes the system error handler current.

Throws:

[WorkflowException](#) - if the exception handler could not be set.

invokeErrorHandler

```
public int invokeErrorHandler(java.lang.String handlerName,  
    java.lang.Exception e)
```


throws [WorkflowException](#)

Invoke an error handler by name.

Throws:

[WorkflowException](#) - if the exception handler threw an exception, or if a subsequent error occurred during the execution of the exception handler itself.

getExceptionType

```
public java.lang.String getExceptionType()
```

Return the type of exception being handled by the exception handler. Typically, the exception type is the name of the exception class that raised the error.

Returns:

The current exception type.

getExceptionSeverity

```
public int getExceptionSeverity()
```

Return the severity code of the error being handled by the exception handler.

Returns:

Severity code: [WorkflowException.ERROR_SYSTEM](#), [WorkflowException.ERROR_WORKFLOW](#), [WorkflowException.WARNING_WORKFLOW](#), [WorkflowException.ERROR_UNKNOWN](#), or [WorkflowException.ERROR_CUSTOM](#)

getExceptionNumber

```
public int getExceptionNumber()
```

Return the message number of the error being handled by the exception handler.

Returns:

The message number.

See Also:

[Messages](#)

getExceptionText

```
public java.lang.String getExceptionText()
```

Return the message text of the error being handled by the exception handler.

Returns:

The message text.

See Also:

[Messages](#)

getExceptionObject

```
public java.lang.Exception getExceptionObject()
```

Return the exception object being handled by the exception handler.

Returns:

The exception object.

getPluginInstanceData

```
public java.lang.Object getPluginInstanceData(java.lang.String pluginName)  
throws WorkflowException
```

Get the workflow instance data provided by the named plugin.

Parameters:

pluginName - The reverse-DNS name of the plugin that supplied the data.

Returns:

Plugin-provided instance data.

Throws:

[WorkflowException](#) - if an error occurred when accessing the data.

See Also:

[setPluginInstanceData\(java.lang.String, java.lang.Object\)](#)

setPluginInstanceData

```
public void setPluginInstanceData(java.lang.String pluginName,  
                                  java.lang.Object data)  
    throws WorkflowException
```

Set the workflow instance data provided by the named plugin.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying the data.

`data` - The serializable plugin instance data. Set plugin-provided instance data.

Throws:

[WorkflowException](#) - if an error occurred when storing the data.

See Also:

[getPluginInstanceData\(java.lang.String\)](#)

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com.bea.wlpi.server.plugin

Interface EventHandler

All Superinterfaces:

java.io.Serializable

public interface **EventHandler**

extends java.io.Serializable

Interface through which plugins can handle or transform incoming event data.

Since:

WebLogic Process Integrator 2.0

Method Summary

com.bea.wlpi.server.eventprocessor.EventData[]	onEvent (com.bea.wlpi.server.eventprocessor.EventData eventData) Handle an incoming event.
--	---

Method Detail

onEvent

```
public com.bea.wlpi.server.eventprocessor.EventData[]  
onEvent (com.bea.wlpi.server.eventprocessor.EventData eventData)  
        throws PluginException
```

Handle an incoming event. The event processor calls this method when it receives an event message (usually via JMS) that is addressed to a specific plugin. If the event handler merely transforms the incoming data to a different format (typically XML), it should return the transformed data, with appropriate content type and other attributes set. Event handlers that completely process the incoming event internally should return null. Event handlers can also translate a single incoming event into multiple outgoing events for the event processor to handle sequentially.

Returns:

Transformed event data, to be handled by the standard event processor.

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com.bea.wlpi.server.plugin

Interface EventContext

public interface **EventContext**

Provides run-time context and services to plugin event and start nodes. The framework passes an instance of this interface to the

[PluginEvent.activate\(com.bea.wlpi.server.plugin.EventContext, com.bea.wlpi.server.common.ExecutionContext\)](#) and [PluginStart.setTrigger\(com.bea.wlpi.server.plugin.EventContext, java.lang.String\)](#) methods.

Since:

WebLogic Process Integrator 2.0

See Also:[PluginEvent](#), [PluginStart](#), [EventInfo](#), [StartInfo](#)

Method Summary

void	activateEvent (ExecutionContext context, java.lang.String contentType, java.lang.String eventDescriptor, java.lang.String keyValue, java.lang.String condition) Perform default event activation.
------	---

java.lang.String	getNodeID () Return the ID of the event or start node.
------------------	--

java.lang.String	getTemplateDefinitionID () Return the ID of the workflow template definition.
------------------	---

java.lang.String	getTemplateID () Return the ID of the workflow template.
------------------	--

void	postStartWatch (java.lang.String contentType, java.lang.String eventDescriptor, java.lang.String keyValue, java.lang.String condition, java.lang.String startOrg) Register an event processor watch record for the specified message.
void	removeEventWatch (ExecutionContext context) De-register the event processor watch record for the specified message.
void	removeStartWatch () De-register the event processor watch record for the specified message.

Method Detail

getTemplateID

```
public java.lang.String getTemplateID()
```

Return the ID of the workflow template.

Returns:

The template ID.

See Also:

[#getNodeID](#)

getTemplateDefinitionID

```
public java.lang.String getTemplateDefinitionID()
```

Return the ID of the workflow template definition.

Returns:

The template definition ID.

See Also:

[#getNodeID](#)

getNodeID

```
public java.lang.String getNodeID()
```

Return the ID of the event or start node.

Returns:

The node ID.

See Also:

[getTemplateID\(\)](#), [getTemplateDefinitionID\(\)](#)

activateEvent

```
public void activateEvent(ExecutionContext context,  
                           java.lang.String contentType,  
                           java.lang.String eventDescriptor,  
                           java.lang.String keyValue,  
                           java.lang.String condition)  
    throws WorkflowException
```

Perform default event activation. This consists of checking whether the event processor has already received and persisted a message addressed to this workflow instance or template. If such a message exists, is of the required content type and event descriptor, and its key value matches the key value (if any) specified by the caller, and the conditional expression (if any) also evaluates to `true`, the matching event is consumed and the event node triggered. If no such message exists, the method posts an event watch record.

Parameters:

`context` - The workflow execution context passed to the caller.

`contentType` - The MIME content type of the event data.

`eventDescriptor` - Event data format descriptor, in a plugin-defined format appropriate to the content type. Can be `null`.

`keyValue` - The key value required to trigger this event. Can be `null`.

`condition` - A conditional expression to evaluate to against the event data. The condition must evaluate to `true` to trigger the event. Can be `null`.

Throws:

`EJBException` - if the event watch could not be posted.

`UnsupportedOperationException` - if the method is called from other than a [PluginEvent](#) node.

See Also:

[PluginEvent.activate\(com.bea.wlpi.server.plugin.EventContext, com.bea.wlpi.server.common.ExecutionContext\)](#)

postStartWatch

```
public void postStartWatch(java.lang.String contentType,  
                             java.lang.String eventDescriptor,  
                             java.lang.String keyValue,  
                             java.lang.String condition,  
                             java.lang.String startOrg)
```

Register an event processor watch record for the specified message.

Parameters:

`contentType` - The MIME content type of the event data.

`eventDescriptor` - Event data format descriptor, in a plugin-defined format appropriate to the content type. Can be null.

`keyValue` - The key value required to trigger this event. Can be null.

`condition` - A conditional expression to evaluate to against the event data. The condition must evaluate to true to trigger the event. Can be null.

`startOrg` - An expression which, when evaluated, yields the ID of the organization in which to instantiate the workflow.

Throws:

`EJBException` - if the start watch could not be posted.

`UnsupportedOperationException` - if the method is called from other than a [PluginStart](#) node.

See Also:

[removeStartWatch\(\)](#)

removeEventWatch

```
public void removeEventWatch(ExecutionContext context)
```

De-register the event processor watch record for the specified message. This method should only be called by a [PluginEvent](#) node.

Parameters:

`context` - The workflow execution context passed to the caller.

Throws:

`EJBException` - if the event watch could not be removed.

`UnsupportedOperationException` - if the method is called from other than a [PluginEvent](#) node.

removeStartWatch

```
public void removeStartWatch()
```

De-register the event processor watch record for the specified message. This method should only be called by a [PluginStart](#) node.

Throws:

[EJBException](#) - if the start watch could not be removed.

[UnsupportedOperationException](#) - if the method is called from other than a [PluginStart](#) node.

See Also:

[postStartWatch\(java.lang.String, java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#)

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com.bea.wlpi.evaluator

Class EvaluatorException

java.lang.Object

|
+-- java.lang.Throwable

|
+-- java.lang.Exception

|
+-- [com.bea.wlpi.common.WorkflowException](#)

|
+-- **com.bea.wlpi.evaluator.EvaluatorException**

All Implemented Interfaces:

java.io.Serializable

public class **EvaluatorException**

extends [WorkflowException](#)

Exception class thrown by evaluator methods.

See Also:

[Serialized Form](#)

Fields inherited from class com.bea.wlpi.common.[WorkflowException](#)

[ERROR_CUSTOM](#), [ERROR_SYSTEM](#), [ERROR_UNKNOWN](#), [ERROR_WORKFLOW](#),
[WARNING_WORKFLOW](#)

Constructor Summary

[EvaluatorException](#)(java.lang.Exception e)

[EvaluatorException](#)(java.lang.Exception e, int msgNum)

```
EvaluatorException(java.lang.Exception e, int msgNum,  
java.lang.Object[] args)
```

```
EvaluatorException(int msgNum)
```

```
EvaluatorException(int msgNum, java.lang.Object[] args)
```

Methods inherited from class com.bea.wlpi.common.[WorkflowException](#)

```
getLocalizedMessage, getLocalizedMessage,  
getLocalizedMessageDescription, getMessage, getMessageNumber,  
getNestedException, getOrigin, getOriginalException,  
getOriginalException, getSeverity, getSeverityDescription,  
isDeadlock, isDeadlock, printStackTrace, printStackTrace,  
printStackTrace
```

Methods inherited from class java.lang.Throwable

```
fillInStackTrace, toString
```

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait,  
wait, wait
```

Constructor Detail

EvaluatorException

```
public EvaluatorException(java.lang.Exception e)
```

EvaluatorException

```
public EvaluatorException(java.lang.Exception e,  
int msgNum)
```

EvaluatorException

```
public EvaluatorException(java.lang.Exception e,  
                           int msgNum,  
                           java.lang.Object[] args)
```

EvaluatorException

```
public EvaluatorException(int msgNum)
```

EvaluatorException

```
public EvaluatorException(int msgNum,  
                           java.lang.Object[] args)
```

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com.bea.wlpi.evaluator

Class EvaluationContext

java.lang.Object

|
+-- **com.bea.wlpi.evaluator.EvaluationContext**public final class **EvaluationContext**

extends java.lang.Object

Passes evaluation parameters to nodes in an expression parse tree.

Since:

WebLogic Process Integrator 2.0

Method Summary

int	getCalendarType () Return the type calendar of calendar to use when performing date arithmetic.
com.bea.wlpi.server.eventprocessor.EventData	getEventData () Return the event datum for the current event.
ExecutionContext	getExecutionContext () Return the execution context within which to evaluate the expression.
java.lang.String	getTaskId () Return the ID of the current task (if any).
java.lang.String	getUserId () Return the ID of the user who made the current top-level API call.
com.bea.wlpi.server.instance.WorkflowInstanceData	getWorkflowInstanceData () Return the workflow instance state.

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Method Detail

`getExecutionContext`

```
public final ExecutionContext getExecutionContext()
```

Return the execution context within which to evaluate the expression.

Returns:

The execution context.

`getCalendarType`

```
public final int getCalendarType()
```

Return the type calendar of calendar to use when performing date arithmetic.

`getWorkflowInstanceData`

```
public final com.bea.wlpi.server.instance.WorkflowInstanceData  
getWorkflowInstanceData()
```

Return the workflow instance state. *N.B. This method exposes undocumented classes.* Plugins should call the public APIs [Admin.getInstanceVariables\(java.lang.String\)](#) and [Admin.setInstanceVariable\(java.lang.String, java.lang.String, java.lang.String, java.lang.Object\)](#) instead.

Returns:

The workflow instance state.

`getEventData`

```
public final com.bea.wlpi.server.eventprocessor.EventData getEventData()
```

Return the event datum for the current event.

Returns:

The event datum.

getUserId

```
public final java.lang.String getUserId()
```

Return the ID of the user who made the current top-level API call.

Returns:

The user ID.

getTaskId

```
public final java.lang.String getTaskId()
```

Return the ID of the current task (if any).

Returns:

The task ID.

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com.bea.wlpi.server.catalog

Interface EJBCatalogHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **EJBCatalogHome**

extends javax.ejb.EJBHome

Home interface for the [EJBCatalog](#) session EJB.

Method Summary

[EJBCatalog](#) **create** ()Create a remote [EJBCatalog](#) instance.

Methods inherited from interface javax.ejb.EJBHome

getEJBMetaData, getHomeHandle, remove, remove

Method Detail

create

```
public EJBCatalog create ( )  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a remote [EJBCatalog](#) instance. The remote object may be used to catalog the EJBs deployed on a given system.

Returns:

Remote reference to newly created EJB catalog object.

Throws:

[javax.ejb.CreateException](#) - if the remote object could not be created.

java.rmi.RemoteException - if a communication error occurred.

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com.bea.wlpi.server.catalog

Interface EJBCatalog

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **EJBCatalog**

extends javax.ejb.EJBObject

Provides a catalog of EJBs installed on the application server.

See Also:

[EJBCatalogHome](#)

Method Summary

java.util.List	getEJBDescriptors () List the EJBs installed in the previously specified JNDI context.
java.util.List	getEJBNames () List the JNDI names of EJBs installed in the previously specified JNDI context.
boolean	inspectAlways () Return whether the JNDI names and EJBMetaData are regenerated on every call.
void	ping () A "dummy" method for the client to ping.
void	setCatalogRoot (java.lang.String root) Set the JNDI context to use when looking up installed EJBs.
void	setInspectAlways (boolean inspectAlways) Specify whether to regenerate the JNDI names and EJBMetaData on every call to getEJBNames () and getEJBDescriptors ().

Methods inherited from interface javax.ejb.EJBObject

getEJBHome, getHandle, getPrimaryKey, isIdentical, remove

Method Detail

ping

```
public void ping()
    throws java.rmi.RemoteException
```

A "dummy" method for the client to ping. This is to avoid a WLS "feature" that will dereference a remote object that hasn't been referenced for a certain amount of time. This will cause the client to die.

setCatalogRoot

```
public void setCatalogRoot(java.lang.String root)
    throws java.rmi.RemoteException
```

Set the JNDI context to use when looking up installed EJBs.

Parameters:

root - JNDI name of context containing EJB bindings.

Throws:

java.rmi.RemoteException - if a communication error occurs.

getEJBNames

```
public java.util.List getEJBNames()
    throws WorkflowException,
    java.rmi.RemoteException
```

List the JNDI names of EJBs installed in the previously specified JNDI context. The default implementation recursively iterates through all JNDI bindings within this context and builds a list containing the JNDI name of all EJBHome objects encountered.

Returns:

A list of JNDI names for installed EJB home interfaces.

Throws:

java.rmi.RemoteException - if a communication error occurs.

[WorkflowException](#) -

See Also:

[setCatalogRoot\(java.lang.String\)](#), [getEJBDescriptors\(\)](#)

getEJBDescriptors

```
public java.util.List getEJBDescriptors()  
                                throws WorkflowException,  
                                       java.rmi.RemoteException
```

List the EJBs installed in the previously specified JNDI context. The default implementation recursively iterates through all JNDI bindings within this context and builds a list containing an EJBMetaData object for each EJBHome object encountered.

Returns:

A list of `javax.ejb.EJBMetaData` objects.

Throws:

`java.rmi.RemoteException` - if a communication error occurs.

[WorkflowException](#) -

See Also:

[setCatalogRoot\(java.lang.String\)](#), [getEJBNames\(\)](#)

inspectAlways

```
public boolean inspectAlways()  
                throws java.rmi.RemoteException
```

Return whether the JNDI names and EJBMetaData are regenerated on every call.

Returns:

`true` - if the JNDI names and EJBMetaData are regenerated on every call to [getEJBNames\(\)](#) and [getEJBDescriptors\(\)](#).

Throws:

`java.rmi.RemoteException` - if a communication error occurs.

See Also:

[setInspectAlways\(boolean\)](#)

setInspectAlways

```
public void setInspectAlways(boolean inspectAlways)  
                throws java.rmi.RemoteException
```

Specify whether to regenerate the JNDI names and EJBMetaData on every call to [getEJBNames\(\)](#) and [getEJBDescriptors\(\)](#).

Parameters:

`inspectAlways` - true to disable server-side caching of JNDI names and EJBMetaData.

Throws:

`java.rmi.RemoteException` - if a communication error occurs.

See Also:

[inspectAlways\(\)](#)

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com.bea.wlpi.server.audit

Interface AuditHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **AuditHome**

extends javax.ejb.EJBHome

Home interface for the [Audit](#) session EJB.

Method Summary

[Audit](#) [create](#) ()Create a remote object that implements the `Audit` interface.

Methods inherited from interface javax.ejb.EJBHome

`getEJBMetaData`, `getHomeHandle`, `remove`, `remove`

Method Detail

create

public [Audit](#) **create** ()throws `javax.ejb.CreateException`,
`java.rmi.RemoteException`Create a remote object that implements the `Audit` interface.

Throws:

`javax.ejb.CreateException` - if the remote object could not be created.`java.rmi.RemoteException` - if a communications error occurred.

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com.bea.wlpi.server.audit Interface Audit

All Superinterfaces:

[javax.ejb.EJBObject](#), [java.rmi.Remote](#)

public interface **Audit**

extends [javax.ejb.EJBObject](#)

Provides workflow auditing and error reporting facilities.

See Also:

[AuditHome](#)

Method Summary

void	sendMessage (java.lang.String text, java.util.Map props, boolean error) Send an audit or error message with user-specified header properties.
------	---

Methods inherited from interface [javax.ejb.EJBObject](#)

[getEJBHome](#), [getHandle](#), [getPrimaryKey](#), [isIdentical](#), [remove](#)

Method Detail

sendMessage

```
public void sendMessage(java.lang.String text,  
                        java.util.Map props,  
                        boolean error)  
    throws java.rmi.RemoteException
```

Send an audit or error message with user-specified header properties. The system sends the message text to the JMS topic named by the EJB environment entry `jms/AuditTopic`. If the error parameter is `true`, the message is also copied to the JMS topic named by the EJB environment entry `jms/ErrorTopic`.

Parameters:

text - The message text (typically XML, compliant with the [audit message](#) document type definition).

props - Header properties.

error - true if this is an error message.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

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com.bea.wlpi.server.admin

Interface AdminHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **AdminHome**

extends javax.ejb.EJBHome

Home interface for the [Admin](#) session EJB.

Method Summary

[Admin](#) [create](#) ()Create a remote object that implements the [Admin](#) interface.

Methods inherited from interface javax.ejb.EJBHome

getEJBMetaData, getHomeHandle, remove, remove

Method Detail

create

```
public Admin create()  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a remote object that implements the [Admin](#) interface.

Throws:

javax.ejb.CreateException - if the remote object could not be created.
java.rmi.RemoteException - if a communications error occurred.

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com.bea.wlpi.server.admin

Interface Admin

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

 public interface **Admin**

extends javax.ejb.EJBObject

Provides WebLogic Process Integrator administrative functions.

See Also:

[AdminHome](#)

Method Summary

java.lang.String	addBusinessCalendar (BusinessCalendarInfo calendarInfo) Create a new business calendar.
java.lang.String	addBusinessOperation (ClassInvocationDescriptor descriptor) Create a new business operation implemented by a Java class.
java.lang.String	addBusinessOperation (EJBInvocationDescriptor descriptor) Create a new business operation implemented by an EJB.
void	addEventKey (EventKeyInfo eventKeyInfo) Create a new event key.
java.lang.String	addReroute (java.lang.String orgID, java.lang.String from, java.lang.String to, int type, java.sql.Timestamp effective, java.sql.Timestamp expiry) Create a new task reroute.
boolean	checkForTemplateDefinitionInstances (java.lang.String templateDefinitionID) Check whether the specified workflow template definition has any instances.
boolean	checkForTemplateInstances (java.lang.String templateID) Check whether a workflow template has any instances.
java.lang.String	createTemplate (java.lang.String name, java.util.Collection orgs) Deprecated. Use the new or {@link #createTemplate(String,String,Collection,Object)} idempotent version.
java.lang.String	createTemplate (java.lang.String name, java.lang.String xml, java.util.Collection orgs) Create a workflow template with the specified name.
java.lang.String	createTemplate (java.lang.String name, java.lang.String xml, java.util.Collection orgs, java.lang.Object transactionId) Create a workflow template with the specified name.
java.lang.String	createTemplateDefinition (java.lang.String templateID, java.lang.String name, java.lang.String xml) Create a definition for a workflow template, using the name and content supplied.
java.lang.String	createTemplateDefinition (java.lang.String templateId, java.lang.String name, java.lang.String xml, java.lang.Object transactionId) Create a definition for a workflow template, using the name and content supplied.
void	deleteBusinessCalendar (java.lang.String calendarID) Delete a business calendar.

void	deleteBusinessOperation (java.lang.String busOpID) Delete a business operation.
void	deleteEventKey (EventKeyInfo eventKeyInfo) Delete an event key.
void	deleteInstance (java.lang.String instanceID) Delete a workflow instance.
void	deleteReroute (java.lang.String rerouteID) Delete a task reroute.
void	deleteTemplate (java.lang.String templateID) Delete a workflow template.
void	deleteTemplateDefinition (java.lang.String templateDefinitionID) Delete a workflow template definition.
void	deleteTemplateDefinitionInstances (java.lang.String templateDefinitionID, java.lang.String orgID, boolean bStarted, java.util.Date from, java.util.Date to) Delete instances of a workflow template definition in an organization.
void	deleteTemplateInstances (java.lang.String templateID, java.lang.String orgID, boolean bStarted, java.util.Date from, java.util.Date to) Delete instances of a workflow template in an organization.
byte[]	exportPackage (PublishPackage publishPackage, java.lang.Object credential) Exports a package of workflow objects specified by publishPackage.
java.util.List	getAllBusinessCalendars (boolean includeDefinition) List the business calendars defined in the workflow system.
java.lang.String	getBusinessCalendarDefinition (java.lang.String calendarID) Return the definition of a business calendar.
java.util.List	getBusinessOperations () List the currently defined business operations.
java.util.List	getCallableWorkflows (java.lang.String orgID) Returns a List of workflows that can be called.
ClassDescriptor	getClassDescriptor (java.lang.String className) Get a server side class descriptor.
java.util.List	getEventKeyInfo () List the event keys defined within the workflow system.
java.util.List	getInstanceTasks (java.lang.String instanceID) List the tasks in a workflow instance.
java.util.List	getInstanceVariables (java.lang.String instanceID) List the variables in a workflow instance.
java.lang.Object	getPluginInstanceData (java.lang.String pluginName, java.lang.String instanceID) Retrieve the plugin-supplied data associated with a workflow instance.
java.util.List	getReroutes (java.lang.String orgID) List the task reroutes defined within an organization.
java.util.List	getTasks (java.lang.String assigneeID, java.lang.String orgID, boolean role) List the tasks assigned to a participant in an organization.
TemplateInfo	getTemplate (java.lang.String templateID, boolean byName) Return the specified workflow template.
TemplateDefinitionInfo	getTemplateDefinition (java.lang.String templateDefinitionID) Return the specified workflow template definition.

java.lang.String	<u>getTemplateDefinitionContent</u> (java.lang.String definitionId) Get the content of a workflow template definition.
java.util.List	<u>getTemplateDefinitionInstances</u> (java.lang.String templateDefinitionID, java.lang.String orgID, boolean bStarted, java.util.Date from, java.util.Date to, int start, int max) List the instances of a workflow template definition in an organization.
java.util.List	<u>getTemplateDefinitions</u> (java.lang.String templateID) List the definitions for a workflow template.
java.util.List	<u>getTemplateInstances</u> (java.lang.String templateID, java.lang.String orgID, boolean bStarted, java.util.Date from, java.util.Date to, int start, int max) List the instances of a workflow template in an organization.
java.util.List	<u>getTemplateOrgs</u> (java.lang.String templateID) List the organizations that have access to a workflow template.
java.lang.String	<u>getTemplateOwner</u> (java.lang.String templateID) Get the current owner of a workflow template.
java.util.List	<u>getTemplates</u> (java.lang.String orgID) List the workflow templates for a specified organization.
java.lang.String	<u>importPackage</u> (byte[] pkg, java.util.Map publishables, java.lang.String orgID, boolean activate, java.lang.Object credential) Import a package of publishable workflow objects specified by publishables.
void	<u>lockTemplate</u> (java.lang.String templateID) Place a persistent write lock on a workflow template.
void	<u>ping</u> () A "dummy" method for the client to ping at regular intervals.
java.util.Map	<u>readPackage</u> (byte[] pkg, java.lang.Object credential) Reads a packaged workflow application, as created by the <u>exportPackage(com.bea.wlpi.common.PublishPackage, java.lang.Object)</u> method.
void	<u>setInstanceVariable</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String variable, java.lang.Object value) Assign a value to a workflow instance variable.
void	<u>setPluginInstanceData</u> (java.lang.String pluginName, java.lang.String instanceID, java.lang.Object value) Set the plugin-supplied data associated with a workflow instance.
void	<u>setTemplateDefinitionContent</u> (java.lang.String templateDefinitionID, java.lang.String xml) Set the content of a workflow template definition.
void	<u>setTemplateNameOrgs</u> (java.lang.String templateID, java.lang.String name, java.util.Collection orgs) Deprecated. Use <u>setTemplateOrgs(java.lang.String, java.util.Collection)</u> and <u>updateTemplate(com.bea.wlpi.common.TemplateInfo)</u> .
void	<u>setTemplateOrgs</u> (java.lang.String templateID, java.util.Collection orgs) Specify which organizations have access to a workflow template.
java.lang.String	<u>statisticsQuery</u> (java.lang.String xml) Run a statistics query.
void	<u>taskAssign</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID, java.lang.String assignTo, boolean bRole, boolean bLoadBalance) Assign a task to a participant.
void	<u>taskMarkDone</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Mark a task as complete.

void	taskSetProperties (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID, int priority, boolean doneWithoutDoit, boolean doitIfDone, boolean unmarkDone, boolean modify, boolean reassign) Set the properties for a task instance.
void	taskUnassign (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Unassign a task.
void	taskUnmarkDone (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Mark a task as incomplete.
void	unlockTemplate (java.lang.String templateID) Unlock a previously locked template.
void	updateBusinessCalendar (BusinessCalendarInfo calendarInfo) Update a business calendar.
void	updateBusinessOperation (java.lang.String busOpID, ClassInvocationDescriptor descriptor) Update a business operation.
void	updateBusinessOperation (java.lang.String busOpID, EJBInvocationDescriptor descriptor) Update a business operation.
void	updateEventKey (EventKeyInfo eventKeyInfo) Update an event key.
void	updateReroute (java.lang.String rerouteID, java.lang.String to, int type, java.sql.Timestamp effective, java.sql.Timestamp expiry) Update a task reroute.
void	updateReroute (java.lang.String rerouteID, java.lang.String from, java.lang.String to, int type, java.sql.Timestamp effective, java.sql.Timestamp expiry) Update a task reroute.
void	updateTemplate (TemplateInfo info) Update a workflow template.
java.lang.String	workloadQuery (java.lang.String xml) Run a workload query.

Methods inherited from interface javax.ejb.EJBObject

getEJBHome, getHandle, getPrimaryKey, isIdentical, remove

Method Detail

ping

```
public void ping()
    throws java.rmi.RemoteException
```

A "dummy" method for the client to ping at regular intervals. This is to circumvent the WebLogic Server session bean timeout.

Throws:

java.rmi.RemoteException - if a communications error occurred.

throws `java.rmi.RemoteException`,
[WorkflowException](#)

Create a workflow template with the specified name.

Parameters:

- name - The template name.
- orgs - IDs of organizations in which the template is accessible.
- xml - Plugin data in xml form.
- transactionId - The ID of the transaction for transaction audit trailing.

Returns:

The ID of the new template.

Throws:

- `java.rmi.RemoteException` - if a communications error occurred.
- [WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator 2.0

See Also:

[createTemplate\(String,String,Collection\)](#)

getTemplate

```
public TemplateInfo getTemplate(java.lang.String templateID,  
                                boolean byName)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Return the specified workflow template.

Parameters:

- templateID - ID of the template to retrieve.
- byName - If true, the templateID parameter is the template's name rather than its ID.
- includeContent - If true, includes the XML containing the plugin-supplied template properties.
- parsePluginData - If true, parse the plugin-supplied template properties. This is necessary if the client wishes to call the [TemplateInfo.getPluginData\(\)](#) method on the result.

Returns:

The requested template object.

Throws:

- `java.rmi.RemoteException` - if a communications error occurred.
- [WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator 2.0

See Also:

[getTemplateDefinition\(java.lang.String\)](#)

getTemplates

```
public java.util.List getTemplates(java.lang.String orgID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the workflow templates for a specified organization.

Parameters:

- orgID - ID of the organization for which to retrieve templates.

Returns:

A list of [TemplateInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[createTemplate\(java.lang.String, java.util.Collection\)](#)

setTemplateNameOrgs

```
public void setTemplateNameOrgs(java.lang.String templateID,  
                                java.lang.String name,  
                                java.util.Collection orgs)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Deprecated. Use [setTemplateOrgs\(java.lang.String, java.util.Collection\)](#) and [updateTemplate\(com.bea.wlpi.common.TemplateInfo\)](#).

Specify which organizations have access to a workflow template.

Parameters:

`templateID` - ID of the template.

`name` - The template name.

`orgs` - Collection of organization IDs.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getTemplateOrgs\(java.lang.String\)](#)

setTemplateOrgs

```
public void setTemplateOrgs(java.lang.String templateID,  
                             java.util.Collection orgs)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Specify which organizations have access to a workflow template.

Parameters:

`templateID` - ID of the template.

`orgs` - Collection of organization IDs.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator 2.0

See Also:

[getTemplateOrgs\(java.lang.String\)](#)

updateTemplate

```
public void updateTemplate(TemplateInfo info)
    throws java.rmi.RemoteException,
           WorkflowException
```

Update a workflow template.

Parameters:

info - Template information.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator 2.0

See Also:

[setTemplateOrgs\(java.lang.String, java.util.Collection\)](#),

[getTemplateOrgs\(java.lang.String\)](#)

getTemplateOrgs

```
public java.util.List getTemplateOrgs(java.lang.String templateID)
    throws java.rmi.RemoteException,
           WorkflowException
```

List the organizations that have access to a workflow template.

Parameters:

templateID - ID of the template.

Returns:

A list of organization IDs.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[setTemplateNameOrgs\(java.lang.String, java.lang.String, java.util.Collection\)](#)

checkForTemplateInstances

```
public boolean checkForTemplateInstances(java.lang.String templateID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Check whether a workflow template has any instances.

Parameters:

templateID - ID of template for which to check instances.

Returns:

true - if instances exist.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[checkForTemplateDefinitionInstances\(java.lang.String\)](#)

deleteTemplate

```
public void deleteTemplate(java.lang.String templateID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete a workflow template. This method also deletes all definitions and instances thereof.

Parameters:

templateID - ID of template to delete.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[deleteTemplate\(java.lang.String\)](#)

lockTemplate

```
public void lockTemplate(java.lang.String templateID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Place a persistent write lock on a workflow template.

Parameters:

templateID - ID of template to lock.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[unlockTemplate\(java.lang.String\)](#), [getTemplateOwner\(java.lang.String\)](#)

unlockTemplate

```
public void unlockTemplate(java.lang.String templateID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Unlock a previously locked template.

Parameters:

templateID - The ID of the template to unlock.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the user submitting the request does not have a lock on the template or if an exception prevented the request from being completed

See Also:

[lockTemplate\(java.lang.String\)](#), [getTemplateOwner\(java.lang.String\)](#)

getTemplateOwner

```
public java.lang.String getTemplateOwner(java.lang.String templateID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Get the current owner of a workflow template.

Parameters:

templateID - The ID of the template for which to retrieve the owner.

Returns:

The The ID of the current template owner.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[lockTemplate\(java.lang.String\)](#), [unlockTemplate\(java.lang.String\)](#)

createTemplateDefinition

```
public java.lang.String createTemplateDefinition(java.lang.String templateID,  
                                                java.lang.String name,  
                                                java.lang.String xml)  
        throws java.rmi.RemoteException,  
               WorkflowException
```

Create a definition for a workflow template, using the name and content supplied.

Parameters:

templateID - ID of the template in which to create the definition.

name - Name for the new definition.

xml - XML-format process definition.

Returns:

The ID of the new template definition.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[createTemplate\(java.lang.String, java.util.Collection\)](#),

[getTemplateDefinitions\(java.lang.String\)](#), [setTemplateDefinitionContent\(java.lang.String, java.lang.String\)](#)

createTemplateDefinition

```
public java.lang.String createTemplateDefinition(java.lang.String templateId,  
                                                java.lang.String name,  
                                                java.lang.String xml,  
                                                java.lang.Object transactionId)  
        throws java.rmi.RemoteException,  
               WorkflowException
```

Create a definition for a workflow template, using the name and content supplied.

Parameters:

templateId - ID of the template in which to create the definition.

name - Name for the new definition.

xml - XML-format process definition.

transactionId - The ID of the transaction for transaction audit trailing.

Returns:

The ID of the new template definition.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator 2.0

See Also:

[createTemplateDefinition\(String, String, String\)](#)

getTemplateDefinition

```
public TemplateDefinitionInfo
```

```
getTemplateDefinition(java.lang.String templateDefinitionID)  
                        throws java.rmi.RemoteException,  
                        WorkflowException
```

Return the specified workflow template definition.

Parameters:

`templateDefinitionID` - ID of the template definition to retrieve.

`includeContent` - If true, includes the XML content of the template definition.

`parsePluginData` - If true, parse the plugin-supplied template definition properties. This is necessary if the client wishes to call the [TemplateDefinitionInfo.getPluginData\(\)](#) method on the result.

Returns:

The requested template definition object.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator 2.0

See Also:

[getTemplate\(java.lang.String, boolean\)](#)

getTemplateDefinitions

```
public java.util.List getTemplateDefinitions(java.lang.String templateID)  
                                                throws java.rmi.RemoteException,  
                                                WorkflowException
```

List the definitions for a workflow template.

Parameters:

`templateID` - ID of the template for which to retrieve the definitions.

Returns:

A list of [TemplateDefinitionInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[createTemplateDefinition\(java.lang.String, java.lang.String, java.lang.String\)](#)

checkForTemplateDefinitionInstances

```
public boolean
```

```
checkForTemplateDefinitionInstances(java.lang.String templateDefinitionID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Check whether the specified workflow template definition has any instances.

Parameters:

templateDefinitionID - ID of template definition to check.

Returns:

true - if instances exist.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[checkForTemplateInstances\(java.lang.String\)](#)

setTemplateDefinitionContent

```
public void setTemplateDefinitionContent(java.lang.String templateDefinitionID,  
    java.lang.String xml)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Set the content of a workflow template definition. The content (i.e., the business process definition) is expressed in XML format.

Parameters:

templateDefinitionID - ID of the template definition.

xml - Process definition (in XML format) compliant with the [workflow template](#) document type definition.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[createTemplateDefinition\(java.lang.String, java.lang.String, java.lang.String\)](#),
[getTemplateDefinitionContent\(java.lang.String\)](#)

getTemplateDefinitionContent

```
public java.lang.String getTemplateDefinitionContent(java.lang.String definitionId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Get the content of a workflow template definition. The content (i.e., the business process definition) is expressed in XML format.

Parameters:

templateDefinitionID - ID of the template definition.

Returns:

Process definition (in XML format) compliant with the [workflow template](#) document type definition.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[setTemplateDefinitionContent\(java.lang.String, java.lang.String\)](#)

deleteTemplateDefinition

```
public void deleteTemplateDefinition(java.lang.String templateDefinitionID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete a workflow template definition. This method also deletes all instances thereof.

Parameters:

templateDefinitionID - ID of the template definition to delete.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[deleteTemplateDefinition\(java.lang.String\)](#)

getTemplateInstances

```
public java.util.List getTemplateInstances(java.lang.String templateID,
    java.lang.String orgID,
    boolean bStarted,
    java.util.Date from,
    java.util.Date to,
    int start,
    int max)
    throws java.rmi.RemoteException,
           WorkflowException
```

List the instances of a workflow template in an organization.

Parameters:

templateID - The ID of the template.

orgID - The ID of the organization.

bStarted - Whether to query by start or completion date. If true, the query uses the instance start date; otherwise, the completion date is used.

from - Lower bound of date range to include.

to - Upper bound of date range to include.

start - Offset in results at which returned list starts. This enables clients to display long lists incrementally.

max - Maximum number of items to return. This enables clients to limit the number of items to a subset of what could potentially be an extremely long list.

Returns:

A list of [InstanceInfo](#) objects.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getTemplateDefinitionInstances\(java.lang.String, java.lang.String, boolean, java.util.Date, java.util.Date, int, int\)](#)

getTemplateDefinitionInstances

```
public java.util.List
getTemplateDefinitionInstances(java.lang.String templateDefinitionID,
    java.lang.String orgID,
    boolean bStarted,
```

```
java.util.Date from,  
java.util.Date to,  
int start,  
int max)  
throws java.rmi.RemoteException,  
WorkflowException
```

List the instances of a workflow template definition in an organization.

Parameters:

templateDefinitionID - The ID of the template definition.

orgID - The ID of the organization.

bStarted - Whether to query by start or completion date. If true, the query uses the instance start date; otherwise, the completion date is used.

from - Lower bound of date range to include.

to - Upper bound of date range to include.

start - Offset in results at which returned list starts. This enables clients to display long lists incrementally.

max - Maximum number of items to return. This enables clients to limit the number of items to a subset of what could potentially be an extremely long list.

Returns:

A list of [InstanceInfo](#) objects.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getTemplateInstances\(java.lang.String, java.lang.String, boolean, java.util.Date, java.util.Date, int, int\)](#)

getInstanceTasks

```
public java.util.List getInstanceTasks(java.lang.String instanceID)  
throws java.rmi.RemoteException,  
WorkflowException
```

List the tasks in a workflow instance.

Parameters:

instanceID - The ID of the workflow instance.

Returns:

A list of [TaskInfo](#) objects.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getInstanceVariables\(java.lang.String\)](#)

getInstanceVariables

```
public java.util.List getInstanceVariables(java.lang.String instanceID)  
throws java.rmi.RemoteException,  
WorkflowException
```

List the variables in a workflow instance.

Parameters:

instanceID - The ID of the workflow instance.

Returns:

A list of [VariableInfo](#) objects. The values of the variables are constrained according to their WebLogic Process Integrator variable types:

WLPI Type	Java Class/Interface
boolean	java.lang.Boolean
date	java.lang.Date
double	java.lang.Double
entity EJB	javax.ejb.Handle
integer	<p>java.lang.Integer or java.lang.Long. In versions of WebLogic Process Integrator prior to 2.0, integer type variables are stored as java.lang.Integer objects. WebLogic Process Integrator 2.0 stores new instances of such values using java.lang.Long objects. Existing instances may assign either java.lang.Integer or java.lang.Long values to their integer type variables, depending on the actual expression that was evaluated to generate the new value. A reference to an existing integer variable instance (e.g., \$MyExistingIntVariable) that has not yet been updated under WebLogic Process Integrator 2.0 will return a java.lang.Integer object, whereas an expression such as (4 + 5 * \$MyExistingIntVariable) will return a java.lang.Long object.</p> <p>Existing client programs that call this method and currently cast the result java.lang.Integer will need to be modified to test the value of an integer object and cast it either to java.lang.Integer or java.lang.Long as appropriate. Note that this incompatibility is not apparent until runtime: existing source code will continue to build without problems.</p> <p>The setInstanceVariable(java.lang.String, java.lang.String, java.lang.String, java.lang.Object) method expects to receive a java.lang.Long object.</p>
object	java.lang.Serializable
session EJB	javax.ejb.Handle
string	java.lang.String
plugin types	java.lang.Serializable
xml	<p>byte[]: this is the XML document text, encoded in UTF-8. Applications can either construct a java.lang.String, or a java.io.ByteArrayInputStream object on the byte array, depending on how they wish to use the XML document. Clients wishing to perform a DOM parse will need to specify an entity resolver if the XML document contains a DOCTYPE or other entity references. They can use com.bea.wlpi.client.common.WLPIEntityResolver if they wish to obtain the same resolution behavior as occurs in the Studio and server; which is, entities are resolved against the XML repository.</p>

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[setInstanceVariable\(java.lang.String, java.lang.String, java.lang.String, java.lang.Object\)](#), [getInstanceTasks\(java.lang.String\)](#)

setInstanceVariable

```
public void setInstanceVariable(java.lang.String templateDefinitionID,
                               java.lang.String instanceID,
                               java.lang.String variable,
                               java.lang.Object value)
                               throws java.rmi.RemoteException,
                               WorkflowException
```

Assign a value to a workflow instance variable.

Parameters:

templateDefinitionID - The ID of the workflow template definition.
instanceID - The ID of the workflow instance.
variable - Name of the variable to set.
value - Value to assign variable.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getInstanceVariables\(java.lang.String\)](#)

getPluginInstanceData

```
public java.lang.Object getPluginInstanceData(java.lang.String pluginName,  
                                              java.lang.String instanceID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Retrieve the plugin-supplied data associated with a workflow instance.

Parameters:

`pluginName` - The reverse-DNS name of the plugin.
`instanceID` - The ID of the workflow instance.

Returns:

The plugin-supplied instance data.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[setPluginInstanceData\(java.lang.String, java.lang.String, java.lang.Object\)](#)

setPluginInstanceData

```
public void setPluginInstanceData(java.lang.String pluginName,  
                                  java.lang.String instanceID,  
                                  java.lang.Object value)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Set the plugin-supplied data associated with a workflow instance.

Parameters:

`pluginName` - The reverse-DNS name of the plugin.
`instanceID` - The ID of the workflow instance.
`value` - The value to store.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getPluginInstanceData\(java.lang.String, java.lang.String\)](#)

deleteInstance

```
public void deleteInstance(java.lang.String instanceID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Delete a workflow instance.

Parameters:

instanceID - The ID of the workflow instance to delete.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[deleteTemplateInstances\(java.lang.String, java.lang.String, boolean, java.util.Date, java.util.Date\)](#), [deleteTemplateDefinitionInstances\(java.lang.String, java.lang.String, boolean, java.util.Date, java.util.Date\)](#)

deleteTemplateInstances

```
public void deleteTemplateInstances(java.lang.String templateID,
                                   java.lang.String orgID,
                                   boolean bStarted,
                                   java.util.Date from,
                                   java.util.Date to)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete instances of a workflow template in an organization.

Parameters:

templateID - The ID of the workflow template for which to delete instances.

orgID - The ID of the organization for which to delete instances.

bStarted - Whether to delete by start or completion date. If `true`, the query uses the instance start date; otherwise, the completion date is used.

from - Lower bound of date range to include.

to - Upper bound of date range to include.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[deleteInstance\(java.lang.String\)](#), [deleteTemplateDefinitionInstances\(java.lang.String, java.lang.String, boolean, java.util.Date, java.util.Date\)](#)

deleteTemplateDefinitionInstances

```
public void deleteTemplateDefinitionInstances(java.lang.String templateDefinitionID,
                                             java.lang.String orgID,
                                             boolean bStarted,
                                             java.util.Date from,
                                             java.util.Date to)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete instances of a workflow template definition in an organization.

Parameters:

templateDefinitionID - The ID of the workflow template definition for which to delete instances.

orgID - The ID of the organization for which to delete instances.

bStarted - Whether to delete by start or completion date. If `true`, the query uses the instance start date; otherwise, the completion date is used.

from - Lower bound of date range to include.

to - Upper bound of date range to include.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[deleteInstance\(java.lang.String\)](#), [deleteTemplateInstances\(java.lang.String, java.lang.String, boolean, java.util.Date, java.util.Date\)](#)

getTasks

```
public java.util.List getTasks(java.lang.String assigneeID,
                                java.lang.String orgID,
                                boolean role)
    throws java.rmi.RemoteException,
           WorkflowException
```

List the tasks assigned to a participant in an organization.

Parameters:

`assigneeId` - The ID of the assignee for which to list tasks.

`orgID` - The ID of the organization.

`role` - true if the assignee is a role, false if a user.

Returns:

A list of [TaskInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

taskMarkDone

```
public void taskMarkDone(java.lang.String templateDefinitionID,
                           java.lang.String instanceID,
                           java.lang.String taskID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Mark a task as complete. Calling this method results in the task's "completed" date being set to the current time and in the execution of any actions defined for the task's "completed" event.

Parameters:

`templateDefinitionID` - The ID of the workflow template definition.

`instanceID` - The ID of the workflow instance.

`taskID` - The ID of the task instance.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be marked complete or if an exception prevented the request from being completed.

See Also:

[taskUnmarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#)

taskUnmarkDone

```
public void taskUnmarkDone(java.lang.String templateDefinitionID,
                              java.lang.String instanceID,
                              java.lang.String taskID)
    throws java.rmi.RemoteException,
```

[WorkflowException](#)

Mark a task as incomplete. The default implementation clears the task's "completed" date but does **not** cause the execution of the actions defined for the task's "started" event.

Parameters:

templateDefinitionID - The ID of the workflow template definition.
instanceID - The ID of the workflow instance.
taskID - The ID of the task instance.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be marked incomplete or if an exception prevented the request from being completed.

See Also:

[taskMarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#)

taskAssign

```
public void taskAssign(java.lang.String templateDefinitionID,  
                        java.lang.String instanceID,  
                        java.lang.String taskID,  
                        java.lang.String assignTo,  
                        boolean bRole,  
                        boolean bLoadBalance)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Assign a task to a participant. The actual participant to whom the system assigns the task depends on: 1.) whether any task reroutes are currently in force for the nominated assignee and 2.) the value of the bLoadBalance argument.

Parameters:

templateDefinitionID - The ID of the workflow template definition.
instanceID - The ID of the workflow instance.
taskID - The ID of the task instance.
assigneeId - The ID of the participant to whom the task is to be assigned.
bRole - true if the assignee ID is that of a role, false if that of a user.
bLoadBalance - true to request the system to perform load-balancing within the specified role. This argument is ignored if the bRole argument is false.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be reassigned or if an exception prevented the request from being completed.

taskUnassign

```
public void taskUnassign(java.lang.String templateDefinitionID,  
                          java.lang.String instanceID,  
                          java.lang.String taskID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Unassign a task.

Parameters:

templateDefinitionID - The ID of the workflow template definition.
instanceID - The ID of the workflow instance.
taskID - The ID of the task instance.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be reassigned or if an exception prevented the request from being completed.

taskSetProperties

```
public void taskSetProperties(java.lang.String templateDefinitionID,  
                             java.lang.String instanceID,  
                             java.lang.String taskID,  
                             int priority,  
                             boolean doneWithoutDoit,  
                             boolean doitIfDone,  
                             boolean unmarkDone,  
                             boolean modify,  
                             boolean reassign)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Set the properties for a task instance.

Parameters:

`templateDefinitionID` - The ID of the workflow template definition.

`instanceID` - The ID of the workflow instance.

`taskID` - The ID of the task instance.

`priority` - Default task instance priority (0=low, 1=medium or 2=high).

`doneWithoutDoit` - true to permit a user to mark a task instance as complete (by calling the [taskMarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#) method).

`doitIfDone` - true to permit a user to execute a task instance after it has been marked as complete.

`unmarkDone` - true to permit a user to mark a task instance as incomplete (by calling the [taskUnmarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#) method).

`modify` - true to permit a user to modify a task instance's runtime properties (by calling this method).

`reassign` - true to permit a user to reassign a task instance to another participant (by calling the [taskAssign\(java.lang.String, java.lang.String, java.lang.String, java.lang.String, boolean, boolean\)](#) method).

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be modified or if an exception prevented the request from being completed

getBusinessOperations

```
public java.util.List getBusinessOperations()  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the currently defined business operations.

Returns:

A list of [ClassInvocationDescriptor](#) or [EJBInvocationDescriptor](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

getClassDescriptor

```
public ClassDescriptor getClassDescriptor(java.lang.String className)
                                     throws java.rmi.RemoteException,
                                             WorkflowException
```

Get a server side class descriptor.

Parameters:

className - Fully qualified Java class name for which to return a descriptor.

Returns:

Meta-data for the specified class.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

addBusinessOperation

```
public java.lang.String addBusinessOperation(ClassInvocationDescriptor descriptor)
                                     throws java.rmi.RemoteException,
                                             WorkflowException
```

Create a new business operation implemented by a Java class.

Parameters:

descriptor - Meta-data describing method invocation on the underlying Java class that implements the business operation.

Returns:

The ID of the new business operation.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[updateBusinessOperation\(String, ClassInvocationDescriptor\)](#),
[deleteBusinessOperation\(String\)](#)

updateBusinessOperation

```
public void updateBusinessOperation(java.lang.String busOpID,
                                     ClassInvocationDescriptor descriptor)
                                     throws java.rmi.RemoteException,
                                             WorkflowException
```

Update a business operation.

Parameters:

busOpID - The ID of the business operation to update.

descriptor - Meta-data describing method invocation on the underlying Java class that implements the business operation.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addBusinessOperation\(ClassInvocationDescriptor\)](#), [deleteBusinessOperation\(String\)](#)

addBusinessOperation

```
public java.lang.String addBusinessOperation(EJBInvocationDescriptor descriptor)  
                                             throws java.rmi.RemoteException,  
                                             WorkflowException
```

Create a new business operation implemented by an EJB.

Parameters:

`descriptor` - Meta-data describing method invocation on the underlying EJB that implements the business operation.

Returns:

The ID of the new business operation.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[updateBusinessOperation\(String, EJBInvocationDescriptor\)](#),

[deleteBusinessOperation\(String\)](#)

updateBusinessOperation

```
public void updateBusinessOperation(java.lang.String busOpID,  
                                     EJBInvocationDescriptor descriptor)  
                                     throws java.rmi.RemoteException,  
                                     WorkflowException
```

Update a business operation.

Parameters:

`busOpID` - The ID of the business operation to update.

`descriptor` - Meta-data describing method invocation on the underlying EJB that implements the business operation.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addBusinessOperation\(EJBInvocationDescriptor\)](#), [deleteBusinessOperation\(String\)](#)

deleteBusinessOperation

```
public void deleteBusinessOperation(java.lang.String busOpID)  
                                     throws java.rmi.RemoteException,  
                                     WorkflowException
```

Delete a business operation.

Parameters:

`busOpID` - The ID of the business operation to delete.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addBusinessOperation\(EJBInvocationDescriptor\)](#),

[addBusinessOperation\(ClassInvocationDescriptor\)](#)

getReroutes

```
public java.util.List getReroutes(java.lang.String orgID)
    throws java.rmi.RemoteException,
           WorkflowException
```

List the task reroutes defined within an organization.

Parameters:

orgID - The ID of the organization for which to list reroutes.

Returns:

A list of [RerouteInfo](#) objects.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

addReroute

```
public java.lang.String addReroute(java.lang.String orgID,
    java.lang.String from,
    java.lang.String to,
    int type,
    java.sql.Timestamp effective,
    java.sql.Timestamp expiry)
    throws java.rmi.RemoteException,
           WorkflowException
```

Create a new task reroute.

Parameters:

orgID - The ID of the organization to which reroute applies.
from - The ID of the assignee whose tasks are to be rerouted.
to - The ID of the participant to whom the rerouted tasks will be assigned.
type - Type of reroute: [TYPE_USER](#), [TYPE_USERINROLE](#) or [TYPE_ROLE](#)
effective - Date/time at which reroute becomes effective.
expiry - Date/time at which reroute ceases to be effective.

Returns:

The ID of the new Reroute object.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[updateReroute\(java.lang.String, java.lang.String, int, java.sql.Timestamp, java.sql.Timestamp\)](#), [deleteReroute\(java.lang.String\)](#)

updateReroute

```
public void updateReroute(java.lang.String rerouteID,
    java.lang.String to,
    int type,
    java.sql.Timestamp effective,
    java.sql.Timestamp expiry)
    throws java.rmi.RemoteException,
           WorkflowException
```

Update a task reroute.

Parameters:

`rerouteID` - The ID of the reroute to update.
`to` - The ID of the participant to whom the rerouted tasks will be assigned.
`type` - Type of reroute: [TYPE_USER](#), [TYPE_USERINROLE](#) or [TYPE_ROLE](#)
`effective` - Date/time at which reroute becomes effective.
`expiry` - Date/time at which reroute ceases to be effective.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addReroute\(java.lang.String, java.lang.String, java.lang.String, int, java.sql.Timestamp, java.sql.Timestamp\)](#), [deleteReroute\(java.lang.String\)](#)

updateReroute

```
public void updateReroute(java.lang.String rerouteID,  
                           java.lang.String from,  
                           java.lang.String to,  
                           int type,  
                           java.sql.Timestamp effective,  
                           java.sql.Timestamp expiry)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Update a task reroute.

Parameters:

`rerouteID` - The ID of the reroute to update.
`from` - The ID of the participant from whom the rerouted tasks will be reassigned.
`to` - The ID of the participant to whom the rerouted tasks will be assigned.
`type` - Type of reroute: [TYPE_USER](#), [TYPE_USERINROLE](#) or [TYPE_ROLE](#)
`effective` - Date/time at which reroute becomes effective.
`expiry` - Date/time at which reroute ceases to be effective.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

Since:

WebLogic Process Integrator version 1.2.

See Also:

[addReroute\(java.lang.String, java.lang.String, java.lang.String, int, java.sql.Timestamp, java.sql.Timestamp\)](#), [deleteReroute\(java.lang.String\)](#)

deleteReroute

```
public void deleteReroute(java.lang.String rerouteID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Delete a task reroute.

Parameters:

`rerouteID` - The ID of the reroute to delete.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addReroute\(java.lang.String, java.lang.String, java.lang.String, int, java.sql.Timestamp, java.sql.Timestamp\)](#), [updateReroute\(java.lang.String, java.lang.String, int, java.sql.Timestamp, java.sql.Timestamp\)](#)

getEventKeyInfo

```
public java.util.List getEventKeyInfo()  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the event keys defined within the workflow system.

Returns:

A list of [EventKeyInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

addEventKey

```
public void addEventKey(EventKeyInfo eventKeyInfo)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Create a new event key.

Parameters:

eventKeyInfo - Values for the new event key.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[updateEventKey\(com.bea.wlpi.common.EventKeyInfo\)](#),
[deleteEventKey\(com.bea.wlpi.common.EventKeyInfo\)](#)

updateEventKey

```
public void updateEventKey(EventKeyInfo eventKeyInfo)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Update an event key.

Parameters:

eventKeyInfo - Updated values for the event key.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addEventKey\(com.bea.wlpi.common.EventKeyInfo\)](#),
[deleteEventKey\(com.bea.wlpi.common.EventKeyInfo\)](#)

deleteEventKey

```
public void deleteEventKey(EventKeyInfo eventKeyInfo)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete an event key.

Parameters:

eventKeyInfo - The event key to delete.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addEventKey\(com.bea.wlpi.common.EventKeyInfo\)](#),

[updateEventKey\(com.bea.wlpi.common.EventKeyInfo\)](#)

workloadQuery

```
public java.lang.String workloadQuery(java.lang.String xml)
    throws java.rmi.RemoteException,
           WorkflowException
```

Run a workload query.

Parameters:

xml - The query specification, which must conform to the [workload query](#) document type definition.

Returns:

The workload report (in XML format) compliant with the [workload report](#) document type definition.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[statisticsQuery\(java.lang.String\)](#)

statisticsQuery

```
public java.lang.String statisticsQuery(java.lang.String xml)
    throws java.rmi.RemoteException,
           WorkflowException
```

Run a statistics query.

Parameters:

xml - The query specification, which must conform to the [statistics query](#) document type definition.

Returns:

The statistics report (in XML format) compliant with the [statistics report](#) document type definition.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[workloadQuery\(java.lang.String\)](#)

getAllBusinessCalendars

```
public java.util.List getAllBusinessCalendars(boolean includeDefinition)
    throws java.rmi.RemoteException,
           WorkflowException
```

List the business calendars defined in the workflow system.

Parameters:

`includeDefinition` - true to include the XML calendar specification in the returned objects.

Returns:

A list of [BusinessCalendarInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getBusinessCalendarDefinition\(java.lang.String\)](#)

addBusinessCalendar

```
public java.lang.String addBusinessCalendar(BusinessCalendarInfo calendarInfo)
    throws java.rmi.RemoteException,
           WorkflowException
```

Create a new business calendar.

Parameters:

`calendarInfo` - Values for the new business calendar.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[updateBusinessCalendar\(com.bea.wlpi.common.BusinessCalendarInfo\)](#),

[deleteBusinessCalendar\(java.lang.String\)](#)

updateBusinessCalendar

```
public void updateBusinessCalendar(BusinessCalendarInfo calendarInfo)
    throws java.rmi.RemoteException,
           WorkflowException
```

Update a business calendar.

Parameters:

`calendarInfo` - Updated values for the business calendar.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addBusinessCalendar\(com.bea.wlpi.common.BusinessCalendarInfo\)](#),

[deleteBusinessCalendar\(java.lang.String\)](#)

deleteBusinessCalendar

```
public void deleteBusinessCalendar(java.lang.String calendarID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete a business calendar.

Parameters:

calendarID - The ID of the business calendar to delete.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[addBusinessCalendar\(com.bea.wlpi.common.BusinessCalendarInfo\)](#),

[updateBusinessCalendar\(com.bea.wlpi.common.BusinessCalendarInfo\)](#)

getBusinessCalendarDefinition

```
public java.lang.String getBusinessCalendarDefinition(java.lang.String calendarID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Return the definition of a business calendar.

Parameters:

calendarID - The ID of the business calendar for which definition is required.

Returns:

The business calendar definition (in XML format) compliant with the [business calendar](#) document type definition.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getAllBusinessCalendars\(boolean\)](#)

getCallableWorkflows

```
public java.util.List getCallableWorkflows(java.lang.String orgID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Returns a List of workflows that can be called.

Parameters:

orgID - The ID of the organization for which to list workflows.

Returns:

A list of [TemplateInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the call from completing.

Since:

WebLogic Process Integrator version 1.2.

readPackage

```
public java.util.Map readPackage(byte[] pkg,  
                                java.lang.Object credential)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Reads a packaged workflow application, as created by the [exportPackage\(com.bea.wlpi.common.PublishPackage, java.lang.Object\)](#) method. This method can be called by design-time clients in order to display the contents of the package, to enable users to select the objects they wish to import.

Parameters:

- pkg - A byte array which is the image of a JAR file containing the exported objects.
- credential - An object containing the password if the package is password protected, null otherwise.

Returns:

A map of the objects in the package, keyed on the constants defined in the [Publishable](#) interface. The values in the map are heterogeneous java.util.List objects containing XxxInfo objects of a type to match the corresponding key:

Key	List element type
Publishable.TEMPLATE	TemplateInfo
Publishable.TEMPLATE_DEFINITION	TemplateDefinitionInfo
Publishable.BUSINESS_OPERATION	ClassInvocationDescriptor or EJBInvocationDescriptor
Publishable.BUSINESS_CALENDAR	BusinessCalendarInfo
Publishable.USER	UserInfo
Publishable.ROLE	RoleInfo
Publishable.ORG	OrganizationInfo
Publishable.XML_REPOSITORY_FOLDER	RepositoryFolderInfoHelper
Publishable.XML_REPOSITORY_ENTITY	XMLEntityInfoHelper
Publishable.EVENT_KEY	EventKeyInfo

Throws:

- java.rmi.RemoteException - if a communications error occurred.
- [WorkflowException](#) - if an exception prevented the call from completing or if the password is incorrect.

Since:

WebLogic Process Integrator 2.0

importPackage

```
public java.lang.String importPackage(byte[] pkg,  
                                       java.util.Map publishables,  
                                       java.lang.String orgID,  
                                       boolean activate,  
                                       java.lang.Object credential)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Import a package of publishable workflow objects specified by publishables.

Parameters:

- pkg - A byte array which is the image of a JAR file containing all exported objects.
- publishables - A Map with the following structure:
 - Map keys Publishable types as defined in com.bea.wlpi.common.Publishable.
 - Map values List of Objects of type com.bea.wlpi.common.PackageEntry
- orgID - The ID of the organization to which the package is being imported.
- activate - indicates whether the imported workflows should be activated on import or not.
- credential - An object containing the password if the package is password protected, null otherwise.

Returns:

A String containing a report about any issues such as unresolved references.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the call from completing or if the password is incorrect.

Since:

WebLogic Process Integrator 2.0

exportPackage

```
public byte[] exportPackage(PublishPackage publishPackage,  
                           java.lang.Object credential)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Exports a package of workflow objects specified by `publishPackage`.

Parameters:

`publishPackage` - An object of type `com.bea.wlpi.common.PublishPackage`, which contains the entries of type `com.bea.wlpi.common.PackageEntry` to be exported into the Jar package.

`credential` - An object containing the password if the package is password protected, null otherwise.

Returns:

A byte array which is the image of a JAR file containing all exported objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the call from completing.

Since:

WebLogic Process Integrator 2.0

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WebLogic Process Integrator Version

2.0

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com.bea.wlpi.server.plugin

Interface ActionContext

public interface **ActionContext**

Provides run-time context and services to plugin actions. The framework passes an instance of this interface to the [PluginAction.execute\(com.bea.wlpi.server.plugin.ActionContext, com.bea.wlpi.server.common.ExecutionContext\)](#) method.

Since:

WebLogic Process Integrator 2.0

See Also:[PluginAction](#), [ActionInfo](#)

Method Summary

int	executeSubActionList (int index, ExecutionContext context) Iterate through a list of sub-actions, executing each in turn.
java.lang.String	getActionId () Return the ID that uniquely identifies this action.
java.lang.String	instantiateWorkflow (ExecutionContext context, java.lang.String orgID, java.lang.String templateID, VariableInfo [] initialValues, java.util.Map pluginData) Create a new workflow instance.

Method Detail

executeSubActionList

```
public int executeSubActionList(int index,
                                ExecutionContext context)
    throws WorkflowException
```

Iterate through a list of sub-actions, executing each in turn. The index value identifies which

sub-action list to execute. If an exception occurs, invoke the current error handler.

Parameters:

`index` - The index of the sub-action list to execute. It equates to the index in the `classNames` member of the corresponding `ActionInfo`.

`context` - The execution context passed by the caller.

Returns:

Indicates whether (and how) to continue subsequent processing:

[ExecutionContext.CONTINUE](#) or [ExecutionContext.STOP](#). If the return value is other than `ExecutionContext.CONTINUE`, the caller *must* return immediately, passing on this return value.

Throws:

[WorkflowException](#) -

getActionId

```
public java.lang.String getActionId()
```

Return the ID that uniquely identifies this action. This ID is required to support asynchronously executed callbacks to plugin-defined actions: the ID must be passed to the

[Worklist.response\(java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#) method.

Returns:

String The action's unique ID.

instantiateWorkflow

```
public java.lang.String instantiateWorkflow(ExecutionContext context,  
                                             java.lang.String orgID,  
                                             java.lang.String templateID,  
                                             VariableInfo[] initialValues,  
                                             java.util.Map pluginData)  
                                             throws WorkflowException
```

Create a new workflow instance.

Parameters:

`context` - The execution context passed by the caller.

`orgID` - The ID of the organization in which to instantiate the workflow.

`templateID` - The ID of the workflow template to instantiate.

`initialValues` - Initial values for workflow variables.

`pluginData` - A collection of plugin-defined instance data. The map is keyed on plugin

name, and each element is a plugin-defined instance datum.

Returns:

A response string as described under [Worklist.taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#). The caller can perform a SAX parse of this XML document to obtain the instanceID and templateDefinitionID of the new instance.

Throws:

[WorkflowException](#) - if the workflow could not be instantiated.

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com.bea.wlpi.common

Class WorkflowException

```
java.lang.Object
|
+--java.lang.Throwable
    |
    +--java.lang.Exception
        |
        +--com.bea.wlpi.common.WorkflowException
```

All Implemented Interfaces:

java.io.Serializable

Direct Known Subclasses:

[EvaluatorException](#), [PluginException](#)

```
public class WorkflowException
```

```
extends java.lang.Exception
```

Encapsulates exceptions encountered when executing a remote EJB call. WorkflowException is thrown in 3 different situations:

1. On a system error (i.e., rethrown exception).
2. On a workflow error (i.e., illegal workflow situation such as an inconsistent state).
3. On a non-fatal workflow error.

WorkflowException has constructors that take a nested exception and others that take a message code to support internationalization of server exception messages.

See Also:

[Messages](#), [Serialized Form](#)

Field Summary

static int	ERROR_CUSTOM A custom error raised either by an application calling WorkflowProcessor.invokeWorkflowErrorHandler, or by a workflow executing the 'Invoke Error handler' action.
static int	ERROR_SYSTEM A fatal exception occurred while processing a user request.
static int	ERROR_UNKNOWN Unknown error type - internal use only.

static int	ERROR WORKFLOW A fatal, illegal condition such as inconsistent workflow state.
static int	WARNING WORKFLOW A non-fatal workflow condition that the user can rectify manually.

Constructor Summary

WorkflowException (java.lang.Exception e)	Construct a new WorkflowException containing a nested exception.
WorkflowException (java.lang.Exception e, int severity)	Construct a new WorkflowException containing a nested exception.
WorkflowException (java.lang.Exception e, int msgNum, int severity)	Construct a new WorkflowException containing a nested exception.
WorkflowException (java.lang.Exception e, int msgNum, java.lang.Object[] args)	Construct a new WorkflowException containing a nested exception.
WorkflowException (java.lang.Exception e, int msgNum, java.lang.Object[] args, int severity)	Construct a new WorkflowException containing a nested exception.
WorkflowException (int msgNum)	Construct a new WorkflowException with the specified error code.
WorkflowException (int msgNum, int severity)	Construct a new WorkflowException with the specified error code.
WorkflowException (int msgNum, java.lang.Object[] args)	Construct a new WorkflowException with the specified error code.
WorkflowException (int msgNum, java.lang.Object[] args, int severity)	Construct a new WorkflowException with the specified error code.
WorkflowException (int msgNum, java.lang.Object[] args, int severity, java.lang.String origin)	Construct a new WorkflowException with the specified error code.

Method Summary

java.lang.String	getLocalizedMessage () As for getMessage () but in the locale of the calling system.
static java.lang.String	getLocalizedMessage (int msgNum, java.lang.Object[] args) Create a localized message with parameter values substituted.
java.lang.String	getLocalizedSeverityDescription () Return a string to indicate the severity of the exception.

java.lang.String	<u>getMessage()</u> Return the error message string of this object.
int	<u>getMessageNumber()</u> Return the exception message number.
java.lang.Exception	<u>getNestedException()</u> Return the nested exception (null if none).
java.lang.String	<u>getOrigin()</u> Return the name of the workflow component from which this exception originated.
java.lang.Exception	<u>getOriginalException()</u> Return the original exception.
static java.lang.Exception	<u>getOriginalException(java.lang.Exception e)</u> Return the innermost nested exception.
int	<u>getSeverity()</u> Return the exception severity code.
java.lang.String	<u>getSeverityDescription()</u> Return a string to indicate the severity of the exception.
boolean	<u>isDeadlock()</u> Whether this exception resulted from a database deadlock.
static boolean	<u>isDeadlock(java.lang.Exception e)</u> Whether an exception resulted from a database deadlock.
void	<u>printStackTrace()</u> Print this exception and its backtrace to the standard error stream.
void	<u>printStackTrace(java.io.PrintStream stream)</u> Print this exception and its backtrace to the specified print stream.
void	<u>printStackTrace(java.io.PrintWriter writer)</u> Print this exception and its backtrace to the specified print writer.

Methods inherited from class java.lang.Throwable

fillInStackTrace, toString

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

ERROR_UNKNOWN

```
public static final int ERROR_UNKNOWN
```

Unknown error type - internal use only.

ERROR_SYSTEM

```
public static final int ERROR_SYSTEM
```

A fatal exception occurred while processing a user request.

ERROR_WORKFLOW

```
public static final int ERROR_WORKFLOW
```

A fatal, illegal condition such as inconsistent workflow state.

WARNING_WORKFLOW

```
public static final int WARNING_WORKFLOW
```

A non-fatal workflow condition that the user can rectify manually.

ERROR_CUSTOM

```
public static final int ERROR_CUSTOM
```

A custom error raised either by an application calling `WorkflowProcessor.invokeWorkflowErrorHandler`, or by a workflow executing the 'Invoke Error handler' action.

Constructor Detail

WorkflowException

```
public WorkflowException(java.lang.Exception e)
```

Construct a new `WorkflowException` containing a nested exception. The exception is of severity [ERROR_SYSTEM](#), unless the nested exception is of class `WorkflowException`, in which case the new

exception inherits its severity setting from the nested exception.

Parameters:

e - The nested exception (assumed to have been previously caught).

See Also:

[WorkflowException\(Exception, int\)](#)

WorkflowException

```
public WorkflowException(java.lang.Exception e,  
                          int severity)
```

Construct a new WorkflowException containing a nested exception.

Parameters:

e - The nested exception (assumed to have been previously caught).

severity - Error type: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#) or [WARNING_WORKFLOW](#).

See Also:

[WorkflowException\(Exception\)](#)

WorkflowException

```
public WorkflowException(java.lang.Exception e,  
                          int msgNum,  
                          int severity)
```

Construct a new WorkflowException containing a nested exception.

Parameters:

e - The nested exception (assumed to have been previously caught).

msgNum - Message number from [Messages](#).

severity - Error type: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#) or [WARNING_WORKFLOW](#).

See Also:

[WorkflowException\(Exception\)](#)

WorkflowException

```
public WorkflowException(java.lang.Exception e,  
                          int msgNum,  
                          java.lang.Object[] args)
```

Construct a new WorkflowException containing a nested exception.

Parameters:

e - The nested exception (assumed to have been previously caught).

msgNum - Message number from [Messages](#).

args - Arguments for substitution into localized message string.

See Also:

[WorkflowException\(Exception\)](#)

WorkflowException

```
public WorkflowException( java.lang.Exception e,  
                          int msgNum,  
                          java.lang.Object[] args,  
                          int severity)
```

Construct a new WorkflowException containing a nested exception.

Parameters:

e - The nested exception (assumed to have been previously caught).

msgNum - Message number from [Messages](#).

args - Arguments for substitution into localized message string.

severity - Error type: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#) or [WARNING_WORKFLOW](#).

See Also:

[WorkflowException\(Exception\)](#)

WorkflowException

```
public WorkflowException(int msgNum)
```

Construct a new WorkflowException with the specified error code. The exception is of severity [ERROR_WORKFLOW](#).

Parameters:

msgNum - Message number from [Messages](#).

WorkflowException

```
public WorkflowException(int msgNum,  
                          java.lang.Object[] args)
```

Construct a new WorkflowException with the specified error code. The exception is of severity [ERROR_WORKFLOW](#).

Parameters:

msgNum - Message number from [Messages](#).

args - Arguments for substitution into localized message string.

WorkflowException

```
public WorkflowException(int msgNum,  
                        int severity)
```

Construct a new WorkflowException with the specified error code.

Parameters:

msgNum - Message number from [Messages](#).

severity - Error type: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#) or [WARNING_WORKFLOW](#).

WorkflowException

```
public WorkflowException(int msgNum,  
                        java.lang.Object[] args,  
                        int severity)
```

Construct a new WorkflowException with the specified error code.

Parameters:

msgNum - Message number from [Messages](#).

args - Arguments for substitution into localized message string.

severity - Error type: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#) or [WARNING_WORKFLOW](#).

WorkflowException

```
public WorkflowException(int msgNum,  
                        java.lang.Object[] args,  
                        int severity,  
                        java.lang.String origin)
```

Construct a new WorkflowException with the specified error code.

Parameters:

msgNum - Message number from [Messages](#).

args - Arguments for substitution into localized message string.

severity - Error type: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#) or [WARNING_WORKFLOW](#).

origin - Name or label of workflow node in which error originated.

Since:

WebLogic Process Integrator version 1.2.

Method Detail

getMessage

```
public java.lang.String getMessage()
```

Return the error message string of this object. If this exception contains a nested exception, the message will be that of the nested exception. Otherwise, the message will be in the language of the system locale from which the exception was thrown.

Overrides:

getMessage in class java.lang.Throwable

Returns:

The error message string of this exception object if it was created with an error message string; or null if it was created with no error message.

getOrigin

```
public java.lang.String getOrigin()
```

Return the name of the workflow component from which this exception originated.

Since:

WebLogic Process Integrator version 1.2.

getMessageNumber

```
public int getMessageNumber()
```

Return the exception message number.

Returns:

Exception message number.

getLocalizedMessage

```
public java.lang.String getLocalizedMessage()
```

As for [getMessage\(\)](#) but in the locale of the calling system.

Overrides:

getLocalizedMessage in class java.lang.Throwable

Returns:

A localized message string if available; otherwise, in the locale of the system from which the exception was first thrown.

getNestedException

```
public java.lang.Exception getNestedException()
```

Return the nested exception (null if none).

Returns:

The nested exception.

getOriginalException

```
public java.lang.Exception getOriginalException()
```

Return the original exception.

Returns:

The original exception.

See Also:

[getOriginalException\(Exception\)](#)

getSeverity

```
public int getSeverity()
```

Return the exception severity code.

Returns:

Exception severity code: [ERROR_SYSTEM](#), [ERROR_WORKFLOW](#), [WARNING_WORKFLOW](#), [ERROR_UNKNOWN](#) or [ERROR_CUSTOM](#).

getSeverityDescription

```
public java.lang.String getSeverityDescription()
```

Return a string to indicate the severity of the exception. This will be either "System error", "Workflow error", "Workflow warning" or "Unknown error".

See Also:

[getLocalizedSeverityDescription\(\)](#)

getLocalizedSeverityDescription

```
public java.lang.String getLocalizedSeverityDescription()
```

Return a string to indicate the severity of the exception. This will be either "System error", "Workflow error", "Workflow warning" or "Unknown error", expressed in the

language of the system locale on which the method is called.

See Also:

[getSeverityDescription\(\)](#)

isDeadlock

public boolean **isDeadlock**()

Whether this exception resulted from a database deadlock.

Returns:

true if the original problem was a database deadlock.

Since:

WebLogic Process Integrator version 1.2.

See Also:

[isDeadlock\(Exception\)](#)

printStackTrace

public void **printStackTrace**()

Print this exception and its backtrace to the standard error stream. This method prints a stack trace for this object on the error output stream that is the value of the field `System.err`. The first line of output contains the result of the `toString()` method for this object. The remaining lines represent data previously recorded by the method `fillInStackTrace()`. If this exception contains a nested exception, the stack trace for this exception is printed as well.

Overrides:

`printStackTrace` in class `java.lang.Throwable`

printStackTrace

public void **printStackTrace**(java.io.PrintStream stream)

Print this exception and its backtrace to the specified print stream.

Overrides:

`printStackTrace` in class `java.lang.Throwable`

Parameters:

`stream` - PrintStream to use for output.

printStackTrace

```
public void printStackTrace(java.io.PrintWriter writer)
```

Print this exception and its backtrace to the specified print writer.

Overrides:

printStackTrace in class java.lang.Throwable

Parameters:

stream - PrintWriter to use for output.

getLocalizedMessage

```
public static java.lang.String getLocalizedMessage(int msgNum,  
                                                    java.lang.Object[] args)
```

Create a localized message with parameter values substituted.

Parameters:

msgNum - Message number from [Messages](#).

args - Arguments for substitution into localized message string.

Returns:

The localized message string.

getOriginalException

```
public static java.lang.Exception getOriginalException(java.lang.Exception e)
```

Return the innermost nested exception. The method takes account of the following exception classes that can contain a nested exception: com.bea.wlpi.common.WorkflowException, java.rmi.RemoteException, javax.ejb.EJBException, weblogic.utils.NestedThrowable.

Parameters:

e - The outermost exception.

Returns:

The innermost nested exception.

isDeadlock

```
public static boolean isDeadlock(java.lang.Exception e)
```

Whether an exception resulted from a database deadlock. The method calls [getOriginalException\(\)](#) to retrieve the original exception (it may have been wrapped and re-thrown multiple times before being caught by the client). If the original exception is an instance of java.sql.SQLException, the implementation calls the getSQLState() method to determine whether the original problem was a

database deadlock (i.e., SQLSTATE="40001").

Returns:

true if the original problem was a database deadlock.

Since:

WebLogic Process Integrator version 1.2.

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

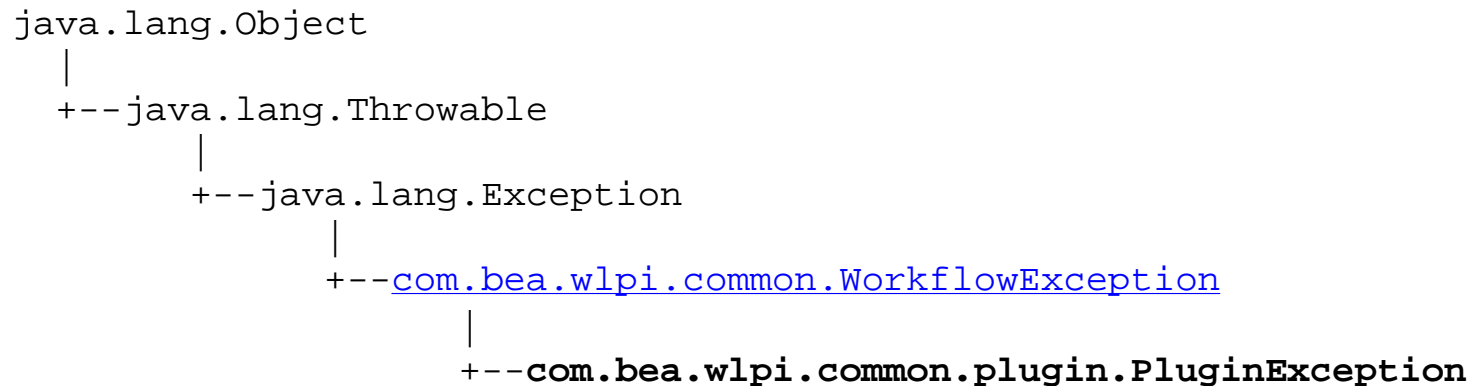
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com.bea.wlpi.common.plugin

Class PluginException



All Implemented Interfaces:

java.io.Serializable

public class **PluginException**

extends [WorkflowException](#)

Exception class thrown by plugins and the Plugin Manager.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from class com.bea.wlpi.common.[WorkflowException](#)

[ERROR_CUSTOM](#), [ERROR_SYSTEM](#), [ERROR_UNKNOWN](#), [ERROR_WORKFLOW](#),
[WARNING_WORKFLOW](#)

Constructor Summary

[PluginException](#)(java.lang.Exception e)

Create a new PluginException to wrap another exception.

[PluginException](#)(int msgNum, java.lang.Object[] args)

Create a new PluginException.

```
PluginException(java.lang.String pluginName,  
java.lang.String message)  
Create a new PluginException.
```

Methods inherited from class com.bea.wlpi.common.[WorkflowException](#)

```
getLocalizedMessage, getLocalizedMessage,  
getLocalizedSeverityDescription, getMessage, getMessageNumber,  
getNestedException, getOrigin, getOriginalException,  
getOriginalException, getSeverity, getSeverityDescription,  
isDeadlock, isDeadlock, printStackTrace, printStackTrace,  
printStackTrace
```

Methods inherited from class java.lang.Throwable

```
fillInStackTrace, toString
```

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait,  
wait, wait
```

Constructor Detail

PluginException

```
public PluginException(java.lang.String pluginName,  
java.lang.String message)
```

Create a new PluginException.

Parameters:

pluginName - The reverse-DNS name of the plugin throwing the exception.

message - The message text, localized to the locale of the thrower.

PluginException

```
public PluginException(int msgNum,  
java.lang.Object[] args)
```

Create a new `PluginException`.

Parameters:

`msgNum` - The message number as defined in [Messages](#).

`args` - Optional parameter values for use in messages that contain parameter markers.

PluginException

```
public PluginException(java.lang.Exception e)
```

Create a new `PluginException` to wrap another exception.

Parameters:

`e` - The exception to wrap.

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common.plugin

Interface PluginConstants

All Known Implementing Classes:[InfoObject](#), [PluginConfiguration](#)public interface **PluginConstants**

Defines various constants used by the plugin framework.

Since:

WebLogic Process Integrator 2.0

Field Summary

static int	CATEGORY_ID_BEGIN System assigned plugin category IDs start here.
static int	CATEGORY_ID_EXCEPTION Category ID for exception handling actions.
static int	CATEGORY_ID_INTEGRATION Category ID for integration actions.
static int	CATEGORY_ID_MISCELLANEOUS Category ID for miscellaneous actions.
static int	CATEGORY_ID_NEW Category ID for new plugin-defined categories.
static int	CATEGORY_ID_TASK Category ID for task related actions.
static int	CATEGORY_ID_WORKFLOW Category ID for workflow related actions.
static int	DEFINITION_CREATED Notification event raised when a template definition is created.
static int	DEFINITION_DELETED Notification event raised when a template definition is deleted.
static int	DEFINITION_UPDATED Notification event raised when a template definition is updated.

static int	<u>EVENT_NOTIFICATION_ALL</u> Bitmask value used to register for all notifications in a category.
static int	<u>EVENT_NOTIFICATION_NONE</u> Bitmask value used to register for no notifications in a category.
static int	<u>HELP_HTML</u> Signifies standard HTML help.
static int	<u>HELP_JAVA_HELP</u> Signifies a JavaHelp HelpSet.
static int	<u>INSTANCE_ABORTED</u> Notification event raised when a workflow instance is aborted.
static int	<u>INSTANCE_COMPLETED</u> Notification event raised when a workflow instance is completed.
static int	<u>INSTANCE_CREATED</u> Notification event raised when a workflow instance is created.
static int	<u>INSTANCE_DELETED</u> Notification event raised when a workflow instance is deleted.
static int	<u>INSTANCE_UPDATED</u> Notification event raised when a workflow instance is saved.
static int	<u>MODE_AUTOMATIC</u> The Plugin Manager automatically starts this plugin on system startup.
static int	<u>MODE_DISABLED</u> The plugin is disabled and cannot be started.
static int	<u>MODE_MANUAL</u> A user must manually start this plugin.
static int	<u>NOTIFICATION_DEFINITION</u> Signifies a template definition notification.
static int	<u>NOTIFICATION_INSTANCE</u> Signifies a workflow instance notification.
static int	<u>NOTIFICATION_TASK</u> Signifies a task notification.
static int	<u>NOTIFICATION_TEMPLATE</u> Signifies a template notification.
static int	<u>STATUS_DEPLOYED</u> The plugin has been deployed but not initialized.
static int	<u>STATUS_ERROR</u> The plugin threw an exception when called, or requires a later version of the framework.

static int	<u>STATUS_INITIALIZED</u> The plugin has been initialized but not loaded.
static int	<u>STATUS_LOADED</u> The plugin has been loaded.
static int	<u>STATUS_LOADING</u> The plugin is being loaded.
static int	<u>STATUS_MISSING</u> The plugin has a registered configuration, but the plugin itself is not deployed.
static int	<u>STATUS_UNLOADING</u> The plugin is being unloaded.
static int	<u>TASK_ASSIGNED</u> Notification event raised when a task instance is assigned.
static int	<u>TASK_COMPLETED</u> Notification event raised when a task instance is completed.
static int	<u>TASK_EXECUTED</u> Notification event raised when a task instance is executed.
static int	<u>TASK_OVERDUE</u> Notification event raised when a task instance is overdue.
static int	<u>TASK_STARTED</u> Notification event raised when a task instance is started.
static int	<u>TASK_UNASSIGNED</u> Notification event raised when a task instance is unassigned.
static int	<u>TASK_UNMARKED_DONE</u> Notification event raised when a task instance is marked incomplete.
static int	<u>TASK_UPDATED</u> Notification event raised when a task's properties are updated.
static int	<u>TEMPLATE_CREATED</u> Notification event raised when a template is created.
static int	<u>TEMPLATE_DELETED</u> Notification event raised when a template is deleted.
static int	<u>TEMPLATE_UPDATED</u> Notification event raised when a template is updated.
static int	<u>TYPE_ACTION_INFO</u> Used to retrieve a specific ActionInfo object.
static int	<u>TYPE_CONFIGURATION_INFO</u> Used to retrieve a specific ConfigurationInfo object.

static int	<u>TYPE_DONE_INFO</u> Used to retrieve a specific DoneInfo object.
static int	<u>TYPE_EVENT_HANDLER_INFO</u> Used to retrieve a specific EventHandlerInfo object.
static int	<u>TYPE_EVENT_INFO</u> Used to retrieve a specific EventInfo object.
static int	<u>TYPE_FIELD_INFO</u> Used to retrieve a specific FieldInfo object.
static int	<u>TYPE_FUNCTION_INFO</u> Used to retrieve a specific FunctionInfo object.
static int	<u>TYPE_HELP_SET_INFO</u> Used to retrieve a specific HelpSetInfo object.
static int	<u>TYPE_START_INFO</u> Used to retrieve a specific StartInfo object.
static int	<u>TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO</u> Used to retrieve a specific TemplateDefinitionPropertiesInfo object.
static int	<u>TYPE_TEMPLATE_PROPERTIES_INFO</u> Used to retrieve a specific TemplatePropertiesInfo object.
static int	<u>TYPE_VARIABLE_TYPE_INFO</u> Used to retrieve a specific VariableTypeInfo object.

Field Detail

MODE_DISABLED

```
public static final int MODE_DISABLED
```

The plugin is disabled and cannot be started.

MODE_AUTOMATIC

```
public static final int MODE_AUTOMATIC
```

The Plugin Manager automatically starts this plugin on system startup.

MODE_MANUAL

```
public static final int MODE_MANUAL
```

A user must manually start this plugin. The plugin manager will also load the plugin when loading another plugin that declares a dependency on this one.

STATUS_MISSING

```
public static final int STATUS_MISSING
```

The plugin has a registered configuration, but the plugin itself is not deployed.

STATUS_ERROR

```
public static final int STATUS_ERROR
```

The plugin threw an exception when called, or requires a later version of the framework.

STATUS_DEPLOYED

```
public static final int STATUS_DEPLOYED
```

The plugin has been deployed but not initialized.

STATUS_INITIALIZED

```
public static final int STATUS_INITIALIZED
```

The plugin has been initialized but not loaded.

STATUS_UNLOADING

```
public static final int STATUS_UNLOADING
```

The plugin is being unloaded.

STATUS_LOADING

```
public static final int STATUS_LOADING
    The plugin is being loaded.
```

STATUS_LOADED

```
public static final int STATUS_LOADED
    The plugin has been loaded.
```

CATEGORY_ID_NEW

```
public static final int CATEGORY_ID_NEW
    Category ID for new plugin-defined categories.
```

CATEGORY_ID_TASK

```
public static final int CATEGORY_ID_TASK
    Category ID for task related actions.
```

CATEGORY_ID_WORKFLOW

```
public static final int CATEGORY_ID_WORKFLOW
    Category ID for workflow related actions.
```

CATEGORY_ID_INTEGRATION

```
public static final int CATEGORY_ID_INTEGRATION
    Category ID for integration actions.
```

CATEGORY_ID_MISCELLANEOUS

```
public static final int CATEGORY_ID_MISCELLANEOUS
    Category ID for miscellaneous actions.
```

CATEGORY_ID_EXCEPTION

```
public static final int CATEGORY_ID_EXCEPTION
    Category ID for exception handling actions.
```

CATEGORY_ID_BEGIN

```
public static final int CATEGORY_ID_BEGIN
    System assigned plugin category IDs start here.
```

TYPE_ACTION_INFO

```
public static final int TYPE_ACTION_INFO
    Used to retrieve a specific ActionInfo object.
```

TYPE_CONFIGURATION_INFO

```
public static final int TYPE_CONFIGURATION_INFO
    Used to retrieve a specific ConfigurationInfo object.
```

TYPE_TEMPLATE_PROPERTIES_INFO

```
public static final int TYPE_TEMPLATE_PROPERTIES_INFO
    Used to retrieve a specific TemplatePropertiesInfo object.
```

TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO

public static final int **TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO**
Used to retrieve a specific [TemplateDefinitionPropertiesInfo](#) object.

TYPE_START_INFO

public static final int **TYPE_START_INFO**
Used to retrieve a specific [StartInfo](#) object.

TYPE_DONE_INFO

public static final int **TYPE_DONE_INFO**
Used to retrieve a specific [DoneInfo](#) object.

TYPE_EVENT_INFO

public static final int **TYPE_EVENT_INFO**
Used to retrieve a specific [EventInfo](#) object.

TYPE_EVENT_HANDLER_INFO

public static final int **TYPE_EVENT_HANDLER_INFO**
Used to retrieve a specific [EventHandlerInfo](#) object.

TYPE_FIELD_INFO

public static final int **TYPE_FIELD_INFO**
Used to retrieve a specific [FieldInfo](#) object.

TYPE_FUNCTION_INFO

```
public static final int TYPE_FUNCTION_INFO
```

Used to retrieve a specific [FunctionInfo](#) object.

TYPE_VARIABLE_TYPE_INFO

```
public static final int TYPE_VARIABLE_TYPE_INFO
```

Used to retrieve a specific [VariableTypeInfo](#) object.

TYPE_HELP_SET_INFO

```
public static final int TYPE_HELP_SET_INFO
```

Used to retrieve a specific `HelpSetInfo` object.

HELP_HTML

```
public static final int HELP_HTML
```

Signifies standard HTML help. @see `HelpSetInfo`

HELP_JAVA_HELP

```
public static final int HELP_JAVA_HELP
```

Signifies a `JavaHelp` `HelpSet`. @see `HelpSetInfo`

NOTIFICATION_TEMPLATE

```
public static final int NOTIFICATION_TEMPLATE
```

Signifies a template notification.

NOTIFICATION_DEFINITION

```
public static final int NOTIFICATION_DEFINITION  
    Signifies a template definition notification.
```

NOTIFICATION_INSTANCE

```
public static final int NOTIFICATION_INSTANCE  
    Signifies a workflow instance notification.
```

NOTIFICATION_TASK

```
public static final int NOTIFICATION_TASK  
    Signifies a task notification.
```

EVENT_NOTIFICATION_NONE

```
public static final int EVENT_NOTIFICATION_NONE  
    Bitmask value used to register for no notifications in a category.
```

EVENT_NOTIFICATION_ALL

```
public static final int EVENT_NOTIFICATION_ALL  
    Bitmask value used to register for all notifications in a category.
```

TEMPLATE_CREATED

```
public static final int TEMPLATE_CREATED  
    Notification event raised when a template is created.
```

TEMPLATE_UPDATED

```
public static final int TEMPLATE_UPDATED  
    Notification event raised when a template is updated.
```

TEMPLATE_DELETED

```
public static final int TEMPLATE_DELETED  
    Notification event raised when a template is deleted.
```

DEFINITION_CREATED

```
public static final int DEFINITION_CREATED  
    Notification event raised when a template definition is created.
```

DEFINITION_UPDATED

```
public static final int DEFINITION_UPDATED  
    Notification event raised when a template definition is updated.
```

DEFINITION_DELETED

```
public static final int DEFINITION_DELETED  
    Notification event raised when a template definition is deleted.
```

INSTANCE_CREATED

```
public static final int INSTANCE_CREATED  
    Notification event raised when a workflow instance is created.
```

INSTANCE_COMPLETED

```
public static final int INSTANCE_COMPLETED
```

Notification event raised when a workflow instance is completed.

INSTANCE_UPDATED

```
public static final int INSTANCE_UPDATED
```

Notification event raised when a workflow instance is saved.

INSTANCE_ABORTED

```
public static final int INSTANCE_ABORTED
```

Notification event raised when a workflow instance is aborted.

INSTANCE_DELETED

```
public static final int INSTANCE_DELETED
```

Notification event raised when a workflow instance is deleted.

TASK_STARTED

```
public static final int TASK_STARTED
```

Notification event raised when a task instance is started.

TASK_EXECUTED

```
public static final int TASK_EXECUTED
```

Notification event raised when a task instance is executed.

TASK_COMPLETED

```
public static final int TASK_COMPLETED
```

Notification event raised when a task instance is completed.

TASK_UNMARKED_DONE

```
public static final int TASK_UNMARKED_DONE
```

Notification event raised when a task instance is marked incomplete.

TASK_OVERDUE

```
public static final int TASK_OVERDUE
```

Notification event raised when a task instance is overdue.

TASK_ASSIGNED

```
public static final int TASK_ASSIGNED
```

Notification event raised when a task instance is assigned.

TASK_UNASSIGNED

```
public static final int TASK_UNASSIGNED
```

Notification event raised when a task instance is unassigned.

TASK_UPDATED

```
public static final int TASK_UPDATED
```

Notification event raised when a task's properties are updated.

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com.bea.wlpi.common.plugin

Interface PluginActionData

All Superinterfaces:

java.lang.Cloneable, org.xml.sax.ContentHandler, [PluginData](#), [PluginObject](#), java.io.Serializable

public interface **PluginActionData**

extends [PluginData](#)

Interface to allow plugins to load and store plugin action data in XML format.

Since:

WebLogic Process Integrator 2.0

See Also:

[ActionInfo](#), [PluginAction](#)

Method Summary

java.lang.String	getLabel ()
------------------	------------------------------

Return the formatted label of this plugin action, which will be displayed in the action list.

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginData](#)

[clone](#), [getPrintableData](#), [getReferencedPublishables](#), [save](#)

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

[characters](#), [endDocument](#), [endElement](#), [endPrefixMapping](#), [ignorableWhitespace](#), [processingInstruction](#), [setDocumentLocator](#), [skippedEntity](#), [startDocument](#), [startElement](#), [startPrefixMapping](#)

Method Detail

getLabel

```
public java.lang.String getLabel()
```

Return the formatted label of this plugin action, which will be displayed in the action list.

Returns:

The localized, formatted action label.

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com.bea.wlpi.common.plugin

Interface PluginData

All Superinterfaces:

java.lang.Cloneable, org.xml.sax.ContentHandler, [PluginObject](#), java.io.Serializable

All Known Subinterfaces:

[PluginActionData](#)public interface **PluginData**extends java.lang.Cloneable, [PluginObject](#)

Interface to allow plugins to load and store data in XML format. Implementations classes must be cloneable (in order to support cut and paste operations in design-time clients).

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginObject](#)

Method Summary

java.lang.Object	clone () Clone the plugin data.
java.lang.String	getPrintableData () Return a printable description of the plugin data.
java.util.List	getReferencedPublishables (java.util.Map publishables) Query the plugin for references it holds to publishable objects.
void	save (XMLWriter writer, int indent) Instruct the plugin to store its data in an XML document.

Methods inherited from interface com.bea.wlpi.common.plugin.[PluginObject](#)

[load](#)

Methods inherited from interface org.xml.sax.ContentHandler

```
characters, endDocument, endElement, endPrefixMapping,
ignorableWhitespace, processingInstruction, setDocumentLocator,
skippedEntity, startDocument, startElement, startPrefixMapping
```

Method Detail

save

```
public void save(XMLWriter writer,
                 int indent)
    throws java.io.IOException
```

Instruct the plugin to store its data in an XML document. The plugin framework calls this method when it encounters a plugin-supplied datum while storing a template, template definition, or plugin configuration.

Parameters:

`writer` - The plugin serializes its data to XML using this object.

`indent` - The current indentation level. The plugin should use this value to create a correctly indented XML document. The standard indentation increment is two spaces.

getReferencedPublishables

```
public java.util.List getReferencedPublishables(java.util.Map publishables)
```

Query the plugin for references it holds to publishable objects. This enables design-time clients to package a workflow definition together with all its dependencies, so that the resulting package can be imported and run without the need for manual intervention. Publishable objects include: templates, template definitions, business calendars, business operations, event keys, repository items. Plugins that hold references to such objects must declare them when this method is called. The user creating an export package can then specify which of these referenced items is to be included in the package.

Parameters:

`publishables` - A map of all publishable objects, keyed on the constants defined in the [Publishable](#) interface. The values in the map are homogenous `java.util.List` objects containing `XxxInfo` objects of a type to match their corresponding key:

Key	List element type
Publishable.TEMPLATE	TemplateInfo
Publishable.TEMPLATE_DEFINITION	TemplateDefinitionInfo
Publishable.BUSINESS_OPERATION	ClassInvocationDescriptor or EJBInvocationDescriptor
Publishable.BUSINESS_CALENDAR	BusinessCalendarInfo
Publishable.USER	UserInfo
Publishable.ROLE	RoleInfo

Publishable.ORG	OrganizationInfo
Publishable.XML_REPOSITORY_FOLDER	RepositoryFolderInfoHelper
Publishable.XML_REPOSITORY_ENTITY	XMLEntityInfoHelper
Publishable.EVENT_KEY	EventKeyInfo

The plugin should add the appropriate objects in these lists to the returned list, because the design-time client expects a list of references to the actual objects contained within the `publishables` parameter.

Returns:

A list of [Publishable](#) objects referenced by the plugin.

getPrintableData

```
public java.lang.String getPrintableData()
```

Return a printable description of the plugin data. This is typically for inclusion in a `TemplateDefinition` printout.

Returns:

The printable description.

clone

```
public java.lang.Object clone()
```

Clone the plugin data. The implementation method must return a deep (recursive) copy of the graph for this object.

Overrides:

`clone` in class `java.lang.Object`

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

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Interface PluginField

All Superinterfaces:

java.io.Serializable

public interface **PluginField**

extends java.io.Serializable

The interface that a plugin has to implement to define a new field. Fields are used by the expression evaluator to extract information from an incoming `EventData` object.

Since:

WebLogic Process Integrator 2.0

See Also:

[FieldInfo](#)

Method Summary

java.lang.Object	evaluate (EvaluationContext context) Evaluate the field.
void	init (java.lang.String name, java.lang.String eventDescriptor) Set the name and event descriptor associated with this field.
void	setQualifier (PluginField qualifier) Set the field qualifier.

Method Detail

init

```
public void init(java.lang.String name,  
                 java.lang.String eventDescriptor)  
    throws PluginException
```

Set the name and event descriptor associated with this field. This method provides plugin fields the

opportunity to access external data dictionary information to retrieve column details to be saved as part of the compiled expression.

Parameters:

name - The field name.

eventDescriptor - The event descriptor.

Throws:

[PluginException](#) - if the field is unable to initialize itself.

setQualifier

```
public void setQualifier(PluginField qualifier)  
    throws PluginException
```

Set the field qualifier. This method is called when the expression parser encounters a qualified field reference; it provides plugin fields the opportunity to access external data dictionary information to retrieve column details to be saved as part of the compiled expression.

Parameters:

qualifier - The field qualifier, of the same class as this object.

Throws:

[PluginException](#) - if the qualifier is invalid, for example.

evaluate

```
public java.lang.Object evaluate(EvaluationContext context)  
    throws PluginException
```

Evaluate the field. The expression evaluator calls this method when it needs to retrieve the value of the field referenced by this object from the event datum contained within the context parameter. The plugin field must take account of any [field qualifiers](#) it has when calculating its value.

Parameters:

context - The evaluation context. The plugin field can call the the [EvaluationContext.getEventData\(\)](#) to access the event datum.

Returns:

The result of evaluating this field against the event data contained in the context parameter.

Throws:

[PluginException](#) - if an exception occurs during field evaluation.

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Interface PluginFunction

All Superinterfaces:

java.io.Serializable

public interface **PluginFunction**

extends java.io.Serializable

The interface that a plugin must implement to define a new evaluator function.

Since:

WebLogic Process Integrator 2.0

See Also:

[FunctionInfo](#)

Method Summary

java.lang.Object	evaluate (EvaluationContext context, java.lang.Object[] args) Evaluate the function.
------------------	---

Method Detail

evaluate

```
public java.lang.Object evaluate(EvaluationContext context,  
                                   java.lang.Object[] args)  
    throws PluginException
```

Evaluate the function. The expression evaluator calls this method when it needs to evaluate this function call. The plugin function can calculate its return value from the contextual information supplied via the `context` parameter, which enables access to event data and workflow instance state (where appropriate).

Parameters:

`context` - The evaluation context.

`args` - An array of actual parameter values. These are all pre-calculated by evaluating the expressions that represent the function's arguments in the source expression.

Returns:

The result of evaluating this function against the data contained in the `context` parameter.

Throws:

[PluginException](#) -

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Interface PluginObject

All Superinterfaces:

[org.xml.sax.ContentHandler](#), [java.io.Serializable](#)

All Known Subinterfaces:

[PluginAction](#), [PluginActionData](#), [PluginData](#), [PluginDone](#), [PluginEvent](#), [PluginStart](#),
[PluginTemplateNode](#)

public interface **PluginObject**

extends [org.xml.sax.ContentHandler](#), [java.io.Serializable](#)

Interface to allow plugins to load data in XML format.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginData](#)

Method Summary

void [load](#)([org.xml.sax.XMLReader](#) parser)

Notifies a plugin supplied object to prepare to load its data from an XML template definition.

Methods inherited from interface [org.xml.sax.ContentHandler](#)

[characters](#), [endDocument](#), [endElement](#), [endPrefixMapping](#),
[ignorableWhitespace](#), [processingInstruction](#), [setDocumentLocator](#),
[skippedEntity](#), [startDocument](#), [startElement](#), [startPrefixMapping](#)

Method Detail

load

```
public void load(org.xml.sax.XMLReader parser)
```

Notifies a plugin supplied object to prepare to load its data from an XML template definition. The plugin framework calls this method when it encounters a plugin-supplied section (i.e., a `plugin-data` element) in an XML document such as a template, template definition, or plugin configuration document.

When this method is called the framework has already set the plugin as the parser's content handler. The next call to the content handler will be `startElement` for the `plugin-data` element itself, and the last will be `endElement` for the `plugin-data`. The content handler uses the intervening SAX notifications to store the plugin-specific data.

Parameters:

`parser` - The plugin can save this value if it needs to use multiple content handlers while parsing its data. It would achieve this by calling `setContentHandler` on the `parser` object.

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Interface PluginPanelContext

public interface **PluginPanelContext**

Interface to allow plugins access to design-time context and services. This includes plugin-defined template and template definition data, and services to launch the expression builder, validate and manipulate expressions, and to invoke the 'add variable' dialog. Not all methods are applicable in all dialog contexts - if a plugin panel invokes a method in an invalid context, that method throws a `java.lang.UnsupportedOperationException`.

Since:

WebLogic Process Integrator 2.0

See Also:[PluginPanel](#)

Method Summary

VariableInfo	checkVariable (<code>java.lang.String name</code> , <code>java.lang.String[] validTypes</code>) Check to see if a variable exists.
<code>javax.naming.Context</code>	getInitialContext () Return the design-time client application's JNDI context.
PluginData	getPluginTemplateData (<code>java.lang.String pluginName</code>) Retrieve the plugin defined data for the associated template.
PluginData	getPluginTemplateDefinitionData (<code>java.lang.String pluginName</code>) Retrieve the plugin defined data for the associated template definition.
<code>java.lang.String</code>	getTemplateDefinitionID () Retrieve the ID of the owner template definition.
<code>java.lang.String</code>	getTemplateID () Retrieve the ID of the owner template.
<code>java.util.List</code>	getVariableList () Retrieve a list of all defined workflow variables and their types.
<code>java.util.List</code>	getVariableList (<code>java.lang.String type</code>) Retrieve a list of defined workflow variables of a specified type.
VariableInfo	invokeAddVariableDialog () Invoke the Add Variable dialog to allow the user to define a new workflow variable.
VariableInfo	invokeAddVariableDialog (<code>java.lang.String name</code> , <code>java.lang.String[] validTypes</code>) Invoke the 'Add Variable' dialog to allow the user to define a new workflow variable of a valid type specified by the caller.
<code>void</code>	invokeExpressionBuilder (<code>javax.swing.text.JTextComponent txtInput</code> , <code>boolean condition</code> , FieldInfo <code>fieldInfo</code> , <code>java.lang.String[] fields</code> , <code>java.lang.String eventDescriptor</code>) Invoke the expression builder dialog.

boolean	isVariableInExpression (java.lang.String expr, java.lang.String var) Check whether an expression references the specified variable.
java.lang.String	renameVariableInExpression (java.lang.String expr, java.lang.String oldName, java.lang.String newName) Update an expression's references to a renamed variable.
boolean	validateExpression (java.lang.String expression, boolean allowVariables, FieldInfo fieldInfo, java.lang.String eventDescriptor) Validate an expression.

Method Detail

getInitialContext

```
public javax.naming.Context getInitialContext()
```

Return the design-time client application's JNDI context. The client application (WebLogic Process Integrator Studio) returns a JNDI context containing the same security context as it uses itself. *The caller must not close this context.*

Returns:

A JNDI context.

getTemplateID

```
public java.lang.String getTemplateID()
```

Retrieve the ID of the owner template.

Returns:

The template ID.

getTemplateDefinitionID

```
public java.lang.String getTemplateDefinitionID()
```

Retrieve the ID of the owner template definition.

Returns:

The template definition ID.

getVariableList

```
public java.util.List getVariableList()
```

Retrieve a list of all defined workflow variables and their types.

Returns:

A list of [VariableInfo](#) objects describing the defined variables.

getVariableList

```
public java.util.List getVariableList(java.lang.String type)
```

Retrieve a list of defined workflow variables of a specified type.

Parameters:

type - A string describing the type of variable to return.

Returns:

A list of [VariableInfo](#) objects describing the defined variables of the specified type.

invokeExpressionBuilder

```
public void invokeExpressionBuilder(javax.swing.text.JTextComponent txtInput,  
                                     boolean condition,  
                                     FieldInfo fieldInfo,  
                                     java.lang.String[] fields,  
                                     java.lang.String eventDescriptor)
```

Invoke the expression builder dialog. This method assumes that the current expression is displayed in a `JTextComponent`, or a subclass thereof, and initializes the expression builder from this text component. If the user clicks the expression builder's OK button, this method closes the builder dialog if the expression is valid, then updates the text component with the modified expression.

Parameters:

txtInput - The text input component containing the expression.

condition - true to build a conditional expression.

fieldInfo - Required if the expression is permitted to reference fields.

fields - Optional list of valid field names, to match the eventDescriptor parameter. Note that field types which support qualifiers are not well suited to supply a list of valid field names.

eventDescriptor - An event descriptor string in a plugin-defined format.

invokeAddVariableDialog

```
public VariableInfo invokeAddVariableDialog( )  
                                     throws WorkflowException
```

Invoke the Add Variable dialog to allow the user to define a new workflow variable.

Returns:

Information about the new variable if the user pressed the 'add variable' dialog's OK button, otherwise null.

invokeAddVariableDialog

```
public VariableInfo invokeAddVariableDialog(java.lang.String name,  
                                             java.lang.String[] validTypes)  
                                     throws WorkflowException
```

Invoke the 'Add Variable' dialog to allow the user to define a new workflow variable of a valid type specified by the caller.

Parameters:

name - The name of the new variable to create. Can be null.

validTypes - An array of valid type names for this variable. Valid types are defined in the [VariableInfo](#) class.

Returns:

Information about the new variable.

Throws:

[java.lang.IllegalArgumentException](#) - If a types array contains an invalid type.

[WorkflowException](#) - If a variable of the same name already exists.

checkVariable

```
public VariableInfo checkVariable(java.lang.String name,  
                                   java.lang.String[] validTypes)  
    throws WorkflowException
```

Check to see if a variable exists. If it doesn't, invoke the 'Add Variable' dialog to allow the user to define a new workflow variable of a valid type specified by the caller.

Parameters:

name - The name of the new variable to create. Can be null.

validTypes - An array of valid type names for this variable. Valid types are defined in the [VariableInfo](#) class. Can be null.

Returns:

Information about the variable if it exists, or if the user pressed the 'add variable' dialog's OK button, otherwise null

Throws:
[java.lang.IllegalArgumentException](#) - If a types array contains an invalid type.

[WorkflowException](#) - If a variable of the same name already exists, but is of a type not in the supplied list of valid types.

getPluginTemplateData

```
public PluginData getPluginTemplateData(java.lang.String pluginName)
```

Retrieve the plugin defined data for the associated template.

Parameters:

pluginName - The reverse-DNS name of the plugin.

Returns:

The plugin provided [PluginData](#) object for the template.

See Also:

[PluginData](#)

getPluginTemplateDefinitionData

```
public PluginData getPluginTemplateDefinitionData(java.lang.String pluginName)
```

Retrieve the plugin defined data for the associated template definition.

throws [EvaluatorException](#)

Validate an expression.

Parameters:

- expression - The text of the expression to validate.
- allowVariables - true if the expression allows variables.
- fieldInfo - The data field type.
- eventDescriptor - The description of the event.

Returns:

true if the expression is valid.

Throws:

[EvaluatorException](#) - if expr is not a valid expression.

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com.bea.wlpi.common.plugin

Interface PluginVariableRenderer

public interface **PluginVariableRenderer**

Defines a plugin-provided GUI component for displaying the value of a plugin-defined variable type. The component is displayed within the cell of a `JTable`. Although this interface cannot mandate it, classes implementing this interface must be subclasses of `java.awt.Component`.

Since:

WebLogic Process Integrator 2.0

See Also:[VariableTypeInfo](#), [PluginVariablePanel](#)

Method Summary

void	setValue (<code>java.lang.Object value</code>) Set the variable to display.
------	--

Method Detail

setValue

public void **setValue**(`java.lang.Object value`)

Set the variable to display. The value is `null`, or an instance of the class declared in the corresponding [VariableTypeInfo](#) object.

Parameters:`value` - The value to display.

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com.bea.wlpi.common.plugin

Class VariableTypeInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- **com.bea.wlpi.common.plugin.VariableTypeInfo**

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic final class **VariableTypeInfo**extends [InfoObject](#)

Provides information about a variable type defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginVariableRenderer](#), [PluginVariablePanel](#), [Serialized Form](#)

Field Summary

static int	KEY_PANEL Key value to retrieve the PluginVariablePanel implementation class name.
static int	KEY_RENDERER Key value to retrieve the PluginVariableRenderer implementation class name.
static int	TYPE_ENTITY Describes a remote reference to an entity EJB.
static int	TYPE_OBJECT Describes a local Java object (as opposed to a remote object).
static int	TYPE_SESSION Describes a remote reference to a session EJB.

Fields inherited from class `com.bea.wlpi.common.plugin.InfoObject`

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface `com.bea.wlpi.common.plugin.PluginConstants`

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[VariableTypeInfo](#)(`java.lang.String` pluginName, `int` ID, `java.lang.String` name, `java.lang.String` description, `int` variableType, `java.lang.Class` valueClass, `java.lang.String[]` classNames)

Create a new `VariableTypeInfo` object.

Method Summary

<code>java.lang.Class</code>	getValueClass ()
------------------------------	-----------------------------------

Return the Java class representing the allowed value type.

int [getVariableType](#)()

Return the type of this plugin-defined variable: [TYPE_OBJECT](#), [TYPE_SESSION](#), [TYPE_ENTITY](#).

Methods inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Field Detail

KEY_RENDERER

```
public static final int KEY_RENDERER
```

Key value to retrieve the [PluginVariableRenderer](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginVariablePanel](#) implementation class name.

TYPE_OBJECT

```
public static final int TYPE_OBJECT
```

Describes a local Java object (as opposed to a remote object).

TYPE_SESSION

```
public static final int TYPE_SESSION
```

Describes a remote reference to a session EJB.

TYPE_ENTITY

```
public static final int TYPE_ENTITY
```

Describes a remote reference to an entity EJB.

Constructor Detail

VariableTypeInfo

```
public VariableTypeInfo(java.lang.String pluginName,  
                        int ID,  
                        java.lang.String name,  
                        java.lang.String description,  
                        int variableType,  
                        java.lang.Class valueClass,  
                        java.lang.String[] classNames)  
    throws WorkflowException
```

Create a new VariableTypeInfo object.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this variable type.

`ID` - The unique plugin-supplied identifier for this variable type.

`name` - The localized name of this variable type.

`description` - The localized description of this variable type.

`variableType` - The type of this plugin-defined variable: [TYPE_OBJECT](#), [TYPE_SESSION](#), [TYPE_ENTITY](#).

`valueClass` - The fully qualified Java class of the allowed value type. The design-time and run-time environments constraint the values that can be assigned to instances of this variable type, using the normal rules for Java type-casting.

`classNames` - A two-element array to identify plugin-supplied classes related to this object. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

Method Detail

getValueClass

```
public java.lang.Class getValueClass()
```

Return the Java class representing the allowed value type.

Returns:

The allowed value class.

getVariableType

```
public int getVariableType()
```

Return the type of this plugin-defined variable: [TYPE_OBJECT](#), [TYPE_SESSION](#), [TYPE_ENTITY](#).

Returns:

The type of this plugin-defined variable.

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[FRAMES](#) [NO FRAMES](#)

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com.bea.wlpi.common.plugin

Class TemplatePropertiesInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)

|
+-- **com.bea.wlpi.common.plugin.TemplatePropertiesInfo**

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public class **TemplatePropertiesInfo**

extends [InfoObject](#)

Defines the plugin-provided GUI component for plugin template properties. Used by the 'Template Definition' properties dialog.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

static int	KEY_DATA Key value to retrieve the PluginData implementation class name.
static int	KEY_PANEL Key value to retrieve the PluginPanel implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
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[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[TemplatePropertiesInfo](#)(java.lang.String pluginName,
java.lang.String name, java.lang.String description,
java.lang.String[] classNames)

Create a new TemplatePropertiesInfo object.

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#),
[getPluginName](#), [toString](#)

Methods inherited from class java.lang.Object

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#),
[wait](#)

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginPanel](#) implementation class name.

Constructor Detail

TemplatePropertiesInfo

```
public TemplatePropertiesInfo( java.lang.String pluginName,  
                               java.lang.String name,  
                               java.lang.String description,  
                               java.lang.String[] classNames)
```

Create a new `TemplatePropertiesInfo` object.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this `TemplatePropertiesInfo`.

`name` - The localized name of this `TemplatePropertiesInfo`. This string is displayed in the corresponding tab in the template properties dialog.

`description` - The localized description of this `TemplatePropertiesInfo`.

`classNames` - A two-element array to identify plugin-supplied classes related to this object. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

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com.bea.wlpi.common.plugin

Class TemplateNodeInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)

|
+-- [com.bea.wlpi.common.plugin.TemplateNodeInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

Direct Known Subclasses:

[DoneInfo](#), [EventInfo](#), [StartInfo](#)

public abstract class **TemplateNodeInfo**

extends [InfoObject](#)

Provides information about a plugin-supplied template definition node type.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[TemplateNodeInfo](#)(java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, javax.swing.Icon icon, java.lang.String[] classNames)
Create a new TemplateNodeInfo.

Method Summary

javax.swing.Icon	getIcon () Return the plugin-provided icon for this template node.
------------------	---

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class java.lang.Object


```
clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

Constructor Detail

TemplateNodeInfo

```
public TemplateNodeInfo(java.lang.String pluginName,  
                        int ID,  
                        java.lang.String name,  
                        java.lang.String description,  
                        javax.swing.Icon icon,  
                        java.lang.String[] classNames)
```

Create a new `TemplateNodeInfo`.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this `TemplateNodeInfo`.

`ID` - The unique plugin-supplied identifier for this `TemplateNodeInfo`. This icon is used by the design-time client's 'Interface View'.

`name` - The localized name of this `TemplateNodeInfo`.

`description` - The localized description of this `TemplateNodeInfo`.

`icon` - The icon for this template node type.

`classNames` - An array to identify plugin-supplied classes related to this object. The array contains one entry for each of the `KEY_*` values defined in the concrete subclass. The value for each entry is the fully qualified name of the Java class that implements the interface specified for that key value.

Method Detail

getIcon

```
public javax.swing.Icon getIcon()
```

Return the plugin-provided icon for this template node.

Returns:

The icon for template node.

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com.bea.wlpi.common.plugin

Class TemplateDefinitionPropertiesInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- **com.bea.wlpi.common.plugin.TemplateDefinitionPropertiesInfo**

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic class **TemplateDefinitionPropertiesInfo**extends [InfoObject](#)

Defines the GUI component for plugin template definition properties. Used by the 'Template Definition' properties dialog.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

static int	KEY DATA Key value to retrieve the PluginData implementation class name.
static int	KEY PANEL Key value to retrieve the PluginPanel class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
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[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[TemplateDefinitionPropertiesInfo](#)(java.lang.String pluginName,
java.lang.String name, java.lang.String description,
java.lang.String[] classNames)

Create a new [TemplateDefinitionPropertiesInfo](#) object.

Methods inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#),
[getPluginName](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#),
[wait](#)

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginPanel](#) class name.

Constructor Detail

TemplateDefinitionPropertiesInfo

```
public TemplateDefinitionPropertiesInfo( java.lang.String pluginName,  
                                         java.lang.String name,  
                                         java.lang.String description,  
                                         java.lang.String[] classNames)
```

Create a new `TemplateDefinitionPropertiesInfo` object.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this `TemplateDefinitionPropertiesInfo`.

`name` - The localized name of this `TemplateDefinitionPropertiesInfo`. This string is displayed in the corresponding tab in the template definition properties dialog.

`description` - The localized description of this `TemplateDefinitionPropertiesInfo`.

`icon` - The icon for this start node type.

`classNames` - A two-element array to identify plugin-supplied classes related to this object. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

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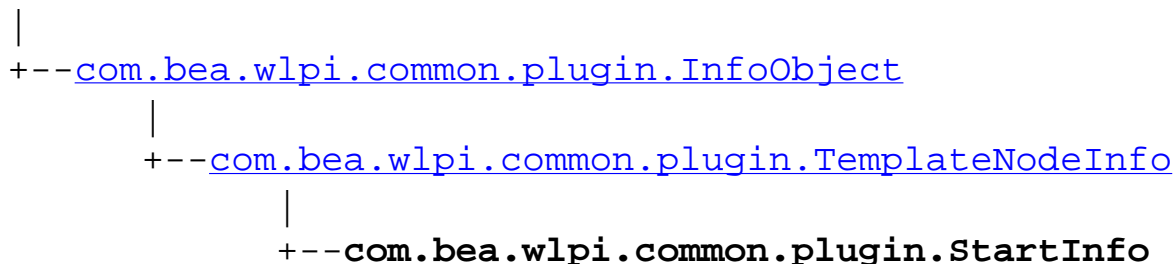
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com.bea.wlpi.common.plugin Class StartInfo

java.lang.Object



All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public final class **StartInfo**

extends [TemplateNodeInfo](#)

Provides information about a start node type defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginTriggerPanel](#), [PluginStart](#), [Serialized Form](#)

Field Summary

static int	KEY_DATA Key value to retrieve the PluginData implementation class name.
static int	KEY_PANEL Key value to retrieve the PluginTriggerPanel implementation class name.
static int	KEY_START Key value to retrieve the PluginStart implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[StartInfo](#)(java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, javax.swing.Icon icon, java.lang.String[] classNames, [FieldInfo](#) fieldInfo)

Create a new StartInfo.

Method Summary

FieldInfo	getFieldInfo ()
---------------------------	---------------------------------

Return the field type for this start type.

Methods inherited from class [com.bea.wlpi.common.plugin.TemplateNodeInfo](#)

[getIcon](#)

Methods inherited from class `com.bea.wlpi.common.plugin.InfoObject`

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class `java.lang.Object`

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginTriggerPanel](#) implementation class name.

KEY_START

```
public static final int KEY_START
```

Key value to retrieve the [PluginStart](#) implementation class name.

Constructor Detail

StartInfo

```
public StartInfo(java.lang.String pluginName,  
                int ID,  
                java.lang.String name,  
                java.lang.String description,  
                javax.swing.Icon icon,
```



```
java.lang.String[] classNames,  
FieldInfo fieldInfo)
```

Create a new `StartInfo`.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this start type.

`ID` - The unique plugin-supplied identifier for this start type.

`name` - The localized name of this start type.

`description` - The localized description of this start type.

`icon` - The icon for this start node type.

`classNames` - A three-element array to identify plugin-supplied classes related to this start type. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

`fieldInfo` - The field type processed by this start node type.

See Also:

[getFieldInfo\(\)](#)

Method Detail

getFieldInfo

```
public FieldInfo getFieldInfo()
```

Return the field type for this start type. The expression evaluator requires this information in order to process event data in the format used by this start node type. If the plugin does not specify a field type, the evaluator will use the default [FieldInfo.XMLFIELD](#) XML field type to resolve field references in expressions (only in places where field references are permissible).

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com.bea.wlpi.common.plugin

Class PluginVariablePanel

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.JPanel
                |
                +-- com.bea.wlpi.common.plugin.PluginPanel
                    |
                    +-- com.bea.wlpi.common.plugin.PluginVariablePanel
```

All Implemented Interfaces:

[javax.accessibility.Accessible](#), [java.lang.Cloneable](#), [java.awt.image.ImageObserver](#), [java.awt.MenuContainer](#), [java.io.Serializable](#)

public abstract class **PluginVariablePanel**

extends [PluginPanel](#)

Defines a plugin-provided GUI component for editing the value of a plugin-defined variable type. Currently, used only by the 'Update Variable' Studio dialog.

Since:

WebLogic Process Integrator 2.0

See Also:

[VariableTypeInfo](#), [PluginVariableRenderer](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

[javax.swing.JPanel.AccessibleJPanel](#)

Inner classes inherited from class javax.swing.JComponent

[javax.swing.JComponent.AccessibleJComponent](#)

Inner classes inherited from class java.awt.Container

[java.awt.Container.AccessibleAWTContainer](#)

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Field Summary

protected	java.lang.Object	variableValue
-----------	------------------	-------------------------------

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

protected	PluginVariablePanel (java.util.Locale lc, java.lang.String helpID) Create a new PluginVariablePanel.
-----------	---

Method Summary

java.lang.Object	getVariableValue () Return the value of the variable.
void	setContext (java.lang.Object variableValue) Set the operating context for the panel.

Methods inherited from class com.bea.wlpi.common.plugin.[PluginPanel](#)

[exceptionHandlerRenamed](#), [getContext](#), [getData](#), [getHelpIDString](#), [getString](#), [load](#), [referencesExceptionHandler](#), [referencesVariable](#), [setContext](#), [setResourceBundle](#), [validateAndSave](#), [variableRenamed](#)

Methods inherited from class javax.swing.JPanel

getAccessibleContext, getUIClassID, paramString, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

variableValue

protected java.lang.Object **variableValue**

Constructor Detail

PluginVariablePanel

```
protected PluginVariablePanel(java.util.Locale lc,  
                               java.lang.String helpID)
```

Create a new PluginVariablePanel.

Parameters:

lc - The locale for the panel.

helpID - The help topic ID for the panel. This must match one of the JavaHelp keys or HTML file names provided by the plugin's [online help set](#).

Method Detail

getVariableValue

```
public final java.lang.Object getVariableValue()
```

Return the value of the variable.

Returns:

The variable's value.

setContext

```
public final void setContext(java.lang.Object variableValue)
```

Set the operating context for the panel. The plugin framework calls this method before adding the plugin variable panel to the 'Update Variable' dialog. Plugins must not call this method.

Parameters:

variableValue - The current value of the instance variable.

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com.bea.wlpi.common.plugin

Class PluginTriggerPanel

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.JPanel
                |
                +-- com.bea.wlpi.common.plugin.PluginPanel
                    |
                    +-- com.bea.wlpi.common.plugin.PluginTriggerPanel
```

All Implemented Interfaces:

[javax.accessibility.Accessible](#), [java.lang.Cloneable](#), [java.awt.image.ImageObserver](#), [java.awt.MenuContainer](#), [java.io.Serializable](#)

public abstract class **PluginTriggerPanel**

extends [PluginPanel](#)

Defines a plugin-provided start or event node GUI component. Used by the StartProperties and EventProperties Studio dialogs.

Since:

WebLogic Process Integrator 2.0

See Also:

[EventInfo](#), [StartInfo](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

[javax.swing.JPanel.AccessibleJPanel](#)

Inner classes inherited from class javax.swing.JComponent

[javax.swing.JComponent.AccessibleJComponent](#)

Inner classes inherited from class java.awt.Container

[java.awt.Container.AccessibleAWTContainer](#)

Inner classes inherited from class java.awt.Component
java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JComponent
accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component
BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver
ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

protected	PluginTriggerPanel (java.util.Locale lc, java.lang.String helpID) Create a new PluginTriggerPanel.
-----------	---

Method Summary

java.lang.String	getEventDescriptor () Return a plugin-defined string that characterizes the event data for which the node is watching.
java.lang.String[]	getFields () Return the list of field names associated with the event (if known).

Methods inherited from class com.bea.wlpi.common.plugin.[PluginPanel](#)
[exceptionHandlerRenamed](#), [getContext](#), [getData](#), [getHelpIDString](#), [getString](#), [load](#), [referencesExceptionHandler](#), [referencesVariable](#), [setContext](#), [setResourceBundle](#), [validateAndSave](#), [variableRenamed](#)

Methods inherited from class javax.swing.JPanel
getAccessibleContext, getUIClassID, paramString, updateUI

Methods inherited from class javax.swing.JComponent

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

PluginTriggerPanel

```
protected PluginTriggerPanel(java.util.Locale lc,  
                             java.lang.String helpID)
```

Create a new PluginTriggerPanel.

Parameters:

lc - The locale for the panel.

helpID - The help topic ID for the panel. This must match one of the JavaHelp keys or HTML file names provided by the plugin's [online help set](#).

Method Detail

getFields

```
public java.lang.String[] getFields()
```

Return the list of field names associated with the event (if known). If this list is non-null, the owning start or event properties dialog passes it to the expression builder. The default implementation returns null.

Returns:

An array of field names.

getEventDescriptor

```
public java.lang.String getEventDescriptor()
```

Return a plugin-defined string that characterizes the event data for which the node is watching. The expression evaluator passes this event descriptor to any instances of the corresponding [PluginField](#) implementation class specified by the [FieldInfo](#) object supplied by the [StartInfo](#) or [EventInfo](#) object from which this [PluginTriggerPanel](#) was generated. The default implementation returns null.

Returns:

An event descriptor string in a plugin-defined format.

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com.bea.wlpi.common.plugin

Class PluginPanel

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- javax.swing.JComponent
            |
            +-- javax.swing.JPanel
                |
                +-- com.bea.wlpi.common.plugin.PluginPanel
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.lang.Cloneable, java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable

Direct Known Subclasses:

[PluginActionPanel](#), [PluginTriggerPanel](#), [PluginVariablePanel](#)

public abstract class **PluginPanel**

extends javax.swing.JPanel

implements java.lang.Cloneable

Defines a plugin-provided GUI component. The component is hosted in a dialog constructed by the design-time client.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginData](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

javax.swing.JPanel.AccessibleJPanel

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

protected	PluginPanel (java.util.Locale lc, java.lang.String helpID) Create a new PluginPanel.
-----------	---

Method Summary

void	exceptionHandlerRenamed (java.lang.String oldName, java.lang.String newName) Cascade updates to the specified exception handler.
PluginPanelContext	getContext () Return the parent component in which this panel is displayed.

PluginData	getData() Return the plugin-defined data.
java.lang.String	getHelpIDString() Return the help topic ID for the plugin panel.
java.lang.String	getString() (java.lang.String key) Get a localized display string.
java.lang.String	getString() (java.lang.String key, java.lang.Object[] args) Get a localized message, formatted with the supplied arguments.
abstract void	load() Instructs the panel to initialize its UI controls from the plugin-provided data.
boolean	referencesExceptionHandler() (java.lang.String handler) Check whether the panel references the specified exception handler.
boolean	referencesVariable() (java.lang.String var) Check whether the panel references the specified variable.
void	setContext() (PluginPanelContext context, PluginData data) Set the operating context for the panel.
void	setResourceBundle() (java.lang.String bundleName) Set the resource bundle to use when localizing strings and messages.
abstract boolean	validateAndSave() Instructs the panel to validate its UI control values and save them into the plugin-provided data.
void	variableRenamed() (java.lang.String oldName, java.lang.String newName) Cascade updates to the specified workflow variable.

Methods inherited from class javax.swing.JPanel

getAccessibleContext, getUIClassID, paramString, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, isValidRoot, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

PluginPanel

```
protected PluginPanel(java.util.Locale lc,  
                        java.lang.String helpID)
```

Create a new PluginPanel.

Parameters:

lc - The locale for the panel. Can be retrieved later by calling `getLocale()`.

helpID - The help topic ID for the panel. This must match one of the JavaHelp keys or HTML file names provided by the plugin's [online help set](#).

Method Detail

getContext

```
public final PluginPanelContext getContext()
```

Return the parent component in which this panel is displayed.

Returns:

The parent component.

getData

```
public final PluginData getData()
```

Return the plugin-defined data.

Returns:

The plugin-defined data.

getHelpIDString

```
public java.lang.String getHelpIDString()
```

Return the help topic ID for the plugin panel.

Returns:

getString

```
public java.lang.String getString(java.lang.String key)
```

Get a localized display string. The resource bundle name must have been set by a prior call to [setResourceBundle\(java.lang.String\)](#).

Parameters:

key - The resource key.

Returns:

A localized display string matching the specified key.

Throws:

`java.lang.IllegalStateException` - if no resource bundle has been defined.

See Also:

[getString\(String, Object\[\]\)](#),
[setResourceBundle\(java.lang.String\)](#)

getString

```
public java.lang.String getString(java.lang.String key,  
                                   java.lang.Object[] args)
```

Get a localized message, formatted with the supplied arguments. The resource bundle name must have been set by a prior call to [setResourceBundle\(java.lang.String\)](#). This method uses this object's `ClassLoader` to retrieve the string resource from the nominated resource properties file in its `plugin-ejb.jar` file.

Parameters:

key - The resource key.

args - Arguments to be inserted into the message text.

Returns:

A localized, formatted message string matching the specified key and arguments.

Throws:

`java.lang.IllegalStateException` - if no resource bundle has been defined.

See Also:

[getString\(String\)](#), [setResourceBundle\(java.lang.String\)](#)

load

```
public abstract void load()
```

Instructs the panel to initialize its UI controls from the plugin-provided data. Implementations call [getData\(\)](#) to access the plugin data, cast the result to the corresponding plugin-defined class, then call the appropriate getter methods to retrieve the display values. The framework ensures that this method is called exactly once per modal display cycle. Plugins must not call this method.

See Also:

[validateAndSave\(\)](#)

setContext

```
public final void setContext(PluginPanelContext context,  
                             PluginData data)
```

Set the operating context for the panel. The plugin framework calls this method before adding the plugin panel to its dialog. The implementation stores the owner and data parameters in the corresponding member variables. Plugins must not call this method.

Parameters:

context - The dialog context in which the panel is being displayed.

data - The plugin-supplied data.

Throws:

`java.lang.IllegalArgumentException` - if either parameter is null.

setResourceBundle

```
public void setResourceBundle(java.lang.String bundleName)
```

Set the resource bundle to use when localizing strings and messages.

Parameters:

bundleName - The name of the resource bundle from which to retrieve the localized strings and messages.

See Also:

[getString\(String\)](#), [getString\(String, Object\[\]\)](#)

exceptionHandlerRenamed

```
public void exceptionHandlerRenamed(java.lang.String oldName,  
                                     java.lang.String newName)
```

Cascade updates to the specified exception handler. Subclasses *must* override this method if they make reference to workflow exception handlers, and propagate updates to the exception handler so that the reference remains unbroken. Note that in plugin-customizable nodes where actions are supported by default (start, event, done, action), the framework takes care of propagating the change throughout these action list(s) automatically.

Parameters:

`oldName` - The exception handler's previous name.

`newName` - The exception handler's new name.

See Also:

[referencesExceptionHandler\(java.lang.String\)](#)

referencesExceptionHandler

```
public boolean referencesExceptionHandler(java.lang.String handler)
```

Check whether the panel references the specified exception handler. Subclasses *must* override this method if they make reference to workflow exception handlers, to prevent the inadvertent deletion of an exception handler to which references currently exist. Note that in plugin-customizable nodes where actions are supported by default (start, event, done, action), the framework takes care of checking these action list(s) automatically.

Parameters:

`handler` - The name of the exception handler.

Returns:

`true` if the panel references the handler.

See Also:

[exceptionHandlerRenamed\(java.lang.String, java.lang.String\)](#)

referencesVariable

```
public boolean referencesVariable(java.lang.String var)
```

Check whether the panel references the specified variable. Subclasses *must* override this method if they make reference to workflow variables, whether directly by name or indirectly via expressions. This is to prevent the inadvertent deletion of referenced variables. Note that in plugin-customizable nodes where actions are supported by default (start, event, done, action), the

framework takes care of checking these action list(s) automatically.

Parameters:

`var` - The name of the variable.

Returns:

`true` if the panel references the variable.

See Also:

[variableRenamed\(java.lang.String, java.lang.String\)](#)

validateAndSave

```
public abstract boolean validateAndSave()
```

Instructs the panel to validate its UI control values and save them into the plugin-provided data. Implementations call [getData\(\)](#) to access the plugin data, cast the result to the corresponding plugin-defined class, then call the appropriate setter methods to save the display values.

See Also:

[load\(\)](#)

variableRenamed

```
public void variableRenamed(java.lang.String oldName,  
                             java.lang.String newName)
```

Cascade updates to the specified workflow variable. Subclasses *must* override this method if they make reference to workflow variables, whether directly by name or indirectly via expressions. Note that in plugin-customizable nodes where actions are supported by default (start, event, done, action), the framework takes care of propagating the change throughout these action list(s) automatically.

Parameters:

`oldName` - The variable's old name.

`newName` - The variable's new name.

See Also:

[referencesVariable\(java.lang.String\)](#)

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com.bea.wlpi.common.plugin

Class PluginInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)

|
+-- [com.bea.wlpi.common.plugin.PluginInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public final class **PluginInfo**

extends [InfoObject](#)

Provides basic information about a plugin prior to loading. The plugin's capabilities after being loaded are described by the [PluginCapabilitiesInfo](#) object.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[PluginInfo](#)(java.lang.String pluginName, java.lang.String name,
java.lang.String description, java.util.Locale lc,
java.lang.String vendor, java.lang.String url, [VersionInfo](#) version,
[VersionInfo](#) pluginFrameworkVersion, [PluginDependency](#)[] dependencies,
[ConfigurationInfo](#) config, [HelpSetInfo](#) helpSet)

Create a new PluginInfo.

Method Summary

ConfigurationInfo	getConfigurationInfo () Return the configuration information for this Plugin.
PluginDependency []	getDependencyInfo () Return the list of the plugins on which this plugin depends.
HelpSetInfo	getHelpSetInfo () Return information about the plugin-provided JavaHelp help set.
java.util.Locale	getLocale () Return the locale of the display strings contained in this PluginInfo object.

VersionInfo	getPluginFrameworkVersion() Return the version of the plugin framework required.
java.lang.String	getURL() Return the plugin vendor's URL.
java.lang.String	getVendor() Return the plugin vendor's name.
VersionInfo	getVersion() Return the plugin version.

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

PluginInfo

```
public PluginInfo(java.lang.String pluginName,
                  java.lang.String name,
                  java.lang.String description,
                  java.util.Locale lc,
                  java.lang.String vendor,
                  java.lang.String url,
                  VersionInfo version,
                  VersionInfo pluginFrameworkVersion,
                  PluginDependency[] dependencies,
                  ConfigurationInfo config,
                  HelpSetInfo helpSet)
```

Create a new PluginInfo.

Parameters:

pluginName - The reverse-DNS name of the plugin.

`name` - The localized name of this plugin.

`description` - The localized description of this plugin.

`lc` - The locale in which to localize display strings.

`vendor` - The plugin vendor's name.

`url` - The URL for the plugin vendor.

`version` - The plugin version.

`pluginFrameworkVersion` - The version of the plugin framework required.

`dependencies` - A list of the plugins on which this plugin depends.

`config` - Information to enable the plugin configuration to be viewed and updated.

`helpSet` - Information about the JavaHelp help set provided by this plugin.

Method Detail

getLocale

```
public java.util.Locale getLocale()
```

Return the locale of the display strings contained in this `PluginInfo` object.

Returns:

The locale.

getURL

```
public java.lang.String getURL()
```

Return the plugin vendor's URL.

Returns:

Vendor URL.

getVendor

```
public java.lang.String getVendor()
```

Return the plugin vendor's name.

Returns:

Vendor name.

getVersion

```
public VersionInfo getVersion()
```

Return the plugin version.

Returns:

The plugin version.

getPluginFrameworkVersion

```
public VersionInfo getPluginFrameworkVersion()
```

Return the version of the plugin framework required.

Returns:

Plugin framework version.

getDependencyInfo

```
public PluginDependency[] getDependencyInfo()
```

Return the list of the plugins on which this plugin depends.

Returns:

Plugin dependencies.

getConfigurationInfo

```
public ConfigurationInfo getConfigurationInfo()
```

Return the configuration information for this Plugin.

Returns:

Plugin configuration info.

getHelpSetInfo

```
public HelpSetInfo getHelpSetInfo()
```

Return information about the plugin-provided JavaHelp help set.

Returns:

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com.bea.wlpi.common.plugin

Class PluginDependency

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)

|
+-- [com.bea.wlpi.common.plugin.PluginDependency](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public final class **PluginDependency**

extends [InfoObject](#)

Provides information about a plugin's dependencies.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[PluginDependency](#)(java.lang.String pluginName,
 java.lang.String description, java.lang.String masterPluginName,
 java.lang.String vendor, [VersionInfo](#) version)

Create a new PluginDependency.

Method Summary

java.lang.String	getMasterPluginName () Returns the master plugin name that this plugin depends on.
java.lang.String	getVendor () The name of the master plugin vendor.
VersionInfo	getVersion () The master plugin version required.

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class `java.lang.Object`

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

Constructor Detail

PluginDependency

```
public PluginDependency(java.lang.String pluginName,  
                        java.lang.String description,  
                        java.lang.String masterPluginName,  
                        java.lang.String vendor,  
                        VersionInfo version)
```

Create a new `PluginDependency`.

Parameters:

`pluginName` - The reverse-DNS name of the dependent plugin.

`description` - The localized description of the dependent plugin.

`masterPluginName` - The reverse-DNS name of the master plugin.

`vendor` - The master plugin vendor's name.

`version` - The master plugin version required.

Method Detail

getVendor

```
public java.lang.String getVendor()
```

The name of the master plugin vendor.

Returns:

The plugin vendor.

getVersion

```
public VersionInfo getVersion()
```

The master plugin version required.

Returns:

Plugin version.

getMasterPluginName

```
public java.lang.String getMasterPluginName()
```

Returns the master plugin name that this plugin depends on.

Returns:

Plugin version.

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2.0

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common.plugin

Class PluginCapabilitiesInfo

java.lang.Object

|--com.bea.wlpi.common.plugin.PluginCapabilitiesInfo

All Implemented Interfaces:

java.io.Serializable

public final class **PluginCapabilitiesInfo**

extends java.lang.Object

implements java.io.Serializable

Provides information about a plugin's capabilities. The class describes the full plugin's capabilities when it is in the loaded state. The plugin's capabilities prior to being loaded are described by the [PluginInfo](#) object.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Constructor Summary

[PluginCapabilitiesInfo](#)([PluginInfo](#) info, [ActionCategoryInfo](#)[] actions, [EventInfo](#)[] events, [FieldInfo](#)[] fields, [FunctionInfo](#)[] functions, [StartInfo](#)[] starts, [DoneInfo](#)[] dones, [VariableTypeInfo](#)[] variableTypes, [TemplatePropertiesInfo](#) template, [TemplateDefinitionPropertiesInfo](#) templateDefinition, [EventHandlerInfo](#) eventHandler)

Create a new PluginCapabilitiesInfo.

Method Summary

[ActionCategoryInfo](#)[][getActionInfo](#)()

Return the list of categories and actions provided by this plugin.

[DoneInfo](#)[][getDoneInfo](#)()

Return the list of done node types provided by this plugin.

[EventHandlerInfo](#)[getEventHandlerInfo](#)()

Return information about the plugin-provided event handler.

EventInfo []	getEventInfo () Return the list of event types provided by this plugin.
FieldInfo []	getFieldInfo () Return the list of field types provided by this plugin.
FunctionInfo []	getFunctionInfo () Return the list of evaluator functions provided by this plugin.
PluginInfo	getPluginInfo () Return the basic plugin information.
StartInfo []	getStartInfo () Return the list of start types provided by this plugin.
TemplateDefinitionPropertiesInfo	getTemplateDefinitionInfo () Return the plugin-defined template definition properties.
TemplatePropertiesInfo	getTemplateInfo () Return the plugin-defined template properties, if any.
VariableTypeInfo []	getVariableTypeInfo () Return the list of variable types provided by this plugin.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

PluginCapabilitiesInfo

```
public PluginCapabilitiesInfo(PluginInfo info,
    ActionCategoryInfo[] actions,
    EventInfo[] events,
    FieldInfo[] fields,
    FunctionInfo[] functions,
    StartInfo[] starts,
    DoneInfo[] dones,
    VariableTypeInfo[] variableTypes,
    TemplatePropertiesInfo template,
    TemplateDefinitionPropertiesInfo templateDefinition,
    EventHandlerInfo eventHandler)
```

Create a new PluginCapabilitiesInfo.

Parameters:

info - The basic Plugin information.

actions - A list of the actions and action categories provided by this plugin, if any.

events - A list of the event types provided by this plugin, if any.

fields - A list of the field types provided by this plugin, if any.

functions - A list of the evaluator functions provided by this plugin, if any.

starts - A list of the start types provided by this plugin, if any.

doneNodes - A list of the done node properties provided by this plugin, if any.

variableTypes - A list of the variable types provided by this plugin, if any.

template - The template properties provided by this plugin, if any.

templateDefinition - The template definition properties provided by this plugin, if any.

eventHandler - The event handler provided by this plugin, if any.

Method Detail

getPluginInfo

```
public PluginInfo getPluginInfo()
```

Return the basic plugin information.

Returns:

Plugin information.

getActionInfo

```
public ActionCategoryInfo[] getActionInfo()
```

Return the list of categories and actions provided by this plugin.

Returns:

Plugin actions and categories.

getDoneInfo

```
public DoneInfo[] getDoneInfo()
```

Return the list of done node types provided by this plugin.

Returns:

Plugin done types.

getEventInfo

```
public EventInfo[] getEventInfo()
```

Return the list of event types provided by this plugin.

Returns:

Plugin event types.

getFieldInfo

```
public FieldInfo[] getFieldInfo()
```

Return the list of field types provided by this plugin.

Returns:

Plugin field types.

getFunctionInfo

```
public FunctionInfo[] getFunctionInfo()
```

Return the list of evaluator functions provided by this plugin.

Returns:

Plugin functions.

getStartInfo

```
public StartInfo[] getStartInfo()
```

Return the list of start types provided by this plugin.

Returns:

Plugin start types.

getVariableTypeInfo

```
public VariableTypeInfo[] getVariableTypeInfo()
```

Return the list of variable types provided by this plugin.

Returns:

Plugin variable types.

getTemplateInfo

```
public TemplatePropertiesInfo getTemplateInfo()
```

Return the plugin-defined template properties, if any.

Returns:

Plugin template properties.

getTemplateDefinitionInfo

```
public TemplateDefinitionPropertiesInfo getTemplateDefinitionInfo()
```

Return the plugin-defined template definition properties.

Returns:

Plugin template definition properties.

getEventHandlerInfo

```
public EventHandlerInfo getEventHandlerInfo()
```

Return information about the plugin-provided event handler.

Returns:

Plugin event handler.

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[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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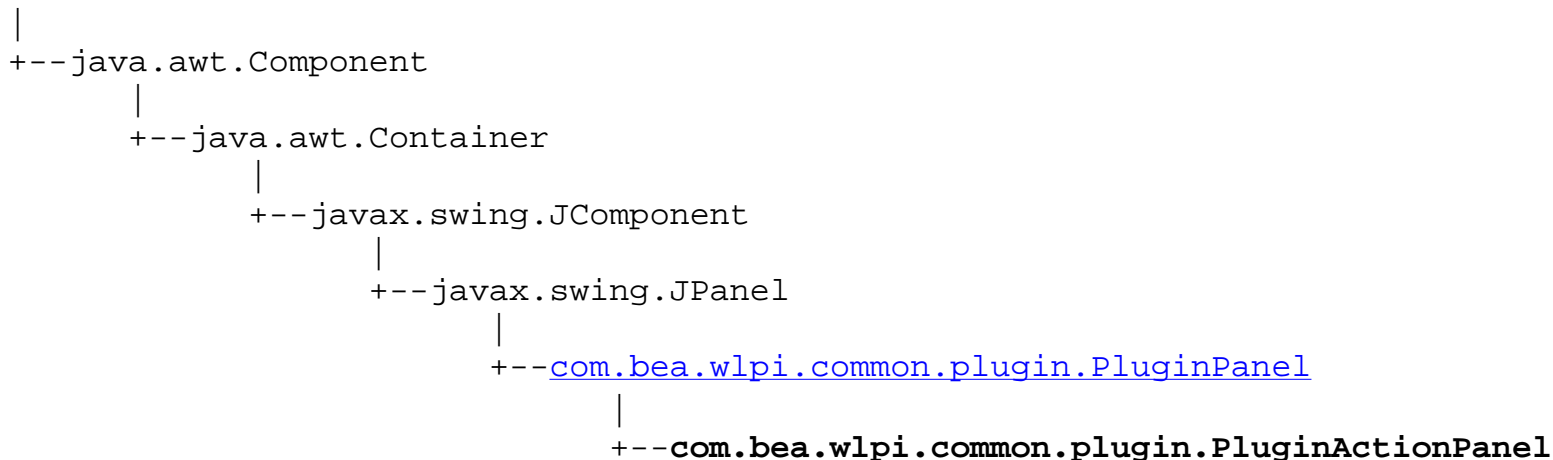
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com.bea.wlpi.common.plugin

Class PluginActionPanel

java.lang.Object



All Implemented Interfaces:

javax.accessibility.Accessible, java.lang.Cloneable, java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable

public abstract class **PluginActionPanel**extends [PluginPanel](#)

Defines the GUI component for a plugin-provided action. Used by the ActionPlugin dialog, which provides generic support for sub-actions.

Since:

WebLogic Process Integrator 2.0

See Also:

[ActionInfo](#), [PluginAction](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JPanel

javax.swing.JPanel.AccessibleJPanel

Inner classes inherited from class javax.swing.JComponent

javax.swing.JComponent.AccessibleJComponent

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

protected	PluginActionPanel (java.util.Locale lc, java.lang.String helpID) Create a new PluginActionPanel.
-----------	---

Methods inherited from class com.bea.wlpi.common.plugin.[PluginPanel](#)

[exceptionHandlerRenamed](#), [getContext](#), [getData](#), [getHelpIDString](#), [getString](#), [getString](#), [load](#), [referencesExceptionHandler](#), [referencesVariable](#), [setContext](#), [setResourceBundle](#), [validateAndSave](#), [variableRenamed](#)

Methods inherited from class javax.swing.JPanel

getAccessibleContext, getUIClassID, paramString, updateUI

Methods inherited from class javax.swing.JComponent

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

PluginActionPanel

```
protected PluginActionPanel(java.util.Locale lc,  
                             java.lang.String helpID)
```

Create a new PluginActionPanel.

Parameters:

lc - The locale for the panel. Can be retrieved later by calling `getLocale()`.

helpID - The help topic ID for the panel. This must match one of the JavaHelp keys or HTML file names provided by the plugin's [online help set](#).

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com.bea.wlpi.common.plugin

Class InfoObject

java.lang.Object

|
+-- **com.bea.wlpi.common.plugin.InfoObject**

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

Direct Known Subclasses:

[ActionCategoryInfo](#), [ConfigurationInfo](#), [EventHandlerInfo](#), [FieldInfo](#), [FunctionInfo](#), [HelpSetInfo](#), [PluginDependency](#), [PluginInfo](#), [TemplateDefinitionPropertiesInfo](#), [TemplateNodeInfo](#), [TemplatePropertiesInfo](#), [VariableTypeInfo](#)public abstract class **InfoObject**

extends java.lang.Object

implements java.lang.Comparable, [PluginConstants](#), java.io.Serializable

Abstract base class for all plugin metadata objects. Applications, and the server-side plugin runtime framework request plugin metadata for a specified locale, enabling a plugin to localize display strings and other resources appropriately. Every plugin is required to provide a globally unique internal identifier for itself, formed by appending one or more dot-separated strings to the vendor's reverse DNS name (for example, com.somedomain.someproduct.WLPIPlugin). InfoObject subclasses of which a plugin can provide multiple instances require a plugin-assigned identifier, which must be unique within the plugin/subclass combination. Plugins provide localized names and descriptions for the features they offer. They also specify the names of plugin-provided classes that implement the design-time and run-time behavior of these features.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

protected java.lang.String[]	<u>classNames</u> An array containing the fully qualified Java class names of the plugin-provided implementation classes and customizers for this object type.
protected java.lang.String	<u>description</u> The localized description of this InfoObject.
protected int	<u>ID</u> The plugin-assigned ID for this InfoObject (unique within this plugin and subclass).
protected java.lang.String	<u>name</u> The localized name of this InfoObject.
protected java.lang.String	<u>pluginName</u> The unique name of the plugin providing this InfoObject.

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

protected	<code>InfoObject(java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, java.lang.String[] classNames)</code> Create a new InfoObject.
-----------	--

Method Summary

int	<code>compareTo(java.lang.Object o)</code> Compare two InfoObject objects.
boolean	<code>equals(java.lang.Object obj)</code> Test two InfoObject objects for equality.
java.lang.String	<code>getClassName(int key)</code> Return the fully qualified name of a plugin-supplied Java class or resource.
java.lang.String	<code>getDescription()</code> Return the localized description.
int	<code>getID()</code> Return the unique plugin-supplied identifier for this InfoObject.
java.lang.String	<code>getName()</code> Return the localized name for this information.
java.lang.String	<code>getPluginName()</code> Return the name of the plugin providing this information.
java.lang.String	<code>toString()</code> Return a string representation of this InfoObject.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

pluginName

protected java.lang.String **pluginName**

The unique name of the plugin providing this InfoObject.

ID

protected int **ID**

The plugin-assigned ID for this InfoObject (unique within this plugin and subclass).

name

protected java.lang.String **name**

The localized name of this InfoObject.

description

protected java.lang.String **description**

The localized description of this InfoObject.

classNames

protected java.lang.String[] **classNames**

An array containing the fully qualified Java class names of the plugin-provided implementation classes and customizers for this object type.

Constructor Detail

InfoObject

```
protected InfoObject(java.lang.String pluginName,  
                    int ID,  
                    java.lang.String name,  
                    java.lang.String description,  
                    java.lang.String[] classNames)
```

Create a new InfoObject.

Parameters:

pluginName - The reverse-DNS name of the plugin supplying this InfoObject.

ID - The unique plugin-supplied identifier for this InfoObject.

`name` - The localized name of this `InfoObject`.

`description` - A localized descriptive note about this `InfoObject`.

`classNames` - Array to identify plugin-supplied classes related to this `InfoObject`. The array contains one entry for each of the `KEY_*` values listed in the subclass. The value for each entry is the corresponding fully qualified Java class name. Some subclasses use this array for filenames rather than class names.

Method Detail

getPluginName

```
public final java.lang.String getPluginName()
```

Return the name of the plugin providing this information.

Returns:

The plugin name.

getID

```
public final int getID()
```

Return the unique plugin-supplied identifier for this `InfoObject`.

Returns:

The unique plugin-supplied identifier.

getName

```
public final java.lang.String getName()
```

Return the localized name for this information.

Returns:

The localized name.

getDescription

```
public final java.lang.String getDescription()
```

Return the localized description.

Returns:

The localized description.

getClassName

```
public final java.lang.String getClassName(int key)
```

Return the fully qualified name of a plugin-supplied Java class or resource.

Plugin-provided features are typically implemented by a server-side class that provides runtime behavior, and a client-side customizer that enables a workflow analyst to provide invocation parameters for the feature. Features that are customizable in this way also have the ability to serialize and deserialize themselves to and from an XML representation. XML persistence is managed by plugin-provided objects that implement the [PluginData](#) interface (read/write support as required by design-time clients), and objects that implement the [PluginObject](#) interface (read-only support as required by the runtime engine). Plugins require no client-side installation or configuration - these classes and their instances are all downloaded dynamically using the RMI ClassLoader. The design-time client and run-time engine call the [PluginManager.getPluginObject\(java.lang.String, java.lang.String, java.util.Locale\)](#) method to retrieve instances of the implementation/customizer/serializer classes described by the corresponding InfoObject.

Parameters:

key - Classname key, defined by subclasses of InfoObject.

Returns:

A Java class name, if supported by the plugin.

Throws:

`ArrayIndexOutOfBoundsException` - if the key parameter lies outside the range supported by this information type.

toString

```
public java.lang.String toString()
```

Return a string representation of this InfoObject.

Overrides:

`toString` in class `java.lang.Object`

Returns:

The string representation.

equals

```
public boolean equals(java.lang.Object obj)
```

Test two InfoObject objects for equality.

Overrides:

`equals` in class `java.lang.Object`

Parameters:

`obj` - Object with which to compare this one.

Returns:

true if `obj` is an instance of `InfoObject` with the same description as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

```
public int compareTo(java.lang.Object o)
```

Compare two InfoObject objects.

Specified by:

`compareTo` in interface `java.lang.Comparable`

Parameters:

`o` - Object with which to compare this one.

Returns:

The result of comparing the `description` members using the `String.compareTo(Object)` method.

Throws:

`java.lang.ClassCastException` - if the `o` parameter is not of a compatible class.

See Also:

[equals\(java.lang.Object\)](#)

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WebLogic Process Integrator Version
2.0

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com.bea.wlpi.common.plugin

Class HelpSetInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- [com.bea.wlpi.common.plugin.HelpSetInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic final class **HelpSetInfo**extends [InfoObject](#)

Provides information about the context sensitive online help provided by a plugin. Plugins can support HTML and/or JavaHelp based help systems. Both types of help must be packaged in a .war file, and deployed as part of the WebLogic Process Integrator server (or cluster) application (named "WLPI Application" in the delivered config.xml file). The .war file must be deployed under the name of the plugin to which it relates, in order for WebLogic Process Integrator client applications to retrieve the help resource files correctly. Client applications can use the PluginManager's ClassLoader (or that of any of the EJBs in the "WLPI Application", come to that) to determine the URL of the server. Using the values supplied in a plugin's HelpSetInfo, a client application can then synthesize a full URL to access the help files through HTTP or HTTPS.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

static int	KEY_HELP_ID Key value to retrieve the JavaHelp help key or HTML filename for the main index page or table of contents.
static int	KEY_HELP_SET Key value to retrieve the .hs help set file name or HTML help base directory.

Fields inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[HelpSetInfo](#)(java.lang.String pluginName, java.lang.String name, java.lang.String description, java.lang.String[] helpNames, int helpType)

Create a new HelpSetInfo.

Method Summary

int [getHelpType](#)()

Return the type of online help provided by this plugin:

[PluginConstants.HELP_JAVA_HELP](#) or [PluginConstants.HELP_HTML](#).

Methods inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Field Detail

KEY_HELP_SET

```
public static final int KEY_HELP_SET
```

Key value to retrieve the .hs help set file name or HTML help base directory.

KEY_HELP_ID

```
public static final int KEY_HELP_ID
```

Key value to retrieve the JavaHelp help key or HTML filename for the main index page or table of contents.

Constructor Detail

HelpSetInfo

```
public HelpSetInfo(java.lang.String pluginName,  
                  java.lang.String name,  
                  java.lang.String description,  
                  java.lang.String[] helpNames,  
                  int helpType)
```

Create a new HelpSetInfo.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this online help set. It is also the name of the web application under which the .war file must be deployed, in order for client applications to form the correct URL for the help set.

`name` - The localized name of this `HelpSetInfo`. This string is used in user interface menus to access the help in a non-context sensitive fashion.

`description` - The localized description of this online help set.

`helpNames` - A two-element array to identify plugin-supplied help files. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is interpreted according to the value of the `helpType` parameter:

The name (less the `.htm` extension) of the HTML file containing the introductory screen or table of contents, relative to the directory specified by the `KEY_HELP_SET` entry. The HTML help file must have an extension of `.htm`.

help type	KEY_HELP_SET	KEY_HELP_ID
<code>HELP_JAVA_HELP</code>	The name of the JavaHelp HelpSet file, relative to the root of the <code>.war</code> file containing the help files (e.g., " <code>javahelp/MyPluginHelpSet.hs</code> ". If this does not include a file extension, JavaHelp automatically appends <code>.hs</code>).	The JavaHelp help key for the introductory screen or table of contents.
<code>HELP_HTML</code>	The name of the root directory of the help files, which must include a trailing slash (e.g., " <code>htmlhelp/</code> ").	

`helpType` - The types of help provided by this plugin:

[PluginConstants.HELP_JAVA_HELP](#) or [PluginConstants.HELP_HTML](#).

Method Detail

getHelpType

```
public int getHelpType()
```

Return the type of online help provided by this plugin:

[PluginConstants.HELP_JAVA_HELP](#) or [PluginConstants.HELP_HTML](#).

Returns:

The help type.

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2.0

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com.bea.wlpi.common.plugin

Class FunctionInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)

|
+-- [com.bea.wlpi.common.plugin.FunctionInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public final class **FunctionInfo**

extends [InfoObject](#)

Provides information about an evaluator function defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginFunction](#), [Serialized Form](#)

Field Summary

static int [KEY_EVALUATOR](#)

Key value to retrieve the [PluginFunction](#) implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
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[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[FunctionInfo](#)(java.lang.String pluginName, int ID,
 java.lang.String name, java.lang.String description,
 java.lang.String prototype, java.lang.String[] classNames,
 int argcmin, int argcmax)
 Create a new FunctionInfo.

Method Summary

int	getMaxArgCount () Return the maximum number of arguments permitted.
int	getMinArgCount () Return the minimum number of arguments permitted.
java.lang.String	getPrototype () Return the prototype of this function.

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class `java.lang.Object`

`clone`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `wait`, `wait`, `wait`

Field Detail

KEY_EVALUATOR

```
public static final int KEY_EVALUATOR
```

Key value to retrieve the [PluginFunction](#) implementation class name.

Constructor Detail

FunctionInfo

```
public FunctionInfo(java.lang.String pluginName,  
                    int ID,  
                    java.lang.String name,  
                    java.lang.String description,  
                    java.lang.String prototype,  
                    java.lang.String[] classNames,  
                    int argcmin,  
                    int argcmax)
```

Create a new `FunctionInfo`.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this function.

`ID` - The unique plugin-supplied identifier for this function.

`name` - The *non-localized* name of the function represented by this function.

`description` - The localized description of this function.

`prototype` - The localized prototype for this function, as pasted by the WebLogic Process Integrator Expression Editor. The function name in this prototype has to match the name parameter.

`classNames` - A single-element array to identify plugin-supplied classes related to this function. The array contains one entry for each of the `KEY_*` values listed above. The value

for each entry is the corresponding fully qualified Java class name.

`argcmin` - Minimum number of arguments permitted. The expression evaluator uses this information to validate calls to this function.

`argcmax` - Maximum number of arguments permitted. The expression evaluator uses this information to validate calls to this function.

Method Detail

getPrototype

```
public java.lang.String getPrototype()
```

Return the prototype of this function.

Returns:

The function prototype.

getMinArgCount

```
public int getMinArgCount()
```

Return the minimum number of arguments permitted.

Returns:

Minimum argument count.

getMaxArgCount

```
public int getMaxArgCount()
```

Return the maximum number of arguments permitted.

Returns:

Maximum argument count.

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com.bea.wlpi.common.plugin

Class FieldInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- [com.bea.wlpi.common.plugin.FieldInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic final class **FieldInfo**extends [InfoObject](#)

Provides information about a data field type defined by a plugin. Plugins can expose data associated with an external event as named fields that can be referenced from an evaluator expression.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginField](#), [Serialized Form](#)

Field Summary

static FieldInfo	DEFAULT_FIELD A built-in field type that supports expression validation but not evaluation.
static int	KEY_FIELD Key value to retrieve the PluginField implementation class name.
static FieldInfo	XMLFIELD A built-in field type that returns XML single-element textual values.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[FieldInfo](#)(java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, java.lang.String[] classNames, boolean supportsQualifiers)
Create a new FieldInfo.

Method Summary

boolean	supportsQualifiers ()
---------	--

Whether this field type supports dot-delimited qualified names.

Methods inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

```
clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

Field Detail

KEY_FIELD

```
public static final int KEY_FIELD
```

Key value to retrieve the [PluginField](#) implementation class name. The expression evaluator uses objects of this class when parsing and evaluating expressions that reference fields of this type, supplied by the plugin.

DEFAULT_FIELD

```
public static final FieldInfo DEFAULT_FIELD
```

A built-in field type that supports expression validation but not evaluation. This field type supports qualifiers. It is used to validate expressions that reference plugin-supplied data fields if the plugin itself is not currently loaded.

XMLFIELD

```
public static final FieldInfo XMLFIELD
```

A built-in field type that returns XML single-element textual values. This field type supports qualifiers (because XML is hierarchical).

Constructor Detail

FieldInfo

```
public FieldInfo(java.lang.String pluginName,  
                 int ID,  
                 java.lang.String name,  
                 java.lang.String description,  
                 java.lang.String[] classNames,  
                 boolean supportsQualifiers)
```

Create a new `FieldInfo`.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this field type.

`ID` - The unique plugin-supplied identifier for this field type.

`name` - The localized name of this field type.

`description` - The localized description of this field type.

`classNames` - A single-element array to identify plugin-supplied classes related to this field type. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

`supportsQualifiers` - Whether this field type supports dot-delimited qualified names. The expression evaluator uses this flag to determine whether a qualified field reference is valid in an expression in a plugin start, event or event key.

Method Detail

`supportsQualifiers`

```
public boolean supportsQualifiers()
```

Whether this field type supports dot-delimited qualified names.

Returns:

`true` if qualified names are supported.

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2.0

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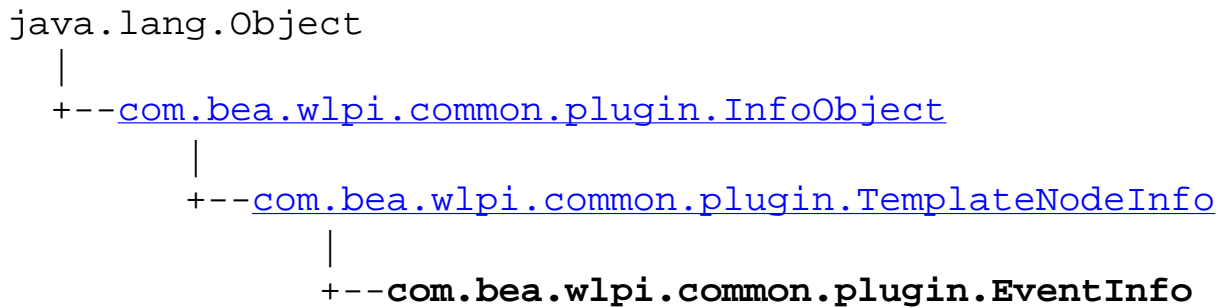
SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common.plugin Class **EventInfo**



All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public final class **EventInfo**
extends [TemplateNodeInfo](#)

Provides information about an event node type defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginTriggerPanel](#), [PluginEvent](#), [Serialized Form](#)

Field Summary

static int	KEY_DATA Key value to retrieve the PluginData implementation class name.
static int	KEY_EVENT Key value to retrieve the PluginEvent implementation class name.
static int	KEY_PANEL Key value to retrieve the PluginTriggerPanel implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[EventInfo](#)(java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, javax.swing.Icon icon, java.lang.String[] classNames, [FieldInfo](#) fieldInfo)

Create a new EventInfo object.

Method Summary

FieldInfo	getFieldInfo ()
---------------------------	---------------------------------

Return the field type for this event type.

Methods inherited from class [com.bea.wlpi.common.plugin.TemplateNodeInfo](#)

[getIcon](#)

Methods inherited from class `com.bea.wlpi.common.plugin.InfoObject`

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class `java.lang.Object`

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginTriggerPanel](#) implementation class name.

KEY_EVENT

```
public static final int KEY_EVENT
```

Key value to retrieve the [PluginEvent](#) implementation class name.

Constructor Detail

EventInfo

```
public EventInfo(java.lang.String pluginName,  
                 int ID,  
                 java.lang.String name,  
                 java.lang.String description,  
                 javax.swing.Icon icon,
```



```
java.lang.String[] classNames,  
FieldInfo fieldInfo)
```

Create a new `EventInfo` object.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this event type.

`ID` - The unique plugin-supplied identifier for this event type.

`name` - The localized name of this event type.

`description` - The localized description of this event type.

`icon` - The icon for this event type. This icon is used by the 'interface view' facility.

`classNames` - A three-element array to identify plugin-supplied classes related to this event type. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

`fieldInfo` - The field type processed by this event node type.

See Also:

[getFieldInfo\(\)](#)

Method Detail

getFieldInfo

```
public FieldInfo getFieldInfo()
```

Return the field type for this event type. The WebLogic Process Integrator expression evaluator requires this information in order to process event data in the format used by this event node type. If the plugin does not specify a field type, the evaluator will use the default [FieldInfo.DEFAULT_FIELD](#) field type to resolve field references in expressions (only in places where field references are permissible).

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com.bea.wlpi.common.plugin

Class EventHandlerInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- **com.bea.wlpi.common.plugin.EventHandlerInfo**

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic class **EventHandlerInfo**extends [InfoObject](#)

Provides information about an event handler defined by a plugin. Event handlers can be used to pre-process incoming event data. Event handlers can perform data format translation (for example, from a proprietary format into XML), or 'burst' an incoming event datum into separate components. Event handlers can pass the transformed data back to the standard event processor in order to use the built-in event key calculation and event watch candidate matching facilities, or can completely consume the event and drive WebLogic Process Integrator through the public API.

Since:

WebLogic Process Integrator 2.0

See Also:

[EventHandler](#), [Serialized Form](#)

Field Summary

static int [KEY_HANDLER](#)Key value to retrieve the [EventHandler](#) implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[EventHandlerInfo](#)(java.lang.String pluginName, java.lang.String name, java.lang.String description, java.lang.String[] classNames)
Create a new EventHandlerInfo.

Methods inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Field Detail

KEY_HANDLER

```
public static final int KEY_HANDLER
```

Key value to retrieve the [EventHandler](#) implementation class name.

Constructor Detail

EventHandlerInfo

```
public EventHandlerInfo(java.lang.String pluginName,  
                        java.lang.String name,  
                        java.lang.String description,  
                        java.lang.String[] classNames)
```

Create a new EventHandlerInfo.

Parameters:

pluginName - The reverse-DNS name of the plugin supplying this event handler.

name - The localized name of this event handler.

description - The localized description of this event handler.

classNames - A single-element array to identify plugin-supplied classes related to this event handler. The array contains one entry for each of the KEY_* values listed above. The value for each entry is the corresponding fully qualified Java class name.

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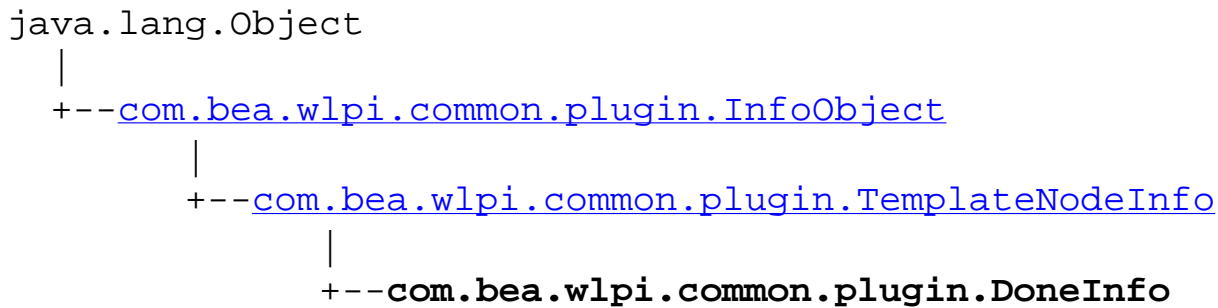
[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

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com.bea.wlpi.common.plugin Class DoneInfo



All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializable

public class **DoneInfo**

extends [TemplateNodeInfo](#)

Provides information about a done node type defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginDone](#), [Serialized Form](#)

Field Summary

static int	KEY_DATA Key value to retrieve the PluginData implementation class name.
static int	KEY_DONE Key value to retrieve the PluginDone implementation class name.
static int	KEY_PANEL Key value to retrieve the PluginPanel implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#), [CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#), [CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#), [DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#), [HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#), [INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#), [MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#), [NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#), [STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#), [STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#), [TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#), [TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#), [TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#), [TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#), [TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#), [TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#), [TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#), [TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[DoneInfo](#)(java.lang.String pluginName, int ID, java.lang.String name, java.lang.String description, javax.swing.Icon icon, java.lang.String[] classNames)

Create a new DoneInfo.

Methods inherited from class [com.bea.wlpi.common.plugin.TemplateNodeInfo](#)

[getIcon](#)

Methods inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class [java.lang.Object](#)

```
clone, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait
```

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginPanel](#) implementation class name.

KEY_DONE

```
public static final int KEY_DONE
```

Key value to retrieve the [PluginDone](#) implementation class name.

Constructor Detail

DoneInfo

```
public DoneInfo(java.lang.String pluginName,  
                int ID,  
                java.lang.String name,  
                java.lang.String description,  
                javax.swing.Icon icon,  
                java.lang.String[] classNames)
```

Create a new DoneInfo.

Parameters:

pluginName - The reverse-DNS name of the plugin supplying this done type.

ID - The unique plugin-supplied identifier for this done type.

name - The localized name of this done type.

`description` - The localized description of this done type.

`icon` - The icon for this done type. This icon is used by the 'interface view' in the design-time client.

`classNames` - A three-element array to identify plugin-supplied classes related to this `DoneInfo`. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

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com.bea.wlpi.common.plugin

Class ConfigurationInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- [com.bea.wlpi.common.plugin.ConfigurationInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic final class **ConfigurationInfo**extends [InfoObject](#)

Provides information about configuration information defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Field Summary

static int	KEY_DATA Key value to retrieve the PluginData implementation class name.
static int	KEY_PANEL Key value to retrieve the PluginPanel implementation class name.

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
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[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[ConfigurationInfo](#)(java.lang.String pluginName, int ID,
java.lang.String description, java.lang.String[] classNames)
Create a new ConfigurationInfo object.

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#),
[getPluginName](#), [toString](#)

Methods inherited from class java.lang.Object

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#),
[wait](#)

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginPanel](#) implementation class name.

Constructor Detail

ConfigurationInfo

```
public ConfigurationInfo(java.lang.String pluginName,  
                          int ID,  
                          java.lang.String description,  
                          java.lang.String[] classNames)
```

Create a new ConfigurationInfo object.

Parameters:

pluginName - The reverse-DNS name of the plugin supplying this ConfigurationInfo.

ID - The unique plugin-supplied identifier for this ConfigurationInfo.

description - The localized description of this ConfigurationInfo.

classNames - A two-element array to identify plugin-supplied classes related to this ConfigurationInfo. The array contains one entry for each of the KEY_* values listed above. The value for each entry is the corresponding fully qualified Java class name.

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com.bea.wlpi.common.plugin

Class ConfigurationData

java.lang.Object

|

+-- **com.bea.wlpi.common.plugin.ConfigurationData**

All Implemented Interfaces:

java.io.Serializable

public final class **ConfigurationData**

extends java.lang.Object

implements java.io.Serializable

Provides information about a plugin's configuration.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginConfiguration.getConfigurationData\(\)](#),[PluginManagerCfg.setPluginConfiguration\(java.lang.String,](#)[com.bea.wlpi.common.VersionInfo, int, java.lang.String\)](#), [Serialized](#)[Form](#)

Constructor Summary

[ConfigurationData](#)(java.lang.String pluginName, [VersionInfo](#) version, int status, int startMode, java.lang.String xml)

Create a new ConfigurationData object.

Method Summary

java.lang.String [getPluginName](#)()

Return the name of the plugin providing this information.

int [getStartMode](#)()

Return the startup mode of the plugin.

int	getStatus() Return the status of the plugin.
VersionInfo	getVersion() Return the plugin version.
java.lang.String	getXML() Return the plugin's XML configuration document.
java.lang.String	toString() Return a string representation of the object.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

ConfigurationData

```
public ConfigurationData(java.lang.String pluginName,
    VersionInfo version,
    int status,
    int startMode,
    java.lang.String xml)
```

Create a new ConfigurationData object.

Parameters:

pluginName - The reverse-DNS name of the plugin.

version - The plugin version.

status - The plugin's status: [PluginConstants.STATUS_MISSING](#), [PluginConstants.STATUS_ERROR](#), [PluginConstants.STATUS_DEPLOYED](#), [PluginConstants.STATUS_INITIALIZED](#), [PluginConstants.STATUS_UNLOADING](#),

[PluginConstants.STATUS_LOADING](#), [PluginConstants.STATUS_LOADED](#)

startMode - The plugin's startup mode: [PluginConstants.MODE_DISABLED](#), [PluginConstants.MODE_AUTOMATIC](#), [PluginConstants.MODE_MANUAL](#),

xml - An XML document containing the plugin-specific [configuration information](#).

Method Detail

getPluginName

```
public java.lang.String getPluginName()
```

Return the name of the plugin providing this information.

Returns:

The plugin name.

getStatus

```
public int getStatus()
```

Return the status of the plugin.

Returns:

The plugin status: [PluginConstants.STATUS_MISSING](#),
[PluginConstants.STATUS_ERROR](#), [PluginConstants.STATUS_DEPLOYED](#),
[PluginConstants.STATUS_INITIALIZED](#),
[PluginConstants.STATUS_UNLOADING](#),
[PluginConstants.STATUS_LOADING](#), [PluginConstants.STATUS_LOADED](#)

getStartMode

```
public int getStartMode()
```

Return the startup mode of the plugin.

Returns:

The plugin startup mode: [PluginConstants.MODE_DISABLED](#),
[PluginConstants.MODE_AUTOMATIC](#), [PluginConstants.MODE_MANUAL](#),

getVersion

```
public VersionInfo getVersion()
```

Return the plugin version.

Returns:

The plugin version.

getXML

```
public java.lang.String getXML()
```

Return the plugin's XML configuration document.

Returns:

[XML configuration information.](#)

toString

```
public java.lang.String toString()
```

Return a string representation of the object.

Overrides:

toString in class java.lang.Object

Returns:

String representation, showing the values of members.

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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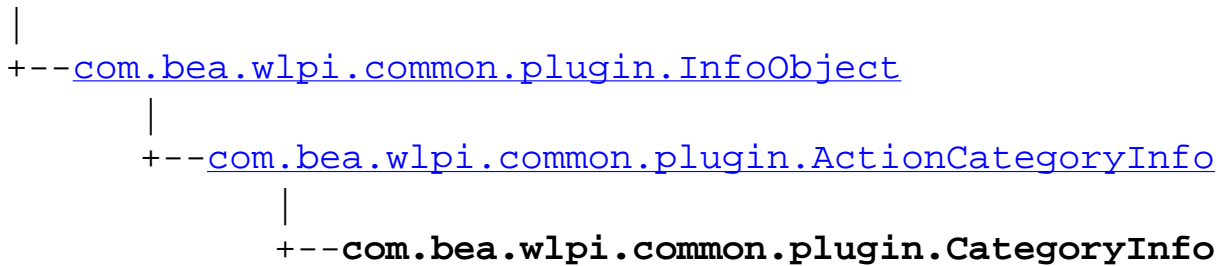
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com.bea.wlpi.common.plugin

Class CategoryInfo

java.lang.Object



All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic final class **CategoryInfo**extends [ActionCategoryInfo](#)

Provides information about an action category defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[Serialized Form](#)

Fields inherited from class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

[ID_EXCEPTION](#), [ID_INTEGRATION](#), [ID_MISCELLANEOUS](#), [ID_NEW](#), [ID_TASK](#),
[ID_WORKFLOW](#), [parentSystemID](#)

Fields inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface com.bea.wlpi.common.plugin.[PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[CategoryInfo](#)(java.lang.String pluginName, int ID,
java.lang.String name, java.lang.String description,
int parentSystemID, [ActionCategoryInfo](#)[] subNodes)

Create a new action category.

Method Summary

void	addSubNode (ActionCategoryInfo node) Add an action or sub-category to this category.
CategoryInfo	findCategory (int systemID) Find a category by systemID.
ActionCategoryInfo []	getSubnodes () Return a list of the action nodes belonging to this category.
int	getSystemID () Return the unique system ID assigned by the Plugin Manager.
int	setSystemID (int systemID) Set the category's system ID.

Methods inherited from class `com.bea.wlpi.common.plugin.ActionCategoryInfo`

[getParentSystemID](#)

Methods inherited from class `com.bea.wlpi.common.plugin.InfoObject`

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class `java.lang.Object`

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Constructor Detail

CategoryInfo

```
public CategoryInfo(java.lang.String pluginName,  
                    int ID,  
                    java.lang.String name,  
                    java.lang.String description,  
                    int parentSystemID,  
                    ActionCategoryInfo[] subNodes)
```

Create a new action category.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this action category.

`ID` - The plugin-assigned unique identifier for this action category.

`name` - The localized name of this action category.

`description` - The localized description of this action category.

`parentSystemID` - The system ID of this object's parent category.

`subnodes` - A list of actions or categories belonging to this category.

Method Detail

addSubNode

```
public void addSubNode(ActionCategoryInfo node)
```

Add an action or sub-category to this category. Called by the Plugin Manager when merging plugin-provided actions and categories into one tree. Plugins should define their subnodes by passing them to the constructor, rather than by calling this method.

Parameters:

node - The action or sub-category to add.

findCategory

```
public CategoryInfo findCategory(int systemID)
```

Find a category by systemID. The method recursively searches this category and its sub-categories to locate the category with a matching systemID. Called by the Plugin Manager when merging plugin-provided actions and categories into one tree.

Parameters:

systemID - The systemID of the category to find.

Returns:

The matching category, or null if not found.

getSubnodes

```
public ActionCategoryInfo[] getSubnodes()
```

Return a list of the action nodes belonging to this category.

Returns:

A list of actions and categories.

getSystemID

```
public int getSystemID()
```

Return the unique system ID assigned by the Plugin Manager.

Returns:

The unique system ID assigned by the Plugin Manager.

setSystemID

```
public int setSystemID(int systemID)
```

Set the category's system ID. The method sets the systemID for this category and the parentSystemID for its subnodes. It then recurses through any sub-categories, assigning a new systemID to each. Called by the Plugin Manager to assign a unique category ID to each category in a plugin-defined action category tree: clients must not call this method.

Parameters:

systemID - The starting system ID, assigned by the Plugin Manager.

Returns:

The last systemID assigned within the method.

Throws:

`java.lang.IllegalStateException` - if this method is called more than once.

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SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.common.plugin

Class ActionInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.plugin.InfoObject](#)|
+-- [com.bea.wlpi.common.plugin.ActionCategoryInfo](#)|
+-- [com.bea.wlpi.common.plugin.ActionInfo](#)

All Implemented Interfaces:

java.lang.Comparable, [PluginConstants](#), java.io.Serializablepublic final class **ActionInfo**extends [ActionCategoryInfo](#)

Provides information about an action defined by a plugin.

Since:

WebLogic Process Integrator 2.0

See Also:

[PluginAction](#), [Serialized Form](#)

Field Summary

static int	ACTION_STATE_ALL Flag indicating that this action is valid under all action states.
static int	ACTION_STATE_COMMIT Flag indicating that this action is valid in an exception handler.
static int	ACTION_STATE_COMMIT_ASYNC Flag indicating that this action is valid as an an asynchronously executed sub-action in an exception handler's commit path.
static int	ACTION_STATE_COMMIT_SYNC Flag indicating that this action is valid as a synchronously executed sub-action in an exception handler's commit path.

static int	<u>ACTION_STATE_NODE</u> Flag indicating that this action is valid in a node.
static int	<u>ACTION_STATE_NODE_ASYNC</u> Flag indicating that this action is valid as an asynchronously executed sub-action in a node.
static int	<u>ACTION_STATE_NODE_SYNC</u> Flag indicating that this action is valid as a synchronously executed sub-action in a node.
static int	<u>ACTION_STATE_ROLLBACK</u> Flag indicating that this action is valid as an action in an exception handler's rollback path.
static int	<u>ACTION_STATE_ROLLBACK_ASYNC</u> Flag indicating that this action is valid as an asynchronously executed sub-action in an exception handler's rollback path.
static int	<u>ACTION_STATE_ROLLBACK_SYNC</u> Flag indicating that this action is valid as a synchronously executed sub-action in an exception handler's rollback path.
static int	<u>ACTION_STATE_TRANS_ASYNC</u> The action has subactions that the system invokes asynchronously.
static int	<u>ACTION_STATE_TRANS_NONE</u> The action has no subactions.
static int	<u>ACTION_STATE_TRANS_SYNC</u> The action has subactions that the system invokes synchronously.
static int	<u>KEY_ACTION</u> Key value to retrieve the <u>PluginAction</u> implementation class name.
static int	<u>KEY_DATA</u> Key value to retrieve the <u>PluginActionData</u> implementation class name.
static int	<u>KEY_PANEL</u> Key value to retrieve the <u>PluginActionPanel</u> implementation class name.

Fields inherited from class [com.bea.wlpi.common.plugin.ActionCategoryInfo](#)

[ID_EXCEPTION](#), [ID_INTEGRATION](#), [ID_MISCELLANEOUS](#), [ID_NEW](#), [ID_TASK](#), [ID_WORKFLOW](#), [parentSystemID](#)

Fields inherited from class [com.bea.wlpi.common.plugin.InfoObject](#)

[classNames](#), [description](#), [ID](#), [name](#), [pluginName](#)

Fields inherited from interface [com.bea.wlpi.common.plugin.PluginConstants](#)

[CATEGORY_ID_BEGIN](#), [CATEGORY_ID_EXCEPTION](#), [CATEGORY_ID_INTEGRATION](#),
[CATEGORY_ID_MISCELLANEOUS](#), [CATEGORY_ID_NEW](#), [CATEGORY_ID_TASK](#),
[CATEGORY_ID_WORKFLOW](#), [DEFINITION_CREATED](#), [DEFINITION_DELETED](#),
[DEFINITION_UPDATED](#), [EVENT_NOTIFICATION_ALL](#), [EVENT_NOTIFICATION_NONE](#),
[HELP_HTML](#), [HELP_JAVA_HELP](#), [INSTANCE_ABORTED](#), [INSTANCE_COMPLETED](#),
[INSTANCE_CREATED](#), [INSTANCE_DELETED](#), [INSTANCE_UPDATED](#), [MODE_AUTOMATIC](#),
[MODE_DISABLED](#), [MODE_MANUAL](#), [NOTIFICATION_DEFINITION](#),
[NOTIFICATION_INSTANCE](#), [NOTIFICATION_TASK](#), [NOTIFICATION_TEMPLATE](#),
[STATUS_DEPLOYED](#), [STATUS_ERROR](#), [STATUS_INITIALIZED](#), [STATUS_LOADED](#),
[STATUS_LOADING](#), [STATUS_MISSING](#), [STATUS_UNLOADING](#), [TASK_ASSIGNED](#),
[TASK_COMPLETED](#), [TASK_EXECUTED](#), [TASK_OVERDUE](#), [TASK_STARTED](#),
[TASK_UNASSIGNED](#), [TASK_UNMARKED_DONE](#), [TASK_UPDATED](#), [TEMPLATE_CREATED](#),
[TEMPLATE_DELETED](#), [TEMPLATE_UPDATED](#), [TYPE_ACTION_INFO](#),
[TYPE_CONFIGURATION_INFO](#), [TYPE_DONE_INFO](#), [TYPE_EVENT_HANDLER_INFO](#),
[TYPE_EVENT_INFO](#), [TYPE_FIELD_INFO](#), [TYPE_FUNCTION_INFO](#),
[TYPE_HELP_SET_INFO](#), [TYPE_START_INFO](#),
[TYPE_TEMPLATE_DEFINITION_PROPERTIES_INFO](#),
[TYPE_TEMPLATE_PROPERTIES_INFO](#), [TYPE_VARIABLE_TYPE_INFO](#)

Constructor Summary

[ActionInfo](#)(java.lang.String pluginName, int ID,
java.lang.String name, java.lang.String description,
javax.swing.Icon icon, int parentSystemID, int actionStateMask,
int actionStateTrans, java.lang.String[] subActionLabels,
java.lang.String[] classNames)
Create a new ActionInfo object.

[ActionInfo](#)(java.lang.String pluginName, int ID,
java.lang.String name, java.lang.String description,
javax.swing.Icon icon, int parentSystemID, int actionStateMask,
java.lang.String[] classNames)
Create a new ActionInfo object.

Method Summary

int	getActionStateTrans ()
-----	---

Return the action state transition caused by opening an action dialog.

javax.swing.Icon	getIcon() Return the plugin-provided icon for this action.
java.lang.String[]	getSubActionLabels() Return the localized labels to use for each subaction list.
boolean	isValidActionState(int actionState) Indicates if the specified action is valid in the specified action state.

Methods inherited from class com.bea.wlpi.common.plugin.[ActionCategoryInfo](#)

[getParentSystemID](#)

Methods inherited from class com.bea.wlpi.common.plugin.[InfoObject](#)

[compareTo](#), [equals](#), [getClassName](#), [getDescription](#), [getID](#), [getName](#), [getPluginName](#), [toString](#)

Methods inherited from class java.lang.Object

[clone](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Field Detail

KEY_DATA

```
public static final int KEY_DATA
```

Key value to retrieve the [PluginActionData](#) implementation class name.

KEY_PANEL

```
public static final int KEY_PANEL
```

Key value to retrieve the [PluginActionPanel](#) implementation class name.

KEY_ACTION

```
public static final int KEY_ACTION
```

Key value to retrieve the [PluginAction](#) implementation class name.

ACTION_STATE_TRANS_NONE

```
public static final int ACTION_STATE_TRANS_NONE
```

The action has no subactions.

ACTION_STATE_TRANS_SYNC

```
public static final int ACTION_STATE_TRANS_SYNC
```

The action has subactions that the system invokes synchronously.

ACTION_STATE_TRANS_ASYNC

```
public static final int ACTION_STATE_TRANS_ASYNC
```

The action has subactions that the system invokes asynchronously.

ACTION_STATE_NODE

```
public static final int ACTION_STATE_NODE
```

Flag indicating that this action is valid in a node.

ACTION_STATE_NODE_SYNC

```
public static final int ACTION_STATE_NODE_SYNC
```

Flag indicating that this action is valid as a synchronously executed sub-action in a node.

ACTION_STATE_NODE_ASYNC

```
public static final int ACTION_STATE_NODE_ASYNC
```

Flag indicating that this action is valid as an asynchronously executed sub-action in a node.

ACTION_STATE_COMMIT

```
public static final int ACTION_STATE_COMMIT
```

Flag indicating that this action is valid in an exception handler.

ACTION_STATE_COMMIT_SYNC

```
public static final int ACTION_STATE_COMMIT_SYNC
```

Flag indicating that this action is valid as a synchronously executed sub-action in an exception handler's commit path.

ACTION_STATE_COMMIT_ASYNC

```
public static final int ACTION_STATE_COMMIT_ASYNC
```

Flag indicating that this action is valid as an an asynchronously executed sub-action in an exception handler's commit path.

ACTION_STATE_ROLLBACK

```
public static final int ACTION_STATE_ROLLBACK
```

Flag indicating that this action is valid as an an action in an exception handler's rollback path.

ACTION_STATE_ROLLBACK_SYNC

```
public static final int ACTION_STATE_ROLLBACK_SYNC
```

Flag indicating that this action is valid as a synchronously executed sub-action in an exception handler's rollback path.

ACTION_STATE_ROLLBACK_ASYNC

```
public static final int ACTION_STATE_ROLLBACK_ASYNC
```

Flag indicating that this action is valid as an an asynchronously executed sub-action in an exception handler's rollback path.

ACTION_STATE_ALL

```
public static final int ACTION_STATE_ALL
```

Flag indicating that this action is valid under all action states. The value is the bitwise OR of all legal action states.

Constructor Detail

ActionInfo

```
public ActionInfo(java.lang.String pluginName,  
                  int ID,  
                  java.lang.String name,  
                  java.lang.String description,  
                  javax.swing.Icon icon,  
                  int parentSystemID,  
                  int actionStateMask,  
                  java.lang.String[] classNames)
```

Create a new ActionInfo object. The action described does not have sub-actions.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this action.

`ID` - The unique plugin-supplied identifier for this action.

`name` - The localized name of this action.

`description` - The localized description of this action.

`icon` - The icon for this action. This icon is used by the 'interface view' facility.

`classNames` - A three-element array to identify plugin-supplied classes related to this action. The array contains one entry for each of the `KEY_*` values listed above. The value for each entry is the corresponding fully qualified Java class name.

`parentSystemID` - The system ID of this action's parent category.

`actionStateMask` - A bit mask describing the action states in which this action is valid. The value is constructed by bitwise-ORing one or more of the following values:

[ACTION_STATE_NODE](#), [ACTION_STATE_NODE_SYNC](#),

[ACTION_STATE_NODE_ASYNC](#), [ACTION_STATE_COMMIT](#),
[ACTION_STATE_COMMIT_SYNC](#), [ACTION_STATE_COMMIT_ASYNC](#),
[ACTION_STATE_ROLLBACK](#), [ACTION_STATE_ROLLBACK_SYNC](#),
[ACTION_STATE_ROLLBACK_ASYNC](#).

ActionInfo

```
public ActionInfo(java.lang.String pluginName,  
                 int ID,  
                 java.lang.String name,  
                 java.lang.String description,  
                 javax.swing.Icon icon,  
                 int parentSystemID,  
                 int actionStateMask,  
                 int actionStateTrans,  
                 java.lang.String[] subActionLabels,  
                 java.lang.String[] classNames)
```

Create a new ActionInfo object. The action described has one or more sub-action lists, all of which are executed either synchronously or asynchronously. A plugin action cannot define multiple subaction lists that are executed in different modes.

Parameters:

`pluginName` - The reverse-DNS name of the plugin supplying this action.

`ID` - The unique plugin-supplied identifier for this action.

`name` - The localized name of this action.

`description` - The localized description of this action.

`icon` - The icon for this action. This icon is used by the 'interface view' facility.

`classNames` - Array to identify plugin-supplied classes related to this action. The array contains one entry for each of the key values listed above. The value for each entry is the corresponding fully qualified Java class name.

`parentSystemID` - The system ID of this action's parent category.

`actionStateMask` - A bit mask describing the action states in which this action is valid. The value is constructed by bitwise-ORing one or more of the following values:

[ACTION_STATE_NODE](#), [ACTION_STATE_NODE_SYNC](#),
[ACTION_STATE_NODE_ASYNC](#), [ACTION_STATE_COMMIT](#),
[ACTION_STATE_COMMIT_SYNC](#), [ACTION_STATE_COMMIT_ASYNC](#),
[ACTION_STATE_ROLLBACK](#), [ACTION_STATE_ROLLBACK_SYNC](#),
[ACTION_STATE_ROLLBACK_ASYNC](#).

`actionStateTrans` - The action state transition that results from executing the action's sub actions. One of: [ACTION_STATE_TRANS_NONE](#), [ACTION_STATE_TRANS_SYNC](#), [ACTION_STATE_TRANS_ASYNC](#).

`subActionLabels` - Localized action list labels. Null if the action does not have sub actions. The array index of each label corresponds to the `index` parameter of the [ActionContext.executeSubActionList\(int, com.bea.wlpi.server.common.ExecutionContext\)](#) method. To execute a subaction list synchronously, the plugin action calls this method from its [PluginAction.execute\(com.bea.wlpi.server.plugin.ActionContext, com.bea.wlpi.server.common.ExecutionContext\)](#) method. To execute a subaction list asynchronously, the plugin action calls the method from its [PluginAction.response\(com.bea.wlpi.server.plugin.ActionContext, com.bea.wlpi.server.common.ExecutionContext, java.lang.Object\)](#) method. The latter call results from the public API call [Worklist.response\(String, String, String, Object\)](#) method, or a related overload.

Throws:

`java.lang.IllegalArgumentException` - if the value of `actionStateTrans` is invalid or does not agree with that for `subActionLabels`.

Method Detail

getActionStateTrans

```
public int getActionStateTrans()
```

Return the action state transition caused by opening an action dialog.

Returns:

The action state transition, if any.

getIcon

```
public javax.swing.Icon getIcon()
```

Return the plugin-provided icon for this action.

Returns:

The action icon.

getSubActionLabels

```
public java.lang.String[] getSubActionLabels()
```

Return the localized labels to use for each subaction list. The size of the returned array indicates the number of subaction lists supported by this action.

Returns:

Localized subaction list labels.

isValidActionState

```
public boolean isValidActionState(int actionState)
```

Indicates if the specified action is valid in the specified action state.

Parameters:

The - current action state.

Returns:

true if valid.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

*WebLogic Process Integrator Version
2.0*

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.server.plugin

Class TaskNotification

java.lang.Object



All Implemented Interfaces:

java.io.Serializable

public final class **TaskNotification**

extends [PluginNotification](#)

Notification object that describes a change to a task instance.

Since:

WebLogic Process Integrator 2.0

See Also:

[Plugin.taskChanged\(com.bea.wlpi.server.plugin.TaskNotification\)](#),
[Serialized Form](#)

Fields inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)

[eventType](#), [source](#)

Method Summary

[TaskInfo](#) [getTask](#)()

Return information about the affected task.

Methods inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)

[getEventType](#), [getSource](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

getTask

```
public TaskInfo getTask()
```

Return information about the affected task.

Returns:

Task information.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

*WebLogic Process Integrator Version
2.0*

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.server.serverproperties

Interface ServerPropertiesHome

All Superinterfaces:

[javax.ejb.EJBHome](#), [java.rmi.Remote](#)

public interface **ServerPropertiesHome**

extends [javax.ejb.EJBHome](#)

Home interface for the [ServerProperties](#) session EJB.

Method Summary

[ServerProperties](#) **create**()

Create a remote object that implements the [ServerProperties](#) interface.

Methods inherited from interface [javax.ejb.EJBHome](#)

[getEJBMetaData](#), [getHomeHandle](#), [remove](#), [remove](#)

Method Detail

create

```
public ServerProperties create( )  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a remote object that implements the [ServerProperties](#) interface.

Throws:

- [javax.ejb.CreateException](#) - if the remote object could not be created.
- [java.rmi.RemoteException](#) - if a communications error occurred.

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com.bea.eci.repository.ejb

Interface XMLRepository

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **XMLRepository**

extends javax.ejb.EJBObject

The remote methods for accessing and manipulating the XML Entity Repository using a statless session EJB. This version does not support repository object versioning - all methods deal with the latest version of objects in the repository.

Since:

WebLogic Process Integrator 2.0

Method Summary

void	addChildFolder (RepositoryFolderInfo child, RepositoryFolderInfo parent) Place an exiting folder inside another (existing) folder.
void	addEntityToFolder (XMLEntityInfo xei, RepositoryFolderInfo rfi) Place an existing entity in an existing folder.
XMLEntityInfo	createEntity (int type, java.lang.String name, java.lang.String desc, java.lang.String notes, java.lang.String content, RepositoryFolderInfo parent) Create a new XML entity in the repository, within an existing folder if desired.
RepositoryFolderInfo	createFolder (java.lang.String type, java.lang.String name, java.lang.String desc, java.lang.String notes, RepositoryFolderInfo parent) Creates a new folder in the repository.
void	deleteEntity (XMLEntityInfo xei) Completely remove an entity from the repository.
void	deleteFolder (RepositoryFolderInfo rfi) Delete a folder from the repository.
java.util.List	getAllEntities () Returns a list of all the entities in the repository.
java.util.List	getAllFolders () Returns a list of all the folders in the repository.
java.util.List	getChildDocs (RepositoryFolderInfo rfi) Obtains a list of entities that are children of a given folder.
java.util.List	getChildFolders (RepositoryFolderInfo rfi) Obtains a list of the child folders of a given folder.
XMLEntityInfo	getEntity (java.lang.String name) Retrieves an entity from the repository, including its content.
XMLEntityInfo	getEntity (java.lang.String name, int type) Retrieves an entity from the repository, including its content of the specified type.
java.util.List	getEnvVars () Provides the values of the environment variables used by the EJB for connections to the repository.
RepositoryFolderInfo	getFolderInfo (java.lang.String name) Retrieves the information about a repository folder identified by its name.
RepositoryFolderInfo	getFolderInfo (java.lang.String type, java.lang.String name) Retrieves the information about a repository folder of a given name and type.

javax.swing.tree.DefaultMutableTreeNode	getObjectFolderTree (javax.swing.tree.DefaultMutableTreeNode node) Builds a tree structure of all the folders in the repository.
void	ping () An empty method that allows clients to ensure that the EJB is active.
void	removeChildFolder (RepositoryFolderInfo child, RepositoryFolderInfo parent) Remove a reference between a child folder and its parent folder.
void	removeEntityFromFolder (XMLEntityInfo xei, RepositoryFolderInfo rfi) Remove an entity from a folder, but do not delete the entity.
void	renameEntity (java.lang.String curName, java.lang.String newName) Change the name of an entity.
void	renameFolder (java.lang.String curName, java.lang.String newName) Change the name of a folder.
void	updateEntity (XMLEntityInfo xei) Update an entity's description, notes and content fields.
void	updateFolder (RepositoryFolderInfo rfi) Update a folder's description and notes fields.

Methods inherited from interface javax.ejb.EJBObject

[getEJBHome](#), [getHandle](#), [getPrimaryKey](#), [isIdentical](#), [remove](#)

Method Detail

getChildFolders

```
public java.util.List getChildFolders(RepositoryFolderInfo rfi)
    throws RepositoryException,
           java.rmi.RemoteException
```

Obtains a list of the child folders of a given folder. Currently only child folders of type `ObjectFolder` are returned in the list.

Parameters:

`rfi` - a `RepositoryFolderInfo` object representing the folder for which the children are being obtained (the parent). If null all top-level (without a parent) folders are retrieved.

Returns:

a `List` of `RepositoryFolderInfo` objects, one for each child folder, or an empty list if the folder doesn't contain any child folders.

getChildDocs

```
public java.util.List getChildDocs(RepositoryFolderInfo rfi)
    throws RepositoryException,
           java.rmi.RemoteException
```

Obtains a list of entities that are children of a given folder.

Parameters:

`rfi` - a `RepositoryFolderInfo` object representing the folder for which the children are obtained - if null the entities not contained in any folder are retrieved.

Returns:

a `List` of `XMLEntityInfo` objects, one for each child object, or an empty list if the folder doesn't contain any children. The `type` field of each `XMLEntityInfo` object is set based on the type of the `com.bea.repository.RepositoryVersionedObject`'s first retrieved content. The `XMLEntityInfo` objects do not contain the contents of the object, only the name, type, and meta-data associated with the entity.

removeChildFolder

```
public void removeChildFolder(RepositoryFolderInfo child,  
                             RepositoryFolderInfo parent)  
    throws RepositoryException,  
           java.rmi.RemoteException
```

Remove a reference between a child folder and its parent folder. This does not delete the child folder from the repository - it only removes the the reference between the parent and child. The child folder becomes a top-level folder (parent-less) if there are no other folders referring to the child, or it remains a child of the other folders that refer to it.

Parameters:

child - the [RepositoryFolderInfo](#) object representing the child folder being dereferenced from the parent.

parent - the [RepositoryFolderInfo](#) object representing the parent folder from which the child is being dereferenced.

addChildFolder

```
public void addChildFolder(RepositoryFolderInfo child,  
                          RepositoryFolderInfo parent)  
    throws RepositoryException,  
           java.rmi.RemoteException
```

Place an existing folder inside another (existing) folder. This simply creates a reference from the parent to the child folder.

Parameters:

child - a [RepositoryFolderInfo](#) object representing the folder being placed in another folder.

parent - a [RepositoryFolderInfo](#) object representing the folder that the child is being placed into.

deleteFolder

```
public void deleteFolder(RepositoryFolderInfo rfi)  
    throws RepositoryException,  
           java.rmi.RemoteException
```

Delete a folder from the repository. The folder may not have any child folders, and any XML entities in the folder will become orphaned - they will remain defined in the repository and simply not be associated with the folder being deleted, i.e. they will appear as top-level entities if they are not children of any other folders or will simply remain children of any other folders they are in.

Parameters:

rfi - the [RepositoryFolderInfo](#) object representing the [ObjectFolder](#) that will be deleted.

createFolder

```
public RepositoryFolderInfo createFolder(java.lang.String type,  
                                         java.lang.String name,  
                                         java.lang.String desc,  
                                         java.lang.String notes,  
                                         RepositoryFolderInfo parent)  
    throws RepositoryException,  
           java.rmi.RemoteException
```

Creates a new folder in the repository. Optionally, the newly created folder is made a child folder of a specified folder.

Parameters:

name - a non-null [String](#) containing the name of the folder being created. The name must be unique within the repository for all [ObjectFolders](#).

desc - a [String](#) containing a description of the folder being created. May be null.

notes - a [String](#) containing notes about the folder being created. May be null.

parent - a [RepositoryFolderInfo](#) object representing an existing object folder that the newly created folder will be a child of, or null to create the new folder as a top-level (parentless) folder.

Returns:

a [RepositoryFolderInfo](#) object representing the newly created folder.

updateFolder

```
public void updateFolder(RepositoryFolderInfo rfi)
    throws RepositoryException,
        java.rmi.RemoteException
```

Update a folder's description and notes fields.

Parameters:

`rfi` - a `RepositoryFolderInfo` object with the name and type fields identifying the folder to be updated, and the description and notes fields containing the new data. **Note:** The name and type fields must identify a folder existing in the repository.

removeEntityFromFolder

```
public void removeEntityFromFolder(XMLEntityInfo xei,
    RepositoryFolderInfo rfi)
    throws RepositoryException,
        java.rmi.RemoteException
```

Remove an entity from a folder, but do not delete the entity. The entity's reference to the parent folder is removed causing the entity to no longer be a child of the specified folder - it will remain a child of any other folders it references as a parent folder or will become parent-less (top-level) if it has no other references to parent folders.

Parameters:

`xei` - an `XMLEntityInfo` object representing the entity to be removed from the specified folder.
`rfi` - a `RepositoryFolderInfo` object representing the folder from which the entity will be removed.

addEntityToFolder

```
public void addEntityToFolder(XMLEntityInfo xei,
    RepositoryFolderInfo rfi)
    throws RepositoryException,
        java.rmi.RemoteException
```

Place an existing entity in an existing folder. This simply creates a reference between the folder and the entity.

Parameters:

`xei` - an `XMLEntityInfo` object representing the entity being placed in the folder.
`rfi` - a `RepositoryFolderInfo` object representing the folder into which the entity is being placed.

updateEntity

```
public void updateEntity(XMLEntityInfo xei)
    throws RepositoryException,
        java.rmi.RemoteException
```

Update an entity's description, notes and content fields. **Note :** the repository supports entities having multiple contents but this method only supports a single content type for the entity: that being the type obtained from the passed in object - it is not possible to change the entity's type using this method, if, for example, the entity is of type DTD, the content of type DTD will be updated regardless of other contents that may be associated with the entity.

Parameters:

`xei` - an `XMLEntityInfo` object that represents an existing entity in the repository - the name field must identify an existing entity and the type field specifies the entity's content that will be updated - the description, notes, and content fields contain the new values the entity will be updated with.

renameEntity

```
public void renameEntity(java.lang.String curName,
```

```
        java.lang.String newName)
throws RepositoryException,
        java.rmi.RemoteException
```

Change the name of an entity.

Parameters:

curName - a String containing the current name of the entity.
newName - a String containing the entity's new name.

renameFolder

```
public void renameFolder(java.lang.String curName,
        java.lang.String newName)
throws RepositoryException,
        java.rmi.RemoteException
```

Change the name of an folder.

Parameters:

curName - a String containing the current name of the folder.
newName - a String containing the folder's new name.

deleteEntity

```
public void deleteEntity(XMLEntityInfo xei)
throws RepositoryException,
        java.rmi.RemoteException
```

Completely remove an entity from the repository. This will remove the entity from all folders it is a child of and delete the entity from the repository.

Parameters:

xei - an XMLEntityInfo object representing the entity that will be removed from the repository. The only required field is name, which uniquely identifies the entity.

createEntity

```
public XMLEntityInfo createEntity(int type,
        java.lang.String name,
        java.lang.String desc,
        java.lang.String notes,
        java.lang.String content,
RepositoryFolderInfo parent)
throws RepositoryException,
        java.rmi.RemoteException
```

Create a new XML entity in the repository, within an existing folder if desired. The entity created will have a single associated content, if content is provided.

Parameters:

type - an int containing the type of the entity being created.
name - a String containing the name of the entity being created.
desc - a String containing a description of the entity being created.
notes - a String containing notes about the entity being created.
parent - a RepositoryFolderInfo object representing the folder in which the entity should be placed. May be null if the entity is simple being created without a parent folder.

Returns:

an XMLEntityInfo object representing the entity that was created, or null if the entity was not found. **Note:** the type of this object will be forced to Types.NO_CONTENT if the content field is null.

getEntity

```
public XMLEntityInfo getEntity(java.lang.String name)
    throws RepositoryException,
           java.rmi.RemoteException
```

Retrieves an entity from the repository, including its content. This method only supports entities having a single content associated with them - if the named entity has multiple contents only the first retrieved content type is returned.

Parameters:

name - a String containing the name of the TextDocument to retrieve.

Returns:

an XMLEntityInfo object representing the entity in the repository, complete with content, or null if the entity was not found.

getEntity

```
public XMLEntityInfo getEntity(java.lang.String name,
    int type)
    throws RepositoryException,
           java.rmi.RemoteException
```

Retrieves an entity from the repository, including its content of the specified type. This method supports entities having multiple contents.

Parameters:

name - a String containing the name of the TextDocument to retrieve.

type - a int containing the content type, as defined in `com.bea.eci.repository.helper.Types`, to retrieve. **Note** : only the following content types are supported:

- Types.DTD
- Types.MFL
- Types.TEXT
- Types.XML
- Types.XML_SCHEMA
- Types.XSLT
- Types.NO_CONTENT

Returns:

an XMLEntityInfo object representing the entity in the repository identified by name and type, or null if the specified entity is not defined in the repository.

getFolderInfo

```
public RepositoryFolderInfo getFolderInfo(java.lang.String type,
    java.lang.String name)
    throws RepositoryException,
           java.rmi.RemoteException
```

Retrieves the information about a repository folder of a given name and type.

Parameters:

type - a String containing the type of the repository folder. Value is one from `com.bea.eci.repository.helper.Types`. **Note** : Only folders of type `com.bea.eci.repository.helper.Types.OBJECT_FOLDER` are currently supported (`com.bea.repository.ObjectFolders`) - any other type will return null.

name - a String containing the name of the folder for which information is being retrieved.

Returns:

a RepositoryFolderInfo object representing the folder identified by name and type, or null if the identified folder is not defined in the repository.

getFolderInfo

```
public RepositoryFolderInfo getFolderInfo(java.lang.String name)
    throws RepositoryException,
           java.rmi.RemoteException
```

Retrieves the information about a repository folder identified by its name.

Parameters:

name - a String containing the name of the folder for which information is being retrieved.

Returns:

a [RepositoryFolderInfo](#) object representing an [ObjectFolder](#) identified by name, or null if the folder is not defined in the repository.

getObjectFolderTree

```
public javax.swing.tree.DefaultMutableTreeNode
getObjectFolderTree(javax.swing.tree.DefaultMutableTreeNode node)
    throws
RepositoryException,
```

```
java.rmi.RemoteException
```

Builds a tree structure of all the folders in the repository. The children of the supplied node are all the top-level (without parent) folders repository. Each of the child nodes is recursively populated with nodes representing their respective children. The children nodes are all [DefaultMutableTreeNode](#) objects with the user object a [RepositoryFolderInfo](#) object.

Parameters:

top - a [DefaultMutableTreeNode](#) that represents the root of the repository.

Returns:

a new [DefaultMutableTreeNode](#) representing the top with all the children (folder) nodes.

getAllEntities

```
public java.util.List getAllEntities()
    throws RepositoryException,
           java.rmi.RemoteException
```

Returns a list of all the entities in the repository.

Returns:

a List of [XMLEntityInfo](#) objects one for each [TextDocument](#) defined in the repository - if no entities are defined an empty list is returned. The [XMLEntityInfo](#) objects do not contain the content, only the name, type, and meta-data are provided.

getAllFolders

```
public java.util.List getAllFolders()
    throws RepositoryException,
           java.rmi.RemoteException
```

Returns a list of all the folders in the repository.

Returns:

a List of [RepositoryFolderInfo](#) objects one for each [ObjectFolder](#) defined in the repository. If no folders are defined an empty list is returned.

getEnvVars

```
public java.util.List getEnvVars()
```

throws java.rmi.RemoteException

Provides the values of the environment variables used by the EJB for connections to the repository.

Returns:

a List containing the values of the environment variables used by the EJB to connect to the repository. The variables' values will appear in the following order:

- o connection
- o datasource/name
- o jdbc/className
- o jdbc/url
- o jdbc/server

ping

```
public void ping()
```

```
    throws java.rmi.RemoteException
```

An empty method that allows clients to ensure that the EJB is active.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

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[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.client.worklist

Class WorklistPane

```
java.lang.Object
|
+--java.awt.Component
    |
    +--java.awt.Container
        |
        +--javax.swing.JComponent
            |
            +--javax.swing.JRootPane
                |
                +--com.bea.wlpi.client.worklist.WorklistPane
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, javax.swing.event.ChangeListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.jms.MessageListener, java.io.Serializable

```
public class WorklistPane
```

```
extends javax.swing.JRootPane
```

```
implements java.awt.event.ActionListener, javax.swing.event.ChangeListener, javax.jms.MessageListener
```

A WebLogic Process Integrator Worklist. This component is designed to be embedded in third-party applications or applets.

See Also:

[WorklistAddIn](#), [WorklistApplet](#), [WorklistFrame](#), [loadProperties\(\)](#), [storeProperties\(\)](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JRootPane

```
javax.swing.JRootPane.AccessibleJRootPane,
javax.swing.JRootPane.RootLayout
```

Inner classes inherited from class javax.swing.JComponent

```
javax.swing.JComponent.AccessibleJComponent
```

Inner classes inherited from class java.awt.Container

```
java.awt.Container.AccessibleAWTContainer
```

Inner classes inherited from class java.awt.Component

Field Summary

protected static java.lang.String [AUDIO_NOTIFICATION](#)

protected static java.lang.String [CMD_ABOUT](#)

protected static java.lang.String [CMD_ATTACHMENTS](#)

protected static java.lang.String [CMD_DONE](#)

protected static java.lang.String [CMD_EXECUTE](#)

protected static java.lang.String [CMD_EXIT](#)

protected static java.lang.String [CMD_INACTIVE](#)

protected static java.lang.String [CMD_LOGOFF](#)

protected static java.lang.String [CMD_LOGON](#)

protected static java.lang.String [CMD_LOGONMSG](#)

protected static java.lang.String [CMD_MARK_DONE](#)

protected static java.lang.String [CMD_OPTIONS](#)

protected static java.lang.String [CMD_ORG](#)

protected static java.lang.String [CMD_PENDING](#)

protected static java.lang.String [CMD_PROPERTIES](#)

protected static java.lang.String [CMD_REASSIGN](#)

protected static java.lang.String [CMD_REFRESH](#)

protected static java.lang.String [CMD_START](#)

protected static java.lang.String [CMD_STATUS](#)

protected static java.lang.String	<u>CMD TAKE</u>
protected static java.lang.String	<u>CMD_UNMARK_DONE</u>
static boolean	<u>debug</u>
protected static java.lang.String	<u>DONE</u>
protected static java.lang.String	<u>ERROR_MESSAGE</u>
protected static java.lang.String	<u>H</u>
protected static java.lang.String	<u>IMAGE_PATH</u>
protected static java.lang.String	<u>INACTIVE</u>
protected static java.lang.String	<u>JMS_FACTORY</u>
protected static java.lang.String	<u>JNDI_FACTORY</u>
protected static java.lang.String	<u>LOGON_MESSAGE</u>
protected static java.lang.String	<u>LOOK_AND_FEEL</u>
protected static java.lang.String	<u>MAX_LIST_ITEMS_PER_CALL</u>
protected static java.lang.String	<u>MESSAGE_BUNDLE</u>
protected static java.lang.String	<u>NEWLINE</u>
protected static java.lang.String	<u>NOTIFICATION_THRESHOLD</u>
protected static java.lang.String	<u>NOTIFY_TOPIC</u>
protected static java.lang.String	<u>PENDING</u>
protected java.util.Properties	<u>prop</u>
protected static java.lang.String	<u>PROPERTIES_FILENAME</u>
protected static java.lang.String	<u>PROPERTY_PREFIX</u>

protected static java.lang.String	RESOURCE_BUNDLE
protected static java.lang.String	TASK_NOTIFICATION
protected static java.lang.String	URL
protected static java.lang.String	USERID
protected static java.lang.String	W
protected static java.lang.String	WARNING_MESSAGE
protected WLPI	wlpi
protected static java.lang.String	X
protected static java.lang.String	Y

Fields inherited from class javax.swing.JRootPane

contentPane, defaultButton, defaultPressAction, defaultReleaseAction, glassPane, layeredPane, menuBar

Fields inherited from class javax.swing.JComponent

accessibleContext, listenerList, TOOL_TIP_TEXT_KEY, ui, UNDEFINED_CONDITION, WHEN_ANCESTOR_OF_FOCUSED_COMPONENT, WHEN_FOCUSED, WHEN_IN_FOCUSED_WINDOW

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[WorklistPane](#)()
Create a new worklist.

Method Summary

protected void	about ()
void	actionPerformed (java.awt.event.ActionEvent event) Internal use only.
void	addActionListener (java.awt.event.ActionListener listener) Add an ActionListener to the worklist.
void	destroy () Destroy the worklist.
protected static char	getChar (java.lang.String key) Get a localized character from the worklist's resource bundle.
java.awt.Point	getPreferredLocation () Return the preferred location of the worklist's container.
java.awt.Dimension	getPreferredSize () Internal use only.
protected java.lang.String	getSelectedOrg () Return the ID of the current organization.
protected TaskInfo	getSelectedTask () Return the currently selected task.
protected InstanceInfo	getSelectedWorkflow () Return the workflow instance for the currently selected task.
protected static java.lang.String	getString (java.lang.String key) Get a localized string from the worklist's resource bundle.
protected static java.lang.String	getString (java.lang.String key, java.lang.Object[] args) Get a localized message from the worklist's resource bundle, formatted with the supplied arguments.
void	init () Initialize the worklist.
protected void	loadProperties () Load previously stored properties.
protected void	logout () Disconnect from WebLogic Process Integrator.
protected boolean	login (java.lang.String url, java.lang.String userId, java.lang.String password) Logon to WebLogic Process Integrator.
void	onMessage (javax.jms.Message msg) Process a "task assigned" notification received via a JMS topic.
void	removeActionListener (java.awt.event.ActionListener listener) Remove a previously registered ActionListener.
void	setPreferredLocation (java.awt.Point p) Inform the worklist of the preferred start-up location for the worklist's container.

void	<u>start()</u> Start the worklist.
void	<u>start</u> (java.lang.String url, java.lang.String userId, java.lang.String password) Start the worklist.
void	<u>stateChanged</u> (javax.swing.event.ChangeEvent e) Called when the user changes the active tasklist by clicking the tab control.
void	<u>stop</u> () Stop the worklist.
protected void	<u>storeProperties</u> () Store current properties.
java.lang.String	<u>transfchar</u> (java.lang.String response)

Methods inherited from class javax.swing.JRootPane

addImpl, addNotify, createContentPane, createGlassPane, createLayeredPane, createRootLayout, getAccessibleContext, getContentPane, getDefaultButton, getGlassPane, getJMenuBar, getLayeredPane, getMenuBar, getUI, getUIClassID, isFocusCycleRoot, isOptimizedDrawingEnabled, isValidRoot, paramString, removeNotify, setContentPane, setDefaultButton, setGlassPane, setJMenuBar, setLayeredPane, setMenuBar, setUI, updateUI

Methods inherited from class javax.swing.JComponent

addAncestorListener, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusTraversable, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseEvent, putClientProperty,

registerKeyboardAction, registerKeyboardAction,
removeAncestorListener, removePropertyChangeListener,
removePropertyChangeListener, removeVetoableChangeListener, repaint,
repaint, requestDefaultFocus, requestFocus, resetKeyboardActions,
reshape, revalidate, scrollRectToVisible, setActionMap,
setAlignmentX, setAlignmentY, setAutoscrolls, setBackground,
setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled,
setFont, setForeground, setInputMap, setInputVerifier,
setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque,
setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI,
setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction,
update

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents,
deliverEvent, doLayout, findComponentAt, findComponentAt,
getComponent, getComponentAt, getComponentAt, getComponentCount,
getComponents, getLayout, insets, invalidate, isAncestorOf, layout,
list, list, locate, minimumSize, paintComponents, preferredSize,
printComponents, processContainerEvent, processEvent, remove, remove,
removeAll, removeContainerListener, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener,
addHierarchyBoundsListener, addHierarchyListener,
addInputMethodListener, addKeyListener, addMouseListener,
addMouseMotionListener, bounds, checkImage, checkImage,
coalesceEvents, contains, createImage, createImage, disableEvents,
dispatchEvent, enable, enableEvents, enableInputMethods,
getBackground, getBounds, getColorModel, getComponentOrientation,
getCursor, getDropTarget, getFont, getFontMetrics, getForeground,
getGraphicsConfiguration, getInputContext, getInputMethodRequests,
getLocale, getLocation, getLocationOnScreen, getName, getParent,
getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent,
imageUpdate, inside, isDisplayable, isEnabled, isLightweight,
isShowing, isValid, isVisible, keyDown, keyUp, list, list, list,
location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit,
mouseMove, mouseUp, move, nextFocus, paintAll, postEvent,
prepareImage, prepareImage, processComponentEvent,
processHierarchyBoundsEvent, processHierarchyEvent,
processInputMethodEvent, processMouseEvent, remove,
removeComponentListener, removeFocusListener,
removeHierarchyBoundsListener, removeHierarchyListener,
removeInputMethodListener, removeKeyListener, removeMouseListener,
removeMouseMotionListener, repaint, repaint, repaint, resize, resize,
setBounds, setBounds, setComponentOrientation, setCursor,
setDropTarget, setLocale, setLocation, setLocation, setName, setSize,
setSize, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

JNDI_FACTORY

protected static final java.lang.String **JNDI_FACTORY**

JMS_FACTORY

protected static final java.lang.String **JMS_FACTORY**

NOTIFY_TOPIC

protected static final java.lang.String **NOTIFY_TOPIC**

MESSAGE_BUNDLE

protected static final java.lang.String **MESSAGE_BUNDLE**

WARNING_MESSAGE

protected static final java.lang.String **WARNING_MESSAGE**

ERROR_MESSAGE

protected static final java.lang.String **ERROR_MESSAGE**

RESOURCE_BUNDLE

protected static final java.lang.String **RESOURCE_BUNDLE**

IMAGE_PATH

```
protected static final java.lang.String IMAGE_PATH
```

PROPERTIES_FILENAME

```
protected static final java.lang.String PROPERTIES_FILENAME
```

PROPERTY_PREFIX

```
protected static final java.lang.String PROPERTY_PREFIX
```

LOOK_AND_FEEL

```
protected static final java.lang.String LOOK_AND_FEEL
```

LOGON_MESSAGE

```
protected static final java.lang.String LOGON_MESSAGE
```

TASK_NOTIFICATION

```
protected static final java.lang.String TASK_NOTIFICATION
```

AUDIO_NOTIFICATION

```
protected static final java.lang.String AUDIO_NOTIFICATION
```

NOTIFICATION_THRESHOLD

```
protected static final java.lang.String NOTIFICATION_THRESHOLD
```

MAX_LIST_ITEMS_PER_CALL

```
protected static final java.lang.String MAX_LIST_ITEMS_PER_CALL
```

URL

```
protected static final java.lang.String URL
```

USERID

```
protected static final java.lang.String USERID
```

X

```
protected static final java.lang.String X
```

Y

```
protected static final java.lang.String Y
```

W

```
protected static final java.lang.String W
```

H

```
protected static final java.lang.String H
```

PENDING

```
protected static final java.lang.String PENDING
```

DONE

```
protected static final java.lang.String DONE
```

INACTIVE

```
protected static final java.lang.String INACTIVE
```

NEWLINE

```
protected static final java.lang.String NEWLINE
```

CMD_ORG

```
protected static final java.lang.String CMD_ORG
```

CMD_EXECUTE

```
protected static final java.lang.String CMD_EXECUTE
```

CMD_MARK_DONE

```
protected static final java.lang.String CMD_MARK_DONE
```

CMD_UNMARK_DONE

```
protected static final java.lang.String CMD_UNMARK_DONE
```

CMD_TAKE

```
protected static final java.lang.String CMD_TAKE
```

CMD_REASSIGN

```
protected static final java.lang.String CMD_REASSIGN
```

CMD_ATTACHMENTS

```
protected static final java.lang.String CMD_ATTACHMENTS
```

CMD_STATUS

```
protected static final java.lang.String CMD_STATUS
```

CMD_PROPERTIES

```
protected static final java.lang.String CMD_PROPERTIES
```

CMD_LOGON

```
protected static final java.lang.String CMD_LOGON
```

CMD_LOGOFF

```
protected static final java.lang.String CMD_LOGOFF
```

CMD_EXIT

```
protected static final java.lang.String CMD_EXIT
```

CMD_REFRESH

```
protected static final java.lang.String CMD_REFRESH
```

CMD_PENDING

```
protected static final java.lang.String CMD_PENDING
```

CMD_DONE

```
protected static final java.lang.String CMD_DONE
```

CMD_INACTIVE

```
protected static final java.lang.String CMD_INACTIVE
```

CMD_OPTIONS

```
protected static final java.lang.String CMD_OPTIONS
```

CMD_LOGONMSG

```
protected static final java.lang.String CMD_LOGONMSG
```

CMD_START

```
protected static final java.lang.String CMD_START
```

CMD_ABOUT

```
protected static final java.lang.String CMD_ABOUT
```

debug

```
public static boolean debug
```

wlpi

```
protected WLPI wlpi
```

prop

```
protected java.util.Properties prop
```

Constructor Detail

WorklistPane

```
public WorklistPane()  
    throws WorkflowException
```

Create a new worklist.

Throws:

[WorkflowException](#) -

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent event)
```

Internal use only.

Specified by:

actionPerformed in interface `java.awt.event.ActionListener`

addActionListener

```
public void addActionListener(java.awt.event.ActionListener listener)
```

Add an ActionListener to the worklist. The listener will be notified of all menu commands executed by the user.

Parameters:

listener - The ActionListener to add.

See Also:

[removeActionListener\(java.awt.event.ActionListener\)](#)

removeActionListener

```
public void removeActionListener(java.awt.event.ActionListener listener)
```

Remove a previously registered ActionListener.

Parameters:

listener - The ActionListener to remove.

See Also:

[addActionListener\(java.awt.event.ActionListener\)](#)

init

```
public void init()
```

Initialize the worklist. Called by the [WorklistApplet.init\(\)](#) method.

See Also:

[destroy\(\)](#)

start

```
public void start(java.lang.String url,  
                 java.lang.String userId,  
                 java.lang.String password)
```

Start the worklist. The implementation attempts to connect using the specified URL, user ID and password by calling [logon\(java.lang.String, java.lang.String, java.lang.String\)](#).

Parameters:

`url` - The WebLogic Process Integrator server URL.

`userId` - WebLogic Process Integrator user ID.

`password` - Password for `userId`.

See Also:

[start\(\)](#)

start

```
public void start()
```

Start the worklist. Called by the [WorklistApplet.start\(\)](#) method. The implementation attempts to connect to the workflow server by calling [start\(String, String, String\)](#). When running in an applet, the method uses the applet codebase to generate the server URL and takes the user ID from the value of the system property `user.name`. Otherwise, the method passes the previously persisted values for URL and user ID.

See Also:

[start\(String, String, String\)](#), [stop\(\)](#), [storeProperties\(\)](#)

stop

```
public void stop()
```

Stop the worklist. Called by the [WorklistApplet.stop\(\)](#) method. The implementation closes the connection to the workflow server by calling [logoff\(\)](#).

See Also:

[start\(\)](#), [storeProperties\(\)](#)

destroy

```
public void destroy()
```

Destroy the worklist. Called by the [WorklistApplet.destroy\(\)](#) method. The implementation stores user preferences in the local file `worklist.properties`.

See Also:

[start\(\)](#)

getPreferredSize

```
public java.awt.Dimension getPreferredSize()
```

Internal use only.

Overrides:

`getPreferredSize` in class `javax.swing.JComponent`

getPreferredLocation

```
public java.awt.Point getPreferredLocation()
```

Return the preferred location of the worklist's container.

Returns:

The preferred location of the worklist's container.

See Also:

[setPreferredLocation\(java.awt.Point\)](#)

onMessage

```
public void onMessage(javax.jms.Message msg)
```

Process a "task assigned" notification received via a JMS topic. The server broadcasts a notification whenever a task is assigned to a user. If the user has enabled task notification (via the preferences dialog), the implementation presents a message box to inform the user that a task has been assigned to them. This dialog box will only be displayed if the user-specified interval between successive notifications has elapsed.

Specified by:

onMessage in interface javax.jms.MessageListener

Parameters:

msg -

stateChanged

```
public void stateChanged(javax.swing.event.ChangeEvent e)
```

Called when the user changes the active tasklist by clicking the tab control.

Specified by:

stateChanged in interface javax.swing.event.ChangeListener

Parameters:

e - Event describing the tab that is now selected.

setPreferredLocation

```
public void setPreferredLocation(java.awt.Point p)
```

Inform the worklist of the preferred start-up location for the worklist's container. This location is persisted by [storeProperties\(\)](#) and will be returned by subsequent calls to [getPreferredLocation\(\)](#).

Parameters:

p -

getChar

protected static char **getChar**(java.lang.String key)

Get a localized character from the worklist's resource bundle.

Parameters:

key - Resource key.

Returns:

resource character matching the specified key.

getString

protected static java.lang.String **getString**(java.lang.String key)

Get a localized string from the worklist's resource bundle.

Parameters:

key - Resource key.

Returns:

resource string matching the specified key.

getString

protected static java.lang.String **getString**(java.lang.String key,
java.lang.Object[] args)

Get a localized message from the worklist's resource bundle, formatted with the supplied arguments.

Parameters:

key - resource key.

args - arguments to be inserted into message text.

Returns:

formatted message string matching the specified key.

about

protected void **about**()

loadProperties

protected void **loadProperties**()

Load previously stored properties. The implementation loads from the file 'worklist.properties' in the default directory. Subclasses can override to provide alternative storage for user preferences.

See Also:

[storeProperties\(\)](#)

storeProperties

protected void **storeProperties**()

Store current properties. The implementation persists user preferences to the file `worklist.properties`, located in the user's home directory (i.e., the directory indicated by the system property `user.home`). Subclasses can override to provide alternative storage for user preferences. The worklist recognizes the following settings:

Property	Default	Description
<code>jndi.factory</code>	<code>weblogic.jndi.WLInitialContextFactory</code>	Fully qualified class name of JNDI initial context factory.
<code>jms.factory</code>	<code>javax.jms.TopicConnectionFactory</code>	JNDI name of JMS topic factory.
<code>logon.message</code>	<code>true</code>	Whether to display a summary message at logon.
<code>look.and.feel</code>	<code>javax.swing.plaf.metal.MetalLookAndFeel</code>	Fully qualified class name of look and feel to use.
<code>notify.topic</code>	<code>wlpi.NotifyTopic</code>	JNDI name of JMS topic for task update notification broadcasts.
<code>tasklist.column.count</code>	<code>8</code>	Number of columns in workflow status list.
<code>tasklist.column.header.n</code>	<code>Status, Name, Assignee, DueDate, Started, Completed, Priority, Comment</code>	Heading for <i>n</i> th workflow status column.
<code>tasklist.column.identifier.n</code>	<code>Status, Name, Assignee, DueDate, Started, Completed, Priority, Comment</code>	Identifier of <i>n</i> th workflow status column.

<code>tasklist.column.width.n</code>	-	Width of <i>n</i> th workflow status column.
<code>tasklist.w</code>	600	Width of workflow status window.
<code>tasklist.h</code>	300	Height of workflow status window.
<code>tasklist.x</code>	40	X-position of workflow status window.
<code>tasklist.y</code>	40	Y-position of workflow status window.
<code>url</code>	<code>t3\://localhost\ :7001</code>	Server URL of last successful connection.
<code>userid</code>	<code>System.getProperty("user.name")</code>	User ID for last successful connection.
<code>worklist.column.count</code>	8	Number of columns in worklist.
<code>worklist.column.header.n</code>	<code>Status, Name, Workflow, WorkflowId, DueDate, Started, Priority, Comment</code>	Heading for <i>n</i> th worklist column.
<code>worklist.column.identifier.n</code>	<code>Status, Name, Workflow, WorkflowId, DueDate, Started, Priority, Comment</code>	Identifier of <i>n</i> th worklist column.
<code>worklist.column.width.n</code>	-	Width of <i>n</i> th worklist column.
<code>worklist.done</code>	false	Whether to display completed tasks.
<code>worklist.inactive</code>	false	Whether to display inactive tasks.

<code>worklist.pending</code>	<code>true</code>	Whether to display pending tasks.
<code>worklist.sort.ascending</code>	<code>false</code>	Whether to sort the worklist in ascending order.
<code>worklist.sort.column</code>	<code>-1</code>	Column number on which to sort the worklist.
<code>worklist.w</code>	<code>640</code>	Width of worklist window.
<code>worklist.h</code>	<code>300</code>	Height of worklist window.
<code>worklist.x</code>	<code>0</code>	X-position of worklist window.
<code>worklist.y</code>	<code>0</code>	Y-position of worklist window.

See Also:

[loadProperties\(\)](#)

getSelectedOrg

protected java.lang.String **getSelectedOrg()**

Return the ID of the current organization.

Returns:

The ID of the current organization.

getSelectedTask

protected final [TaskInfo](#) **getSelectedTask()**

Return the currently selected task.

Returns:

The currently selected task (if any).

getSelectedWorkflow

```
protected final InstanceInfo getSelectedWorkflow()
```

Return the workflow instance for the currently selected task.

Returns:

The workflow instance to which the currently selected task (if any) belongs.

logon

```
protected boolean logon(java.lang.String url,
                        java.lang.String userId,
                        java.lang.String password)
    throws javax.ejb.CreateException,
           java.rmi.RemoteException,
           WorkflowException
```

Logon to WebLogic Process Integrator. The implementation attempts to connect using the supplied parameters, by calling the [WLPI.connect\(\)](#) method. If successful, the method builds and displays worklists for the specified `userId`, and all roles to which that user belongs. It also populates the 'organizations' combo-box with all the organizations to which that user belongs. The method then connects to the JMS notification topic (default JNDI name `wlpi.NotifyTopic`) in order to receive task notification messages.

Parameters:

`url` - The URL of a WebLogic Process Integrator server.

`userId` - The User ID with which to connect.

`password` - Security credentials.

Throws:

`javax.ejb.CreateException` - If remote EJB references could not be created.

`java.rmi.RemoteException` - If a communications exception occurred.

[WorkflowException](#) - If any other exception occurred.

See Also:

[logoff\(\)](#), [onMessage\(javax.jms.Message\)](#)

logoff

```
protected void logoff()
```

Disconnect from WebLogic Process Integrator. This method closes all connections, clears all worklists, and disables most of the menu commands and toolbar buttons.

See Also:

[logon\(java.lang.String, java.lang.String, java.lang.String\)](#)

transfchar

```
public java.lang.String transfchar(java.lang.String response)
```

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com.bea.wlpi.server.worklist

Interface WorklistHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **WorklistHome**

extends javax.ejb.EJBHome

Home interface for the [Worklist](#) session bean.

Method Summary

[Worklist](#) **create** ()

Create a remote Worklist bean instance.

Methods inherited from interface javax.ejb.EJBHome

getEJBMetaData, getHomeHandle, remove, remove

Method Detail

create

public [Worklist](#) **create** ()throws javax.ejb.CreateException,
java.rmi.RemoteException

Create a remote Worklist bean instance.

Returns:

Remote reference to newly created Worklist object.

Throws:

javax.ejb.CreateException - if the remote object could not be created.

java.rmi.RemoteException - if a communication error occurred.

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com.bea.wlpi.client.worklist

Class WorklistFrame

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- java.awt.Window
            |
            +-- java.awt.Frame
                |
                +-- javax.swing.JFrame
                    |
                    +-- com.bea.wlpi.client.worklist.WorklistFrame
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.event.ActionListener, java.util.EventListener, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable, javax.swing.WindowConstants

```
public class WorklistFrame
```

```
extends javax.swing.JFrame
```

```
implements java.awt.event.ActionListener
```

A JFrame to contain a WebLogic Process Integrator Worklist. This class is required because Worklist is implemented as a subclass of JRootPane. However, the JFrame.setRootPane(JRootPane) method is protected and thus can only be called from a subclass of JFrame.

See Also:

[WorklistApplet](#), [WorklistPane](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JFrame

```
javax.swing.JFrame.AccessibleJFrame
```

Inner classes inherited from class java.awt.Frame

```
java.awt.Frame.AccessibleAWTFrame
```

Inner classes inherited from class java.awt.Window

`java.awt.Window.AccessibleAWTWindow`

Inner classes inherited from class `java.awt.Container`

`java.awt.Container.AccessibleAWTContainer`

Inner classes inherited from class `java.awt.Component`

`java.awt.Component.AccessibleAWTComponent`

Field Summary

protected [WorklistPane](#) [worklist](#)

Fields inherited from class `javax.swing.JFrame`

`accessibleContext`, `EXIT_ON_CLOSE`, `rootPane`, `rootPaneCheckingEnabled`

Fields inherited from class `java.awt.Frame`

`CROSSHAIR_CURSOR`, `DEFAULT_CURSOR`, `E_RESIZE_CURSOR`, `HAND_CURSOR`, `ICONIFIED`, `MOVE_CURSOR`, `N_RESIZE_CURSOR`, `NE_RESIZE_CURSOR`, `NORMAL`, `NW_RESIZE_CURSOR`, `S_RESIZE_CURSOR`, `SE_RESIZE_CURSOR`, `SW_RESIZE_CURSOR`, `TEXT_CURSOR`, `W_RESIZE_CURSOR`, `WAIT_CURSOR`

Fields inherited from class `java.awt.Component`

`BOTTOM_ALIGNMENT`, `CENTER_ALIGNMENT`, `LEFT_ALIGNMENT`, `RIGHT_ALIGNMENT`, `TOP_ALIGNMENT`

Fields inherited from interface `javax.swing.WindowConstants`

`DISPOSE_ON_CLOSE`, `DO_NOTHING_ON_CLOSE`, `HIDE_ON_CLOSE`

Fields inherited from interface `java.awt.image.ImageObserver`

`ABORT`, `ALLBITS`, `ERROR`, `FRAMEBITS`, `HEIGHT`, `PROPERTIES`, `SOMEBITS`, `WIDTH`

Constructor Summary

[WorklistFrame](#)([WorklistPane](#) worklist)

Create a new `WorklistFrame` to contain the specified worklist.

Method Summary

void	actionPerformed (java.awt.event.ActionEvent e) Listen for the WorklistPane.CMD_EXIT command.
void	exit () Save window location and exit worklist.

Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, processWindowEvent, remove, setContentPane, setDefaultCloseOperation, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.awt.Frame

addNotify, finalize, getCursorType, getFrames, getIconImage, getMenuBar, getState, getTitle, isResizable, remove, removeNotify, setCursor, setIconImage, setMenuBar, setResizable, setState, setTitle

Methods inherited from class java.awt.Window

addWindowListener, applyResourceBundle, applyResourceBundle, dispose, getFocusOwner, getGraphicsConfiguration, getInputContext, getListeners, getLocale, getOwnedWindows, getOwner, getToolkit, getWarningString, hide, isShowing, pack, postEvent, processEvent, removeWindowListener, setCursor, show, toBack, toFront

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, remove, removeAll, removeContainerListener, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

Methods inherited from interface java.awt.MenuContainer

getFont, postEvent

Field Detail

worklist

protected [WorklistPane](#) **worklist**

Constructor Detail

WorklistFrame

```
public WorklistFrame(WorklistPane worklist)
```

Create a new `WorklistFrame` to contain the specified worklist. This constructor calls the [exit\(\)](#) method when the window is closed.

Parameters:

`worklist` - `Worklist` (set as the root pane).

Method Detail

actionPerformed

```
public void actionPerformed(java.awt.event.ActionEvent e)
```

Listen for the [WorklistPane.CMD_EXIT](#) command. The implementation calls [exit\(\)](#). Subclasses may override to provide alternative processing for worklist commands (for example, if a `WorklistPane` subclass defines additional commands).

Specified by:

`actionPerformed` in interface `java.awt.event.ActionListener`

Parameters:

`e` - Event object.

exit

```
public void exit()
```

Save window location and exit worklist. The implementation calls [WorklistPane.stop\(\)](#), followed by [WorklistPane.destroy\(\)](#). Subclasses may override to provide alternative behavior.

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com.bea.wlpi.client.worklist

Class WorklistApplet

```
java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- java.awt.Panel
            |
            +-- java.applet.Applet
                |
                +-- javax.swing.JApplet
                    |
                    +-- com.bea.wlpi.client.worklist.WorklistApplet
```

All Implemented Interfaces:

javax.accessibility.Accessible, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.RootPaneContainer, java.io.Serializable

```
public class WorklistApplet
```

```
extends javax.swing.JApplet
```

An application/applet to display a WebLogic Process Integrator Worklist.

See Also:

[WorklistFrame](#), [WorklistPane](#), [Serialized Form](#)

Inner classes inherited from class javax.swing.JApplet

javax.swing.JApplet.AccessibleJApplet

Inner classes inherited from class java.applet.Applet

java.applet.Applet.AccessibleApplet

Inner classes inherited from class java.awt.Panel

java.awt.Panel.AccessibleAWTPanel

Inner classes inherited from class java.awt.Container

java.awt.Container.AccessibleAWTContainer

Inner classes inherited from class java.awt.Component

java.awt.Component.AccessibleAWTComponent

Field Summary

protected static java.lang.String	pwd
protected static java.lang.String	uid
protected static java.lang.String	url

Fields inherited from class javax.swing.JApplet

accessibleContext, rootPane, rootPaneCheckingEnabled

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

[WorklistApplet\(\)](#)

Public constructor used when launched as an applet.

Method Summary

void	destroy() Applet de-initialization.
java.lang.String	getAppletInfo() Returns information about this applet.
java.lang.String[][]	getParameterInfo() Returns information about the parameters that are understood by this applet.

void	<u>init</u> () Applet initialization.
static void	<u>main</u> (java.lang.String[] args) Static method to launch the worklist as a standalone application.
void	<u>start</u> () Applet start.
void	<u>stop</u> () Applet stop.

Methods inherited from class javax.swing.JApplet

addImpl, createRootPane, getAccessibleContext, getContentPane, getGlassPane, getJMenuBar, getLayeredPane, getRootPane, isRootPaneCheckingEnabled, paramString, processKeyEvent, remove, setContentPane, setGlassPane, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled, update

Methods inherited from class java.applet.Applet

getAppletContext, getAudioClip, getAudioClip, getCodeBase, getDocumentBase, getImage, getImage, getLocale, getParameter, isActive, newAudioClip, play, play, resize, resize, setStub, showStatus

Methods inherited from class java.awt.Panel

addNotify

Methods inherited from class java.awt.Container

add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX, getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getInsets, getLayout, getListeners, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, processEvent, remove, removeAll, removeContainerListener, removeNotify, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getBackground, getBounds, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getGraphicsConfiguration, getHeight, getInputContext, getInputMethodRequests, getLocation, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getSize, getToolkit, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, hide, imageUpdate, inside, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, setBackground, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setEnabled, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, show, size, toString, transferFocus

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

url

protected static java.lang.String **url**

uid

```
protected static java.lang.String uid
```

pwd

```
protected static java.lang.String pwd
```

Constructor Detail

WorklistApplet

```
public WorklistApplet()
```

Public constructor used when launched as an applet.

Method Detail

getAppletInfo

```
public java.lang.String getAppletInfo()
```

Returns information about this applet.

Overrides:

getAppletInfo in class java.applet.Applet

Returns:

a string containing information about the author, version, and copyright of the applet.

getParameterInfo

```
public java.lang.String[][] getParameterInfo()
```

Returns information about the parameters that are understood by this applet. The array is as follows:

```
{ "paneClass",  
  "com.bea.wlpi.client.worklist.WorklistPane",  
  "Fully qualified class name of WorklistPane to use (optional)."}
```

Overrides:

getParameterInfo in class java.applet.Applet

Returns:

an array describing the parameters required by this applet.

init

```
public void init()
```

Applet initialization. Calls [WorklistPane.init\(\)](#).

Overrides:

init in class java.applet.Applet

start

```
public void start()
```

Applet start. Calls [WorklistPane.start\(\)](#).

Overrides:

start in class java.applet.Applet

stop

```
public void stop()
```

Applet stop. Calls [WorklistPane.stop\(\)](#).

Overrides:

stop in class java.applet.Applet

destroy

```
public void destroy()
```

Applet de-initialization. Calls [WorklistPane.destroy\(\)](#).

Overrides:

destroy in class java.applet.Applet

main

```
public static void main(java.lang.String[] args)
```

Static method to launch the worklist as a standalone application.

Command line syntax is:

com.bea.wlpi.client.worklist.WorklistApplet [-debug] [server [uid [pwd]]] where:

server = server host url

uid = user id

pwd = password

If the worklist can connect using the supplied arguments it does so, otherwise it displays the WLPI logon dialog.

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com.bea.wlpi.client.worklist

Interface WorklistAddIn

public interface **WorklistAddIn**

Interface that defines a worklist addin. Objects implementing this interface are instantiated by the worklist when handling a "callAddIn" request from the server. Such requests are typically raised by the execution of a "send XML to client" action, passing an XML document of the [call addin](#) type.

Method Summary

java.lang.String	addInCall (WorklistPane worklist, java.lang.Object[] args) Process a client-side addin call, using the supplied arguments.
------------------	---

Method Detail

addInCall

```
public java.lang.String addInCall(WorklistPane worklist,  
                                     java.lang.Object[] args)  
    throws WorkflowException
```

Process a client-side addin call, using the supplied arguments. The arguments are generated by the server. The Worklist's addin handler uses this interface to load a WorklistAddIn instance, against which it invokes this method.

Parameters:

`worklist` - The worklist object that is handling the "callAddIn" request.

`args` - A list of arguments extracted from the parm elements of the XML request that initiated the request.

Returns:

An addin-specific return value, which may be in XML format. In all cases, the worklist's addin handler incorporates the value into an XML document of type [call addin response](#), so it is necessary that the following character literals be represented by the correct escape

sequences as follows:

Character	Escape Sequence
<	< ;
>	> ;
&	& ;
'	&apos ;
"	" ;

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com.bea.wlpi.server.worklist
Interface Worklist

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **Worklist**
 extends javax.ejb.EJBObject

Provides the functionality required by a worklist client application. A worklist bean has an associated workflow participant.

See Also:

[WorklistHome](#)

Method Summary

java.lang.String	getActiveOrganization () Return the active organization.
java.util.List	getStartableWorkflows (java.lang.String orgID) List the workflows that may be started manually.
TaskInfo	getTask (java.lang.String taskName, java.lang.String instanceID) Get a specific task.
int[]	getTaskCounts () Return the number of assigned and overdue tasks on a user's worklist.
java.util.List	getTasks () List the tasks assigned to the user who created this remote worklist object.
java.util.List	getTasks (java.lang.String orgID, java.lang.String assigneeID, boolean isRole) List the tasks assigned to a participant.
java.lang.String	instantiateWorkflow (java.lang.String orgID, java.lang.String templateID) Create a new workflow instance.
java.lang.String	instantiateWorkflow (java.lang.String orgID, java.lang.String templateID, java.lang.Object transactionId) Create a new workflow instance with a transaction id.
java.lang.String	instantiateWorkflow (java.lang.String orgID, java.lang.String templateID, java.lang.String xml, java.util.Map initialValues, java.util.Map pluginData) Create a new workflow instance, passing an XML document and initial variable values.
java.lang.String	instantiateWorkflow (java.lang.String orgID, java.lang.String templateID, java.lang.String xml, java.util.Map initialValues, java.util.Map pluginData, java.lang.Object transactionId) Create a new workflow instance with a transaction id, passing an XML document and initial variable values.

java.lang.String	<u>invokeWorkflowErrorHandler</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String handlerName, java.lang.String xml) Deprecated. Use <u>invokeWorkflowExceptionHandler(java.lang.String, java.lang.String, java.lang.String, java.lang.String)</u> instead.
java.lang.String	<u>invokeWorkflowExceptionHandler</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String handlerName, java.lang.String xml) Invoke an exception handler for a workflow instance.
java.lang.String	<u>invokeWorkflowExceptionHandler</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String handlerName, java.lang.String xml, java.lang.Object transactionId) Invoke an exception handler for a workflow instance with a transaction id.
void	<u>ping</u> () A "dummy" method for the client to ping.
java.lang.String	<u>response</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String nodeID, java.lang.Object data) Send the client's response to a previously received client request.
java.lang.String	<u>response</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String nodeID, java.lang.Object data, java.lang.Object transactionId) Send the client's response to a previously received client request.
java.lang.String	<u>response</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String nodeID, java.lang.String xml) Send the client's response to a previously received client request.
void	<u>setActiveOrganization</u> (java.lang.String orgID) Set the active organization.
java.lang.String	<u>taskAssign</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID, java.lang.String assigneeID, boolean isRole, boolean bLoadBalance) Assign a task to a participant.
java.lang.String	<u>taskAssign</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID, java.lang.String assigneeID, boolean isRole, boolean bLoadBalance, java.lang.Object transactionId) Assign a task to a participant with a transaction id.
java.lang.String	<u>taskExecute</u> (java.lang.String taskName, java.lang.String instanceId) Execute a task instance.
java.lang.String	<u>taskExecute</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Execute a task instance.
java.lang.String	<u>taskMarkDone</u> (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Mark a task instance as complete.

java.lang.String	taskMarkDone (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID, java.lang.Object transactionId) Mark a task instance as complete with a transaction id.
java.lang.String	taskSetProperties (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID, int priority, boolean doneWithoutDoit, boolean doitIfDone, boolean unmarkDone, boolean modifiable, boolean reassignable) Set the properties for a task instance.
void	taskUnassign (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Unassign a task.
java.lang.String	taskUnmarkDone (java.lang.String templateDefinitionID, java.lang.String instanceID, java.lang.String taskID) Mark a task as incomplete.

Methods inherited from interface javax.ejb.EJBObject

`getEJBHome`, `getHandle`, `getPrimaryKey`, `isIdentical`, `remove`

Method Detail

ping

```
public void ping()
    throws java.rmi.RemoteException
```

A "dummy" method for the client to ping. This is to avoid a WLS "feature" that will dereference a remote object that hasn't been referenced for a certain amount of time. This will cause the client to die.

setActiveOrganization

```
public void setActiveOrganization(java.lang.String orgID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Set the active organization. The active organization is the default used by those worklist requests that do not explicitly specify an organization.

Parameters:

`orgID` - The ID of the organization to set as active.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the call from completing.

getActiveOrganization

```
public java.lang.String getActiveOrganization()  
                                throws java.rmi.RemoteException,  
                                       WorkflowException
```

Return the active organization.

Returns:

The ID of the active organization.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

getTaskCounts

```
public int[] getTaskCounts()  
                throws java.rmi.RemoteException,  
                       WorkflowException
```

Return the number of assigned and overdue tasks on a user's worklist.

Returns:

An array of task counts as follows:

`element[0]` the total number of tasks assigned to the user.

`element[1]` the number of those tasks which are overdue.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the call from completing.

getTasks

```
public java.util.List getTasks()  
                throws java.rmi.RemoteException,  
                       WorkflowException
```

List the tasks assigned to the user who created this remote worklist object. The default implementation caches the task list on the server side.

Returns:

A list of [TaskInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the call from completing.

getTasks

```
public java.util.List getTasks(java.lang.String orgID,  
                                java.lang.String assigneeID,  
                                boolean isRole)  
                throws java.rmi.RemoteException,
```

[WorkflowException](#)

List the tasks assigned to a participant.

Parameters:

orgID - The ID of the organization for which to list tasks.
assigneeID - The ID of the participant for whom to list tasks.
isRole - true if assigneeID is that of a role.

Returns:

A list of [TaskInfo](#) objects.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the call from completing.

Since:

WebLogic Process Integrator 2.0

getTask

```
public TaskInfo getTask(java.lang.String taskName,  
                        java.lang.String instanceID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Get a specific task.

Parameters:

taskName - The task name that you are interested in.
instanceID - The ID of the instance to which this task belongs.

Returns:

A object of [TaskInfo](#) type.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the call from completing.

getStartableWorkflows

```
public java.util.List getStartableWorkflows(java.lang.String orgID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the workflows that may be started manually.

Parameters:

orgID - The ID of the organization for which to list workflows.

Returns:

A list of [TemplateInfo](#) objects.

Throws:

java.rmi.RemoteException - if a communications error occurred.
[WorkflowException](#) - if an exception prevented the call from completing.

instantiateWorkflow

```
public java.lang.String instantiateWorkflow(java.lang.String orgID,  
                                             java.lang.String templateID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Create a new workflow instance.

Parameters:

orgID - The ID of the organization in which to instantiate the workflow.

templateID - The ID of the workflow template to instantiate.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#). The caller can perform a SAX parse of this XML document to obtain the instanceID and templateDefinitionID of the new instance.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the workflow could not be instantiated.

See Also:

[instantiateWorkflow\(String, String, String, Map, Map\)](#)

instantiateWorkflow

```
public java.lang.String instantiateWorkflow(java.lang.String orgID,  
                                             java.lang.String templateID,  
                                             java.lang.Object transactionId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Create a new workflow instance with a transaction id.

Parameters:

orgID - The ID of the organization in which to instantiate the workflow.

templateID - The ID of the workflow template to instantiate.

transactionId - The ID of the transaction for transaction audit trailing.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#). The caller can perform a SAX parse of this XML document to obtain the instanceID and templateDefinitionID of the new instance.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the workflow could not be instantiated.

Since:

WebLogic Process Integrator 2.0

See Also:

[instantiateWorkflow\(String, String\)](#)

instantiateWorkflow

```
public java.lang.String instantiateWorkflow(java.lang.String orgID,  
                                             java.lang.String templateID,  
                                             java.lang.String xml,  
                                             java.util.Map initialValues,  
                                             java.util.Map pluginData)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Create a new workflow instance, passing an XML document and initial variable values. The workflow template definition can also extract required values from the XML document, in the same way it can for an XML event-type start.

Parameters:

`orgID` - The ID of the organization in which to instantiate the workflow.

`templateID` - The ID of the workflow template to instantiate.

`xml` - An XML document from which the new workflow instance can initialize itself. Can be null.

`initialValues` - Initial values for workflow variables. The worklist bean maps keys to variable names in a case-insensitive way, and attempts to use the corresponding values to initialize the variables identified by the keys. Can be null.

`pluginData` - A collection of plugin-defined instance data. The map is keyed on plugin name, and each element is a plugin-defined instance datum.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#). The caller can perform a SAX parse of this XML document to obtain the `instanceID` and `templateDefinitionID` of the new instance.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the workflow could not be instantiated.

Since:

WebLogic Process Integrator 2.0

See Also:

[instantiateWorkflow\(String, String\)](#)

instantiateWorkflow

```
public java.lang.String instantiateWorkflow(java.lang.String orgID,  
                                             java.lang.String templateID,  
                                             java.lang.String xml,  
                                             java.util.Map initialValues,  
                                             java.util.Map pluginData,  
                                             java.lang.Object transactionId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Create a new workflow instance with a transaction id, passing an XML document and initial variable values. The workflow template definition can also extract required values from the XML document, in the same way it can for an XML event-type start. The transaction id is used for transaction audit trailing in clustering environment.

Parameters:

`orgID` - The ID of the organization in which to instantiate the workflow.

templateID - The ID of the workflow template to instantiate.

xml - An XML document from which the new workflow instance can initialize itself. Can be null.

initialValues - Initial values for workflow variables. The worklist bean maps keys to variable names in a case-insensitive way, and attempts to use the corresponding values to initialize the variables identified by the keys. Can be null.

pluginData - A collection of plugin-defined instance data. The map is keyed on plugin name, and each element is a plugin-defined instance datum.

transactionId - The ID of the transaction for transaction audit trailing.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#). The caller can perform a SAX parse of this XML document to obtain the instanceID and templateDefinitionID of the new instance.

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if the workflow could not be instantiated.

Since:

WebLogic Process Integrator 2.0

See Also:

[instantiateWorkflow\(String, String, String, Map, Map\)](#)

taskExecute

```
public java.lang.String taskExecute(java.lang.String templateDefinitionID,  
                                     java.lang.String instanceID,  
                                     java.lang.String taskID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Execute a task instance. The default implementation causes the actions associated with the task's "executed" event to be performed in sequence.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

Returns:

A response string (in XML format) compliant with the [client request](#) document type definition. The response contains details of all workflow and task updates that occurred as a consequence of the call and may also contain requests that the client is expected to handle. Such requests are generated by the ActionSendXMLToClient action (and subclasses thereof) and are compliant with the [call executable program](#), [call Java class](#), [display message box](#) or [set variable values](#) document type definitions. Custom clients are free to define their own services and XML formats (provided these do not create ambiguities when referenced from the [generic client request](#) document type definition).

Throws:

[java.rmi.RemoteException](#) - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task is not assigned to that user or if an exception prevented the task from being executed.

taskExecute

```
public java.lang.String taskExecute(java.lang.String taskName,  
                                     java.lang.String instanceId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Execute a task instance. The default implementation causes the actions associated with the task's "executed" event to be performed in sequence.

Parameters:

taskName - The Name of the workflow template definition.

instanceID - The ID of the workflow instance.

Returns:

A response string (in XML format) compliant with the [client request](#) document type definition. The response contains details of all workflow and task updates that occurred as a consequence of the call and may also contain requests that the client is expected to handle. Such requests are generated by the ActionSendXMLToClient action (and subclasses thereof) and are compliant with the [call executable program](#), [call Java class](#), [display message box](#) or [set variable values](#) document type definitions. Custom clients are free to define their own services and XML formats (provided these do not create ambiguities when referenced from the [generic client request](#) document type definition).

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task is not assigned to that user or if an exception prevented the task from being executed.

Since:

WebLogic Process Integrator 2.0

taskMarkDone

```
public java.lang.String taskMarkDone(java.lang.String templateDefinitionID,  
                                       java.lang.String instanceID,  
                                       java.lang.String taskID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Mark a task instance as complete. The default implementation sets the task "completed" date to the current date/time and causes any actions associated with the task's "marked done" event to be performed in sequence.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be marked complete or if an exception prevented the task from being marked complete.

taskMarkDone

```
public java.lang.String taskMarkDone(java.lang.String templateDefinitionID,  
                                       java.lang.String instanceID,  
                                       java.lang.String taskID,  
                                       java.lang.Object transactionId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Mark a task instance as complete with a transaction id. The default implementation sets the task "completed" date to the current date/time and causes any actions associated with the task's "marked done" event to be performed in sequence. The transaction id is used for transaction audit trailing in clustering environment.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

transactionId - The ID of the transaction for transaction audit trailing.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be marked complete or if an exception prevented the task from being marked complete.

Since:

WebLogic Process Integrator 2.0

taskUnmarkDone

```
public java.lang.String taskUnmarkDone(java.lang.String templateDefinitionID,  
                                       java.lang.String instanceID,  
                                       java.lang.String taskID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Mark a task as incomplete. The default implementation clears the task's "completed" date but does **not** cause the execution of any actions defined for the task's "started" event.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be

marked incomplete, or if an exception prevented the task from being marked incomplete.

taskAssign

```
public java.lang.String taskAssign(java.lang.String templateDefinitionID,  
                                     java.lang.String instanceID,  
                                     java.lang.String taskID,  
                                     java.lang.String assigneeID,  
                                     boolean isRole,  
                                     boolean bLoadBalance)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Assign a task to a participant. The actual participant to whom the system assigns the task depends on: 1.) whether any task reroutes are currently in force for the nominated assignee and 2.) the value of the bLoadBalance argument.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

assigneeID - The ID of the participant to whom the task is to be assigned.

bRole - true if the assignee ID is that of a role, false if that of a user.

bLoadBalance - true to request the system to perform load-balancing within the specified role. This argument is ignored if the bRole argument is false.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be reassigned.

taskAssign

```
public java.lang.String taskAssign(java.lang.String templateDefinitionID,  
                                     java.lang.String instanceID,  
                                     java.lang.String taskID,  
                                     java.lang.String assigneeID,  
                                     boolean isRole,  
                                     boolean bLoadBalance,  
                                     java.lang.Object transactionId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Assign a task to a participant with a transaction id. The actual participant to whom the system assigns the task depends on: 1.) whether any task reroutes are currently in force for the nominated assignee and 2.) the value of the bLoadBalance argument. The transaction id is used for transaction audit trailing in clustering environment.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

assigneeID - The ID of the participant to whom the task is to be assigned.

bRole - true if the assignee ID is that of a role, false if that of a user.

bLoadBalance - true to request the system to perform load-balancing within the specified role. This argument is ignored if the bRole argument is false.

transactionId - The ID of the transaction for transaction audit trailing.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be reassigned.

Since:

WebLogic Process Integrator 2.0

taskUnassign

```
public void taskUnassign(java.lang.String templateDefinitionID,  
                          java.lang.String instanceID,  
                          java.lang.String taskID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Unassign a task.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance.

taskID - The ID of the task instance.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the method is called by a client process and the task's properties do not permit it to be reassigned or if an exception prevented the request from being completed.

taskSetProperties

```
public java.lang.String taskSetProperties(java.lang.String templateDefinitionID,  
                                           java.lang.String instanceID,  
                                           java.lang.String taskID,  
                                           int priority,  
                                           boolean doneWithoutDoit,  
                                           boolean doitIfDone,  
                                           boolean unmarkDone,  
                                           boolean modifiable,  
                                           boolean reassignable)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Set the properties for a task instance.

Parameters:

- templateDefinitionID - The ID of the workflow template definition.
- instanceID - The ID of the workflow instance.
- taskID - The ID of the task instance.
- priority - The task instance priority (0=low, 1=medium, 2=high).
- doneWithoutDoit - true to permit a user to mark a task instance as complete (by calling the [taskMarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#) method).
- doitIfDone - true to permit a user to execute a task instance after it has been marked as complete (by calling the [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#) method).
- unmarkDone - true to permit a user to mark a task instance as incomplete (by calling the [taskUnmarkDone\(java.lang.String, java.lang.String, java.lang.String\)](#) method).
- modifiable - true to permit a user to modify a task instance's runtime properties (by calling this method).
- reassignable - true to permit a user to reassign a task instance to another participant (by calling the [taskAssign\(java.lang.String, java.lang.String, java.lang.String, java.lang.String, boolean, boolean\)](#) method).

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

- java.rmi.RemoteException - if a communications error occurred.
- [WorkflowException](#) - if the task properties could not be set.

response

```
public java.lang.String response( java.lang.String templateDefinitionID,  
                                   java.lang.String instanceID,  
                                   java.lang.String nodeID,  
                                   java.lang.String xml )  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Send the client's response to a previously received client request. This request will generally have been raised by an `ActionSendXMLToClient` action, using one of the standard DTDs or a client-defined custom DTD. The response DTD matches the request DTD and the XML document contains the results of executing the server's request. The originating action typically uses the `XPath` function to extract the required values from the document. Clients are free to define custom request and response DTDs.

Parameters:

- templateDefinitionID - The ID of the workflow template definition.
- instanceID - The ID of the workflow instance.
- nodeID - The ID of the object that raised the client request to which this call is responding.
- xml - The client's request-specific response (in XML format) compliant with the document type definition [called program response](#), [called Java class response](#), [message box response](#), [set variables response](#) or a custom format defined by the client.

Returns:

A further response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception occurred while processing the response document.

response

```
public java.lang.String response( java.lang.String templateDefinitionID,  
                                   java.lang.String instanceID,  
                                   java.lang.String nodeID,  
                                   java.lang.Object data)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Send the client's response to a previously received client request. This request will generally have been raised by an action that completes asynchronously. Clients are free to respond with any object type that the receiving action is capable of making use of.

Parameters:

`templateDefinitionID` - The ID of the workflow template definition.

`instanceID` - The ID of the workflow instance.

`nodeID` - The ID of the object that raised the client request to which this call is responding.

`data` - The client's request-specific response.

Returns:

A further response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception occurred while processing the response document.

response

```
public java.lang.String response( java.lang.String templateDefinitionID,  
                                   java.lang.String instanceID,  
                                   java.lang.String nodeID,  
                                   java.lang.Object data,  
                                   java.lang.Object transactionId)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Send the client's response to a previously received client request. This request will generally have been raised by an `ActionSendXMLToClient` action, using one of the standard DTDs or a client-defined custom DTD. The response DTD matches the request DTD and the XML document contains the results of executing the server's request. The originating action typically uses the XPath function to extract the required values from the document. Clients are free to define custom request and response DTDs. The transaction id is used for transaction audit trailing in clustering environment.

Parameters:

`templateDefinitionID` - The ID of the workflow template definition.

`instanceID` - The ID of the workflow instance.

`nodeID` - The ID of the object that raised the client request to which this call is responding.

`xml` - The client's request-specific response (in XML format) compliant with the document type definition

transactionId - The ID of the transaction for transaction audit trailing. [called program response](#), [called Java class response](#), [message box response](#), [set variables response](#) or a custom format defined by the client.

Returns:

A further response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception occurred while processing the response document.

Since:

WebLogic Process Integrator 2.0

invokeWorkflowErrorHandler

```
public java.lang.String
invokeWorkflowErrorHandler(java.lang.String templateDefinitionID,
                             java.lang.String instanceID,
                             java.lang.String handlerName,
                             java.lang.String xml)
    throws java.rmi.RemoteException,
           WorkflowException
```

Deprecated. Use [invokeWorkflowExceptionHandler\(java.lang.String, java.lang.String, java.lang.String, java.lang.String\)](#) instead.

Invoke an error handler for a workflow instance. The API passes the specified XML document to the error handler.

Parameters:

templateDefinitionID - The ID of the workflow template definition.

instanceID - The ID of the workflow instance for which the error handler should be invoked.

handlerName - The name of the error handler to invoke.

xml - The XML document to pass as the user-defined subtree to the error handler.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Since:

Weblogic Process Integrator version 1.2

invokeWorkflowExceptionHandler

```
public java.lang.String
invokeWorkflowExceptionHandler(java.lang.String templateDefinitionID,
                             java.lang.String instanceID,
                             java.lang.String handlerName,
                             java.lang.String xml)
    throws java.rmi.RemoteException,
           WorkflowException
```

Invoke an exception handler for a workflow instance. The API passes the specified XML document to the error handler.

Parameters:

templateDefinitionID - The ID of the workflow template definition.
instanceID - The ID of the workflow instance for which the error handler should be invoked.
handlerName - The name of the error handler to invoke.
xml - The XML document to pass as the user-defined subtree to the error handler.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Since:

WebLogic Process Integrator 2.0

invokeWorkflowExceptionHandler

```
public java.lang.String
invokeWorkflowExceptionHandler(java.lang.String templateDefinitionID,
                                java.lang.String instanceID,
                                java.lang.String handlerName,
                                java.lang.String xml,
                                java.lang.Object transactionId)
                                throws java.rmi.RemoteException,
                                WorkflowException
```

Invoke an exception handler for a workflow instance with a transaction id. The API passes the specified XML document to the error handler. The transaction id is used for transaction audit trailing in clustering environment.

Parameters:

templateDefinitionID - The ID of the workflow template definition.
instanceID - The ID of the workflow instance for which the error handler should be invoked.
handlerName - The name of the error handler to invoke.
xml - The XML document to pass as the user-defined subtree to the error handler.
transactionId - The ID of the transaction for transaction audit trailing.

Returns:

A response string as described under [taskExecute\(java.lang.String, java.lang.String, java.lang.String\)](#).

Since:

WebLogic Process Integrator 2.0

com.bea.wlpi.server.principal

Interface WLPIPrincipalHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **WLPIPrincipalHome**

extends javax.ejb.EJBHome

Home interface for the [WLPIPrincipal](#) session EJB.

Method Summary

[WLPIPrincipal](#) **create**()

Create a remote WLPIPrincipal object.

Methods inherited from interface javax.ejb.EJBHome

[getEJBMetaData](#), [getHomeHandle](#), [remove](#), [remove](#)

Method Detail

create

```
public WLPIPrincipal create()  
    throws javax.ejb.CreateException,  
           java.rmi.RemoteException
```

Create a remote WLPIPrincipal object.

Returns:

Remote reference to the newly created WLPIPrincipal object.

Throws:

javax.ejb.CreateException - if the remote object could not be created.

java.rmi.RemoteException - if a communication error occurred.

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com.bea.wlpi.server.principal

Interface WLPIPrincipal

All Superinterfaces:

javax.ejb.EJBObject, java.rmi.Remote

public interface **WLPIPrincipal**

extends javax.ejb.EJBObject

Provides workflow participants based on security principals defined in an external security realm. The default implementation provides behavior, extended attributes and persistence using a database table.

See Also:

[WLPIPrincipalHome](#)

Method Summary

void	addOrganization (OrganizationInfo orgInfo) Create a new organization.
void	addRole (RoleInfo roleInfo) Create a new role.
void	addUserToOrganization (java.lang.String userID, java.lang.String orgID) Add a user to an organization.
void	addUserToRole (java.lang.String userID, java.lang.String orgID, java.lang.String roleID) Add a user to a role.
UserInfo	createUser (java.lang.String userID, java.lang.String pswd) Create a new user in the realm and add it to the wlpiUsers group.
java.security.Principal	createWlpiUser (java.lang.String userID, java.lang.String pswd) Deprecated. <i>WLPI 1.2.1 release</i>
void	deleteOrganization (java.lang.String orgID) Delete an organization.
void	deleteRole (java.lang.String orgID, java.lang.String roleID) Delete a role.

void	deleteUser (java.lang.String userID) Deletes a user from the realm.
java.util.List	getAllOrganizations (boolean obtainAttributes) List all defined organizations.
java.util.List	getAllUsers (boolean obtainAttributes) List all defined users.
java.util.List	getGroups () Returns a list of WLS security groups available within the application.
java.lang.String	getMappedGroup (java.lang.String roleID, java.lang.String orgID) This method returns a single mapping value based on a Role ID and and Organization ID.
OrganizationInfo	getOrganizationInfo (java.lang.String orgID) Get further information about the specified organization.
java.util.List	getOrganizationsForUser (java.lang.String userID, boolean obtainAttributes) List the organizations to which the specified user belongs.
RoleInfo	getRoleInfo (java.lang.String roleID, java.lang.String orgID) Get further information about the specified role.
java.util.Map	getRoleMappingsInOrg (java.lang.String orgID) This method returns a Map of all role to WLS security group mapping for a given organization.
java.util.List	getRolesForUser (java.lang.String orgID, java.lang.String userID, boolean obtainAttributes) List the roles to which the specified user belongs.
java.util.List	getRolesInOrganization (java.lang.String orgID, boolean obtainAttributes) List the roles defined for an organization.
java.lang.String	getSecurityRealmClassName () Return the class name of the installed WebLogic security realm.
UserInfo	getUserInfo (java.lang.String userID) Get further information about the specified user.
java.util.List	getUsersInOrganization (java.lang.String orgID, boolean obtainAttributes) List the users in the specified organization.
java.util.List	getUsersInRole (java.lang.String roleID, java.lang.String orgID, boolean obtainAttributes) List the users in the specified role of the specified organization.

boolean	<u>isManageableSecurityRealm()</u> Check whether the realm in question is manageable.
boolean	<u>isRoleInOrganization</u> (java.lang.String roleID, java.lang.String orgID) Check whether a role is defined within a particular organization.
boolean	<u>isUserInOrganization</u> (java.lang.String userID, java.lang.String orgID) Check whether a user belongs to particular organization.
void	<u>mapRolesToGroups</u> (java.lang.String orgID, java.util.Map rolesToGroupMap) This method maps a set of roles to groups.
void	<u>mapRoleToGroup</u> (java.lang.String roleID, java.lang.String orgID, java.lang.String groupID) This method maps an individual role to a WLS security group.
void	<u>ping</u> () A "dummy" method for the client to ping.
void	<u>removeUserFromOrganization</u> (java.lang.String userID, java.lang.String orgID) Remove a user from an organization.
void	<u>removeUserFromRole</u> (java.lang.String userID, java.lang.String orgID, java.lang.String roleID) Remove a user from a role.
void	<u>setOrganizationInfo</u> (<u>OrganizationInfo</u> orgInfo) Update the information about an organization.
void	<u>setRoleInfo</u> (<u>RoleInfo</u> roleInfo) Update the information about a role.
void	<u>setUserInfo</u> (<u>UserInfo</u> userInfo) Update the information about a user.

Methods inherited from interface javax.ejb.EJBObject

getEJBHome, getHandle, getPrimaryKey, isIdentical, remove

Method Detail

ping

```
public void ping()
    throws java.rmi.RemoteException
```

A "dummy" method for the client to ping. This is to avoid a WLS "feature" that will dereference a remote object that hasn't been referenced for a certain amount of time. This will cause the client to die.

addOrganization

```
public void addOrganization(OrganizationInfo orgInfo)
    throws java.rmi.RemoteException,
           WorkflowException
```

Create a new organization.

Parameters:

orgInfo - Values for the new organization to create.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

addRole

```
public void addRole(RoleInfo roleInfo)
    throws java.rmi.RemoteException,
           WorkflowException
```

Create a new role.

Parameters:

roleInfo - Values for the new role to create.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

addUserToOrganization

```
public void addUserToOrganization(java.lang.String userID,
    java.lang.String orgID)
    throws java.rmi.RemoteException,
           WorkflowException
```

Add a user to an organization.

Parameters:

userID - The ID of the user to add.

orgID - The ID of the organization.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

addUserToRole

```
public void addUserToRole(java.lang.String userID,  
                           java.lang.String orgID,  
                           java.lang.String roleID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Add a user to a role.

Parameters:

`userID` - The ID of the user to add.

`orgID` - The ID of the organization.

`roleID` - The ID of the role within organization `orgID`.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

deleteOrganization

```
public void deleteOrganization(java.lang.String orgID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Delete an organization.

Parameters:

`orgID` - The ID of the organization to delete.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

deleteRole

```
public void deleteRole(java.lang.String orgID,  
                        java.lang.String roleID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Delete a role.

Parameters:

`orgID` - The ID of the organization containing the role to delete.

`roleID` - The ID of the role to delete.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

getAllOrganizations

```
public java.util.List getAllOrganizations(boolean obtainAttributes)
    throws java.rmi.RemoteException,
           WorkflowException
```

List all defined organizations.

Parameters:

`obtainAttributes` - true to return all [OrganizationInfo](#) attributes, false for just the orgIDs.

Returns:

A list of [OrganizationInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getAllUsers

```
public java.util.List getAllUsers(boolean obtainAttributes)
    throws java.rmi.RemoteException,
           WorkflowException
```

List all defined users.

Parameters:

`obtainAttributes` - true to return all [UserInfo](#) attributes, false for just the userIDs.

Returns:

A list of [UserInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getOrganizationInfo

```
public OrganizationInfo getOrganizationInfo(java.lang.String orgID)
                                         throws java.rmi.RemoteException,
                                         WorkflowException
```

Get further information about the specified organization.

Parameters:

orgID - The ID of the organization about which further information is required.

Returns:

Further information about the organization.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getRoleInfo

```
public RoleInfo getRoleInfo(java.lang.String roleID,
                             java.lang.String orgID)
                             throws java.rmi.RemoteException,
                             WorkflowException
```

Get further information about the specified role.

Parameters:

orgID - The ID of the organization containing the role.

roleID - The ID of the role about which further information is required.

Returns:

Further information about the role.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getUserInfo

```
public UserInfo getUserInfo(java.lang.String userID)
                             throws java.rmi.RemoteException,
                             WorkflowException
```

Get further information about the specified user.

Parameters:

userID - The ID of the user about whom further information is required.

Returns:

Further information about the user.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getOrganizationsForUser

```
public java.util.List getOrganizationsForUser(java.lang.String userID,  
                                               boolean obtainAttributes)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the organizations to which the specified user belongs.

Parameters:

`userID` - The ID of the user.

`obtainAttributes` - true to return all [OrganizationInfo](#) attributes, false for just the orgIDs.

Returns:

A list of [OrganizationInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getRolesForUser

```
public java.util.List getRolesForUser(java.lang.String orgID,  
                                       java.lang.String userID,  
                                       boolean obtainAttributes)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the roles to which the specified user belongs.

Parameters:

`orgID` - The ID of the organization.

`userID` - The ID of the user.

`obtainAttributes` - true to return all [RoleInfo](#) attributes, false for just the roleIDs.

Returns:

A list of [RoleInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getRolesInOrganization

```
public java.util.List getRolesInOrganization( java.lang.String orgID,  
                                              boolean obtainAttributes)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the roles defined for an organization.

Parameters:

`orgID` - The ID of the organization.

`obtainAttributes` - true to return all [RoleInfo](#) attributes, false for just the roleIDs.

Returns:

A list of [RoleInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getUsersInOrganization

```
public java.util.List getUsersInOrganization( java.lang.String orgID,  
                                              boolean obtainAttributes)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the users in the specified organization.

Parameters:

`orgID` - The ID of the organization.

`obtainAttributes` - true to return all [UserInfo](#) attributes, false for just the userIDs.

Returns:

A list of [UserInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getUsersInRole

```
public java.util.List getUsersInRole(java.lang.String roleID,  
                                       java.lang.String orgID,  
                                       boolean obtainAttributes)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

List the users in the specified role of the specified organization.

Parameters:

`roleID` - The ID of the role.

`orgID` - The ID of the organization.

`obtainAttributes` - true to return all [UserInfo](#) attributes, false for just the userIDs.

Returns:

A list of [UserInfo](#) objects.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

getSecurityRealmClassName

```
public java.lang.String getSecurityRealmClassName()  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Return the class name of the installed WebLogic security realm. This enables clients to check, for example, whether the default WebLogic realm (`weblogic.security.acl.internal.WLPropertyRealm`) is in use, and to adjust user interfaces to reflect the fact that this realm, although manageable, does not* persist updates.

*As at the time of writing (WebLogic Server 5.1 SP6).

Returns:

The fully qualified realm class name.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

See Also:

[isManageableSecurityRealm\(\)](#)

isManageableSecurityRealm

```
public boolean isManageableSecurityRealm()  
                throws java.rmi.RemoteException,  
                       WorkflowException
```

Check whether the realm in question is manageable. This enables client programs to enable or disable user interface controls accordingly.

Returns:

true if the security realm implements the ManageableRealm interface.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

See Also:

[getSecurityRealmClassName\(\)](#)

isRoleInOrganization

```
public boolean isRoleInOrganization(java.lang.String roleID,  
                                   java.lang.String orgID)  
                throws java.rmi.RemoteException,  
                       WorkflowException
```

Check whether a role is defined within a particular organization.

Parameters:

`roleID` - The ID of the role.

`orgID` - The ID of the organization.

Returns:

true if role defined within organization.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

isUserInOrganization

```
public boolean isUserInOrganization(java.lang.String userID,  
                                   java.lang.String orgID)  
                throws java.rmi.RemoteException,  
                       WorkflowException
```

Check whether a user belongs to particular organization.

Parameters:

userID - The ID of the user.

orgID - The ID of the organization.

Returns:

true if user belongs to organization.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not listable, or if any exception occurred.

removeUserFromOrganization

```
public void removeUserFromOrganization(java.lang.String userID,  
                                         java.lang.String orgID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Remove a user from an organization.

Parameters:

userID - The ID of the user to remove.

orgID - The ID of the organization.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

removeUserFromRole

```
public void removeUserFromRole(java.lang.String userID,  
                                java.lang.String orgID,  
                                java.lang.String roleID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Remove a user from a role.

Parameters:

userID - The ID of the user to remove.

orgID - The ID of the organization.

roleID - The ID of role within the organization orgID.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the security realm is not manageable, or if any exception occurred.

setOrganizationInfo

```
public void setOrganizationInfo(OrganizationInfo orgInfo)  
    throws java.rmi.RemoteException
```

Update the information about an organization. Callers should take care that `orgInfo` was retrieved with `obtainAttributes=true` (where applicable) to avoid inadvertently clearing the attributes.

Parameters:

`orgInfo` - Organization information to update.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

setRoleInfo

```
public void setRoleInfo(RoleInfo roleInfo)  
    throws java.rmi.RemoteException
```

Update the information about a role. Callers should take care that `roleInfo` was retrieved with `obtainAttributes=true` (where applicable) to avoid inadvertently clearing the attributes.

Parameters:

`roleInfo` - Role information to update.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

setUserInfo

```
public void setUserInfo(UserInfo userInfo)  
    throws java.rmi.RemoteException
```

Update the information about a user. Callers should take care that `userInfo` was retrieved with `obtainAttributes=true` (where applicable) to avoid inadvertently clearing the attributes.

Parameters:

`userInfo` - User information to update.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

createWlpiUser

```
public java.security.Principal createWlpiUser(java.lang.String userID,  
    java.lang.String passwd)
```

throws `java.rmi.RemoteException`,
[WorkflowException](#)

Deprecated. *WLPI 1.2.1 release*

Create a new user in the realm and add it to the `wlpiUsers` group.

Parameters:

`userID` - The name of the user to add.

`pswd` - The clear-text password for the user.

Returns:

A security principal object representing the newly created user.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the user could not be added (already exists, etc.).

Since:

Weblogic Process Integrator version 1.1.

createUser

```
public UserInfo createUser(java.lang.String userID,  
                           java.lang.String pswd)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

Create a new user in the realm and add it to the `wlpiUsers` group.

Parameters:

`userID` - The name of the user to add.

`pswd` - The clear-text password for the user.

Returns:

A security principal object representing the newly created user.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the user could not be added (already exists, etc.).

Since:

Weblogic Process Integrator version 1.1.

deleteUser

```
public void deleteUser(java.lang.String userID)  
    throws java.rmi.RemoteException,  
           WorkflowException
```


Deletes a user from the realm.

Parameters:

userID - The name of the user to delete.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the user could not be deleted (does not exist, etc.).

Since:

Weblogic Process Integrator version 1.1.

getRoleMappingsInOrg

```
public java.util.Map getRoleMappingsInOrg(java.lang.String orgID)
                                     throws java.rmi.RemoteException,
                                               WorkflowException
```

This method returns a Map of all role to WLS security group mapping for a given organization. The structure of the Map has the Role ID as the key and the Group ID as the value.

Parameters:

String - Organization ID

Returns:

Map of RoleID/GroupID

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if the mapping could not be retrieved

Since:

WebLogic Process Integrator 2.0

getMappedGroup

```
public java.lang.String getMappedGroup(java.lang.String roleID,
                                       java.lang.String orgID)
                                     throws java.rmi.RemoteException,
                                               WorkflowException
```

This method returns a single mapping value based on a Role ID and and Organization ID.

Parameters:

String - Role ID

String - Organization ID

Returns:

Group name the role is mapped to, null if no mapping exists

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the mapping could not be retrieved

Since:

WebLogic Process Integrator 2.0

getGroups

```
public java.util.List getGroups()
    throws java.rmi.RemoteException,
           WorkflowException
```

Returns a list of WLS security groups available within the application.

Returns:

A List of WLS security group names

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if the list could not be retrieved

Since:

WebLogic Process Integrator 2.0

mapRoleToGroup

```
public void mapRoleToGroup(java.lang.String roleID,
    java.lang.String orgID,
    java.lang.String groupID)
    throws java.rmi.RemoteException,
           WorkflowException
```

This method maps an individual role to a WLS security group. This method will create a new WLS group if the one to be mapped does not exist in the current domain.

Parameters:

String - Role ID

String - Organization ID

String - Group ID

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an error occurred during the update

Since:

WebLogic Process Integrator 2.0

mapRolesToGroups

```
public void mapRolesToGroups(java.lang.String orgID,  
                             java.util.Map rolesToGroupMap)  
    throws java.rmi.RemoteException,  
           WorkflowException
```

This method maps a set of roles to groups. The Map object uses Role ID as the key and Group ID as the value. This method will create a new WLS group if the one to be mapped does not exist in the current domain.

Parameters:

String - Organization ID

Map - Map of RoleID/GroupID

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an error occurred during the update

Since:

WebLogic Process Integrator 2.0

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
2.0

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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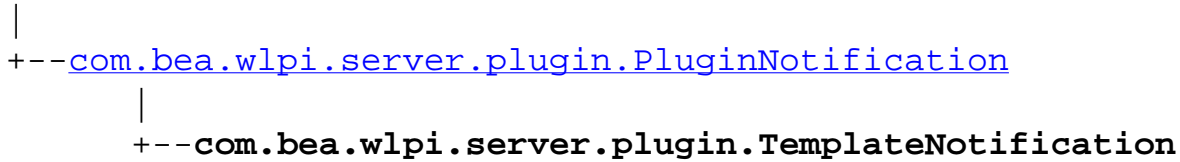
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com.bea.wlpi.server.plugin

Class TemplateNotification

java.lang.Object



All Implemented Interfaces:

java.io.Serializable

public final class **TemplateNotification**extends [PluginNotification](#)

Notification object that describes a change to a template.

Since:

WebLogic Process Integrator 2.0

See Also:

[Plugin.templateChanged\(com.bea.wlpi.server.plugin.TemplateNotification\)](#),
[Serialized Form](#)

Fields inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)

[eventType](#), [source](#)

Method Summary

[TemplateInfo](#) [getTemplate](#)()

Return information about the affected template.

Methods inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)

[getEventType](#), [getSource](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

getTemplate

```
public TemplateInfo getTemplate()
```

Return information about the affected template.

Returns:

Template information.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

*WebLogic Process Integrator Version
2.0*

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.server.plugin

Class TemplateDefinitionNotification

java.lang.Object

```
 |
+-- com.bea.wlpi.server.plugin.PluginNotification
     |
     +-- com.bea.wlpi.server.plugin.TemplateDefinitionNotification
```

All Implemented Interfaces:

java.io.Serializable

public final class **TemplateDefinitionNotification**extends [PluginNotification](#)

Notification object that describes a change to a template definition.

See Also:[Plugin.templateDefinitionChanged\(com.bea.wlpi.server.plugin.TemplateDefinitionNotification\), Serialized Form](#)**Fields inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)**[eventType](#), [source](#)

Method Summary

TemplateDefinitionInfo	getTemplateDefinition() Return information about the affected template definition.
--	---

Methods inherited from class com.bea.wlpi.server.plugin.[PluginNotification](#)[getEventType](#), [getSource](#)**Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

getTemplateDefinition

public [TemplateDefinitionInfo](#) **getTemplateDefinition()**

Return information about the affected template definition.

Returns:

Template definition information.

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com.bea.eci.repository.ejb

Interface XMLRepositoryHome

All Superinterfaces:

javax.ejb.EJBHome, java.rmi.Remote

public interface **XMLRepositoryHome**

extends javax.ejb.EJBHome

The home interface for the repository EJB.

Since:

WebLogic Process Integrator 2.0

Method Summary

XMLRepository	create ()
-------------------------------	----------------------------

Methods inherited from interface javax.ejb.EJBHome

[getEJBMetaData](#), [getHomeHandle](#), [remove](#), [remove](#)

Method Detail

create

```
public XMLRepository create()  
    throws java.rmi.RemoteException,  
           javax.ejb.CreateException
```


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&callpgm; &calladdin; &msgbox; &setvars;

com.bea.wlpi.common.security

Class RolePermissionInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.security.PermissionInfo](#)|
+-- **com.bea.wlpi.common.security.RolePermissionInfo**

All Implemented Interfaces:

java.io.Serializable

public final class **RolePermissionInfo**extends [PermissionInfo](#)

Holds permission information about a WLPI role.

Objects of this class hold various permissions defined by `EnumPermission` for a particular WLPI role. These are the `Serializable` objects that will be transmitted across the application server boundary.

See Also:

[Serialized Form](#)

Constructor Summary

[RolePermissionInfo](#)(java.lang.String roleID, java.lang.String orgID)
Create a new RolePermissionInfo object.

[RolePermissionInfo](#)(java.lang.String roleID, java.lang.String orgID, java.lang.String groupID)
Create a new RolePermissionInfo object.

Method Summary

java.lang.String	getGroupID () Get the group ID.
------------------	---

java.lang.String	getOrgID() Get the organization ID.
void	setGroupID (java.lang.String groupID) Set the group ID.
void	setOrgID (java.lang.String orgID) Set the organization ID.

Methods inherited from class com.bea.wlpi.common.security.[PermissionInfo](#)

[getPrincipalId](#), [hasPermission](#), [setPermission](#)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

RolePermissionInfo

```
public RolePermissionInfo(java.lang.String roleID,
                          java.lang.String orgID)
```

Create a new RolePermissionInfo object.

Parameters:

String - The WLPI role ID.

String - The WLPI organization ID.

RolePermissionInfo

```
public RolePermissionInfo(java.lang.String roleID,
                          java.lang.String orgID,
                          java.lang.String groupID)
```

Create a new RolePermissionInfo object.

Parameters:

String - The WLPI role ID.

String - The WLPI organization ID.

Method Detail

setOrgID

```
public void setOrgID(java.lang.String orgID)
```

Set the organization ID.

Parameters:

String - Organization ID

getOrgID

```
public java.lang.String getOrgID()
```

Get the organization ID.

Returns:

Organization ID

setGroupID

```
public void setGroupID(java.lang.String groupID)
```

Set the group ID.

Parameters:

String - Group ID

getGroupID

```
public java.lang.String getGroupID()
```

Get the group ID.

Returns:

group ID

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Package com.bea.wlpi.common.security

Provides common classes used by security in the WebLogic Process Integrator.

See:

[Description](#)

Class Summary

EnumPermission	Define various WLPI permissions.
PermissionInfo	Holds permission information about a principal.
RolePermissionInfo	Holds permission information about a WLPI role.
UserPermissionInfo	Holds permission information about a WLPI user.

Package com.bea.wlpi.common.security

Description

Provides common classes used by security in the WebLogic Process Integrator.

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Hierarchy For Package com.bea.wlpi.common.security

Package Hierarchies:

[All Packages](#)

Class Hierarchy

- class java.lang.Object
 - class com.bea.wlpi.common.security.[EnumPermission](#)
 - class com.bea.wlpi.common.security.[PermissionInfo](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.security.[RolePermissionInfo](#)
 - class com.bea.wlpi.common.security.[UserPermissionInfo](#)
-

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com.bea.wlpi.common.security

Class EnumPermission

java.lang.Object

|
+-- **com.bea.wlpi.common.security.EnumPermission**public class **EnumPermission**

extends java.lang.Object

Define various WLPI permissions.

Each WLPI permission is identified as an EnumPermission object which is accessed as a static member of EnumPermission.

This object also contains the associated group id that is used within WLS.

Field Summary

static EnumPermission	P_Administer_User The permission Administer User.
static EnumPermission	P_Configure_Components The permission Configure Components.
static EnumPermission	P_Configure_System The permission Configure System.
static EnumPermission	P_Create_Template The permission Create Template.
static EnumPermission	P_Delete_Template The permission Delete Template.
static EnumPermission	P_Execute_Template The permission Execute Template.
static EnumPermission	P_Monitor_Instance The permission Monitor Instance.

static EnumPermission []	<p>Permissions</p> <p>An array of all predefined WLPI permissions which is in the order of P_Configure_System, P_Configure_Components, P_Administer_User, P_Monitor_Instance, P_Create_Template, P_Delete_Template, P_Execute_Template.</p>
--	--

Method Summary

java.lang.String	<p>getDisplayName()</p> <p>Return the display name of the permission.</p>
java.lang.String	<p>getGroupName()</p> <p>Return the WLS group name of the permission.</p>

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Field Detail

P_Configure_System

public static final [EnumPermission](#) **P_Configure_System**

The permission Configure System.

P_Configure_Components

public static final [EnumPermission](#) **P_Configure_Components**

The permission Configure Components.

P_Administer_User

public static final [EnumPermission](#) **P_Administer_User**

The permission Administer User.

P_Monitor_Instance

```
public static final EnumPermission P_Monitor_Instance
```

The permission Monitor Instance.

P_Create_Template

```
public static final EnumPermission P_Create_Template
```

The permission Create Template.

P_Delete_Template

```
public static final EnumPermission P_Delete_Template
```

The permission Delete Template.

P_Execute_Template

```
public static final EnumPermission P_Execute_Template
```

The permission Execute Template.

Permissions

```
public static final EnumPermission[] Permissions
```

An array of all predefined WLPI permissions which is in the order of P_Configure_System, P_Configure_Components, P_Administer_User, P_Monitor_Instance, P_Create_Template, P_Delete_Template, P_Execute_Template.

Method Detail

getDisplayName

```
public java.lang.String getDisplayName()
```

Return the display name of the permission.

Returns:

The display name of the permission.

getGroupName

```
public java.lang.String getGroupName()
```

Return the WLS group name of the permission.

Returns:

The WLS group name of the permission.

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com.bea.wlpi.common.security

Class PermissionInfo

java.lang.Object

|

+-- **com.bea.wlpi.common.security.PermissionInfo**

All Implemented Interfaces:

java.io.Serializable

Direct Known Subclasses:

[RolePermissionInfo](#), [UserPermissionInfo](#)public abstract class **PermissionInfo**

extends java.lang.Object

implements java.io.Serializable

Holds permission information about a principal.

Objects of this class hold various permissions defined by `EnumPermission` for a particular principal. These are the `Serializable` objects that will be transmitting across the application server boundary.

See Also:

[Serialized Form](#)

Constructor Summary

protected	PermissionInfo (java.lang.String principalId) Create a new PermissionInfo object.
-----------	--

Method Summary

java.lang.String	getPrincipalId () Return the principal ID.
boolean	hasPermission (EnumPermission permission) Check whether the principal has a specific permission

void	setPermission (EnumPermission permission, boolean val) Set a specific permission of the principal to val.
------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructor Detail

PermissionInfo

protected **PermissionInfo**(java.lang.String principalId)

Create a new PermissionInfo object.

Parameters:

principalId - WebLogic Process Integrator principal ID.

Method Detail

getPrincipalId

public final java.lang.String **getPrincipalId**()

Return the principal ID.

Returns:

The principal's ID.

hasPermission

public boolean **hasPermission**([EnumPermission](#) permission)

Check whether the principal has a specific permission

Parameters:

permission - The specific permission.

Returns:

true if the principal has the specific permission.

setPermission

```
public void setPermission(EnumPermission permission,  
                           boolean val)
```

Set a specific permission of the principal to val.

Parameters:

`permission` - The specific permission.

`val` - Grant the permission if val is true.

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com.bea.wlpi.common.security

Class UserPermissionInfo

java.lang.Object

|
+-- [com.bea.wlpi.common.security.PermissionInfo](#)|
+-- **com.bea.wlpi.common.security.UserPermissionInfo**

All Implemented Interfaces:

java.io.Serializable

public final class **UserPermissionInfo**extends [PermissionInfo](#)

Holds permission information about a WLPI user.

Objects of this class hold various permissions defined by `EnumPermission` for a particular WLPI user. These are the `Serializable` objects that will be transmitted across the application server boundary.

See Also:

[Serialized Form](#)

Constructor Summary

[UserPermissionInfo](#)(java.lang.String userId)Create a new `UserPermissionInfo` object.[UserPermissionInfo](#)(java.lang.String userId, java.util.List roles)Create a new `UserPermissionInfo` object.

Method Summary

java.util.List [getRoles](#)()Return a List of `RoleInfos` in which the user has a membership.

Methods inherited from class `com.bea.wlpi.common.security.PermissionInfo`

`getPrincipalId`, `hasPermission`, `setPermission`

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`,
`toString`, `wait`, `wait`, `wait`

Constructor Detail

UserPermissionInfo

```
public UserPermissionInfo(java.lang.String userId)
```

Create a new `UserPermissionInfo` object.

Parameters:

`userId` - The WLPI user ID.

UserPermissionInfo

```
public UserPermissionInfo(java.lang.String userId,  
                           java.util.List roles)
```

Create a new `UserPermissionInfo` object.

Parameters:

`userId` - The WLPI user ID.

`roles` - A List of `RoleInfos` in which the user has a membership. If it is empty or null, then the user is considered as having no membership in any roles.

Method Detail

getRoles

```
public final java.util.List getRoles()
```

Return a List of `RoleInfos` in which the user has a membership.

Returns:

The role IDs. If it is empty or null, then the user is considered as having no membership

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com.bea.wlpi.client.util

Class JMSTest

java.lang.Object

|
+-- **com.bea.wlpi.client.util.JMSTest**

All Implemented Interfaces:

javax.jms.MessageListener

public class **JMSTest**

extends java.lang.Object

implements javax.jms.MessageListener

A JMS test utility that can publish or subscribe to a JMS topic. Useful when developing and testing workflow triggers and integration with external systems using JMS.

Method Summary

static void	main (java.lang.String[] args) Main entry point when executed as a standalone application.
void	onMessage (javax.jms.Message msg) Implements the javax.jms.MessageListener interface.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

main

```
public static void main(java.lang.String[] args)
```

Main entry point when executed as a standalone application. The utility uses the default WebLogic JNDI initial context factory `weblogic.jndi.WLInitialContextFactory` and JMS topic connection factory `javax.jms.TopicConnectionFactory`.

Parameters:

`args` - Command-line arguments, interpreted as follows:

`args[0]` "publish" or "subscribe".

`args[1]` JNDI name for JMS topic to which to connect.

`args[2]` URL of application server hosting JMS. Optional: defaults to "t3://localhost:7001".

onMessage

```
public void onMessage(javax.jms.Message msg)
```

Implements the `javax.jms.MessageListener` interface. The method prints all header field values, followed by the message body.

Specified by:

`onMessage` in interface `javax.jms.MessageListener`

Parameters:

`msg` - JMS message received.

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com.bea.wlpi.client.util

Class JMSTestAddr

java.lang.Object

|
+-- **com.bea.wlpi.client.util.JMSTestAddr**

All Implemented Interfaces:

javax.jms.MessageListener

public class **JMSTestAddr**

extends java.lang.Object

implements javax.jms.MessageListener

A JMS test utility that can publish or subscribe to a JMS topic. Useful when developing and testing workflow triggers and integration with external systems using JMS.

Method Summary

static void	main (java.lang.String[] args) Main entry point when executed as a standalone application.
void	onMessage (javax.jms.Message msg) Implements the javax.jms.MessageListener interface.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Method Detail

main

public static void **main**(java.lang.String[] args)

Main entry point when executed as a standalone application. The utility uses the default WebLogic JNDI initial context factory `weblogic.jndi.WLInitialContextFactory` and JMS topic connection factory `javax.jms.TopicConnectionFactory`.

Parameters:

`args` - Command-line arguments, interpreted as follows:

`args[0]` "publish" or "subscribe".

`args[1]` JNDI name for JMS topic to which to connect.

`args[2]` URL of application server hosting JMS. Optional: defaults to "t3://localhost:7001".

onMessage

```
public void onMessage(javax.jms.Message msg)
```

Implements the `javax.jms.MessageListener` interface. The method prints all header field values, followed by the message body.

Specified by:

`onMessage` in interface `javax.jms.MessageListener`

Parameters:

`msg` - JMS message received.

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com.bea.eci.repository.helper

Interface RepositoryExceptionMessages

public interface **RepositoryExceptionMessages**

Message numbers used by com.bea.eci.repository.helper.RepositoryException.

These message numbers are the keys in the RepositoryExceptionMessages.properties file for exception messages.

Field Summary

static int	NO_MESSAGE
static int	RENAME_NONEXISTANT_ENTITY
static int	RENAME_NONEXISTANT_FOLDER

Field Detail

NO_MESSAGE

```
public static final int NO_MESSAGE
```

RENAME_NONEXISTANT_ENTITY

```
public static final int RENAME_NONEXISTANT_ENTITY
```

RENAME_NONEXISTANT_FOLDER

```
public static final int RENAME_NONEXISTANT_FOLDER
```

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WebLogic Process Integrator™

Glossary of Terms

action

Atomic unit of business functionality: the fundamental determinant of workflow behavior.

workflow expression

An algebraic expression yielding a result.

task reroute

Specification of how tasks assigned to one individual user are automatically reassigned by the system to another user or role.

role

A group of users, defined within an organization.

organization

A group of users. Workflow instances run within the context of an organization.

task

Atomic unit of work with which a user interacts directly. Displayed in the worklist.

task event

State transitions in life cycle of a task: CREATION, ACTIVATION, EXECUTION, MARKED DONE. Each state transition invokes the corresponding sequence of actions.

user

Authorized workflow user, defined externally in a security realm. Users have permissions and belong to organizations and roles.

template definition

Highest level expression of a business process. Defined as a network of interdependent nodes such

as starts, decisions, done, events, joins and tasks.

workflow trigger

Specification of external circumstances that will instantiate a workflow whenever those conditions arise.

worklist

Central locus of activity for a workflow user. Displays lists of tasks for the user and the roles to which the user belongs.