

WebLogic Process Integrator Version 1.2[All Classes](#)

Packages

[com.bea.wlpi.client.common](#)[com.bea.wlpi.client.util](#)[com.bea.wlpi.common](#)**All Classes**[Admin](#)[AdminHome](#)[Attachments](#)[AttachmentsLayout](#)[Audit](#)[AuditHome](#)[BusinessCalendarInfo](#)[ClassDescriptor](#)[ClassInvocationDescriptor](#)[ColumnsDialog](#)[ColumnsMenuItem](#)[ColumnSorterMenu](#)[EJBCatalog](#)[EJBCatalogHome](#)[EJBDescriptor](#)[EJBInvocationDescriptor](#)[EventKeyInfo](#)[ExceptionHandler](#)[ExtensionFileFilter](#)[FunctionInfo](#)[ImageFactory](#)[InstanceInfo](#)[JMSTest](#)[Logon](#)[LongStrings](#)[LookAndFeelMenu](#)[MappedTableModel](#)[MessageDialog](#)[Messages](#)[MethodDescriptor](#)[OrganizationInfo](#)[RerouteInfo](#)[Resources](#)[RoleInfo](#)[ServerProperties](#)[ServerPropertiesHome](#)[SortableTableModel](#)[TaskInfo](#)[Tasklist](#)[TaskPropertiesDialog](#)[TaskReassignDialog](#)[TemplateDefinitionInfo](#)[TemplateInfo](#)[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV](#) [NEXT](#)[FRAMES](#) [NO FRAMES](#)**WebLogic Process
Integrator Version
1.2**

WebLogic Process Integrator API Documentation

This document is the API specification of the *WebLogic Process Integrator*, version 1.2.

See:

[Description](#)

Packages

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.

This document is the API specification of the *WebLogic Process Integrator*, version 1.2.



WebLogic Process Integrator™

The Public API

The public API to WebLogic Process Integrator is comprised of the following Enterprise Java Beans:

Home Interface	Remote Interface	Purpose
Admin	AdminHome	Administrative Services
Audit	AuditHome	Auditing Services
EJBCatalog	EJBCatalogHome	EJB Cataloging
WLPIPrincipal	WLPIPrincipalHome	Organizations, Roles and Users
ServerProperties	ServerPropertiesHome	Server information

- UserInfo
- VariableInfo
- Version
- VersionInfo
- WATableColumnModel
- WLPI
- WLPIPrincipal
- WLPIPrincipalHome
- WorkflowException
- WorkflowStatusDialog
- Worklist
- WorklistAddIn
- WorklistApplet
- WorklistFrame
- WorklistHome
- WorklistPane

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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All Classes

[Admin](#)

[AdminHome](#)

[Attachments](#)

[AttachmentsLayout](#)

[Audit](#)

[AuditHome](#)

[BusinessCalendarInfo](#)

[ClassDescriptor](#)

[ClassInvocationDescriptor](#)

[ColumnsDialog](#)

[ColumnsMenuItem](#)

[ColumnSorterMenu](#)

[EJBCatalog](#)

[EJBCatalogHome](#)

[EJBDescriptor](#)

[EJBInvocationDescriptor](#)

[EventKeyInfo](#)

[ExceptionHandler](#)

[ExtensionFileFilter](#)

[FunctionInfo](#)

[ImageFactory](#)

[InstanceInfo](#)

[JMSTest](#)

[Logon](#)

[LongStrings](#)

[LookAndFeelMenu](#)

[MappedTableModel](#)

[MessageDialog](#)

[Messages](#)

[MethodDescriptor](#)

[OrganizationInfo](#)

[RerouteInfo](#)

[Resources](#)

[RoleInfo](#)

[ServerProperties](#)

[ServerPropertiesHome](#)

[SortableTableModel](#)

[TaskInfo](#)

[Tasklist](#)

[TaskPropertiesDialog](#)
[TaskReassignDialog](#)
[TemplateDefinitionInfo](#)
[TemplateInfo](#)
[UserInfo](#)
[VariableInfo](#)
[Version](#)
[VersionInfo](#)
[WATableColumnModel](#)
[WLPI](#)
[WLPIPrincipal](#)
[WLPIPrincipalHome](#)
[WorkflowException](#)
[WorkflowStatusDialog](#)
[Worklist](#)
[WorklistAddIn](#)
[WorklistApplet](#)
[WorklistFrame](#)
[WorklistHome](#)
[WorklistPane](#)

com.bea.wlpi.server.admin
Interface Admin

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 definitionId) 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) 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.
void	deleteBusinessCalendar (java.lang.String calendarId) Delete a business calendar.
void	deleteBusinessOperation (java.lang.String id) 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 id) Delete a task reroute.
void	deleteTemplate (java.lang.String templateId) Delete a workflow template.
void	deleteTemplateDefinition (java.lang.String definitionId) 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.
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.util.List	getReroutes (java.lang.String orgId) List the task reroutes defined within an organization.
java.util.List	getTasks (java.lang.String user, java.lang.String orgId, boolean role) List the tasks assigned to a participant in an organization.
java.lang.String	getTemplateDefinitionContent (java.lang.String definitionId) Get the content of a workflow template definition.
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) List the instances of a workflow template definition in an organization.
java.util.List	getTemplateDefinitions (java.lang.String templateId) List the definitions for a workflow template.
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) List the instances of a workflow template in an organization.

java.util.List	getTemplateOrgs (java.lang.String templateId) List the organizations that have access to a workflow template.
java.lang.String	getTemplateOwner (java.lang.String id) Get the current owner of a workflow template.
java.util.List	getTemplates (java.lang.String orgId) List the workflow templates for a specified organization.
void	lockTemplate (java.lang.String id) Place a persistent write lock on a workflow template.
void	ping () A "dummy" method for the client to ping at regular intervals.
void	setInstanceVariable (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	setTemplateDefinitionContent (java.lang.String definitionId, java.lang.String xml) Set the content of a workflow template definition.
void	setTemplateNameOrgs (java.lang.String templateId, java.lang.String name, java.util.Collection orgs) Specify which organizations have access to a workflow template.
java.lang.String	statisticsQuery (java.lang.String xml) Run a statistics query.
void	taskAssign (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	taskMarkDone (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 id) Unlock a previously locked template.
void	updateBusinessCalendar (BusinessCalendarInfo calendarInfo) Update a business calendar.
void	updateBusinessOperation (java.lang.String id, ClassInvocationDescriptor descriptor) Update a business operation.

void	updateBusinessOperation (java.lang.String id, EJBInvocationDescriptor descriptor) Update a business operation.
void	updateEventKey (EventKeyInfo eventKeyInfo) Update an event key.
void	updateReroute (java.lang.String id, java.lang.String to, int type, java.sql.Timestamp effective, java.sql.Timestamp expiry) Update a task reroute.
void	updateReroute (java.lang.String id, java.lang.String from, java.lang.String to, int type, java.sql.Timestamp effective, java.sql.Timestamp expiry) Update a task reroute.
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.

createTemplate

```
public java.lang.String createTemplate(java.lang.String name,
                                       java.util.Collection orgs)
    throws java.rmi.RemoteException,
           WorkflowException
```

Create a workflow template with the specified name.

Parameters:

orgs - IDs of organizations in which the template is accessible.

name - The template name.

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.

See Also:

[createTemplateDefinition\(java.lang.String, java.lang.String, java.lang.String\)](#),
[getTemplates\(java.lang.String\)](#), [setTemplateNameOrgs\(java.lang.String, java.lang.String, java.util.Collection\)](#)

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\(java.lang.String, java.lang.String\)](#)

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\(java.lang.String, java.util.Collection\)](#)

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\(java.lang.String, java.lang.String, java.lang.String\)](#)

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\(java.lang.String\)](#)

checkForTemplateDefinitionInstances

```
public boolean checkForTemplateDefinitionInstances(java.lang.String definitionId)
                                   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\(java.lang.String\)](#)

setTemplateNameOrgs

```
public void setTemplateNameOrgs(java.lang.String templateId,
                                java.lang.String name,
                                java.util.Collection orgs)
    throws java.rmi.RemoteException,
           WorkflowException
```

Specify which organizations have access to a workflow template.

Parameters:

orgs - Collection of organization IDs.

templateId - ID of the template.

name - The template name.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[getTemplateOrgs\(java.lang.String\)](#)

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\(java.lang.String, java.lang.String, java.util.Collection\)](#)

setTemplateDefinitionContent

```
public void setTemplateDefinitionContent(java.lang.String definitionId,
                                         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 definitionId)
                                     throws java.rmi.RemoteException,
                                     WorkflowException
```

Delete a workflow template definition. This method also deletes all instances thereof.

Parameters:

templateId - ID of the template to delete.

Throws:

java.rmi.RemoteException - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[deleteTemplateDefinition\(java.lang.String\)](#)

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:

templateDefinitionId - ID of 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:

[deleteTemplate\(java.lang.String\)](#)

lockTemplate

```
public void lockTemplate(java.lang.String id)
                        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 id)
                        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 id)
                                   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 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\(java.lang.String\)](#)

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:

`orgId` - The ID of the organization.

`templateId` - The ID of the template.

`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:

`orgId` - The ID of the organization.

`templateDefinitionId` - The ID of the template definition.

`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.

Throws:

`java.rmi.RemoteException` - if a communications error occurred.

[WorkflowException](#) - if an exception prevented the request from being completed.

See Also:

[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.

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:

`orgId` - The ID of the organization for which to delete instances.

`templateId` - The ID of the workflow template 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:

`orgId` - The ID of the organization for which to delete instances.

`templateDefinitionId` - The ID of the workflow template definition 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 user,
                               java.lang.String orgId,
                               boolean role)
    throws java.rmi.RemoteException,
           WorkflowException
```

List the tasks assigned to a participant in an organization.

Parameters:

orgId - The ID of the organization.

assigneeId - The ID of the assignee for which to list tasks.

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 id,
                                   ClassInvocationDescriptor descriptor)
    throws java.rmi.RemoteException,
           WorkflowException
```

Update a business operation.

Parameters:

`id` - 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 id,
                                   EJBInvocationDescriptor descriptor)
    throws java.rmi.RemoteException,
           WorkflowException
```

Update a business operation.

Parameters:

id - 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 id)
                                   throws java.rmi.RemoteException,
                                   WorkflowException
```

Delete a business operation.

Parameters:

id - 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.
`fromId` - The ID of the assignee whose tasks are to be rerouted.
`toId` - 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 id,
                          java.lang.String to,
                          int type,
                          java.sql.Timestamp effective,
                          java.sql.Timestamp expiry)
    throws java.rmi.RemoteException,
           WorkflowException

```

Update a task reroute.

Parameters:

`id` - The ID of the reroute to update.
`toId` - 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 id,
                           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:

`id` - 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 id)
    throws java.rmi.RemoteException,
           WorkflowException
```

Delete a task reroute.

Parameters:

`id` - 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:

eventKeyId - The ID of 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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

**WebLogic Process Integrator Version
1.2**

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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WebLogic Process Integrator API Documentation

This document is the API specification of the *WebLogic Process Integrator*, version 1.2.

See:

[Description](#)

Packages

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.

This document is the API specification of the *WebLogic Process Integrator*, version 1.2.



WebLogic Process Integrator™

The Public API

The public API to WebLogic Process Integrator is comprised of the following Enterprise Java Beans:

Home Interface	Remote Interface	Purpose
Admin	AdminHome	Administrative Services
Audit	AuditHome	Auditing Services
EJBCatalog	EJBCatalogHome	EJB Cataloging
WLPIPrincipal	WLPIPrincipalHome	Organizations, Roles and Users
ServerProperties	ServerPropertiesHome	Server information
Worklist	WorklistHome	Worklist Services

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.

Overview Package Class [Tree](#) [Deprecated](#) [Index](#) [Help](#)**WebLogic Process Integrator Version 1.2**

PREV NEXT

[FRAMES](#) [NO FRAMES](#)

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Hierarchy For All Packages

Package Hierarchies:

[com.bea.wlpi.client.common](#), [com.bea.wlpi.client.util](#), [com.bea.wlpi.common](#)

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, java.io.Serializable)
 - class com.bea.wlpi.common.[ClassDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[ClassInvocationDescriptor](#) (implements 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, javax.swing.event.TableModelListener)
 - class com.bea.wlpi.client.common.[LookAndFeelMenu](#) (implements java.awt.event.ActionListener)
- class javax.swing.JRootPane (implements javax.accessibility.Accessible)
 - class com.bea.wlpi.client.worklist.[WorklistPane](#) (implements java.awt.event.ActionListener, javax.swing.event.ChangeListener, javax.jms.MessageListener)
- 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.Panel
 - class java.applet.Applet
 - class javax.swing.JApplet (implements javax.accessibility.Accessible, javax.swing.RootPaneContainer)
 - class com.bea.wlpi.client.worklist.[WorklistApplet](#)
- class java.awt.Window
 - 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 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 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 java.io.Serializable)
- class com.bea.wlpi.common.[EventKeyInfo](#) (implements java.lang.Comparable, 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.common.[FunctionInfo](#) (implements java.lang.Comparable, java.io.Serializable)
- class com.bea.wlpi.client.common.[ImageFactory](#)
- 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.common.[LongStrings](#)
- class com.bea.wlpi.client.common.[MessageDialog](#)
- class com.bea.wlpi.common.[MethodDescriptor](#) (implements java.io.Serializable)
- class com.bea.wlpi.common.[OrganizationInfo](#) (implements java.lang.Comparable, 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, 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, java.io.Serializable)
- class com.bea.wlpi.common.[TemplateInfo](#) (implements java.lang.Comparable, 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, 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](#)

Interface Hierarchy

- interface com.bea.wlpi.common.[Messages](#)
- 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.serverproperties.[ServerPropertiesHome](#)
 - interface com.bea.wlpi.server.principal.[WLPIPrincipalHome](#)
 - interface com.bea.wlpi.server.worklist.[WorklistHome](#)
 - 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.serverproperties.[ServerProperties](#)
 - interface com.bea.wlpi.server.principal.[WLPIPrincipal](#)
 - interface com.bea.wlpi.server.worklist.[Worklist](#)
- interface com.bea.wlpi.client.worklist.[WorklistAddIn](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV](#) [NEXT](#)

[FRAMES](#) [NO FRAMES](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) **Deprecated** [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV](#) [NEXT](#)

[FRAMES](#) [NO FRAMES](#)

Deprecated API

Deprecated Methods

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

Set the border on the parent container instead.

[Overview](#) [Package](#) [Class](#) [Tree](#) **Deprecated** [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV](#) [NEXT](#)

[FRAMES](#) [NO FRAMES](#)

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[A](#)
[B](#)
[C](#)
[D](#)
[E](#)
[F](#)
[G](#)
[H](#)
[I](#)
[J](#)
[L](#)
[M](#)
[N](#)
[O](#)
[P](#)
[R](#)
[S](#)
[T](#)
[U](#)
[V](#)
[W](#)
[X](#)
[Y](#)

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.

[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.[LookAndFeelMenu](#)

Internal use only.

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

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

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

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

Internal use only.

[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](#)

[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.

[**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.

[**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.

[**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.

[**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.

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

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

B

[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 Java class "{0}" was not found on the server."

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

"An EJB deployed with JNDI name "{0}" was not found on the server."

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

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

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.

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."

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.

[**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.

[**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.

[**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_PASSWORD](#) - 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.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.

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

Compare two VersionInfo objects.

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

Compare two UserInfo objects.

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

Compare two OrganizationInfo objects.

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

Compare two TemplateDefinitionInfo objects.

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

Compare two VariableInfo objects.

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

Compare two TaskInfo objects.

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

Compare two RoleInfo objects.

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

Compare two `BusinessCalendarInfo` objects.

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

Compare two `FunctionInfo` objects.

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

Compare two `InstanceInfo` objects.

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

Compare two `TemplateInfo` objects.

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

Compare two `EventKeyInfo` objects.

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

Compare two `RerouteInfo` objects.

[**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}."

[**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.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.

[**createTemplate\(String, Collection\)**](#) - 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.

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

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

D

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

"Unable to connect to database."

[**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.[Tasklist](#)

Set to `true` to enable diagnostic output.

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

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

Decode a previously encoded string.

[**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.

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

Delete an event key.

[**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.

[**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.

[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.

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

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_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_INITIAL_CONTEXT_EXCEPTION](#) - Static variable in interface

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

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

[EJB_METHOD_INVOCATION_FAILED](#) - Static variable in interface

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

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

[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_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_SESSION_BEAN_NOT_CREATED](#) - Static variable in interface

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

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

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

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

[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.

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

Encode a string so that it can be serialized.

[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.[UserInfo](#)

Test two `UserInfo` 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.[TemplateDefinitionInfo](#)

Test two `TemplateDefinitionInfo` 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.[TaskInfo](#)

Test two `TaskInfo` objects for equality.

[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.[RoleInfo](#)

Test two `RoleInfo` 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.[FunctionInfo](#)

Test two `FunctionInfo` 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.[TemplateInfo](#)

Test two `TemplateInfo` 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.[RerouteInfo](#)

Test two `RerouteInfo` 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_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"

[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](#)

Create a new XML event key info object.

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

Reports exceptions in WebLogic Process Integrator clients.

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

Save window location and exit worklist.

[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.

[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

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

Holds information about a workflow function.

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

Create a new `FunctionInfo` object.

G

[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.

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

List all defined organizations.

[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.[OrganizationInfo](#)

Return the ID of the business calendar to use.

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

Return the business calendar to use.

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

Returns a List of workflows that can be called.

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

List the workflows that may be started by an action.

[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.

[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.

[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.[TaskInfo](#)

Return the human-readable task comment.

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

Return the human-readable workflow instance comment.

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

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

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

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

[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.

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

Return constructor parameter descriptions.

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

Return the currently selected task.

[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.

[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.client.common.[ExtensionFileFilter](#)

The description of this filter.

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

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

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

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

[**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.[TemplateDefinitionInfo](#)

Return the effective date for the definition.

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

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

[**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.

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

List the event keys defined within the workflow system.

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

Return an array of fully qualified exception class names.

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

Return the expiry date for the definition.

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

Return the date/time at which the task reroute ceases to be effective.

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

Return a workflow expression that yields a unique key for a document.

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

Return the participant for whom the system will reassign tasks.

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

Return the parameter descriptions for the home method to invoke.

[**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.[ClassInvocationDescriptor](#)

Return the system-assigned unique identifier.

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

Return the template definition ID.

[**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.[TemplateInfo](#)

Return the template ID.

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

Return the task reroute ID.

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

Return a human-readable workflow instance label.

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

Return the workflow initiator ID.

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

Return the workflow instance ID.

[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.

[getLayoutAlignmentX\(Container\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

[getLayoutAlignmentY\(Container\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

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

Return the current locale.

[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.

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

Return a mapped row number.

[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.

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

Return the minor version number.

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

Return the underlying `TableModel` object.

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

[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 class com.bea.wlpi.common.[VersionInfo](#)

Return the release name.

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

Return the variable name.

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

Return the task name.

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

Return the business calendar display name.

[getName\(\)](#) - Method in class com.bea.wlpi.common.[FunctionInfo](#)

Return the function name.

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

Return the template definition name.

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

Return the template name.

[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).

[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.[OrganizationInfo](#)

Return the organization ID.

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

Return the organization within which the role is defined.

[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.

[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.

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

Return the parent workflow instance ID.

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

Return the password.

[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.

[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.

[getPrototype\(\)](#) - Method in class com.bea.wlpi.common.[FunctionInfo](#)

Return the function prototype.

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

Return whether a user can reassign the task at runtime.

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

Get the component relative to which this attachment object specifies its alignment.

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

Return the parameter descriptions for the remote method to invoke.

[**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.

[**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.

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

Return the XML document element name.

[**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.

[**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.

[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.[TaskInfo](#)

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

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

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

[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.

[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, 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\[\], 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.

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

Return the underlying `JTable` object.

[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.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.

[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.[TaskInfo](#)

Return the workflow template definition ID.

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

Return the workflow template definition ID.

[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.

[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.[TaskInfo](#)

Return the workflow template ID.

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

Return the workflow template ID.

[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.

[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.

[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.wlpi.common.[RerouteInfo](#)

Return the reroute type.

[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.

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

Return the user ID.

[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.

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

Get further information about the specified user.

[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.

[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.

[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.

H

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

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

Component is horizontally centered on its parent.

I

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

"Illegal type conversion: from {0} to {1}."

[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.

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

[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\(String, String, String\)](#) - 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.

[**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.

[**instantiateWorkflow\(String, String\)**](#) - Method in interface com.bea.wlpi.server.worklist.[Worklist](#)

Create a new workflow instance.

[**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}."

[**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 invocation object for a business operation was not found."

[**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.

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

Create an instance of the Java class.

[**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](#)

Invoke an error handler for a workflow instance.

[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.

[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.

[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.

[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.

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

Check whether the `invokeXXX()` methods emit debugging messages.

J

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

[**JMSTest**](#) - class com.bea.wlpi.client.util.[JMSTest](#).

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](#)

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

"The system could not find the specified join instance: {0}."

L

[**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\(Properties, String\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Retrieve the sort column index and sort order from a `Properties` object.

[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.

[logoff\(\)](#) - 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`.

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.

[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`

[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.

[minimumLayoutSize\(Container\)](#) - Method in class com.bea.wlpi.client.common.[AttachmentsLayout](#)

[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_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](#)

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

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

O

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

Check whether user pressed the OK button.

[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.

[**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

[**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}."`

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

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.

position(Component, int, int, Insets) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Position the specified component using the previously specified attachments.

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.

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](#)

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

R

[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}."

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

Rebuild the contents of this task list.

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

Remove a previously registered ActionListener.

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

[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.

[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](#)

Report the specified exception.

[reportException\(Exception, Component\)](#) - Static method in class com.bea.wlpi.client.common.[ExceptionHandler](#)

Report the specified exception.

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

Send the client's response to a previously received client request.

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

Component is attached to the right side of its parent.

[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_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.

[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

[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, String, MethodDescriptor, String\[\], MethodDescriptor, String\[\]\)](#) - 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.[OrganizationInfo](#)

Set the business calendar to use.

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

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.

[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.

[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.

[**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.

[**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.

[**setHeight\(int\)**](#) - Method in class com.bea.wlpi.client.common.[Attachments](#)

Set the height of the component that uses this attachment.

[**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.

[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.

[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.

[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.

[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.

[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](#)

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.

[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.

[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.

[**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.

[**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.

[**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.

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

Called when the user changes the active tasklist by clicking the tab control.

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

Run a statistics query.

[STATUS_COMPLETE](#) - Static variable in class com.bea.wlpi.common.[TaskInfo](#)

Task is complete.

[STATUS_INACTIVE](#) - Static variable in class com.bea.wlpi.common.[TaskInfo](#)

Task has not yet been started.

[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.

[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.

T

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

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

[tableChanged\(TableModelEvent\)](#) - Method in class com.bea.wlpi.client.common.[SortableTableModel](#)

Respond to a "table changed" notification event.

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

"Cannot take this task, because it is already done."

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.

[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\(String, String, String\)](#) - 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.

[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\(String, String, String, int, boolean, boolean, boolean, boolean, boolean\)](#) - 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\(String, String, String\)](#) - 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\(String, String, String\)](#) - 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_DEFINITION_NOT_FOUND](#) - Static variable in interface com.bea.wlpi.common.[Messages](#)

"Workflow Template Definition (id={0}) not found."

[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."

[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.

[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.

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

Component is attached to the top side of its parent.

[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.[MethodDescriptor](#)

Return a string representation of the method or constructor.

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

Return a string representation of the descriptor object.

TYPE_ROLE - Static variable in class com.bea.wlpi.common.[RerouteInfo](#)

Reroute tasks to a role.

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.

U

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

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

Unlock a previously locked template.

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.

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

Update an event key.

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.

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

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

[**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.

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

"The system cannot read the template definition.\n\ Upgrading the server to run on a JDK1.3 Java VM may cure the problem."

V

[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_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.

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

Component is vertically centered on its parent.

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

Create a new `VersionInfo` object.

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\(\)**](#) - Constructor for class `com.bea.wlpi.client.common.WLPI`

Create a new `WLPI` object.

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

"The system could not find the specified workflow instance: {0}."

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

"An error occurred when parsing an XML 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."

Y

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

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [L](#) [M](#) [N](#) [O](#) [P](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV](#) [NEXT](#)

[FRAMES](#) [NO FRAMES](#)

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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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV](#) [NEXT](#)

[FRAMES](#) [NO FRAMES](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)**WebLogic Process Integrator Version**
1.2

com.bea.wlpi.server.admin

Interface AdminHome

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)**WebLogic Process Integrator Version**
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)**com.bea.wlpi.server.audit**

Interface Audit

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

*WebLogic Process Integrator Version
1.2*

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.server.audit

Interface AuditHome

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.[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.server.catalog

Interface EJBCatalog

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\(\)`](#)

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.server.catalog

Interface EJBCatalogHome

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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | [FIELD](#) | CONSTR | [METHOD](#) DETAIL: [FIELD](#) | CONSTR | [METHOD](#)

com.bea.wlpi.server.serverproperties

Interface ServerProperties

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.server.serverproperties

Interface ServerPropertiesHome

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)

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com.bea.wlpi.server.principal

Interface WLPIPrincipal

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.
java.security.Principal	createWlpiUser (java.lang.String userId, java.lang.String pswd) Create a new user in the realm and add it to the wlpiUsers group.
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.
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.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	isManageableSecurityRealm () Check whether the realm in question is manageable.
boolean	isRoleInOrganization (java.lang.String roleId, java.lang.String orgId) Check whether a role is defined within a particular organization.
boolean	isUserInOrganization (java.lang.String userId, java.lang.String orgId) Check whether a user belongs to particular organization.
void	ping () A "dummy" method for the client to ping.
void	removeUserFromOrganization (java.lang.String userId, java.lang.String orgId) Remove a user from an organization.

void	removeUserFromRole (java.lang.String userId, java.lang.String orgId, java.lang.String roleId) Remove a user from a role.
void	setOrganizationInfo (OrganizationInfo orgInfo) Update the information about an organization.
void	setRoleInfo (RoleInfo roleInfo) Update the information about a role.
void	setUserInfo (UserInfo 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 into the `weblogic.properties` file.

*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 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:

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.server.principal

Interface WLPIPrincipalHome

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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

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`com.bea.wlpi.server.worklist`

Interface Worklist

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

<code>java.lang.String</code>	<code>getActiveOrganization()</code> Return the active organization.
<code>java.util.List</code>	<code>getCallableWorkflows(java.lang.String orgId)</code> List the workflows that may be started by an action.
<code>java.util.List</code>	<code>getStartableWorkflows(java.lang.String orgId)</code> List the workflows that may be started manually.
<code>int[]</code>	<code>getTaskCounts()</code> Return the number of assigned and overdue tasks on a user's worklist.
<code>java.util.List</code>	<code>getTasks()</code> List the tasks assigned to the user who created this remote worklist object.
<code>java.util.List</code>	<code>getTasks(java.lang.String orgId, java.lang.String assigneeId, boolean isRole)</code> List the tasks assigned to a participant.
<code>java.lang.String</code>	<code>instantiateWorkflow(java.lang.String orgId, java.lang.String templateId)</code> Create a new workflow instance.
<code>java.lang.String</code>	<code>invokeWorkflowErrorHandler(java.lang.String templateDefinitionId, java.lang.String instanceId, java.lang.String handlerName, java.lang.String xml)</code> Invoke an error handler for a workflow instance.
<code>void</code>	<code>ping()</code> A "dummy" method for the client to ping.
<code>java.lang.String</code>	<code>response(java.lang.String templateDefinitionId, java.lang.String instanceId, java.lang.String nodeId, java.lang.String xml)</code> Send the client's response to a previously received client request.

void	setActiveOrganization (java.lang.String orgId) Set the active organization.
java.lang.String	taskAssign (java.lang.String templateDefinitionId, java.lang.String instanceId, java.lang.String taskId, java.lang.String assigneeId, boolean isRole, boolean userInRole) Assign a task to a participant.
java.lang.String	taskExecute (java.lang.String templateDefinitionId, java.lang.String instanceId, java.lang.String taskId) Execute a task instance.
java.lang.String	taskMarkDone (java.lang.String templateDefinitionId, java.lang.String instanceId, java.lang.String taskId) Mark a task instance as complete.
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 reassignment) 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.

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.

getCallableWorkflows

```
public java.util.List getCallableWorkflows(java.lang.String orgId)  
    throws java.rmi.RemoteException,
```

[WorkflowException](#)

List the workflows that may be started by an action.

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.

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.

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.

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.

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 userInRole)
    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.

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 reassignment)
    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 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 (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).

reassignment - 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.

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
```

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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
<	<
>	>
&	&
'	'
"	"

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

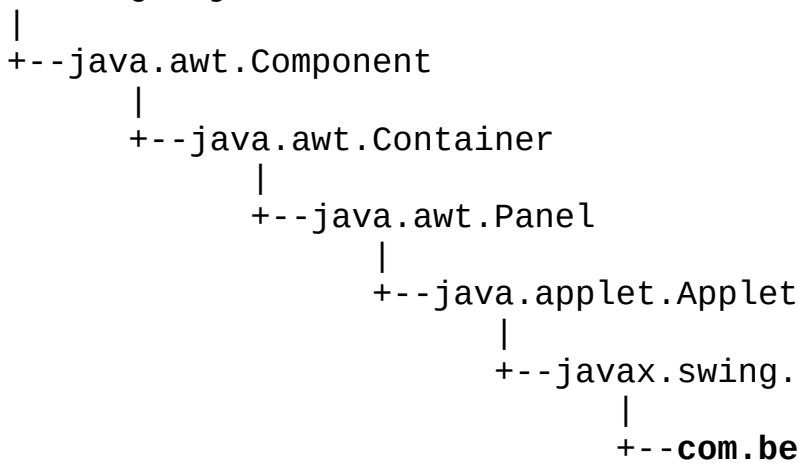
WebLogic Process Integrator Version 1.2

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com.bea.wlpi.client.worklist

Class WorklistApplet

java.lang.Object

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](#)

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

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	init() Applet initialization.
static void	main (java.lang.String[] args) Static method to launch the worklist as a standalone application.
void	start() Applet start.
void	stop() 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, getMaximumSize, getMinimumSize, getPreferredSize, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paint, paintComponents, preferredSize, print, printComponents, processContainerEvent, processEvent, remove, removeAll, removeContainerListener, removeNotify, setCursor, setFont, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, 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, 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, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint,

```
requestFocus, reshape, setBackground, setBounds, setBounds,  
setComponentOrientation, 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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[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 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**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**

Field Summary

protected [WorklistPane](#) **[worklist](#)****Fields inherited from class javax.swing.JFrame**

accessibleContext, 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

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, getInputContext, 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, 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, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, removeComponentListener, removeFocusListener, 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`

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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.server.worklist

Interface WorklistHome

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.

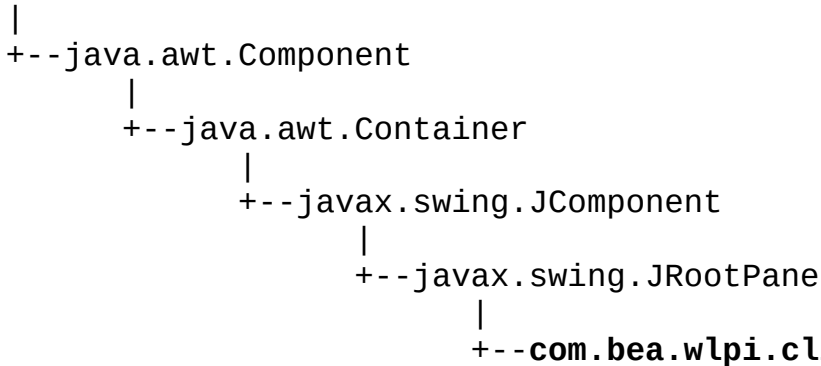
[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)**WebLogic Process Integrator Version
1.2**

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com.bea.wlpi.client.worklist

Class WorklistPane

java.lang.Object

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

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	<u>CMD_DONE</u>
protected static java.lang.String	<u>CMD_EXECUTE</u>
protected static java.lang.String	<u>CMD_EXIT</u>
protected static java.lang.String	<u>CMD_INACTIVE</u>
protected static java.lang.String	<u>CMD_LOGOFF</u>
protected static java.lang.String	<u>CMD_LOGON</u>
protected static java.lang.String	<u>CMD_LOGONMSG</u>
protected static java.lang.String	<u>CMD_MARK_DONE</u>
protected static java.lang.String	<u>CMD_OPTIONS</u>
protected static java.lang.String	<u>CMD_ORG</u>
protected static java.lang.String	<u>CMD_PASSWORD</u>
protected static java.lang.String	<u>CMD_PENDING</u>
protected static java.lang.String	<u>CMD_PROPERTIES</u>
protected static java.lang.String	<u>CMD_REASSIGN</u>
protected static java.lang.String	<u>CMD_REFRESH</u>
protected static java.lang.String	<u>CMD_START</u>
protected static java.lang.String	<u>CMD_STATUS</u>
protected static java.lang.String	<u>CMD_TAKE</u>
protected static java.lang.String	<u>CMD_UNMARK_DONE</u>
static boolean	<u>debug</u>

<code>protected static java.lang.String</code>	<u>DONE</u>
<code>protected static java.lang.String</code>	<u>ERROR_MESSAGE</u>
<code>protected static java.lang.String</code>	<u>H</u>
<code>protected static java.lang.String</code>	<u>IMAGE_PATH</u>
<code>protected static java.lang.String</code>	<u>INACTIVE</u>
<code>protected static java.lang.String</code>	<u>JMS_FACTORY</u>
<code>protected static java.lang.String</code>	<u>JNDI_FACTORY</u>
<code>protected static java.lang.String</code>	<u>LOGON_MESSAGE</u>
<code>protected static java.lang.String</code>	<u>LOOK_AND_FEEL</u>
<code>protected static java.lang.String</code>	<u>MAX_LIST_ITEMS_PER_CALL</u>
<code>protected static java.lang.String</code>	<u>MESSAGE_BUNDLE</u>
<code>protected static java.lang.String</code>	<u>NEWLINE</u>
<code>protected static java.lang.String</code>	<u>NOTIFICATION_THRESHOLD</u>
<code>protected static java.lang.String</code>	<u>NOTIFY_TOPIC</u>
<code>protected static java.lang.String</code>	<u>PENDING</u>
<code>protected java.util.Properties</code>	<u>prop</u>
<code>protected static java.lang.String</code>	<u>PROPERTIES_FILENAME</u>
<code>protected static java.lang.String</code>	<u>PROPERTY_PREFIX</u>
<code>protected static java.lang.String</code>	<u>RESOURCE_BUNDLE</u>
<code>protected static java.lang.String</code>	<u>TASK_NOTIFICATION</u>

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

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	start () Start the worklist.
void	start (java.lang.String url, java.lang.String userId, java.lang.String password) Start the worklist.

void	stateChanged (<code>javax.swing.event.ChangeEvent e</code>) Called when the user changes the active tasklist by clicking the tab control.
void	stop () Stop the worklist.
protected void	storeProperties () Store current properties.

Methods inherited from class javax.swing.JRootPane

addImpl, addNotify, createContentPane, createGlassPane, createLayeredPane, createRootLayout, findComponentAt, getAccessibleContext, getContentPane, getDefaultButton, getGlassPane, getJMenuBar, getLayeredPane, getMenuBar, isFocusCycleRoot, isValidRoot, paramString, removeNotify, setContentPane, setDefaultButton, setGlassPane, setJMenuBar, setLayeredPane, setMenuBar

Methods inherited from class javax.swing.JComponent

addAncestorListener, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInsets, getInsets, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getUIClassID, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, isDoubleBuffered, isFocusTraversable, isLightweightComponent, isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isRequestFocusEnabled, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, processComponentKeyEvent, processFocusEvent, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVisible, unregisterKeyboardAction, update, updateUI

Methods inherited from class java.awt.Container

add, add, add, add, add, add, addContainerListener, countComponents, deliverEvent, doLayout, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setCursor, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hide, 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, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, 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_PASSWORD

```
protected static final java.lang.String CMD_PASSWORD
```

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 [logout\(\)](#).

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>	<code>-</code>	Width of <i>n</i> th workflow status column.
<code>tasklist.w</code>	<code>600</code>	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>	Status, Name, Workflow, WorkflowId, DueDate, Started, Priority, Comment	Heading for <i>n</i> th worklist column.
<code>worklist.column.identifier.n</code>	Status, Name, Workflow, WorkflowId, DueDate, Started, Priority, Comment	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>	true	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.

login

```
protected boolean login(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:

[logout\(\)](#), [onMessage\(javax.jms.Message\)](#)

logout

```
protected void logout()
```

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:

[login\(java.lang.String, java.lang.String, java.lang.String\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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Serialized Form

Package com.bea.wlpi.client.common

Class [com.bea.wlpi.client.common.ColumnsDialog](#) implements Serializable

Serialized Fields

all

javax.swing.table.TableColumnModel **all**

btnAdd

javax.swing.JButton **btnAdd**

btnOkay

javax.swing.JButton **btnOkay**

btnRemove

javax.swing.JButton **btnRemove**

defaults

javax.swing.table.TableColumnModel **defaults**

displayed

javax.swing.table.TableColumnModel **displayed**

lAvailable

javax.swing.JList **lAvailable**

lDisplayed

javax.swing.JList **lDisplayed**

listModelAvailable

com.bea.wlpi.client.common.ColumnsDialog.ColumnListModel **listModelAvailable**

listModelDisplayed

com.bea.wlpi.client.common.ColumnsDialog.ColumnListModel **listModelDisplayed**

spAvailable

javax.swing.JScrollPane **spAvailable**

spDisplayed

javax.swing.JScrollPane **spDisplayed**

Class [com.bea.wlpi.client.common.ColumnsMenuItem](#) implements Serializable

Serialized Fields

allColumns

javax.swing.table.TableColumnModel **allColumns**

columns

javax.swing.table.TableColumnModel **columns**

defaultColumns

javax.swing.table.TableColumnModel **defaultColumns**

owner

java.awt.Frame **owner**

Class [com.bea.wlpi.client.common.ColumnSorterMenu](#) implements Serializable

Serialized Fields

cbiAscending

javax.swing.JCheckBoxMenuItem **cbiAscending**

clickListener

com.bea.wlpi.client.common.ColumnSorterMenu.MouseClickListener **clickListener**

group

javax.swing.ButtonGroup **group**

table

javax.swing.JTable **table**

Class [com.bea.wlpi.client.common.Logon](#) implements **Serializable**

Serialized Fields

okay

boolean **okay**

password

java.lang.String **password**

txtPassword

javax.swing.JTextField **txtPassword**

txtUrl

javax.swing.JTextField **txtUrl**

txtUserId

javax.swing.JTextField **txtUserId**

url

java.lang.String **url**

userId

java.lang.String **userId**

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

ascending

boolean **ascending**

compares

`int compares`

indexes

`int[] indexes`

sortingColumns

`java.util.ArrayList sortingColumns`

Class [com.bea.wlpi.client.common.Tasklist](#) implements **Serializable**

Serialized Fields

bDone

`boolean bDone`

bInactive

`boolean bInactive`

bPending

`boolean bPending`

bRole

`boolean bRole`

component

java.awt.Component **component**

listId

java.lang.String **listId**

listType

int **listType**

model

com.bea.wlpi.client.common.Tasklist.TasklistTableModel **model**

sorter

[SortableTableModel](#) **sorter**

table

javax.swing.JTable **table**

tsubscriber

javax.jms.TopicSubscriber **tsubscriber**

vDisplayedTasks

java.util.List **vDisplayedTasks**

vTasks

java.util.List **vTasks**

wlpi

[WLPI](#) **wlpi**

Class [com.bea.wlpi.client.common.TaskPropertiesDialog](#) implements Serializable

Serialized Fields

cboPriority

javax.swing.JComboBox **cboPriority**

chkDoItIfDone

javax.swing.JCheckBox **chkDoItIfDone**

chkDoneWithoutDoIt

javax.swing.JCheckBox **chkDoneWithoutDoIt**

chkModifiable

javax.swing.JCheckBox **chkModifiable**

chkReassign

javax.swing.JCheckBox **chkReassign**

chkUnmarkDone

javax.swing.JCheckBox **chkUnmarkDone**

lblPriority

javax.swing.JLabel **lblPriority**

task

[TaskInfo](#) **task**

wlpi

[WLPI](#) **wlpi**

Class [com.bea.wlpi.client.common.TaskReassignDialog](#) implements Serializable

Serialized Fields

cboRoles

javax.swing.JComboBox **cboRoles**

cboUsers

javax.swing.JComboBox **cboUsers**

rbRole

javax.swing.JRadioButton **rbRole**

rbUser

javax.swing.JRadioButton **rbUser**

rbUserInRole

javax.swing.JRadioButton **rbUserInRole**

task

[TaskInfo](#) **task**

vRoles

java.util.List **vRoles**

vUsers

java.util.List **vUsers**

wlpi

[WLPI](#) **wlpi**

Class

[com.bea.wlpi.client.common.WATableColumnModel](#)
implements Serializable

Class

[com.bea.wlpi.client.common.WorkflowStatusDialog](#)
implements Serializable

Serialized Fields

cbiDone

javax.swing.JCheckBoxMenuItem **cbiDone**

cbiInactive

javax.swing.JCheckBoxMenuItem **cbiInactive**

cbiPending

javax.swing.JCheckBoxMenuItem **cbiPending**

miProperties

javax.swing.JMenuItem **miProperties**

miSorter

[ColumnSorterMenu](#) **miSorter**

owner

java.awt.Frame **owner**

popup

javax.swing.JPopupMenu **popup**

prop

java.util.Properties **prop**

taskList

[TaskList](#) taskList

wlpi

[WLPI](#) wlpi

workflow

[InstanceInfo](#) workflow

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**

Class [com.bea.wlpi.common.ClassDescriptor](#) implements Serializable

Serialized Fields

constructors

[MethodDescriptor](#)[] **constructors**

isSerializable

boolean **isSerializable**

methods

[MethodDescriptor](#)[] **methods**

modifiers

int **modifiers**

Class [com.bea.wlpi.common.ClassInvocationDescriptor](#) implements Serializable

Serialized Fields

className

java.lang.String **className**

constructorDescriptor

[MethodDescriptor](#) constructorDescriptor

constructorParmDescriptions

java.lang.String[] constructorParmDescriptions

description

java.lang.String description

id

java.lang.String id

methodDescriptor

[MethodDescriptor](#) methodDescriptor

methodParmDescriptions

java.lang.String[] methodParmDescriptions

Class [com.bea.wlpi.common.EJBDescriptor](#) implements Serializable

Serialized Fields

ejbDeploymentName

java.lang.String ejbDeploymentName

ejbHomeName

java.lang.String **ejbHomeName**

ejbPrimaryKeyName

java.lang.String **ejbPrimaryKeyName**

ejbRemoteName

java.lang.String **ejbRemoteName**

homeMethodDescriptors

java.util.List **homeMethodDescriptors**

isSessionEJB

boolean **isSessionEJB**

remoteMethodDescriptors

java.util.List **remoteMethodDescriptors**

**Class [com.bea.wlpi.common.EJBInvocationDescriptor](#)
implements Serializable**

Serialized Fields

description

java.lang.String **description**

ejbDeploymentName

java.lang.String **ejbDeploymentName**

ejbHomeMethod

[MethodDescriptor](#) **ejbHomeMethod**

ejbHomeName

java.lang.String **ejbHomeName**

ejbIsSessionBean

boolean **ejbIsSessionBean**

ejbPrimaryKeyName

java.lang.String **ejbPrimaryKeyName**

ejbRemoteMethod

[MethodDescriptor](#) **ejbRemoteMethod**

ejbRemoteName

java.lang.String **ejbRemoteName**

homeParmDescriptions

java.lang.String[] **homeParmDescriptions**

id

java.lang.String id

remoteParmDescriptions

java.lang.String[] remoteParmDescriptions

Class [com.bea.wlpi.common.EventKeyInfo](#) implements
Serializable

Serialized Fields

expr

java.lang.String expr

root

java.lang.String root

Class [com.bea.wlpi.common.FunctionInfo](#) implements
Serializable

Serialized Fields

name

java.lang.String name

prototype

java.lang.String prototype

Class [com.bea.wlpi.common.InstanceInfo](#) implements
Serializable

Serialized Fields

comment

java.lang.String **comment**

completed

java.sql.Timestamp **completed**

id

java.lang.String **id**

idString

java.lang.String **idString**

initiator

java.lang.String **initiator**

name

java.lang.String **name**

parentId

java.lang.String **parentId**

started

java.sql.Timestamp **started**

state

int **state**

templateDefinitionId

java.lang.String **templateDefinitionId**

templateId

java.lang.String **templateId**

**Class [com.bea.wlpi.common.MethodDescriptor](#)
implements Serializable**

Serialized Fields

exceptionTypes

java.lang.String[] **exceptionTypes**

methodName

java.lang.String **methodName**

modifiers

int **modifiers**

parameterTypes

java.lang.String[] **parameterTypes**

returnType

java.lang.String **returnType**

Class [com.bea.wlpi.common.OrganizationInfo](#) implements Serializable

Serialized Fields

calendarId

java.lang.String **calendarId**

orgId

java.lang.String **orgId**

Class [com.bea.wlpi.common.RerouteInfo](#) implements Serializable

Serialized Fields

effective

java.sql.Timestamp **effective**

expiry

java.sql.Timestamp **expiry**

from

java.lang.String **from**

id

java.lang.String **id**

to

java.lang.String **to**

type

int **type**

**Class [com.bea.wlpi.common.RoleInfo](#) implements
Serializable**

Serialized Fields**calendarId**

java.lang.String **calendarId**

orgId

java.lang.String **orgId**

roleId

java.lang.String **roleId**

Class [com.bea.wlpi.common.TaskInfo](#) implements
Serializable

Serialized Fields

assignee

java.lang.String **assignee**

assigneeIsRole

boolean **assigneeIsRole**

comment

java.lang.String **comment**

completed

java.sql.Timestamp **completed**

doitIfDone

boolean **doitIfDone**

doneWithoutDoit

boolean **doneWithoutDoit**

due

java.sql.Timestamp **due**

instanceId

java.lang.String **instanceId**

modifiable

boolean **modifiable**

name

java.lang.String **name**

priority

int **priority**

reassignment

boolean **reassignment**

started

java.sql.Timestamp **started**

taskId

java.lang.String **taskId**

templateDefinitionId

java.lang.String **templateDefinitionId**

templateId

java.lang.String **templateId**

unmarkDone

boolean **unmarkDone**

workflow

java.lang.String **workflow**

workflowId

java.lang.String **workflowId**

Class [com.bea.wlpi.common.TemplateDefinitionInfo](#) implements Serializable

Serialized Fields

active

boolean **active**

effective

java.sql.Timestamp **effective**

expiry

java.sql.Timestamp **expiry**

id

java.lang.String **id**

Class [com.bea.wlpi.common.TemplateInfo](#) implements Serializable

Serialized Fields**id**

java.lang.String **id**

name

java.lang.String **name**

Class [com.bea.wlpi.common.UserInfo](#) implements Serializable

Serialized Fields**calendarId**

java.lang.String **calendarId**

defaultOrgId

java.lang.String **defaultOrgId**

eMailAddress

java.lang.String **eMailAddress**

userId

java.lang.String **userId**

Class [com.bea.wlpi.common.VariableInfo](#) implements **Serializable**

Serialized Fields

name

java.lang.String **name**

value

java.lang.Object **value**

Class [com.bea.wlpi.common.VersionInfo](#) implements **Serializable**

Serialized Fields

build

java.lang.String **build**

majorVersion

int **majorVersion**

minorVersion

int **minorVersion**

name

java.lang.String **name**

Class [com.bea.wlpi.common.WorkflowException](#) implements Serializable

Serialized Fields

args

java.lang.Object[] **args**

msgNum

int **msgNum**

nestedException

java.lang.Exception **nestedException**

origin

java.lang.String **origin**

serverStackTrace

java.lang.String **serverStackTrace**

severity

int **severity**

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

applet

java.applet.Applet **applet**

bEnableNotifications

boolean **bEnableNotifications**

bInitializing

boolean **bInitializing**

bTaskAssignedDlg

boolean **bTaskAssignedDlg**

cbiDone

javax.swing.JCheckBoxMenuItem **cbiDone**

cbiInactive

javax.swing.JCheckBoxMenuItem **cbiInactive**

cbiLogonMsg

javax.swing.JCheckBoxMenuItem **cbiLogonMsg**

cbiPending

javax.swing.JCheckBoxMenuItem **cbiPending**

cbOrgs

javax.swing.JComboBox **cbOrgs**

columns

[WTableColumnModel](#) **columns**

menuBar

javax.swing.JMenuBar **menuBar**

miExecute

javax.swing.JMenuItem **miExecute**

miLogoff

javax.swing.JMenuItem **miLogoff**

miLogon

javax.swing.JMenuItem **miLogon**

miMarkDone

javax.swing.JMenuItem **miMarkDone**

miPassword

javax.swing.JMenuItem **miPassword**

miProps

javax.swing.JMenuItem **miProps**

miReassign

javax.swing.JMenuItem **miReassign**

miSorter

[ColumnSorterMenu](#) **miSorter**

miTake

javax.swing.JMenuItem **miTake**

miUnmarkDone

javax.swing.JMenuItem **miUnmarkDone**

mnuHelp

javax.swing.JMenu **mnuHelp**

mnuTask

javax.swing.JMenu **mnuTask**

mnuTools

javax.swing.JMenu **mnuTools**

mnuView

javax.swing.JMenu **mnuView**

mnuWorkflow

javax.swing.JMenu **mnuWorkflow**

nextTaskNotification

long **nextTaskNotification**

owner

java.awt.Frame **owner**

popup

javax.swing.JPopupMenu **popup**

prop

java.util.Properties **prop**

tabs

javax.swing.JTabbedPane **tabs**

taskListener

com.bea.wlpi.client.worklist.WorklistPane.TaskListener **taskListener**

taskLists

[Tasklist](#)[] **taskLists**

tcon

javax.jms.TopicConnection **tcon**

toolbar

javax.swing.JToolBar **toolbar**

topic

javax.jms.Topic **topic**

tsession

javax.jms.TopicSession **tsession**

tsubscriber

javax.jms.TopicSubscriber **tsubscriber**

vListeners

java.util.List **vListeners**

wlpi

[WLPI](#) **wlpi**

[Overview](#) Package Class [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV](#) [NEXT](#)

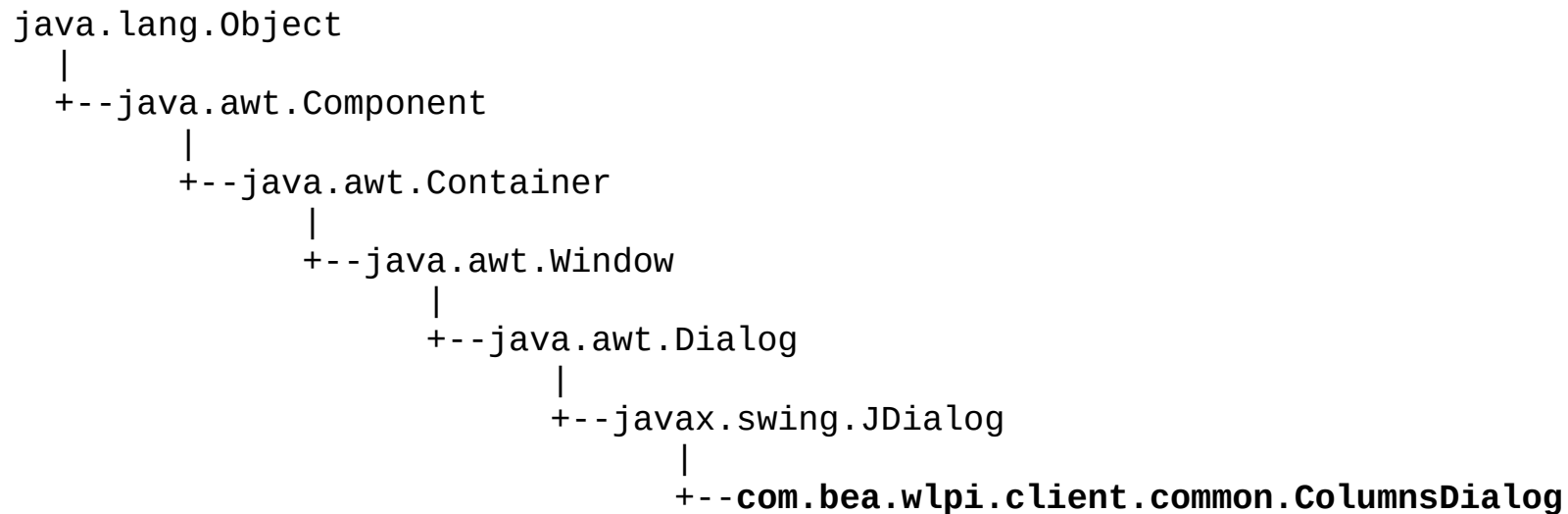
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com.bea.wlpi.client.common

Class ColumnsDialog

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****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

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, getInputContext, 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, 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, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, 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

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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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.
ExceptionHandler	Reports exceptions in WebLogic Process Integrator clients.
ExtensionFileFilter	FileChooser filter that discriminates by file extension.
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.
TaskPropertiesDialog	A dialog to enable a user to update the properties and permission flags for a task.
TaskReassignDialog	A dialog to enable a user to reassign a task to another user or role.
Version	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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV PACKAGE](#) [NEXT PACKAGE](#) [FRAMES](#) [NO FRAMES](#)

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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.JScrollPane (implements
javax.accessibility.Accessible, javax.swing.ScrollPaneConstants)
 - class com.bea.wlpi.client.common.[Tasklist](#) (implements
javax.jms.MessageListener)
- class java.awt.Window
 - 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.[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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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)
-

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV PACKAGE](#) [NEXT PACKAGE](#)[FRAMES](#) [NO FRAMES](#)*WebLogic Process Integrator Version*
1.2

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.

Package com.bea.wlpi.client.util Description

Various utilities for use with WebLogic Process Integrator.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV PACKAGE](#) [NEXT PACKAGE](#)[FRAMES](#) [NO FRAMES](#)*WebLogic Process Integrator Version*
1.2

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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.

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.

[FunctionInfo](#)

Holds information about a workflow function.

[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.

[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.

<u>TemplateInfo</u>	Holds information about a workflow template.
<u>UserInfo</u>	Holds information about a workflow user.
<u>VariableInfo</u>	Holds information about a workflow variable.
<u>VersionInfo</u>	Holds information about a version number.

Exception Summary

<u>WorkflowException</u>	Encapsulates exceptions encountered when executing a remote EJB call.

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV PACKAGE](#) [NEXT PACKAGE](#)

[FRAMES](#) [NO FRAMES](#)

WebLogic Process Integrator Version 1.2

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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, java.io.Serializable)
 - class com.bea.wlpi.common.[ClassDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[ClassInvocationDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[EJBDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[EJBInvocationDescriptor](#) (implements java.io.Serializable)
 - class com.bea.wlpi.common.[EventKeyInfo](#) (implements java.lang.Comparable, java.io.Serializable)
 - class com.bea.wlpi.common.[FunctionInfo](#) (implements java.lang.Comparable, 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, 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, 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, java.io.Serializable)
 - class com.bea.wlpi.common.[TemplateInfo](#) (implements java.lang.Comparable,

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, 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)

Interface Hierarchy

- interface com.bea.wlpi.common.[Messages](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV](#) [NEXT](#)

[FRAMES](#) [NO FRAMES](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class BusinessCalendarInfo

java.lang.Object

|

+ - - com.bea.wlpi.common.BusinessCalendarInfo

public final class **BusinessCalendarInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

Constructor Summary

[BusinessCalendarInfo](#)(java.lang.String id, java.lang.String name, java.lang.String timezone, java.lang.String xml)
Create a new BusinessCalendarInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two BusinessCalendarInfo objects.
boolean	equals (java.lang.Object obj) Test two BusinessCalendarInfo objects for equality.
java.lang.String	getId () Return the business calendar ID.

java.lang.String	getName () Return the business calendar display name.
java.lang.String	getTimeZone () Return the timezone in which the business calendar operates.
java.lang.String	getXML () Return the business calendar definition.
void	setId (java.lang.String id) Set the business calendar unique ID.
void	setName (java.lang.String name) Set the business calendar name.
void	setTimeZone (java.lang.String timezone) Set the business calendar timezone.
void	setXML (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.

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\(java.lang.String\)](#)

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\(java.lang.Object\)](#)

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

PREV CLASS [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class ClassDescriptor

java.lang.Object

|
+ - - com.bea.wlpi.common.ClassDescriptorpublic 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](#)

WebLogic Process Integrator Version
1.2

[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 ClassInvocationDescriptor



public class **ClassInvocationDescriptor**

extends java.lang.Object

implements java.io.Serializable

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](#)

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.

Method Summary	
java.lang.String	getClassname () Return the fully qualified Java class name.
MethodDescriptor	getConstructor () Return meta-data for constructor to invoke.
java.lang.String[]	getConstructorParmsDescriptions () Return constructor parameter descriptions.
java.lang.String	getDescription () Return a human-readable description of the method invocation.
java.lang.String	getId () Return the system-assigned unique identifier.
MethodDescriptor	getMethod () Return meta-data for method to invoke.

java.lang.String[]	getMethodParmsDescriptions() Return method parameter descriptions.
java.lang.Object	invoke (java.lang.Object[] constructorParameters, java.lang.Object[] methodParameters) Create an instance of the Java class; then, invoke a method on it.
java.lang.Object	invokeConstructor (java.lang.Object[] constructorParameters) Create an instance of the Java class.
java.lang.Object	invokeMethod (java.lang.Object obj, java.lang.Object[] methodParameters) Invoke the method specified by this descriptor on an object.
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.
void	setId (java.lang.String id) Set the unique identifier.

Methods inherited from class java.lang.Object

clone, 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.

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.

getId

```
public final java.lang.String getId()
```

Return the system-assigned unique identifier.

Returns:

The system-assigned unique identifier.

See Also:

[setId\(java.lang.String\)](#)

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\[\]\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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com.bea.wlpi.common

Class EJBDescriptor

java.lang.Object

└
+-- **com.bea.wlpi.common.EJBDescriptor**

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](#), [Serialized Form](#)

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\(\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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Class EJBInvocationDescriptor

java.lang.Object

|

+ - - com.bea.wlpi.common.EJBInvocationDescriptor

public class **EJBInvocationDescriptor**

extends java.lang.Object

implements java.io.Serializable

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](#)

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.

Method Summary

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[]	getHomeParmsDescriptions() Return the parameter descriptions for the home method to invoke.
java.lang.String	getId() Return the system-assigned unique identifier.
java.lang.String[]	getRemoteParmsDescriptions() Return the parameter descriptions for the remote method to invoke.
java.lang.String	getReturnTypeName() Get the remote method return type.
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	isSessionEJB() Return true if the contained bean is a Session EJB
boolean	isVerbose() Check whether the invokeXXX() methods emit debugging messages.
void	set (java.lang.String description, EJBDescriptor beanDescriptor, MethodDescriptor homeMethodDescriptor, java.lang.String[] homeParmDescriptions, MethodDescriptor remoteMethodDescriptor, java.lang.String[] remoteParmDescriptions) Set descriptor values.
void	setEJBDeploymentName (java.lang.String deploymentName) Set the EJB deployment name.
void	setEJBHomeMethod (MethodDescriptor ejbHomeMethod) Set the home method to invoke.
void	setEJBHomeName (java.lang.String ejbHomeName) Set the home interface name.

void	setEJBPrimaryKeyName (java.lang.String ejbPrimaryKeyName) Set the primary key class name.
void	setEJBRemoteMethod (MethodDescriptor ejbRemoteMethod) Set the remote method to invoke.
void	setEJBRemoteName (java.lang.String ejbRemoteName) Set the remote interface name.
void	setId (java.lang.String id) Set the unique identifier.
void	setVerbose (boolean verbose) Set whether the invokeXXX() methods emit debugging messages.

Methods inherited from class java.lang.Object

clone, 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.

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\(\)](#)

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.

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\(boolean\)](#)

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.

getHomeParmsDescriptions

public final java.lang.String[] **getHomeParmsDescriptions()**

Return the parameter descriptions for the home method to invoke.

Returns:

Parameter descriptions for the home method to invoke.

getRemoteParmsDescriptions

```
public final java.lang.String[] getRemoteParmsDescriptions()
```

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\(java.lang.String\)](#)

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\(com.bea.wlpi.common.MethodDescriptor\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)
WebLogic Process Integrator Version
1.2
[PREV CLASS](#) [NEXT CLASS](#)
[FRAMES](#) [NO FRAMES](#)

 SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#)
 DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class EventKeyInfo

java.lang.Object

 |
 +-- **com.bea.wlpi.common.EventKeyInfo**
public class **EventKeyInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

Constructor Summary

[EventKeyInfo](#)(java.lang.String root, java.lang.String expr)

Create a new XML event key info object.

Method Summary

int	compareTo (java.lang.Object o) Compare two EventKeyInfo objects.

boolean	equals (java.lang.Object obj) Test two EventKeyInfo objects for equality.
java.lang.String	getExpr () Return a workflow expression that yields a unique key for a document.
java.lang.String	getRoot () Return the XML document element name.
void	setExpr (java.lang.String expr) Set the unique key expression.

Methods inherited from class java.lang.Object

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

Constructor Detail

EventKeyInfo

```
public EventKeyInfo(java.lang.String root,
                    java.lang.String expr)
```

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.

Method Detail

getRoot

```
public final java.lang.String getRoot()
```

Return the XML document element name.

Returns:

The XML document element name to which this event key relates.

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\(java.lang.String\)](#)

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 o)
```

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 root members using the String.compareTo(Object) method.

Throws:

java.lang.ClassCastException - if o is not an instance of EventKeyInfo.

See Also:

[equals\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[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 FunctionInfo

java.lang.Object

|
+ - - **com.bea.wlpi.common.FunctionInfo**public final class **FunctionInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

Holds information about a workflow function.

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](#)

Constructor Summary

[FunctionInfo](#)(java.lang.String name, java.lang.String prototype)
Create a new FunctionInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two FunctionInfo objects.
boolean	equals (java.lang.Object obj) Test two FunctionInfo objects for equality.
java.lang.String	getName () Return the function name.

java.lang.String	<u>getPrototype()</u> Return the function prototype.

Methods inherited from class java.lang.Object

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

Constructor Detail

FunctionInfo

```
public FunctionInfo(java.lang.String name,
                    java.lang.String prototype)
```

Create a new FunctionInfo object.

Parameters:

name - The function name.

prototype - The function prototype in pseudo-Bachus-Naur form.

Method Detail

getName

```
public final java.lang.String getName()
```

Return the function name.

Returns:

The function name.

getPrototype

```
public final java.lang.String getPrototype()
```

Return the function prototype.

Returns:

The function prototype in pseudo-Bachus-Naur form.

equals

public boolean **equals**(java.lang.Object obj)

Test two FunctionInfo 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 FunctionInfo with the same name as this one.

See Also:

[compareTo\(java.lang.Object\)](#)

compareTo

public int **compareTo**(java.lang.Object o)

Compare two FunctionInfo 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 FunctionInfo.

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 FunctionInfo.

See Also:

[equals\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class InstanceInfo

java.lang.Object

|
+ - - **com.bea.wlpi.common.InstanceInfo**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.

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.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.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, toString, 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.

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.

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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version
1.2*[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class LongStrings

java.lang.Object

|
+ - - com.bea.wlpi.common.LongStringspublic 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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class MethodDescriptor

java.lang.Object

|
+ - - **com.bea.wlpi.common.MethodDescriptor**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.

java.lang.String[] **[getParameterTypes](#)**()

Return an array of fully qualified parameter class or interface names.

java.lang.String	getReturnType() Return the method's return type.
boolean	isAbstract() Return whether this is an abstract method.
boolean	isFinal() Return whether this is a final method.
boolean	isNative() Return whether this is a native method.
boolean	isPrivate() Return whether this is a private method or constructor.
boolean	isProtected() Return whether this is a protected method or constructor.
boolean	isPublic() Return whether this is a public method or constructor.
boolean	isStatic() Return whether this is a static method.
boolean	isStrict() Return whether this is a strict method.
boolean	isSynchronized() Return whether this is a synchronized method.
java.lang.String	toString() 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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class OrganizationInfo

java.lang.Object

|
+ - - **com.bea.wlpi.common.OrganizationInfo**public final class **OrganizationInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

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 [compareTo](#)(java.lang.Object o)

Compare two OrganizationInfo objects.

boolean [equals](#)(java.lang.Object obj)

Test two OrganizationInfo objects for equality.

java.lang.String	getCalendarId () Return the ID of the business calendar to use.
java.lang.String	getOrgId () Return the organization ID.
void	setCalendarId (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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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1.2**

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com.bea.wlpi.common

Class RerouteInfo

java.lang.Object

```
graph TD
    Object[java.lang.Object] --> RerouteInfo[com.bea.wlpi.common.RerouteInfo]
```

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.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, toString, 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\(java.lang.Object\)](#)

Overview	Package	Class	Tree	Deprecated	Index	Help

PREV CLASS	NEXT CLASS

FRAMES	NO FRAMES

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class RoleInfo

java.lang.Object

|

+ - - com.bea.wlpi.common.RoleInfo

public final class **RoleInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

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.

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.String	getOrgId () Return the organization within which the role is defined.
java.lang.String	getRoleId () Return the role ID.
void	setCalendarId (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

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.

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\(java.lang.String\)](#)

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\(\)](#)

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\(java.lang.Object\)](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class TaskInfo

java.lang.Object

|

+ - - com.bea.wlpi.common.TaskInfo

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	getPriority () Return the task priority.

boolean	getReassignment() Return whether a user can reassign the task at runtime.
java.sql.Timestamp	getStarted() Return the date/time at which the task was started.
int	getStatus() Return the task's status.
java.lang.String	getTaskId() Return the task ID.
java.lang.String	getTemplateDefinitionId() Return the workflow template definition ID.
java.lang.String	getTemplateId() Return the workflow template ID.
boolean	getUnmarkDone() Return whether a user can manually mark the task as incomplete.
java.lang.String	getWorkflow() Return the workflow name.
java.lang.String	getWorkflowId() Return the human-readable workflow instance label.
boolean	isAssignedToRole() Return whether the task is assigned to a role.
java.lang.String	toString() 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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class TemplateDefinitionInfo

java.lang.Object

|

+ - - com.bea.wlpi.common.TemplateDefinitionInfo

public final class **TemplateDefinitionInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

Constructor Summary

[TemplateDefinitionInfo](#)(java.lang.String id,
java.sql.Timestamp effective, java.sql.Timestamp expiry,
boolean active)

Create a new TemplateDefinitionInfo object.

Method Summary

int	compareTo (java.lang.Object o) Compare two TemplateDefinitionInfo objects.
boolean	equals (java.lang.Object obj) Test two TemplateDefinitionInfo objects for equality.
boolean	getActive () Return whether the definition is marked as active.

java.sql.Timestamp	getEffective() Return the effective date for the definition.
java.sql.Timestamp	getExpiry() Return the expiry date for the definition.
java.lang.String	getId() Return the template definition ID.

Methods inherited from class java.lang.Object

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

Constructor Detail

TemplateDefinitionInfo

```
public TemplateDefinitionInfo(java.lang.String id,
                             java.sql.Timestamp effective,
                             java.sql.Timestamp expiry,
                             boolean active)
```

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).

Method Detail

getId

```
public final java.lang.String getId()
```

Return the template definition ID.

Returns:

The template definition ID as set by the constructor.

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.

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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class TemplateInfo

java.lang.Object

|
+ - - **com.bea.wlpi.common.TemplateInfo**public final class **TemplateInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

Constructor Summary

[TemplateInfo](#)(java.lang.String id, java.lang.String name)

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.String	getId () Return the template ID.

java.lang.String	getName () Return the template name.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, toString, 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.

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.

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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

**WebLogic Process Integrator Version
1.2**

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com.bea.wlpi.common

Class UserInfo

java.lang.Object

|

+ - - com.bea.wlpi.common.UserInfo

public final class **UserInfo**

extends java.lang.Object

implements java.io.Serializable, java.lang.Comparable

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](#)

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 **[compareTo](#)**(java.lang.Object o)

Compare two UserInfo objects.

boolean **[equals](#)**(java.lang.Object obj)

Test two UserInfo objects for equality.

java.lang.String	getCalendarId () Return the user's business calendar.
java.lang.String	getDefaultOrgId () Return the user's default organization.
java.lang.String	getEmailAddress () Return the user's email address.
java.lang.String	getUserId () Return the user ID.
void	setCalendarId (java.lang.String calendarId) Set the user's business calendar.
void	setDefaultOrg (java.lang.String defaultOrgId) Set the user's default organization.
void	setEmailAddress (java.lang.String emailAddress) Set the user's email address.

Methods inherited from class java.lang.Object

clone, finalize, getClass, hashCode, notify, notifyAll, toString, 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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

**WebLogic Process Integrator Version
1.2**

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class VariableInfo

java.lang.Object

|
+ - - com.bea.wlpi.common.VariableInfopublic 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](#)

Constructor Summary

[VariableInfo](#)(java.lang.String name, java.lang.Object value)Create a new `VariableInfo` object.

Method Summary

int	compareTo (java.lang.Object o) Compare two <code>VariableInfo</code> objects.
boolean	equals (java.lang.Object obj) Test two <code>VariableInfo</code> objects for equality.
java.lang.String	getName () Return the variable name.

java.lang.Object	getValue() Return the variable value.

Methods inherited from class java.lang.Object

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

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.

Method Detail

getName

```
public final java.lang.String getName()
```

Return the variable name.

Returns:

The variable name as set by the constructor.

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\(java.lang.Object\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version
1.2*[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.common

Class VersionInfo

java.lang.Object

|
+ - - **com.bea.wlpi.common.VersionInfo**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, java.lang.String build, java.lang.String name)
Create a new VersionInfo object.

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	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").

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.

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` and `build` members, separated by periods (e.g. "1.2.0").

Overrides:

`toString` in class `java.lang.Object`

Returns:

the version number as a string.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[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 WorkflowException

java.lang.Object

|

+ - java.lang.Throwable

|

+ - java.lang.Exception

|

+ - **com.bea.wlpi.common.WorkflowException**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 **[getMessage](#)**()

Return the error message string of this object.

int	getMessageNumber() Return the exception message number.
java.lang.Exception	getNestedException() Return the nested exception (null if none).
java.lang.String	getOrigin() Return the name of the workflow component from which this exception originated.
java.lang.Exception	getOriginalException() Return the original exception.
static java.lang.Exception	getOriginalException(java.lang.Exception e) Return the innermost nested exception.
int	getSeverity() Return the exception severity code.
java.lang.String	getSeverityDescription() Return a string to indicate the severity of the exception.
boolean	isDeadlock() Whether this exception resulted from a database deadlock.
static boolean	isDeadlock(java.lang.Exception e) Whether an exception resulted from a database deadlock.
void	printStackTrace() Print this exception and its backtrace to the standard error stream.
void	printStackTrace(java.io.PrintStream stream) Print this exception and its backtrace to the specified print stream.
void	printStackTrace(java.io.PrintWriter writer) 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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [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 Java class "{0}" was not found on the server."
static int	BUS_OP_JNDI_NAME_NOT_FOUND "An EJB deployed with JNDI name "{0}" was not found on the server."
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	<u>BUSINESS_OP_NOT_FOUND</u> "The system could not find the specified business operation {0}."
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>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>DATABASE_CONNECT_FAILED</u> "Unable to connect to database."

static int	DATE_INVALID "The date {0} is invalid."
static int	DAY_NAME_INVALID "Invalid day name: {0}."
static int	EFF_TEMPLATE_DEFN_NOT_FOUND "The system could not find an active, effective template definition to start."
static int	EJB_HOME_BINDING_INVALID "Object bound to {0} does not implement home interface {1}."
static int	EJB_HOME_ENV_NOT_SET "EJB home environment not set."
static int	EJB_HOME_INTERFACE_NOT_BOUND "No object is bound to {0} in specified context; {1}."
static int	EJB_HOME_INTERFACE_NOT_FOUND "Unable to load class object for home interface of type {0}; {1}."
static int	EJB_HOME_METHOD_NOT_FOUND "No home method was found on {0} matching {1}; {2}."
static int	EJB_INITIAL_CONTEXT_EXCEPTION "Unable to get initial context: environment may be invalid; {0}."
static int	EJB_METHOD_INVOCATION_FAILED "EJB {0} method invocation failed; {1}."
static int	EJB_REMOTE_INTERFACE_NOT_FOUND "Unable to load class object for remote interface of type {0}; {1}."
static int	EJB_REMOTE_METHOD_NOT_FOUND "No remote method was found on {0} matching {1}; {2}."
static int	EJB_REMOTE_OBJECT_NOT_FOUND "No remote object(s) were found."
static int	EJB_RETURN_CLASS_NOT_FOUND "Unable to load class for method return value of type {0}; {1}."
static int	EJB_SESSION_BEAN_NOT_CREATED "The home method did not return a session bean."

static int	EJB_UNEXPECTED_RETURN_TYPE "{0} object returned from method invocation not of expected type {1}."
static int	ERROR_HANDLER_CUSTOM_ERROR "The application or workflow instance invoked an error handler."
static int	ERROR_HANDLER_EXCEPTION "An exception occurred during error handler processing."
static int	ERROR_HANDLER_NOT_FOUND "The system could not find the error handler {0}."
static int	ERROR_HANDLER_RETRIES_EXCEEDED "An error handler exceeded the maximum number of retries allowed."
static int	ERROR_SYSTEM "System error"
static int	ERROR_UNKNOWN "Unknown error"
static int	ERROR_WORKFLOW "Workflow error"
static int	ILLEGAL_CONVERSION "Illegal type conversion: from {0} to {1}."
static int	INPUT_VARIABLE_NOT_SET "Mandatory input variable {0} not set."
static int	INTERVAL_FROM_DATE_INVALID "The interval 'from' date is invalid."
static int	INTERVAL_TO_DATE_INVALID "The interval 'to' date is invalid."
static int	INTERVAL_UNIT_INVALID "Invalid interval unit: {0}."
static int	INVOCATION_OBJECT_NOT_FOUND "The invocation object for a business operation was not found."
static int	JOIN_INSTANCE_NOT_FOUND "The system could not find the specified join instance: {0}."

static int	METHOD_INVOCATION_FAILED "{0} method invocation failed; {1}."
static int	METHOD_NOT_FOUND "No method was found on {0} matching {1}; {2}."
static int	METHOD_WRONG_PARAMETER_COUNT "Wrong number of parameters for method: expected {1}, found {2}."
static int	MONTH_NAME_INVALID "Invalid month name: {0}."
static int	NESTED_EXCEPTION "Nested exception is"
static int	ORG_NAMES_UNIQUE "{0} is already in use as an Organization name."
static int	ORG_NOT_FOUND "The system could not find the specified organization: {0}."
static int	ORG_USER_ADD_FAILED "The system could not add user {0} to organization {1}."
static int	ORG_USER_NOT_FOUND "User {0} does not belong to organization {1}."
static int	ORG_USER_REMOVE_FAILED "The system could not remove user {0} from organization {1}."
static int	PARAMETER_CAST_EXCEPTION "Value for parameter {0} cannot be cast to required type {1}."
static int	PARAMETER_CLASS_U_NOT_FOUND "Unable to load class (unwrapped if primitive) for parameter {0} of type {1}; {2}."
static int	PARAMETER_CLASS_W_NOT_FOUND "Unable to load class (wrapped if primitive) for parameter {0} of type {1}; {2}."
static int	PROGRAM_CALL_FAILED "Error calling program: {0} with arguments {1}."

static int	REALM_NOT_INSTALLED "No security realm has been installed."
static int	REALM_NOT_LISTABLE "The installed security realm {0} is not listable."
static int	REALM_NOT_UPDATEABLE "The security realm {0} is not updateable."
static int	REFERENCE_MISSING "Fixup error: missing reference {0}."
static int	REPORT_NAMES_UNIQUE "Report names must be unique."
static int	REQUEST_ABORTED_ERROR "The server was unable to complete your request."
static int	REQUEST_ABORTED_WARNING "The server was unable to complete your request."
static int	REROUTE_ALREADY_REROUTED "Source user is already rerouted during the period specified."
static int	REROUTE_CIRCULAR "Specified reroute would create a circular reference."
static int	REROUTE_DIFFERENT_USER "Source and destination of reroute must be different."
static int	REROUTE_EFF_BEFORE_EXP "Effective date must be before expiry date."
static int	ROLE_CANNOT_DELETE_ACTION_REF "The role {0} cannot be deleted, because it is referenced by one or more actions."
static int	ROLE_EMPTY "The role {0} is empty."
static int	ROLE_NAMES_UNIQUE "Role names must be unique within an organization."
static int	ROLE_NOT_FOUND "The system could not find the specified role: {0}."
static int	ROLE_TASKS_ASSIGNED "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>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_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>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	USER_PERMISSION_DEFINE_WORKFLOWS "You do not have permission to define workflows."
static int	USER_PERMISSION_MAINTAIN_ORGS "You do not have permission to maintain organizations."
static int	USER_PERMISSION_MAINTAIN_ROLES "You do not have permission to maintain roles."
static int	USER_PERMISSION_MAINTAIN_USERS "You do not have permission to maintain users."
static int	USER_PERMISSION_MODIFY_CONFIG "You do not have permission to modify the server configuration."
static int	USER_PERMISSION_MONITOR_WORKFLOW "You do not have permission for workflow monitoring."
static int	USER_PERMISSION_REROUTE_TASK "You do not have permission to do task rerouting."
static int	USER_TASKS_ASSIGNED "Cannot delete user {0}, because there are tasks assigned to the user. Please reassign all tasks first."
static int	UTF_DATA_FORMAT_EXCEPTION "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	VARIABLE_CANNOT_DELETE_ACTION_REF "The variable {0} cannot be deleted, because it is referenced by one or more actions."
static int	VARIABLE_CANNOT_DELETE_DECISION_REF "The variable {0} cannot be deleted, because it is referenced by one or more decisions."
static 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."
static int	VARIABLE_INSTANCE_NOT_FOUND "The system could not find the specified variable instance: {0}."
static int	VARIABLE_NAME_BLANK "Variable names cannot be blank."

static int	VARIABLE_NAMES_UNIQUE "Variable names must be unique."
static int	WARNING_WORKFLOW "Workflow warning"
static int	WORKFLOW_CANNOT_DELETE_ACTION_REF "The workflow {0} cannot be deleted, because it is referenced by one or more actions."
static int	WORKFLOW_COMPLETE "This workflow cannot be modified, because it is complete."
static int	WORKFLOW_INACTIVE "Cannot instantiate a workflow, because the template definition is inactive."
static int	WORKFLOW_INSTANCE_NOT_FOUND "The system could not find the specified workflow instance: {0}."
static int	WORKFLOW_SUSPENDED "This workflow cannot be modified, because it is suspended."
static int	WORKFLOW_TEMPLATE_NAMES_UNIQUE "Workflow template names must be unique."
static int	WORKLOAD_NAMES_UNIQUE "Workload graph names must be unique."
static int	WRONG_START_DATE_EXPRESSION "Wrong timed start date expression in start node: {0}.\n{1}."
static int	XML_PARSE_FAILED "An error occurred when parsing an XML document."
static int	XML_SYNTAX_ERROR "XML Syntax error at line {0}, column {1}."
static int	XML_VERSION_MISMATCH "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 type conversion: from {0} to {1}."
```

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
    "An EJB deployed with JNDI name "{0}" was not found on the
    server."
```

BUS_OP_CLASS_NAME_NOT_FOUND

```
public static final int BUS_OP_CLASS_NAME_NOT_FOUND
    "The Java class "{0}" was not found on the server."
```

INVOCATION_OBJECT_NOT_FOUND

```
public static final int INVOCATION_OBJECT_NOT_FOUND
    "The invocation object for a business operation was not found."
```

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}".$"
```

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD DETAIL](#): [FIELD](#) | [CONSTR](#) | [METHOD](#)

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<!--

File: BusinessCalendar.dtd

Purpose: Document type definition for a business calendar definition.

This file is a part of the WebLogic Process Integrator project,
from the eCommerce Integration Division of BEA Systems Inc.
8920 Woodbine Avenue, Suite 400, Markham, Ontario, Canada L3R 9W9.
<http://www.beasys.com>

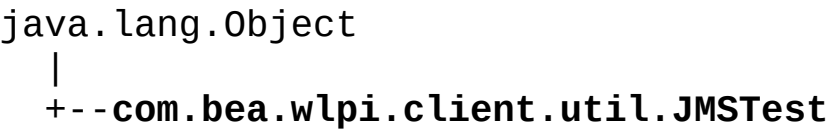
Copyright (c) 2000 BEA Systems Inc.
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-->

```
<!ELEMENT calendar (id, name, timezone, interval*)>
<!ELEMENT id (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT timezone (#PCDATA)>
<!ELEMENT interval (fromdate, todate, exclude*, include*)>
<!ELEMENT fromdate (#PCDATA)>
<!ELEMENT todate (#PCDATA)>
<!ELEMENT exclude (months*, days*, date*, timeinterval*, dateinterval*)>
<!ELEMENT include (months*, days*, date*, timeinterval*, dateinterval*)>
<!ELEMENT months (#PCDATA)>
<!ELEMENT days (#PCDATA)>
<!ELEMENT date (#PCDATA)>
<!ELEMENT timeinterval (#PCDATA)>
<!ELEMENT dateinterval (#PCDATA)>
```

com.bea.wlpi.client.util

Class JMSTest



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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.client.common

Class MappedTableModel

java.lang.Object

|
+-- javax.swing.table.AbstractTableModel|
+-- **com.bea.wlpi.client.common.MappedTableModel**

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

<code>java.lang.Class</code>	<code>getColumnClass</code> (<code>int col</code>)
<code>int</code>	<code>getColumnCount</code> ()
<code>java.lang.String</code>	<code>getColumnName</code> (<code>int col</code>)
<code>javax.swing.table.TableModel</code>	<code>getModel</code> ()
<code>int</code>	<code>getRowCount</code> ()
<code>java.lang.Object</code>	<code>getValueAt</code> (<code>int row</code> , <code>int col</code>)
<code>boolean</code>	<code>isCellEditable</code> (<code>int row</code> , <code>int col</code>)
<code>void</code>	<code>setModel</code> (<code>javax.swing.table.TableModel model</code>) Set the inner table model (i.e., the one actually providing the data).
<code>void</code>	<code>setValueAt</code> (<code>java.lang.Object value</code> , <code>int row</code> , <code>int col</code>)
<code>void</code>	<code>tableChanged</code> (<code>javax.swing.event.TableModelEvent e</code>)

Methods inherited from class `javax.swing.table.AbstractTableModel`

`addTableModelListener`, `findColumn`, `fireTableCellUpdated`,
`fireTableChanged`, `fireTableDataChanged`, `fireTableRowsDeleted`,
`fireTableRowsInserted`, `fireTableRowsUpdated`,
`fireTableStructureChanged`, `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

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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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
```

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

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

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, addMenuListener, addSeparator, createActionChangeListener, createWinListener, doClick, fireMenuCanceled, fireMenuDeselected, fireMenuSelected, getAccessibleContext, getComponent, getDelay, getItem, getItemCount, getMenuComponent, getMenuComponentCount, getMenuComponents, getPopupMenu, 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, 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, getActionCommand, getDisabledIcon, getDisabledSelectedIcon, getHorizontalAlignment, getHorizontalTextPosition, getIcon, getLabel, getMargin, getMnemonic, getModel, getPressedIcon, getRolloverIcon, getRolloverSelectedIcon, getSelectedIcon, getSelectedObjects, getText, getUI, getVerticalAlignment, getVerticalTextPosition, isBorderPainted, isContentAreaFilled, isFocusPainted, isRolloverEnabled, paintBorder, removeActionListener, removeChangeListener, removeItemListener, 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, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, fireVetoableChange,
getActionForKeyStroke, getAlignmentX, getAlignmentY, getAutoscrolls,
getBorder, getBounds, getClientProperty, getComponentGraphics,
getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics,
getHeight, getInsets, getInsets, getLocation, getMaximumSize,
getMinimumSize, getNextFocusableComponent, getPreferredSize,
getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation,
getToolTipText, getToolTipText, getTopLevelAncestor, getVisibleRect,
getWidth, getX, getY, grabFocus, hasFocus, isDoubleBuffered,
isFocusCycleRoot, isFocusTraversable, isLightweightComponent,
isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingTile,
isRequestFocusEnabled, isValidRoot, paint, paintChildren,
paintComponent, paintImmediately, paintImmediately, print, printAll,
processComponentKeyEvent, processFocusEvent, processMouseEvent,
putClientProperty, registerKeyboardAction, registerKeyboardAction,
removeAncestorListener, removeNotify, removePropertyChangeListener,
removePropertyChangeListener, removeVetoableChangeListener, repaint,
repaint, requestDefaultFocus, requestFocus, resetKeyboardActions,
reshape, revalidate, scrollRectToVisible, setAlignmentX,
setAlignmentY, setAutoscrolls, setBackground, setBorder,
setDebugGraphicsOptions, setDoubleBuffered, setFont, setForeground,
setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque,
setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI,
setVisible, unregisterKeyboardAction, update

```

Methods inherited from class java.awt.Container

```

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,
removeContainerListener, setCursor, setLayout, validate, validateTree

```

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hide, 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, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, 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

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

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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com.bea.wlpi.client.common

Class Logon

```

java.lang.Object
|
+-- java.awt.Component
    |
    +-- java.awt.Container
        |
        +-- java.awt.Window
            |
            +-- java.awt.Dialog
                |
                +-- javax.swing.JDialog
                    |
                    +-- com.bea.wlpi.client.common.Logon
  
```

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

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

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	actionPerformed (java.awt.event.ActionEvent e) Internal use only.
java.lang.String	getPassword () Return the password.
java.lang.String	getUrl () Return the WebLogic Process Integrator server URL.
java.lang.String	getUserId () Return the user ID.
boolean	okay () 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, getInputContext, 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, 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, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener,

```
removeMouseListener, 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`

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.client.common

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.client.common

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\(java.lang.String\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

*WebLogic Process Integrator Version
1.2*

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | CONSTR | [METHOD](#) DETAIL: FIELD | CONSTR | [METHOD](#)

com.bea.wlpi.client.common

Class ExceptionHandler

java.lang.Object

|

+ - - com.bea.wlpi.client.common.ExceptionHandler

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) Report the specified exception.
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)

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

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL](#): [FIELD](#) | [CONSTR](#) | [METHOD](#)

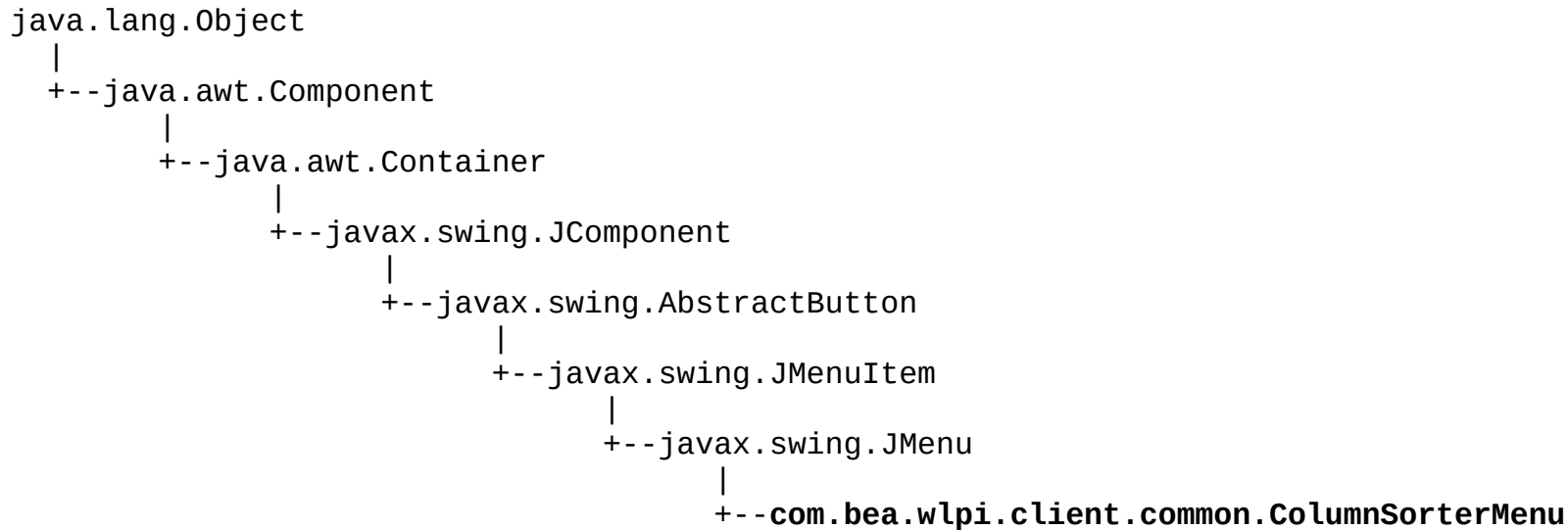
WebLogic Process Integrator Version

1.2

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com.bea.wlpi.client.common

Class ColumnSorterMenu

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.AbstractButtonjavax.swing.AbstractButton.AccessibleAbstractButton,
javax.swing.AbstractButton.ButtonChangeListener**Inner classes inherited from class javax.swing.JComponent**

javax.swing.JComponent.AccessibleJComponent**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

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	<code>columnMoved</code> (<code>javax.swing.event.TableColumnModelEvent e</code>)
void	<code>columnRemoved</code> (<code>javax.swing.event.TableColumnModelEvent e</code>)
void	<code>columnSelectionChanged</code> (<code>javax.swing.event.ListSelectionEvent e</code>)
void	<code>setTable</code> (<code>javax.swing.JTable table</code>) Associate this menu item with a table.
void	<code>tableChanged</code> (<code>javax.swing.event.TableModelEvent e</code>)

Methods inherited from class `javax.swing.JMenu`

[`add`](#), [`add`](#), [`add`](#), [`add`](#), [`addMenuListener`](#), [`addSeparator`](#),
[`createActionChangeListener`](#), [`createWinListener`](#), [`doClick`](#),
[`fireMenuCanceled`](#), [`fireMenuDeselected`](#), [`fireMenuSelected`](#),
[`getAccessibleContext`](#), [`getComponent`](#), [`getDelay`](#), [`getItem`](#), [`getItemCount`](#),
[`getMenuComponent`](#), [`getMenuComponentCount`](#), [`getMenuComponents`](#),
[`getPopupMenu`](#), [`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`](#),
[`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,
getActionCommand, getDisabledIcon, getDisabledSelectedIcon,
getHorizontalAlignment, getHorizontalTextPosition, getIcon, getLabel,
getMargin, getMnemonic, getModel, getPressedIcon, getRolloverIcon,
getRolloverSelectedIcon, getSelectedIcon, getSelectedObjects,
getText, getUI, getVerticalAlignment, getVerticalTextPosition,
isBorderPainted, isContentAreaFilled, isFocusPainted,
isRolloverEnabled, paintBorder, removeActionListener,
removeChangeListener, removeItemListener, 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, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, fireVetoableChange,
getActionForKeyStroke, getAlignmentX, getAlignmentY, getAutoscrolls,
getBorder, getBounds, getClientProperty, getComponentGraphics,
getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics,
getHeight, getInsets, getInsets, getLocation, getMaximumSize,
getMinimumSize, getNextFocusableComponent, getPreferredSize,
getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation,
getToolTipText, getToolTipText, getTopLevelAncestor, getVisibleRect,
getWidth, getX, getY, grabFocus, hasFocus, isDoubleBuffered,
isFocusCycleRoot, isFocusTraversable, isLightweightComponent,
isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingTile,
isRequestFocusEnabled, isValidateRoot, paint, paintChildren,
paintComponent, paintImmediately, paintImmediately, print, printAll,
processComponentKeyEvent, processFocusEvent, processMouseEvent,
putClientProperty, registerKeyboardAction, registerKeyboardAction,
removeAncestorListener, removeNotify, removePropertyChangeListener,
removePropertyChangeListener, removeVetoableChangeListener, repaint,
repaint, requestDefaultFocus, requestFocus, resetKeyboardActions,
reshape, revalidate, scrollRectToVisible, setAlignmentX,
setAlignmentY, setAutoscrolls, setBackground, setBorder,
setDebugGraphicsOptions, setDoubleBuffered, setFont, setForeground,
setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque,
setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI,
setVisible, unregisterKeyboardAction, update

```

Methods inherited from class java.awt.Container

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, removeContainerListener, setCursor, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hide, 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, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, 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

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](#).

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

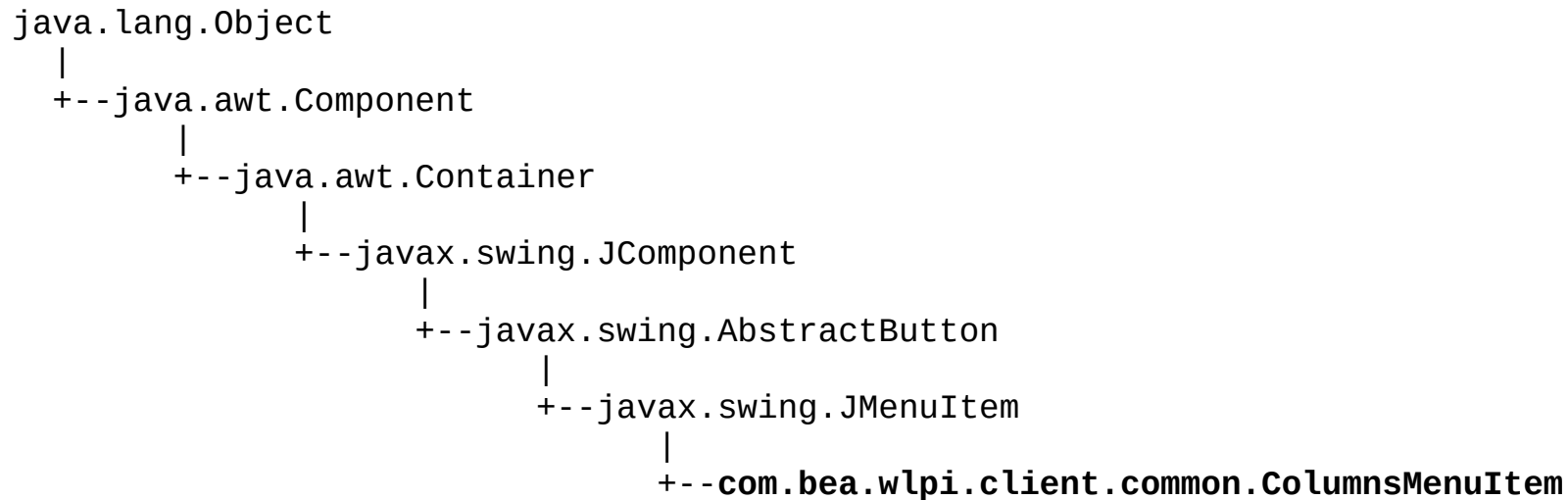
SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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com.bea.wlpi.client.common

Class ColumnsMenuItem

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**

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

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,
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,
getActionCommand, getDisabledIcon, getDisabledSelectedIcon,
getHorizontalAlignment, getHorizontalTextPosition, getIcon, getLabel,
getMargin, getMnemonic, getModel, getPressedIcon, getRolloverIcon,
getRolloverSelectedIcon, getSelectedIcon, getSelectedObjects,
getText, getUI, getVerticalAlignment, getVerticalTextPosition,
isBorderPainted, isContentAreaFilled, isFocusPainted,
isRolloverEnabled, isSelected, paintBorder, removeActionListener,
removeChangeListener, removeItemListener, 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, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, fireVetoableChange,
getActionForKeyStroke, getAlignmentX, getAlignmentY, getAutoscrolls,
getBorder, getBounds, getClientProperty, getComponentGraphics,
getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics,
getHeight, getInsets, getInsets, getLocation, getMaximumSize,
getMinimumSize, getNextFocusableComponent, getPreferredSize,
getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation,
getToolTipText, getToolTipText, getTopLevelAncestor, getVisibleRect,
```


getWidth, getX, getY, grabFocus, hasFocus, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isRequestFocusEnabled, isValidateRoot, paint, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, processComponentKeyEvent, processFocusEvent, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setFont, setForeground, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, 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, setCursor, setLayout, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hide, 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, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener,


```
removeInputMethodListener, removeKeyListener, removeMouseListener,
removeMouseMotionListener, repaint, repaint, repaint, resize, resize,
setBounds, setBounds, setComponentOrientation, 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

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)WebLogic Process Integrator Version
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.client.common

Class AttachmentsLayout

java.lang.Object

|

+ - com.bea.wlpi.client.common.AttachmentsLayout

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	invalidateLayout (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)
```

removeLayoutComponent

```
public void removeLayoutComponent(java.awt.Component comp)
```

layoutContainer

```
public void layoutContainer(java.awt.Container parent)
```

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)
```

preferredLayoutSize

```
public java.awt.Dimension preferredLayoutSize(java.awt.Container parent)
```

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

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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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	getAlignmentMask (boolean bAbsolute) Determines the alignment schemes used by this attachment object.
java.awt.Component	getRelativeToComponent (short direction) Get the component relative to which this attachment object specifies its alignment.
protected java.awt.Rectangle	position (java.awt.Component comp, int parentHeight, int parentWidth, java.awt.Insets parentInsets) Position the specified component using the previously specified attachments.
void	setBottomAttachment (int attachmentOffset) Attach the bottom of a component to the bottom of its container.
void	setBottomAttachment (int attachmentOffset, java.awt.Component relativeTo) Attach the bottom of one component to the top of another.
void	setBottomAttachmentSameSide (int attachmentOffset, java.awt.Component relativeTo) Attach the bottom of one component to the bottom of another.
void	setHeight (int height) Set the height of the component that uses this attachment.
void	setHorizontalCentering () Center a component horizontally within its container.
void	setHorizontalCentering (java.awt.Component relativeTo) Horizontally center one component on another component.
void	setHorizontalCentering (int attachmentOffset) Horizontally offset a component from its container's horizontal center.
void	setHorizontalCentering (int attachmentOffset, java.awt.Component relativeTo) Horizontally center one component relative to another component.
void	setLeftAttachment (int attachmentOffset) Attach the left of a component to the left of its container.
void	setLeftAttachment (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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version 1.2

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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com.bea.wlpi.client.common

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.client.common

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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | FIELD | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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**public final class **SortableTableModel**extends [MappedTableModel](#)

A sorter for `TableModel`s. 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](#), [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 <= i < 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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

**WebLogic Process Integrator Version
1.2**

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)
WebLogic Process Integrator Version
1.2
[PREV CLASS](#) [NEXT CLASS](#)
[FRAMES](#) [NO FRAMES](#)

 SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#)
 DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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**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

Field Summary

<code>static javax.swing.table.TableColumnModel</code>	allColumns A table column model containing the set of all displayable columns.
<code>static boolean</code>	debug Set to <code>true</code> 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`

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

<code>void</code>	exit () Called when the task list is no longer required, in order that the task list may perform cleanup operations.

<code>javax.swing.table.TableColumnModel</code>	<u>getColumnModel()</u> Return the underlying <code>TableColumnModel</code> object.
<u>TaskInfo</u>	<u>getCurrentObject()</u> Return the currently selected task.
<code>javax.swing.table.TableModel</code>	<u>getModel()</u> Return the underlying <code>TableModel</code> object.
<code>javax.swing.JTable</code>	<u>getTable()</u> Return the underlying <code>JTable</code> object.
<code>static void</code>	<u>init</u> (<code>java.lang.String jndiFactory</code> , <code>java.lang.String jmsFactory</code> , <code>java.lang.String topicName</code>) Initialize installation-specific settings.
<code>void</code>	<u>onMessage</u> (<code>javax.jms.Message msg</code>) Respond to a JMS task notification message.
<code>void</code>	<u>paint</u> (<code>java.awt.Graphics g</code>) Overridden to implement a workaround for a Swing bug - In JDK 1.2 <code>JTable</code> paints the unused area of a list in the wrong color.
<code>void</code>	<u>refresh()</u> Rebuild the contents of this task list.
<code>void</code>	<u>setFilters</u> (<code>boolean bPending</code> , <code>boolean bDone</code> , <code>boolean bInactive</code>) 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`, `isOpaque`, `isValidRoot`, `paramString`,
`setColumnHeader`, `setColumnHeaderView`, `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, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInsets, getInsets, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getPreferredSize, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, isDoubleBuffered, isFocusCycleRoot, isFocusTraversable, isLightweightComponent, isManagingFocus, isOptimizedDrawingEnabled, isPaintingTile, isRequestFocusEnabled, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, processComponentKeyEvent, processFocusEvent, processKeyEvent, processMouseEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removeNotify, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, scrollRectToVisible, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setFont, setForeground, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, 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, setCursor, validate, validateTree

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hide, 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, processInputMethodEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, 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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

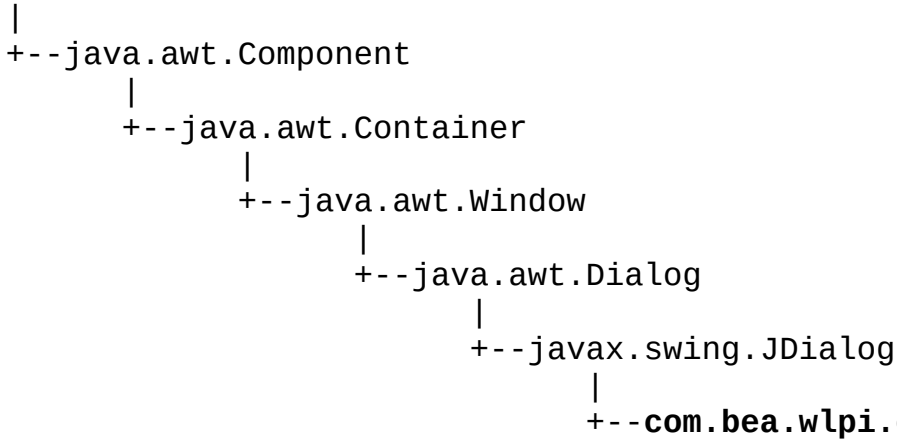
WebLogic Process Integrator Version
1.2

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com.bea.wlpi.client.common

Class TaskPropertiesDialog

java.lang.Object

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

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

Constructor Summary

[TaskPropertiesDialog](#)(java.awt.Frame owner, [WLPI](#) wlpi, [TaskInfo](#) task)

Create a new TaskPropertiesDialog for the specified task.

Method Summary

void	<u>actionPerformed</u> (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, getInputContext, 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, 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, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, 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

Overview	Package	Class	Tree	Deprecated	Index	Help

WebLogic Process Integrator Version
1.2

PREV CLASS	NEXT CLASS

FRAMES	NO FRAMES

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version

1.2

[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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

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****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

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, getInputContext, 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,
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, processInputMethodEvent,
processMouseEvent, processMouseMotionEvent, remove,
removeComponentListener, removeFocusListener,
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

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

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

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[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version
1.2*[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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.

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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com.bea.wlpi.client.common

Class WATableColumnModel

java.lang.Object

|

+-- javax.swing.table.DefaultTableColumnModel

|

+-- **com.bea.wlpi.client.common.WATableColumnModel**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 WATableColumnModel 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, 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

WATableColumnModel

```
public 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. 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\(TableColumnModel, Properties, String\)](#)

[Overview](#) [Package](#) [Class](#) [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

WebLogic Process Integrator Version
1.2

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[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)*WebLogic Process Integrator Version*
1.2[PREV CLASS](#) [NEXT CLASS](#)[FRAMES](#) [NO FRAMES](#)SUMMARY: INNER | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

com.bea.wlpi.client.common

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 [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.
WLPIPrincipal	getPrincipal() Return a reference to a WLPIPrincipal 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**

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. WebLogic Server's default 'WebLogic Properties' realm is manageable, but is not currently (version. 5.1) 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.

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\(\)](#)

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\(\)](#)

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.

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#)

SUMMARY: INNER | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

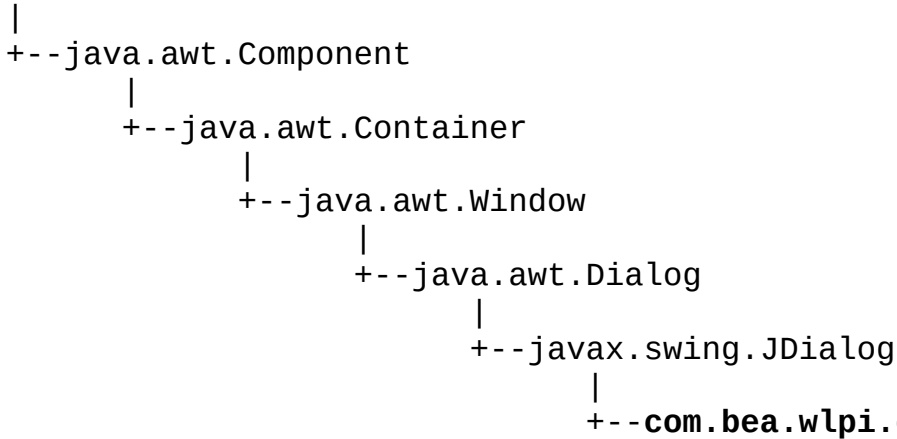
WebLogic Process Integrator Version
1.2

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Class WorkflowStatusDialog

java.lang.Object

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

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

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, getInputContext, 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, 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, processInputMethodEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, 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`

[Overview](#) [Package](#) **Class** [Tree](#) [Deprecated](#) [Index](#) [Help](#)

WebLogic Process Integrator Version
1.2

[PREV CLASS](#) [NEXT CLASS](#)

[FRAMES](#) [NO FRAMES](#)

SUMMARY: [INNER](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) DETAIL: [FIELD](#) | [CONSTR](#) | [METHOD](#)

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```
<!--
  File:      ClientCallAddInReq.dtd
  Purpose:   Document type definition for requesting a client to call a
             Java WorklistAddin class.

  This file is a part of the WebLogic Process Integrator project,
  from the eCommerce Integration Division of BEA Systems Inc.
  8920 Woodbine Avenue, Suite 400, Markham, Ontario, Canada L3R 9W9.
  http://www.beasys.com

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-->

<!ELEMENT call-addin (actionid, parm*)>
<!ATTLIST call-addin name CDATA #REQUIRED
                    mode (sync|async) "async">
<!ELEMENT actionid (#PCDATA)>
<!ELEMENT parm (#PCDATA)>
```

```
<!--
  File:      ClientCallAddInResp.dtd
  Purpose: Document type definition for client response to a 'call
            Java class' request.

  This file is a part of the WebLogic Process Integrator project,
  from the eCommerce Integration Division of BEA Systems Inc.
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-->

<!--
  Use the XPath function to extract the returned value, for example:
    XPath("/call-addin/child::text()")
  or (using the shortened syntax):
    XPath("/call-addin/text()")
  Obviously, if the return value contains XML nodes, the XPath expression
  must be constructed according to the structure of the call-addin element.
-->

<!ELEMENT call-addin ANY>
```

```
<!--
  File:      ClientReq.dtd
  Purpose: Document type definition for client requests.

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  from the eCommerce Integration Division of BEA Systems Inc.
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-->

<!--
  The Java Worklist distributed with WebLogic Process Integrator version 1.0
  currently supports the 'call-program', 'call-java', 'setvariables' and
  'messagebox' element types. While it is possible to send other elements
  using the ActionSendXMLToClient action, this requires a custom worklist
  handler.
-->
<!ENTITY callpgm      SYSTEM "ClientCallPgmReq.dtd">
<!ENTITY calladdin    SYSTEM "ClientCallAddInReq.dtd">
<!ENTITY msgbox       SYSTEM "ClientMsgBoxReq.dtd">
<!ENTITY setvars      SYSTEM "ClientSetVarsReq.dtd">

<!ELEMENT wlpresponse (instanceid, templatedefinitionid,
                      (call-program | call-addin | set-variables | message-box |
custom)*)>
<!ELEMENT instanceid (#PCDATA)>
<!ELEMENT templatedefinitionid (#PCDATA)>
&callpgm;
&calladdin;
&msgbox;
&setvars;
<!ELEMENT custom ANY>
```

<!--

File: ClientCallPgmReq.dtd

Purpose: Document type definition for requesting a client to launch an executable program.

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-->

<!ELEMENT call-program (actionid, parm*, env-var*)>

<!ATTLIST call-program name CDATA #REQUIRED
mode (sync|async) "async">

<!ELEMENT actionid (#PCDATA)>

<!ELEMENT parm (#PCDATA)>

<!ELEMENT env-var (#PCDATA)>

<!ATTLIST env-var name NMTOKEN #REQUIRED>

<!--

File: ClientMsgBoxReq.dtd

Purpose: Document type definition for requesting a client to display a message box.

This file is a part of the WebLogic Process Integrator project,
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-->

<!ELEMENT message-box (#PCDATA, actionid)>

<!ATTLIST message-box title CDATA #IMPLIED

style (plain|information|question|warning|error) "plain"

options (ok|ok_cancel|yes_no|yes_no_cancel) "ok">

<!ELEMENT actionid (#PCDATA)>

<!--

File: ClientSetVarsReq.dtd

Purpose: Document type definition for requesting a client to display a
'Set Variables' dialog.

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-->

```
<!ELEMENT set-variables (actionid, variable+)>
<!ATTLIST set-variables title CDATA #IMPLIED>
<!ELEMENT actionid (#PCDATA)>
<!ELEMENT variable (#PCDATA)>
<!ATTLIST variable name NMTOKEN #REQUIRED
                  prompt NMTOKEN #IMPLIED>
```



```
<!--
  File:      ClientPgmCallResp.dtd
  Purpose: Document type definition for client response to a 'launch
            executable program' request.

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-->

<!--
  Use the XPath function to extract the returned value, for example:
    XPath("/call-program/attribute::exit-value").
  or (using the shortened syntax):
    XPath("/call-program/@exit-value").
-->

<!ELEMENT call-program EMPTY>
<!ATTLIST call-program exit-value NUMBER #REQUIRED>
```

```
<!--
  File:      ClientMsgBoxResp.dtd
  Purpose: Document type definition for client response to a 'Message Box'
            request.

  This file is a part of the WebLogic Process Integrator project,
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-->

<!--
  Use the XPath function to extract the returned value, for example:
    XPath("/message-box/attribute::option")
  or (using the shortened syntax):
    XPath("/message-box/@option")
-->

<!ELEMENT message-box EMPTY>
<!ATTLIST message-box option (ok|yes|no|cancel) #REQUIRED>
```

```
<!--
  File:      ClientSetVarsResp.dtd
  Purpose: Document type definition for client response to a 'Set Variables'
            request.

  This file is a part of the WebLogic Process Integrator project,
  from the eCommerce Integration Division of BEA Systems Inc.
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-->

<!--
  Use the XPath function to extract the returned value, for example:

XPath("/set-variables/child::variable[attribute::name="<var-name>"]/child::text()")
  or (using the shortened syntax):
      XPath("/set-variables/variable[@name="<var-name>"]/text()")
-->

<!ELEMENT set-variables (variable+)>
<!ELEMENT variable (#PCDATA)>
<!-- ATTLIST variable name NMTOKEN #REQUIRED -->
```

<!--

File: Audit.dtd

Purpose: Document type definition for a workflow audit message.

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-->

```
<!ELEMENT wlpireponse (instanceid, templatedefinitionid, wlpirequest)>
<!ELEMENT wlpirequest (started, requestor, templateid, templatedefinitionid,
                        instanceid, actions, completed)>
<!ELEMENT actions ((error | setvariable | activatetask | dotask | marktaskdone |
                    unmarktaskdone | unassigntask | settaskcomment |
                    settaskpriority | settaskproperties | settaskduedate |
                    rerouted | assigntask | instantiated | auditentry |
                    evaluatecondition | workflowaborted | setworkflowcomment)*)>
<!ELEMENT completed (#PCDATA)>
<!ELEMENT instanceid (#PCDATA)>
<!ELEMENT requestor (#PCDATA)>
<!ELEMENT started (#PCDATA)>
<!ELEMENT templatedefinitionid (#PCDATA)>
<!ELEMENT templateid (#PCDATA)>
<!ELEMENT error (#PCDATA)>
<!ATTLIST error time CDATA #REQUIRED id NUMBER>
<!ELEMENT setvariable (#PCDATA)>
<!ATTLIST setvariable time CDATA #REQUIRED variable NMTOKEN #REQUIRED>
<!ELEMENT activatetask (#PCDATA)>
<!ATTLIST activatetask time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT dotask (#PCDATA)>
<!ATTLIST dotask time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT marktaskdone (#PCDATA)>
<!ATTLIST marktaskdone time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT unmarktaskdone (#PCDATA)>
<!ATTLIST unmarktaskdone time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT unassigntask (#PCDATA)>
<!ATTLIST unassigntask time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT settaskcomment (#PCDATA)>
<!ATTLIST settaskcomment time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT settaskpriority (#PCDATA)>
<!ATTLIST settaskpriority time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT settaskproperties (#PCDATA)>
<!ATTLIST settaskproperties time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT settaskduedate (#PCDATA)>
<!ATTLIST settaskduedate time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT rerouted (#PCDATA)>
<!ATTLIST rerouted time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT assigntask (#PCDATA)>
<!ATTLIST assigntask time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT instantiated (#PCDATA)>
<!ATTLIST instantiated time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT auditentry ANY>
<!ATTLIST auditentry time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT evaluatecondition (#PCDATA)>
<!ATTLIST evaluatecondition time CDATA #REQUIRED taskid NUMBER #REQUIRED>
<!ELEMENT workflowaborted (#PCDATA)>
<!ATTLIST workflowaborted time CDATA #REQUIRED taskid NUMBER #REQUIRED>
```

<!ELEMENT setworkflowcomment (#PCDATA)>

<!ATTLIST setworkflowcomment time CDATA #REQUIRED taskid NUMBER #REQUIRED>

```
<!--
File:      TemplateDefinition.dtd
Purpose: Document type definition for a workflow template definition.

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-->

<!ENTITY % node "id, x, y, notes">
<!ENTITY % std-action-types "(
  ActionAuditEntry, |
  ActionBusinessOperation, |
  ActionCallProgram, |
  ActionCancelEvent, |
  ActionCondition, |
  ActionExpression, |
  ActionNoOp, |
  ActionPostXMLEvent, |
  ActionSendEmail, |
  ActionSendXMLToClient, |
  ActionTaskAssignRole, |
  ActionTaskAssignRoutingTable, |
  ActionTaskAssignUser, |
  ActionTaskDoit, |
  ActionTaskDone, |
  ActionTaskDueDate, |
  ActionTaskSetComment, |
  ActionTaskSetPriority, |
  ActionTaskUnassign, |
  ActionTaskUndo, |
  ActionTimedEvent, |
  ActionWorkflowAbort, |
  ActionWorkflowDone |
  ActionWorkflowSetComment, |
  ActionWorkflowStart
)">

<!ENTITY % action-types "(&std-action-types; | ActionInvokeErrorHandler |
  ActionSetErrorHandler)">

<!ENTITY % commit-action-types "(&std-action-types; | ActionExitErrorHandler |
  ActionSetErrorHandler)">

<!ENTITY % rollback-action-types "("ActionAuditEntry | ActionBusinessOperation |
  ActionCallProgram | ActionCondition |
  ActionExitErrorHandler |
  ActionExpression | ActionNoOp | ActionPostXMLEvent |
  ActionSendEmail | ActionSendXMLToClient)">

<!-- The document element is 'Workflow': -->
<!ELEMENT Workflow (name, effective, changedby, changeddate, notes,
  idexpression, active, audit, nodes, variables,
  error-handlers?)>

<!ATTLIST Workflow
  major-version    CDATA          "1"
  minor-version    CDATA          "2"
```

```

    build-number      CDATA          "0"

```

```

>

```

```

<!-- Ambiguous definition of element 'actions'. -->
<!-- In context 'Task' it is <!ELEMENT actions (created, activated, executed,
markeddone)> -->
<!-- In context 'Decision', 'ActionCondition' it is <!ELEMENT actions (false, true)> -->
<!-- In context 'Done', 'Event', 'Start', 'ActionTaskDueDate', 'ActionTimedEvent',
'ActionWorkflowStart'
    it is <!ELEMENT actions (%action-types;*)> -->
<!ELEMENT actions ((created, activated, executed, markeddone)
    | (false, true)
    | (%action-types;*))>
<!ELEMENT ActionAuditEntry (notes, audittext)>
<!ELEMENT ActionBusinessOperation (notes, descriptorid, description, result, result-type,
instance-variable, instance-variable-type, parms)>
<!ELEMENT ActionCallProgram (notes, program, arguments)>
<!ELEMENT ActionCancelEvent (notes, target)>
<!ELEMENT ActionCondition (notes, condition, actions)>

<!ELEMENT ActionExitErrorHandler (notes)>
<!ATTLIST ActionExitErrorHandler exit-type (rollback|stop|retry|continue) "rollback">

<!ELEMENT ActionExpression (notes, variable, expression)>

<!ELEMENT ActionInvokeErrorHandler(notes, xml)>
<!ATTLIST ActionInvokeErrorHandler error-handler-name CDATA #REQUIRED>

<!ELEMENT ActionNoOp (notes, description)>
<!ELEMENT ActionPostXMLEvent (notes, topic, xml)>
<!ELEMENT ActionSendEmail (notes, subject, message, to, cc, bcc)>
<!ELEMENT ActionSendXMLToClient (id, notes, xml, variables)>

<!ELEMENT ActionSetErrorHandler(notes)>
<!ATTLIST ActionSetErrorHandler error-handler-name CDATA #REQUIRED>

<!ELEMENT ActionTaskAssignRole (notes, target, role, expression)>
<!ELEMENT ActionTaskAssignRoutingTable (notes, target, routeconditions)>
<!ELEMENT ActionTaskAssignUser (notes, target, user, expression, role)>
<!ELEMENT ActionTaskDoit (notes, target)>
<!ELEMENT ActionTaskDone (notes, target)>
<!ELEMENT ActionTaskDueDate (id, notes, target, expression, calendartype,
    calendarname, actions)>
<!ELEMENT ActionTaskSetComment (notes, target, comment)>
<!ELEMENT ActionTaskSetPriority (notes, target, priority)>
<!ELEMENT ActionTaskUnassign (notes, target)>
<!ELEMENT ActionTaskUndo (notes, target)>
<!ELEMENT ActionTimedEvent (id, notes, expression, calendartype, executionunits,
    scheduleunits, executiontime, scheduletime,
    stopwhentaskdone, usetimeexpression, actions)>
<!ELEMENT ActionWorkflowAbort (notes)>
<!ELEMENT ActionWorkflowDone(notes)>
<!ELEMENT ActionWorkflowSetComment (notes, comment)>
<!ELEMENT ActionWorkflowStart (id, notes, templateid, template-name, refvariable,
    orgexpression, parameters, results, actions)>
<!ELEMENT activated (%action-types;*)>
<!ELEMENT addressee (name, expression, type)>
<!ELEMENT bcc (addressee*)>
<!ELEMENT cc (addressee*)>
<!ELEMENT commit-actions (&commit-action-types;*)>
<!ELEMENT created (%action-types;*)>

```

```
<!ELEMENT Decision (&node;, condition, truenexts, falsenexts, actions)>
<!ELEMENT Done (&node;, actions)>
<!ELEMENT Event (&node;, root, description, key, condition, actions)>
<!ELEMENT error-handlers (error-handler*)>
<!ELEMENT error-handler (note, variables, commit-actions, rollback-actions)>

<!-- No more than one error-handler can have initial set to true -->
<!ATTLIST error-handler
    name      CDATA      #REQUIRED
    initial (true|false) "false"
>

<!ELEMENT executed (%action-types;*)>
<!ELEMENT false (%action-types;*)>
<!ELEMENT falsenexts (next*)>
<!ELEMENT Join (&node;, and)>
<!ELEMENT markeddone (%action-types;*)>
<!ELEMENT nexts (next*)>
<!ELEMENT nodes (Decision | Done | Event | Join | Start | Task)*>
<!ELEMENT parameters (parm*)>
<!-- Ambiguous definition of element 'parm' -->
<!-- In context 'ActionBusinessOperation' it is <!ELEMENT parm (#PCDATA)> -->
<!-- In context 'ActionWorkflowStart' it is <!ELEMENT parm (name, value)> -->
<!ELEMENT parm (#PCDATA | (name, value))>
<!ELEMENT parms (parm*)>
<!-- Ambiguous definition of element 'result'. -->
<!-- In context 'ActionBusinessOperation' it is <!ELEMENT result (#PCDATA)> -->
<!-- In context 'ActionWorkflowStart' it is <!ELEMENT result (name, value)> -->
<!ELEMENT result (#PCDATA | (name, value))>
<!ELEMENT results (result*)>
<!ELEMENT rollback-actions (&rollback-action-types;*)>
<!ELEMENT routecondition (to, type, condition)>
<!ELEMENT routeconditions (routecondition*)>
<!ELEMENT Start (&node;, description, (manual
                                | called
                                | (event, root, key, condition, startorg)
                                | (timed, dateexpression, reschedamount,
reschedunits, startorg)),
                nexts, actions, variables)>
<!ELEMENT Task (&node;, name, priority, donewithoutdoit, doitifdone,
                unmarkdone, modifiable, reassignment, nexts, actions)>
<!ELEMENT to (addressee*)>
<!ELEMENT true (%action-types;*)>
<!ELEMENT truenexts (next*)>
<!-- Ambiguous definition of element 'variable' -->
<!-- In context 'Workflow' it is
    <!ELEMENT variable (name, notes, type, xmltype, inmandatory, in, out)> -->
<!-- In context 'Start', 'ActionSendXMLToClient' it is
    <!ELEMENT variable (name, expression)> -->
<!-- In context 'ActionExpression' it is
    <!ELEMENT variable (#PCDATA)> -->
<!ELEMENT variable ((name, notes, type, xmltype, inmandatory, in, out)
                    | (name, expression)
                    | (#PCDATA))>
<!ELEMENT variables (variable*)>
<!ELEMENT xml ANY>

<!ELEMENT active (#PCDATA)>
<!ELEMENT and (#PCDATA)>
<!ELEMENT arguments (#PCDATA)>
<!ELEMENT audit (#PCDATA)>
```



```
<!ELEMENT audittext (#PCDATA)>
<!ELEMENT calendarname (#PCDATA)>
<!ELEMENT calendartype (#PCDATA)>
<!ELEMENT called (#PCDATA)>
<!ELEMENT changedby (#PCDATA)>
<!ELEMENT changeddate (#PCDATA)>
<!ELEMENT comment (#PCDATA)>
<!ELEMENT condition (#PCDATA)>
<!ELEMENT dateexpression (#PCDATA)>
<!ELEMENT description (#PCDATA)>
<!ELEMENT descriptorid (#PCDATA)>
<!ELEMENT doitifdone (#PCDATA)>
<!ELEMENT donewithoutdoit (#PCDATA)>
<!ELEMENT effective (#PCDATA)>
<!ELEMENT event (#PCDATA)>
<!ELEMENT executionunits (#PCDATA)>
<!ELEMENT executiontime (#PCDATA)>
<!ELEMENT expression (#PCDATA)>
<!ELEMENT id (#PCDATA)>
<!ELEMENT idexpression (#PCDATA)>
<!ELEMENT in (#PCDATA)>
<!ELEMENT inmandatory (#PCDATA)>
<!ELEMENT instance-variable (#PCDATA)>
<!ELEMENT instance-variable-type (#PCDATA)>
<!ELEMENT key (#PCDATA)>
<!ELEMENT manual (#PCDATA)>
<!ELEMENT message (#PCDATA)>
<!ELEMENT modifiable (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT next (#PCDATA)>
<!ELEMENT notes (#PCDATA)>
<!ELEMENT orgexpression (#PCDATA)>
<!ELEMENT out (#PCDATA)>
<!ELEMENT priority (#PCDATA)>
<!ELEMENT program (#PCDATA)>
<!ELEMENT reassignment (#PCDATA)>
<!ELEMENT refvariable (#PCDATA)>
<!ELEMENT reschedamount (#PCDATA)>
<!ELEMENT reschedunits (#PCDATA)>
<!ELEMENT result-type (#PCDATA)>
<!ELEMENT role (#PCDATA)>
<!ELEMENT root (#PCDATA)>
<!ELEMENT scheduletime (#PCDATA)>
<!ELEMENT scheduleunits (#PCDATA)>
<!ELEMENT startorg (#PCDATA)>
<!ELEMENT stopwhentaskdone (#PCDATA)>
<!ELEMENT subject (#PCDATA)>
<!ELEMENT target (#PCDATA)>
<!ELEMENT templateid (#PCDATA)>
<!ELEMENT timed (#PCDATA)>
<!ELEMENT topic (#PCDATA)>
<!ELEMENT type (#PCDATA)>
<!ELEMENT unmarkdone (#PCDATA)>
<!ELEMENT user (#PCDATA)>
<!ELEMENT usetimeexpression (#PCDATA)>
<!ELEMENT value (#PCDATA)>
<!ELEMENT x (#PCDATA)>
<!ELEMENT xmltype (#PCDATA)>
<!ELEMENT y (#PCDATA)>
```

<!--

File: WorkloadReq.dtd

Purpose: Document type definition for a workload query specification.

This file is a part of the WebLogic Process Integrator project,
from the eCommerce Integration Division of BEA Systems Inc.
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-->

```
<!ELEMENT workloadrequest (org, template
                           | (template, templatedefinition)
                           | (template, templatedefinition, task),
                           pending, inactive, done, overdue, total, include, group)>
<!ELEMENT include (#PCDATA, user* | role*)>
<!ELEMENT org (#PCDATA)>
<!ELEMENT template (#PCDATA)>
<!ELEMENT templatedefinition (#PCDATA)>
<!ELEMENT task (#PCDATA)>
<!ELEMENT pending (#PCDATA)>
<!ELEMENT inactive (#PCDATA)>
<!ELEMENT done (#PCDATA)>
<!ELEMENT overdue (#PCDATA)>
<!ELEMENT total (#PCDATA)>
<!ELEMENT user (#PCDATA)>
<!ELEMENT role (#PCDATA)>
<!ELEMENT group (#PCDATA)>
```

<!--

File: WorkloadResp.dtd

Purpose: Document type definition for results of a workload query.

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-->

<!ELEMENT workload (item*)>

<!ELEMENT item (name, pending, inactive, done, overdue, total)>

<!ELEMENT name (#PCDATA)>

<!ELEMENT pending (#PCDATA)>

<!ELEMENT inactive (#PCDATA)>

<!ELEMENT done (#PCDATA)>

<!ELEMENT overdue (#PCDATA)>

<!ELEMENT total (#PCDATA)>

<!--

File: StatisticsReq.dtd

Purpose: Document type definition for a statistics query specification.

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-->

```
<!ELEMENT statisticsrequest (org, templatedefinition, tasks, (from, to)?, include,
group)>
<!ELEMENT tasks (task*)>
<!ELEMENT task (name, id)>
<!ELEMENT include (#PCDATA, user* | role*)>
<!ELEMENT org (#PCDATA)>
<!ELEMENT templatedefinition (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT id (#PCDATA)>
<!ELEMENT from (#PCDATA)>
<!ELEMENT to (#PCDATA)>
<!ELEMENT user (#PCDATA)>
<!ELEMENT role (#PCDATA)>
<!ELEMENT group (#PCDATA)>
```

<!--

File: StatisticsResp.dtd

Purpose: Document type definition for results of a statistics query.

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-->

<!ELEMENT statistics (item*)>

<!-- This definition does not reflect the fact that in a given statistics
query all 'item' elements will have the same structure, depending on the
'group' setting in the StatisticsQuery specification. -->

<!ELEMENT item (task, user?, number, total, average, stddev, min, max)>

<!ELEMENT task (#PCDATA)>

<!ELEMENT user (#PCDATA)>

<!ELEMENT number (#PCDATA)>

<!ELEMENT total (#PCDATA)>

<!ELEMENT average (#PCDATA)>

<!ELEMENT stddev (#PCDATA)>

<!ELEMENT min (#PCDATA)>

<!ELEMENT max (#PCDATA)>

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Classes

[Attachments](#)

[AttachmentsLayout](#)

[ColumnsDialog](#)

[ColumnsMenuItem](#)

[ColumnSorterMenu](#)

[ExceptionHandler](#)

[ExtensionFileFilter](#)

[ImageFactory](#)

[Logon](#)

[LookAndFeelMenu](#)

[MappedTableModel](#)

[MessageDialog](#)

[Resources](#)

[SortableTableModel](#)

[Tasklist](#)

[TaskPropertiesDialog](#)

[TaskReassignDialog](#)

[Version](#)

[WATableColumnModel](#)

[WLPI](#)

[WorkflowStatusDialog](#)

[com.bea.wlpi.client.util](#)

Classes

[JMSTest](#)

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

Interfaces

[Messages](#)

Classes

[BusinessCalendarInfo](#)

[ClassDescriptor](#)

[ClassInvocationDescriptor](#)

[EJBDescriptor](#)

[EJBInvocationDescriptor](#)

[EventKeyInfo](#)

[FunctionInfo](#)

[InstanceInfo](#)

[LongStrings](#)

[MethodDescriptor](#)

[OrganizationInfo](#)

[RerouteInfo](#)

[RoleInfo](#)

[TaskInfo](#)

[TemplateDefinitionInfo](#)

[TemplateInfo](#)

[UserInfo](#)

[VariableInfo](#)

[VersionInfo](#)

Exceptions

[WorkflowException](#)



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, donees, 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.