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Oracle® E-Business Suite

Oracle Application Framework  
Component Reference Guide  
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# Part 1: Basic Components

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## attributeSet

### Description

Attribute sets are named, reusable collections of properties (prompt, maximum display length, data type and so on as appropriate for the attribute set type) that can be used by any type of OA component, including regions, items, and other attribute sets. They are designed to facilitate the reuse of these components throughout Oracle E-Business Suite, which can yield a significant cost saving to both Oracle and its customers.

In general terms, attribute sets are organized into OA component packages (individual XML package files), where you have one package file per database table in your application.

Refer to the Attribute Sets section in the Oracle Applications Framework Developer's Guide, included in the Help, for complete information on using attribute sets.

### Properties

The list of properties that an attribute set can assume is not limited to those in the list below; it includes the union of all properties available on all components.

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Document Name	The name of the component	jrad:refName	null	null	no	docName
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	. (public)	null	no	scope

## package

### Description

A package file contains attributeSets. AttributeSets are a collection of properties that can be re-used in OA components.

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
------	-------------	------	---------------	----------------	--------------	---------------

Comments	Comments	string	null	null	no	comment
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
File Version	The version of the file.	string	null	null	no	file-version
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version

## page

## Description

A top-level container that enables the user interface to your application.

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
File Version	The version of the file.	string	null	null	no	file-version
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version

## Part 2: Core Components

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### advancedSearch

#### Description

The advancedSearch region extends UIX's StackLayoutBean. This is a very complex layout used for rendering search pages that allow an end-user to specify a criteria for performing a search. Metadata for advancedSearch region implementation consists of three parts: Static Text, Criteria, and Button Bar. The XML schema for advancedSearch defines the same groupings. The staticText grouping contains a set of messageStyledText beans. The criteria grouping contains criteriaRow elements. The buttonBar grouping contains a set of submit beans. The metadata for criteriaRow shows only two elements: a messageStyledText element for displaying the label, and an input (messageTextInput, messageLovInput, messageChoice) element. OA Framework creates a messageChoice bean that is rendered between the label and the input element. So the messageStyledText bean, messageChoice bean, and input element form a criteria row.

Corresponding web bean: OAdvancedSearchBean

#### Properties

The advancedSearch region inherits all the attributes from stackLayout. No additional attributes specific to this region style are required. See the section on [stackLayout](#) for a list of attributes and child elements available for the stackLayout element.

#### Child Elements

In addition to inheriting the named children defined for the OA Extension, the extension will have the following groupings:

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Intermedia Style	Indicates if the advanced search will use intermedia style queries.	boolean	false	null	no	intermediaStyle

#### Element Children

Name	Quantity	Description
buttonBar	0 through to 1	This element contains a group of buttons that are rendered at the bottom of the search region. Developers can add as many buttons inside this container as needed.
criteria	1	This is a container for an unbounded number of rowLayout elements.
staticText	0 through to 1	Describes the text before the radioButtons.

# advancedTable

## Description

The advancedTable region style is used to display tabular data. It supports selection (both single and multiple), sorting, record navigation, totaling and detail-disclosure. It also provides declarative support for grouping of column headers. This includes support for column formats, column header, column header data, and column header formats.

Support for both column bean and column group beans is provided. These are container beans that can hold other regions and items. Support for formValue beans is also provided.

See formValue for a list of attributes and child elements available on the formValue element. advancedTable supports column beans and columnGroup beans only as indexed children; a mix of both is not supported.

Declarative specification is possible for the following advancedTable features/components/attributes:

- Number of rows to be displayed for the table.
- The header text for the individual table columns.
- Whether sorting is to be enabled on the table, and if the table is to be rendered with the initial sorts on at most three columns.
- Whether a column can be totaled.
- Single selector and multiple selector named children.
- Detail disclosure named child.
- Row headers.
- Wrap settings.
- ColumnBean and ColumnGroupBean as indexed children.
- Any bean as an indexed child of the selector.
- Around table insertion, whether the table should render Add Another Row; also, whether row insertion should be handled automatically by OA Framework, and if so, the number of rows to be inserted in one go.
- Table formats - tableBanding, bandingInterval.
- Column formats - columnDataFormat, cellNoWrapFormat, width, displayGrid, bandingShade.
- Column header formats - cellNoWrapFormat.
- Row formats - displayGrid.
- Row header formats - cellNoWrapFormat.
- Whether a value will be submitted with a form - formValue.

## Advanced Table Accessibility Support

To support accessibility for screen readers, you must specify a column in an advanced table as a row header. Every row in the table must refer to a column as the row header that uniquely identifies the row so the screen reader can read it. Screen reader users must also define their Accessibility mode by setting the profile Self Service Accessibility Features to Screen Reader Optimized.

The underlying UIX oracle.cabo.ui.beans.table.TableBean supports accessibility by defaulting a table's first column as the row header. However, you can set a different column as the row header, especially if a user is likely to personalize the table by turning off rendering of the first column or if the first column can return no data.

To declaratively set a column as a row header, in the OA Extension Property Inspector, specify a column ID (String) for the Row Header Column property (XML attribute: rowheadercol) of the advanced table region.

To programmatically set a column as a row header, use the following API on OAAAdvancedTableBean:

```
setRowHeaderColumn(<columnName>);
```

As of Release 12.2, you can also personalize the Row Header Col property of an Advanced Table to set a column as a Row Header for screen reader accessibility.

Corresponding web bean: OAAAdvancedTableBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Banding Interval	The number of rows or columns to group with the same shade.	unsignedInt	1	user	no	bandingInterval
Banding Type	The type of banding on the table.	ui:tableBandingRule	noBanding	user	no	tableBanding
Child View Attribute	The name of the child view attribute.	string	null	null	no	childView AttrName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
Detail View Attribute	The view attribute that determines if that particular row is to be stamped with the detail child.	string	null	null	no	detailViewAttr
Dirty Row Sort Enabled	Indicates if middle-tier sort should be performed on the table.	boolean	false	null	no	dirtyRowSort Enabled
Disable Client Side Validation	Indicates if validation should not occur on the	boolean	false	null	no	unvalidated

	web tier during a form submit.					
Display Vertical Gridlines	Control display of vertical gridlines.	boolean	true	admin	no	verticalGridlines Displayed
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Empty Table Text	The text to display inside an empty table.	string	null	null	no	alternativeText
Enable Column Hide Show	Enable columns to be hidden/shown by end users.	boolean	true	admin	no	columnHideShow Enabled
Enable Column Reorder	Enable columns to be reordered by end users.	boolean	true	admin	no	colReorderEnabled
Enable Column Resize	Enable columns to be resized by end users.	boolean	true	admin	no	colResizeEnabled
Enable Detach	Enable the table to be detached and maximized in the browser.	boolean	true	admin	no	detachEnabled
Enable Horizontal Scroll	Enable horizontal scroll bars.	boolean	true	admin	no	horizontalScroll Enabled
Enable Excel Export	Allows Excel export.	functional	empty	admin	no	enableExcelExport
Enable PDF Export	Allows PDF export.	functional	empty	admin	no	enablePDFExport
Enable Translation Editor	Whether or not to enable the translation editor in this component. The VO associated with the component must comply with the OA Framework MLS table standard.	boolean	null	no	no	translationEditor Enabled
Enable User Control on Table Columns	If set to True, each item's user customizable will be used to add the item to	boolean	null	no	no	enableUserControl OnColumns

	the settings menu.					
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetApp ShortName
ID	The unique name of this component.	Name	null	null	no	id
Minimum Listview Column Count	The minimum number of table columns to enable toggle for listview display.	unsignedInt	6	admin	no	minColumnCount ForListview
OA Extension Version	The Oracle Application Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault

Query By Example Case Sensitive Search	Indicates if Query By Example performs case sensitive search. Check with performance team before disabling.	boolean	true	null	no	qbeCaseSensitive Search
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistory Enabled
Records Displayed	The maximum number of rows to display.	unsignedInt	10	admin	no	blockSize
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Row Header Col	Indicates if Scope attribute is to be added to Table.	string	null	admin	no	rowheadercol
Row Header View Attribute	The view attribute for the row header.	string	null	null	no	rowHeader ViewAttr
Scope	The Base Packages that are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. Legal values are standard, selfSecured. If set to selfSecured it is the developer's responsibility to handle security validation.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	no	text
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	user Customizable

View Instance	The name of the view object instance.	string	null	null	no	viewName
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
Width	Indicates the width in pixels or as a percentage (if the % sign is included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
detail	0 through to 1	Node to stamp below every row which is disclosed.
footer	0 through to 1	Node used to render the table footer.
tableActions	0 through to 1	Component used for performing table actions that are independent of row selection.
tableSelection	0 through to 1	SingleSelectionBean or MultipleSelectionBean to render with the table.

## columnGroup

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Document Name	The name of the component	jrads:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that	jrads:componentRef	null	null	no	extends

	component at runtime.					
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	userCustomizable
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Column

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Alignment	columnDataFormat	ui:tableColumnDataFormat	textFormat	user	no	column DataFormat
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Banding Shade	The shade of banding used for the column. Legal values are none, dark, light.	string	none	user	no	banding Shade
Comments	Comments	string	null	null	no	comment
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Grid Displayed	Indicates if a gridline before the column should appear.	boolean	true	user	no	displayGrid
No Wrap	Indicates if cell contents should be	boolean	false	user	no	cellNoWrap Format

	wrapped. Valid only when used in table region.					
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	user Customizable
Width	column width.	string	null	user	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## sortableHeader

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Abbreviation	The value for this property acts as an abbreviation for the column header text, and is read whenever a value for the column is read out. Use this property to avoid long table headings being read repetitively by a screen reader.	string	null	null	no	abbreviation
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass

Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
No Wrap	Indicates if cell contents should be wrapped. Valid only when used in table region.	boolean	false	null	no	cellNoWrap Format
Prompt	The text label for the component.	string	null	admin	yes	prompt
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Required Indicator	Indicates if the required indicator is shown on the column header. Legal values are no, uiOnly, validatorOnly, yes.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Sort Allowed	Indicates if the user can sort this column. Valid only when used in table region. Legal values are yes, no, ascending, descending.	string	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting. Valid only when used in table region.	string	null	user	no	sortBy ViewAttr
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	user Customizable
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## tableFooter

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controller Class
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. Legal values are standard, selfSecured. If set to selfSecured it is the developer's responsibility to handle security validation.	string	standard	null	no	securityMode
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## addTableRow

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Rows Label	Overrides the default text of the Add Rows button.	string	null	admin	true	text
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Insert Rows Automatically	Indicates if rows will be added automatically when the Add Rows button is pressed, or if the developer must respond to the event.	boolean	true	null	no	autoInsertion
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Rows to Add	The number of rows to add when the button is pressed.	unsignedInt	null	admin	no	rows
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## totalRow

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable

Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Disable Total Recalculation	Indicates if the button used to update totals should not be rendered.	boolean	false	admin	no	readOnly
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Recalculate Totals Label	Overrides the default text of the Update Totals button.	string	null	admin	true	text
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## lovActionButton

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends

External LOV	The name of the external List of Values region.	jrad:componentRef	null	null	no	externalList OfValues
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## lovActionMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
LOV Region Item	The name of the item in the List Of Values region.	jrad:localRefString	null	null	no	lovItem
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Return Item	The name of the item in the base page that receives the result from the LOV Region Item.	jrad:localRef	null	null	no	resultTo

## bulletedList

### Description

This region outputs each visible indexed child (VIC) (i.e. a child whose RENDERED\_ATTR is not set to false) in a list, which can be split into columns by setting the Height attribute, the multiple of VICs at which to add another column.

For example, if Height = 6, 1-6 VICs would use 1 column; 7-12, 2 columns; and 13+, 3 columns. The maximum number of columns is 3. The default split is set to 10. Split is based on the number of visible indexed children, not their size. The bulletedList region extends the UIX <uix:bulletedList> and inherits all attributes and named children. The only child <uix:bulletedList> supports is the standard contents element for the indexed children.

Corresponding web bean: OABulletedListBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that	jrads:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
Height	The display height in characters.	string	null	null	no	height
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Security Mode	Defines the security mode used to secure the region. Legal values are standard, selfSecured. If set to selfSecured it is the developer's responsibility to handle security validation.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## cellFormat

### Description

Used to format cells in a Row Layout region. UIX UIElement element `<uix:cellFormat>` defines attributes such as `columnSpan`, `rowSpan`, `hAlign`, `vAlign`, `height`, `width`. `cellFormat` is a container of other layout elements that allows its contents to take additional formatting such as `width`, `colspan`, or vertical alignment.

`cellFormat` extends `<uix:cellFormat>`, inheriting all attributes and named children. `<uix:cellFormat>` only supports a named child of the standard contents element for indexed children.

Corresponding web bean: `OACellFormatBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed	boolean	true	null	no	addChildren

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	children will be automatically added to this UI node tree.					
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Column Span	The number of columns spanned by the cell.	string	(if not set): 1	null	no	columnSpan
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
File Version	The version of the file.	string	null	null	no	file-version
Height	The display height in pixels.	string	null	null	no	height
Horizontal Alignment	Horizontal alignment. Acceptable values are center, left, right, start, and end.	string	null	null	no	hAlign
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Row Span	The number of rows spanned by the cell.	string	(if not set): 1	null	no	rowSpan
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security	string	standard	null	no	securityMode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	validation. Legal values are standard, selfSecured.					
Vertical Alignment	Vertical alignmet. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## contentContainer

### Description

The contentContainer region is used to place ancillary information on a page, offset by a certain color. contentContainer extends <uix:contentContainer> and inherits all the attributes and the named children from it. Corresponding web bean: OACContentContainerBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Background Shade	The background shade of the content container. It should be one of light, medium, dark, or transparent.	ui:backgroundType	null	null	no	background
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
Icon URI	the URI for the icon file.	anyURI	null	admin	no	icon
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Text	The text label for the component.	string	null	admin	no	text
View Link Instance	The name of the View Link	string	null	null	no	viewLinkName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	Instance establishing master-detail relationship between outer and inner repeating containers.					
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## contentFooter

### Description

Used to create a horizontal separator with a curved corner, to distinguish page level action/navigation buttons from content. It is embedded inside the top level pageLayout component. contentFooter extends <uix:contentFooter> and inherits attributes and named children from it. **Note:** contentFooter is deprecated. Use page buttons instead.

Corresponding web bean: OACContentFooterBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## defaultDoubleColumn

### Description

The defaultDoubleColumn region lays out region items in two columns, first across then down. The labels are aligned to the end and the input fields are aligned to the start. This is similar but not identical to UIX's labeledFieldLayout. Since OADefaultDoubleColumnBean extends OAHeaderBean, the defaultDoubleColumn element extends the header element.

defaultDoubleColumn extends header and inherits all the attributes and named children. See header for a list of attributes and child elements available on the header element.

Corresponding web bean: OADefaultDoubleColumnBean

Note: defaultDoubleColumn is deprecated as a style. Use messageComponentLayout instead.

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global	string	null	null	no	helpTargetAppShortName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	menu of the page. This makes the help pages from the other applications referenceable.					
Hide Header	Indicates if the region header is rendered.	boolean	false	null	no	headerDisabled
Icon URI	the URI for the icon file.	anyURI	null	admin	no	icon
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistoryEnabled
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	yes	text
View Link Instance	The name of the View Link Instance establishing	string	null	null	no	viewLinkName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	master-detail relationship between outer and inner repeating containers.					

## defaultFormStack

### Description

This region extends [header](#) and inherits all attributes and named children from it. Since `OADefaultFormStackBean` extends `OAHeaderBean`, `defaultFormStack` element extends the header element. Note: `defaultFormStack` is deprecated. Use `messageComponentLayout` instead.

Corresponding web bean: `OADefaultFormStackBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Icon URI	the URI for the icon file.	anyURI	null	admin	no	icon
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistoryEnabled
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's	string	standard	null	no	securityMode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	responsibility to handle security validation. Legal values are standard, selfSecured.					
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	yes	text
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName

## defaultSingleColumn

### Description

Lays out region items in one column. Labels are aligned to the end and input fields are aligned to the start. Similar to UIX's `labeledFieldLayout`. `defaultSingleColumn` extends [header](#) and inherits all attributes and named children. Note: `defaultSingleColumn` is deprecated. Use `messageComponentLayout` instead.

Corresponding web bean: `OADefaultSingleColumnBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Hide Header	Indicates if the region header is rendered.	boolean	false	null	no	headerDisabled
Icon URI	The URI for the icon file.	string	null	admin	no	icon
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistoryEnabled
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	yes	text
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName

## defaultStack

### Description

The defaultStack region extends header and inherits all attributes and named children from it. Note: defaultStack is deprecated. Use messageComponentLayout instead.

Corresponding web bean: OADefaultStackLayoutBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Help Target	The target name for the page online help.	string	null	null	no	helpTarget

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Icon URI	The URI for the icon file.	string	null	admin	no	icon
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistoryEnabled
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	yes	text

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName

## flexibleContent

### Description

The flexibleContent region is used to identify content that can be placed in a flexibleLayout region. The content can also be specified by referring to it. It represents available content that may or may not be used, and thus acts as a resource to the page designer.

Corresponding web bean: OAFlexibleContentBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Operations	Indicates the personalization operations an administrator can perform on the component if Admin Personalization is set to True. Legal values are: null and remove. If set to remove, an Administrator can remove flexibleContent so that it does not render on the page, when personalizing the page. If set to null, no flexibleContent can be removed.	string	remove	null	no	adminOperations
Admin Personalization	Indicates if an administrator can personalize this component.	boolean	true	null	no	adminCustomizable

AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Description	A short description of the items contained in the element. This attribute is translatable and will be listed/used in Resource Catalog. A search based on description may be performed by the user.	string	null	admin	true	description
Disclosed	The initial disclosure state. When not-disclosed, only an outline of the component is shown along with an icon to restore to the disclosed state.	boolean	true	null	no	disclosed
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Flexible Layout Reference	A reference to the oa:flexibleLayout that the flexibleContent will be rendered in. No value indicates that the flexibleContent will not be rendered anywhere in the page even if rendered=true is set. The difference	string	null	null	no	flexibleLayoutRef

	between rendered=false and flexibleLayoutRef= is that flexibleContent(s) with flexibleLayoutRef= will only be listed in the catalog as content that can be added.					
ID	Inherited from <uix:base>. The page-wide unique client ID of this node.	Name	null	null	no	id
Rendered	Whether the flexibleContent is rendered.	boolean	true	admin	no	rendered
Show Border	Whether the border around the layout is shown.	boolean	false	null	no	showBorder
Show Header	Whether the header of this layout is shown.	boolean	true	null	no	showHeader
Title	The title to display above the flexible content.	string	null	null	no	title
User Operations	Indicates the personalization operations a user can perform on the component, if User Personalization is set to True. Legal values are: (Default) and disclose. If set to (Default), the collapse/disclose operation cannot be performed by the user on this flexibleContent. If set to disclose, the user can either disclose or collapse the flexibleContent region in the rendered page.	string	null	user	no	userOperations
User Personalization	Indicates if a user can personalize this component.	boolean	true	user	no	userCustomizable
View Source Region ID	Specifies ID of the region (within the flexibleContent) on which	string	null	null	no	viewSourceRegionId

	personalization views have been defined.					
View Target Region ID	Specifies ID of the region on which the personalization view should be applied.	string	null	null	no	viewTargetRegionId

## flexibleLayout

### Description

The flexibleLayout region is used to define a customizable layout, separate from content, where content will be placed. flexibleLayout regions can be nested to form a customizable layout and can be positioned anywhere in the page. A page can have a number of top-level flexibleLayouts: they do not have to be nested.

Corresponding web bean: OAFlexibleLayoutBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Operations	Indicates the personalization operations an administrator can perform on the component if Admin Personalization is set to True. Legal values are: null and add. If set to add, an Administrator can add predefined flexibleContent to the flexibleLayout region when personalizing the page. If set to null, no flexible content can be added to this flexible layout during personalization.	string	add	null	no	adminOperations
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	null	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use

Columns	The number of columns the flexibleLayout will have. Use <code>layoutStyle=horizontal</code> to horizontally layout the contents.	string	1	null	no	columns
Comments	Comments	string	null	null	no	comment
Disclosed	The initial disclosure state. When not-disclosed, only an outline of the component is shown along with an icon to restore to the disclosed state.	boolean	true	null	no	disclosed
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Height	The pixels or percentage 'hint' to the browser for the flexibleLayout.	string	null	null	no	height
ID	Inherited from <code>&lt;uix:base&gt;</code> . The page-wide unique client ID of this node.	Name	null	null	no	id
Layout Style	The Content layout style. Legal values are vertical, and horizontal. If vertical, contents will be laid out vertically. If horizontal contents will be laid out horizontally.	string	vertical	null	no	layoutStyle
Rendered	Whether the flexibleLayout is rendered.	boolean	true	admin	no	rendered
Rows	The number of rows the flexibleLayout will have. Use <code>layoutStyle=vertical</code> to vertically lay out the contents.	string	1	null	no	rows
Show Border	Whether the border around the layout is shown.	boolean	false	null	no	showBorder
Show Header	Whether the header of this layout is shown.	boolean	false	null	no	showHeader

Title	The title to display above the flexible layout.	string	null	null	no	title
User Operations	Indicates the personalization operations a user can perform on the component, if User Personalization is set to True. Legal values are: (Default) and disclose. If set to (Default), the collapse/disclose operation cannot be performed by the user on this flexible layout. If set to disclose, the user can either disclose or collapse the flexibleLayout region in the rendered page.	string	null	user	no	userOperations
User Personalization	Indicates if a user can personalize this component.	boolean	true	user	no	userCustomizable
Width	Provides a width hint to the browser.	string	null	admin	no	width

## flowLayout

### Description

The flowLayout region lays out its indexed children horizontally, wrapping as needed. Each pair of adjacent children will be separated by an optional separator child. When a flowLayout region is created under a footer named child of a messageComponent region, the flowLayout region can only include button and spacer items.

Corresponding web bean: OAFlowLayoutBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute. Valid only when used in table region.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance. Valid only when used in table region.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
No Wrap	Indicates if cell contents should be wrapped. Valid only when used in table region.	boolean	false	null	no	cellNoWrapFormat
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages	jrad:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	which are allowed to reuse this component.					
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Sort Allowed	Indicates if the user can sort this column. Valid only when used in table region. Legal values are yes, no, ascending, descending.	string	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting. Valid only when used in table region.	string	null	user	no	sortByViewAttr
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	userCustomizable
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# footer

## Description

The footer region is designed to contain the copyright, privacy information, and any other content that should be at the bottom of the page. footer extends <uix:footer> and inherits all the attributes and the named children defined for it. This element is embedded directly in a pageLayout element.

Corresponding web bean: OAFooterBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
File Version	The version of the file.	string	null	null	no	file-version
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
copyright	0 through to 1	Node to use as a copyright statement.
privacy	0 through to 1	Node to use as a privacy statement.

# Gantt

## Description

The Gantt region can be used to create a Gantt chart that retrieves data from BC4J objects. The Gantt style is used for rendering Gantt charts within a web application. `oa:gantt` extends `oa:hGrid` and inherits all the properties from it. Note that the `Width` property in `HGrid` cannot be set in `Gantt`. See `HGrid` for more information on `HGrid` properties.

Corresponding web bean: `OAGanttBean`

## Properties

(Note: Pers = Personalizable, Trans = Translatable)

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Actual End Date View Attribute	The view attribute for the actual end date of the task for the Variance bar Type.	string	null	null	no	actualFinishViewAttr
Actual Start Date View Attribute	The view attribute for the actual start date of the task for the Variance bar Type.	string	null	null	no	actualStartViewAttr
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jad:attributeSetRef	null	null	no	use
Auto Scale	Indicates if the Gantt chart will scale the axis units depending on the time-period specified.	boolean	true	user	no	autoScale
Axis End Date View Attribute	The view attribute for the end date of the Gantt chart horizontal axis.	string	null	null	no	endTimeViewAttr
Axis Major Scale	The major unit of time for the Gantt chart horizontal axis. Legal values are years, halfyears, quarters, months, weeks, and days.	string	months	user	no	majorScale
Axis Minor Scale	The minor unit of time for the Gantt chart horizontal axis. Legal values are years, halfyears, quarters, months, weeks, and days.	string	weeks	user	no	minorScale
Axis Start Date View Attribute	The view attribute for the start date of the Gantt chart horizontal axis.	string	null	null	no	startTimeViewAttr
Bar Type View Attribute	The view attribute indicating the bar type.	string	null	null	no	barTypeViewAttr
Baseline End Date View Attribute	The view attribute for the baseline end date of the task for the Variance Bar Type.	string	null	null	no	baseFinishViewAttr
Baseline Start Date View Attribute	The view attribute for the baseline start date of the task for the Variance bar Type.	string	null	null	no	baseStartViewAttr

Comments	Comments	string	null	null	no	comment
Completed Through View Attribute	The view attribute for the current 'completed through' date of the task.	string	null	null	no	completedThroughViewAttr
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Enable Interactive Gantt	Enables user interactions on Gantt tasks.	boolean	false	user	no	enableInteractiveGantt
Extends	A reference to another component that creates a different instance of that component at runtime.	jad:componentRef	null	null	no	extends
Firm View Attribute	The view attribute for the Firm flag value of a parent task.	string	null	user	no	firmViewAttribute
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Left Text View Attribute	The view attribute for the text label to the left of the task.	string	null	null	no	leftTextViewAttr
Percent Complete View Attribute	The view attribute for the completion percentage of the task.	string	null	null	no	percentCompleteViewAttr
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Predecessor Accessor	Accessor Name for the predecessor's rowset for the current task.	string	null	null	no	predecessorAccessor
Predecessor View Attribute	View Attribute Name for the predecessor task ID.	string	null	null	no	predecessorViewAttr
Record Set Size	The maximum number of records that can be displayed under each node.	string	null	null	no	childBlockSize
Render Description Columns	Indicates if the description columns should always be rendered.	boolean	true	user	no	descChildrenVis
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Right Text View Attribute	The view attribute for the text label to the right of the task.	string	null	null	no	rightTextViewAttr
Search Controller Class	The fully-qualified class name for the controller object associated with the search results table.	string	null	admin	no	searchControllerClass
Search View Usage	The view usage to be used for running queries on the hGrid.	string	null	null	no	searchViewName
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Show Bubble Text	Indicates if Bubble Text will be shown for the task.	boolean	true	user	no	showTooltip

Show Current Date	Indicates if a line is drawn to indicate the current date.	boolean	true	user	no	showCurrentDate
Show Dependency Lines	Indicates if dependency lines are visible.	boolean	false	user	no	showDependencyLines
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Task End Date View Attribute	The view attribute for the end date of the task.	string	null	null	no	barFinishViewAttr
Task ID View Attribute	View Attribute Name for the unique task ID.	string	null	null	no	taskIdViewAttr
Task Start Date View Attribute	The view attribute for the start date of the task.	string	null	null	no	barStartViewAttr
Use Classic Charts	Indicates whether classic BI Beans Gantt or enhanced Gantt will be rendered.	boolean	false	null	no	useClassicCharts
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Instance Name	The name of the view object instance.	string	null	null	no	viewName

## Element Children

Name	Quantity	Description
descriptionColumns	0 through to 1	Description columns.
tableActions	0 through to 1	Component used for performing table actions that are independent of row selection.
tableSelection	0 through to 1	SingleSelectionBean or MultipleSelectionBean to render with the table.
viewInHierarchy	0 through to 1	Column stamp for the 'View In Hierarchy' column in the search results table.

## graphTable

### Description

This region is used to layout graphs that are essentially BI Beans and a UIX table by extending tableLayout. graphTable inherits all the attributes and children from tableLayout. graphTable contains two grouping elements, graphs and tabularFormat. The graphs grouping contains one or more graph elements. The tabularFormat grouping contains a table.

Corresponding web bean: OAGraphTableBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren

Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Graph Render Style	Indicates which components of the graph are rendered. Legal values are both and graph.	string	graph	null	no	renderStyle
Graphs per Row	Number of graphs to be displayed on each row.	unsignedInt	null	null	no	graphsPerRow
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the	string	null	null	no	helpTargetApp ShortName

	other applications referenceable.					
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName

## Element Children

Name	Quantity	Description
graphs	1	Graphs based on the table.
tabularFormat	0 through to 1	Table for graphs are to be rendered.

# graph

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Aggregate Function	Aggregate function to apply to the data. Legal values are sum, avg, max, min, and none.	string	none	admin	no	aggregateFunction
Allow Combination Graph	Indicates if a combination graph is allowed.	boolean	false	user	no	combo
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The instance name of an application module.	string	jrads:attributeSetRef	null	no	use
Comments	Comments.	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Axis Label	The Data Axis label for the graph.	string	null	admin	true	aAxisLabel
Data Axis scale from zero	Determines whether the lower limit for Data Axis is zero or the lowest data value.	boolean	true	admin	no	yAxisScaleFromZero
Destination URI	The Destination URI.	string	null	null	no	drillDownUrl
Display Data Bubble Text	Indicates if Bubble Text is displayed for the Data Points.	boolean	true	null	no	displayBubbleText
Display Data Markers	Indicates if the data markers should be plotted.	boolean	false	admin	no	displayDataMarkers

Display Secondary Y-Axis	Indicates if this graph has a secondary Y-axis.	boolean	false	user	no	dualYAxis
Document Name	component.	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Graph Type	The type of the graph. Legal values are absolute area, absolute line, horizontal clustered bar, horizontal percent bar, horizontal stacked bar, percent area, percent line, pie, point, scatter, stacked area, stacked line, vertical clustered bar, vertical high-low-close stock, vertical percent bar, and vertical stacked bar.	string	vertical clustered bar	admin	no	graphType
Height	Graph height in pixels, applicable only if size=custom. User personalizable from Release 12.2.9.	string	null	null	no	height
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages that are allowed to reuse this component.	jrad:scope	.	null	no	scope
Secondary Data Axis Label	The label for the secondary data axis.	string	null	user	true	secYAxisLabel

Size	The size of the graph. Legal values are very-small, small, medium, large, and custom.	string	small	user	no	size
Title	The title of the graph.	string	null	admin	true	title
Use Classic Graphs	Indicates whether Classic BI Beans graph or enhanced graph will be rendered.	boolean	false	null	no	use ClassicGraphs
Width	Graph's width in pixels, applicable only if size=custom. User personalizable from Release 12.2.9.	string	null	null	no	width
X-Axis Label	The X-Axis label for the graph.	string	null	admin	true	xAxisLabel
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
dataMap	1	Lists a bunch of graphData elements.

## graphData

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Combination Graph Type	The type of graph for a combination graph. Legal values are bar, line, area, and none.	string	none	null	no	comboGraph Type
Comments	Comments.	string	null	null	no	comment
Prompt	Prompt to be used in legend label. Used only when style='data'.	string	null	admin	true	prompt

Purpose in Graph	Specifies the purpose of the graph data element. Legal values are data, groupLabels, and seriesLabels.	string	data	null	no	graphAs
Secondary Axis	Indicates if this graphData is plotted on the secondary axis.	boolean	false	user	no	assignedToY2
Stock Value Type	The Stock Type Value to use for the graph. Legal values are high, low, close, and none.	string	none	null	no	stockValue
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName

## header

### Description

This region places a label and optional icon at the top of a section. This control can be used to provide important messaging information. The types of messages are: Error, Information, Warning, and Confirmation. header extends <uix:header> and inherits all the attributes and named children defined for it. This element does not support the styleClass attribute.

Corresponding web bean: OAHeaderBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Icon URI	The URI for the icon file.	string	null	admin	no	icon

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistoryEnabled
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	yes	text
View Link Instance	The name of the View Link Instance	string	null	null	no	viewLinkName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	establishing master-detail relationship between outer and inner repeating containers.					
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## HGrid

### Description

This region can be used to display tree structured data, in a format similar to a table element. Unlike TreeBean, HGridBean is suitable for use with massive trees, since it supports focusing in and out of subtrees. HGrid is used to display objects in a hierarchical format, like the Tree region.

HGrid renders like a table: each row corresponds to a tree node. It has two special columns: focus and object hierarchy. The object hierarchy column identifies the current tree node and allows the user to expand (view the children of) or collapse (hide the children of) this node. The focus column is used to select a new root for the tree. This allows users to zoom into subtrees of a massive tree. The HGrid element renders breadcrumbs to allow the user to focus out (or zoom out) of the current subtree. HGrid also renders links to allow the user to quickly expand or collapse all the nodes under the current focus root.

Corresponding web bean: OAHGridBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use

Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Display Vertical Gridlines	Control display of vertical gridlines.	boolean	true	admin	no	verticalGridlinesDisplayed
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Enable Column Hide Show	Enable columns to be hidden/shown by end users.	boolean	true	admin	no	columnHideShowEnabled
Enable Column Reorder	Enable columns to be reordered by end users.	boolean	true	admin	no	colReorderEnabled
Enable Column Resize	Enable columns to be resized by end users.	boolean	true	admin	no	colResizeEnabled
Enable Excel Export	Allows Excel export.	functional	empty	admin	no	enableExcelExport
Enable Horizontal Scroll	Enable horizontal scroll bars.	boolean	true	admin	no	horizontalScrollEnabled
Enable PDF Export	Allows PDF export.	functional	empty	admin	no	enablePDFExport
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget

Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page.This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	Maps to the Item Name property of the nested region that points to the HGrid region.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Record Set Size	The maximum number of records that can be displayed under each node.	string	null	null	no	childBlockSize
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Controller Class	The fully-qualified class name for the controller object	string	null	admin	no	searchControllerClass

	associated with the search results table.					
Search View Usage	The view usage to be used for running queries on the hGrid.	string	null	null	no	searchViewName
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
tableActions	0 through to 1	Component used for performing table actions that are independent of row selection.
tableSelection	0 through to 1	SingleSelectionBean or MultipleSelectionBean to render with the table.
viewInHierarchy	0 through to 1	Column stamp for the 'View In Hierarchy' column in the search results table.

# hideShow

## Description

Toggles a group of `UINodes` between disclosed/undisclosed. Used to hide or show a section or a part of a section within the contents of a page, such as: show more information/hide more information, show details/hide details, show section name/hide section name; show graph/hide graph; show/hide functionality such as simple/advanced search; show/hide details of a table row.

`hideShow` extends `<uix:hideShow>` and inherits all attributes and children.

Corresponding web bean: `OADefaultHideShowBean`

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Additional Text	Additional help text. <b>Note:</b> If a <code>hideShow</code> region is created under <code>advancedTable</code> then the <code>Additional Text</code> property is not displayed.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	<code>jrads:attributeSetRef</code>	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disclosed Text	The text to display when the children are shown.	string	null	admin	no	disclosedText
Disclosed	The initial disclosure state.	boolean	false	user	no	disclosed
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Sort Allowed	Indicates if the user can sort this column.	boolean	no	admin	no	sortState

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	Legal values are yes, no, ascending, descending.					
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Undisclosed Text	The text to display when the children are hidden.	string	null	admin	no	undisclosedText
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## hideShowHeader

### Description

The hideShowHeader region provides a means of toggling the contents under a header between being disclosed (shown) or undisclosed (hidden).

hideShowHeader extends <uix:hideShowHeader> and inherits all the attributes and children.

Corresponding web bean: OAHideShowHeaderBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically	boolean	true	null	no	addChildren

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	added to this UI node tree.					
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disclosed	The initial disclosed state.	boolean	false	user	no	disclosed
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with JavaDoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Icon URI	The URI for the icon file.	string	null	admin	no	icon
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode	string	standard	null	no	securityMode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.					
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	yes	text
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## hideShowSubTabLayout

### Description

hideShowSubTabLayout is a hide/show region that lays out the subtab at the right edge of the page. On selecting a subtab the corresponding content region slides out. hideShowSubTabLayout can only be added to the page layout as a special child by selecting the page layout region and adding it from the context menu.

Note: hideShowSubTabLayout cannot be added to a page under any other layout region, and is not available in the region dropdown of the Property Inspector.

Corresponding web bean: OAHideShowSubTabLayoutBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered

## infotile

### Description

Contains a tile-based header and a detailed region for content. Implementation of multiple infotiles appear as an enumeration of tiles, where each provides a description of its detailed region. The tiles can display horizontally above or vertically to the right of the detailed region. When a user selects a tile, the detailed content for that tile displays in the content region.

Adding an infotile instantiates an `OAINfotileBean`. A tile is an object of `OATileBean`, and all tiles are indexed child of `OATileHeaderBean`. `OATileHeaderBean` is added as a named child under infotile when you right click on the infotile region in the Structure pane of JDeveloper and add tiles during design time. When a user selects a tile, the entire infotile region refreshes using a partial page refresh and displays the content corresponding to the selected tile. The `processRequest()` method for all the tiles and content areas is called during page loading. A subsequent tile selection triggers a PPR event during which the `processFormRequest()` method is called for all the tiles, and for the current content container and its contents. The remaining content containers are not processed during the PPR cycle.

Corresponding web bean: `OAINfotileBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
Extends	A reference to another component that creates a different instance of that	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	component at runtime.					
ID	The unique name of this component.	Name	null	null	no	id
Orientation	Layout arrangement of tiles within the tile header.	string	horizontal	admin	no	orientation
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered

## tileHeader

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
Default Tile Id	Id of the default selected tile when the infotile is rendered.	string	null	admin	no	defaultTileId
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Tile Size	The size display option.	string	Regular	admin	no	tileSize

## tile

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
contentRegionId	Id of the container associated with tile.	string	null	admin	no	contentRegionID
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Title	The title of the region.	string	null	admin	no	title

## labeledFieldLayout

### Description

This region lays out its indexed children in a series of columns, one set for the labels and the other set for the fields, with a gap in between. The children are laid out across and down, with the first child in each row in the label position and the second in the field position. The contents of each row are centered in the available space, with the labels right aligned and fields left aligned.

With multiple columns, the children continue to be laid out across and down. For example, with two columns, the third child will be used as the label for the first row and second column. Although designed for labeled text fields, this layout can be used with any UINodes. It also has support for all the inline messaging beans. Each inline messaging bean will automatically occupy both a label and field position.

Corresponding web bean: `OALabeledFieldLayoutBean`

Note: `labeledFieldLayout` has been deprecated. Use `messageComponentLayout` instead.

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Columns	The number of columns to display in the layout.	unsignedInt	1	null	no	columns
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that	jrads:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	creates a different instance of that component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
Item Width	Indicates the width of the item in pixels or as a percentage (if % sign included).	string	null	null	no	fieldWidth
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrads:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Prompt Width	Indicates the width of the prompt in	string	null	null	no	labelWidth

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	pixels or as a percentage (if % sign included).					
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# listOfValues

## Description

A listOfValues region is rendered in a separate modal dialog with a complex list of possible values that can be selected as a valid value for an entry field on a transaction page or field within a table. For more information, refer to messageLovInput.

Corresponding web bean: OAListOfValuesBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Advanced Search Allowed	Indicates if the Advanced Search region is Enabled for the List Of Values.	boolean	false	admin	no	advancedSearchAllowed
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	creates a different instance of that component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
searchInstructions	0 through to 1	Short instructional text which will display in the search block of the LOV window.

## lovMap

Choose the parent node below to view the help topic for lovMap:

messageLovInput

messageLovChoice

## menu

### Description

Rendering a menu region on a page item allows users to choose one or more client-side actions to perform on the item. You can enable a menu region on a link, image, or button item. The menu appears as a pop-up when you select the menu-enabled item, and supports two modes of operation as described below.

"Selection Disabled" allows the user to choose a single menu option, and runs the associated action. In contrast, "Selection Enabled" allows the user choose multiple menu options and runs the associated actions sequentially. All the options under a menu region are added as menu items, and are indexed children of the menu. You can also enable reordering of the menu items on a menu.

Corresponding web bean: OAMenuBean

### Properties

(Note: Pers = Personalizable, Trans = Translatable)

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Enable Reorder	Reorder is Enabled or Disabled on menu.	boolean	true	admin	no	reorderEnabled

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Enable Selection	Selection is Enabled or Disabled on menu.	boolean	true	admin	no	selectionEnabled
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## menuItem

(Note: Pers = Personalizable, Trans =

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination URI	The destination URI.	uriReference	null	null	no	destination
disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Enable Selection	Enable/disable only selection on this item.	boolean	true	admin	no	selectionEnabled
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
onReorderDown	The action to invoke upon selecting Reorder Down.	string	null	null	no	onReorderDown
onReorderUp	The action to invoke upon selecting Reorder Up.	string	null	null	no	onReorderUp
onSelect	The action to invoke upon selection of menu item.	string	null	null	no	onSelect
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Selected State	Selection state of menu item.	string	disabled	null	no	selectedState
Target Frame	The name of the target frame for the link.	string	null	admin	no	targetFrame
Text	The text label for the component.	string	null	admin	yes	text
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## messageComponentLayout

### Description

The messageComponentLayout region lays out components in multiple columns. The prompts of the components line up, and right align; and the associated data entry areas of each of the components also line up, left aligning with one another within a column. The children of this bean are restricted to message components.

Corresponding web bean: OAMessageComponentLayoutBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren

Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Columns	The number of columns to display in the layout.	unsignedInt	null	null	no	columns
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Field Width	Overrides the preferred width of the fields in pixels or as a percentage (if % sign included).	string	null	admin	no	fieldWidth
File Version	The version of the file.	string	null	null	no	file-version
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for	string	none	null	no	initSortSeq

	each search. Legal values are none, first, second, and third.					
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Prompt Width	Indicates the width of the prompt in pixels or as a percentage (if % sign included).	string	null	null	no	labelWidth
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Region	Indicates if this component is used as a search region. Setting this to True overrides settings for the Width, Prompt Width and Field Width.	boolean	false	null	no	searchRegion
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode

Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, second, ascending, and descending.	boolean	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## messageLayout

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Prompt	The text label for the component.	string	null	admin	yes	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered

## navigationBar

### Description

The navigationBar style implements a locator element. It can be used for both step-by-step navigation and record navigation.

Corresponding web bean: OANavigationBarBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	component that creates a different instance of that component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
First Step	The number of the first step in a multi-step navigation.	unsignedInt	1	null	no	minValue
Last Step	The number of the last step in a multi-step navigation.	unsignedInt	-1	null	no	maxValue
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	admin	no	postDefault
Records Displayed	The maximum number of rows to display.	unsignedInt	-1	user	no	blockSize
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Show All	Indicates if the user can view any attachment for the current object, regardless of category.	string	no	null	no	showAll
Security Mode	Defines the security mode used to secure the region. If set	string	standard	null	no	securityMode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.					
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## pageButtonBar

### Description

The pageButtonBar style lays out a set of buttons that operate over the scope of the entire page.  
Corresponding web bean: OAPageButtonBarBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# panelSplitter

## Description

This region is a content container that divides the content into two panels separated by a splitter. Adding a splitter panel instantiates an `OAPanelSplitterBean`. Right-clicking the panel splitter region in JDeveloper's Structure pane allows you to add `firstPanel` and `secondPanel` as named children. Each of these occurs once, and contain a `stackLayout` region where you can add content.

Corresponding web bean: `OAPanelSplitterBean`

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Collapsed	Initial state of the collapsible panel.	boolean	False	admin	no	collapsed
Collapsible Panel	Panel that supports expand and collapse.	string	first	admin	no	collapsiblePanel
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
ID	The unique name of this component.	Name	null	null	no	id
Orientation	Orientation in which container needs to be divided.	string	horizontal	admin	no	orientation
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Splitter Bar Offset Position	Position of the splitter bar with respect to the first panel in percentage.	string	50	admin	no	position

## popUp

### Description

The popUp region style is used to create a small window that allows a user to display and update contextual information. A pop-up window can render any OA Framework region.

There are two types of pop-up. An *Embedded* popup is embedded within the base page web bean hierarchy and is an extension of the base page, sharing the same page state. Its contents are pre-fetched as part of the base page request. A *Parameterized* pop-up is a separate standalone region that is not embedded within the base page. Its

contents are fetched and rendered on demand. Pop-ups are available on the following components: messageStyledText, image, link, button. popUp extends flowlayout and inherits all attributes from it. Corresponding web bean: OAPopupBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Enable Auto Resize	Enable auto resizing of the popup.	boolean	false	admin	no	autoResizeEnabled
Height	The display height in pixels.	string	null	admin	no	height
ID	The unique name of this component.	Name	null	null	no	id
Modal Enabled	Indicates whether the popup should be a modal dialog or a non-modal dialog.	boolean	false	admin	no	isModal
Parameters	The parameters of the pop-up.	string	null	admin	no	popupParameters
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Region	Indicates the region where the pop-up occurs.	string	null	admin	no	popupRegion
Show Notch	Show notch for the popup relative to the item that launches the popup.	boolean	false	admin	no	notchShown

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Title	Indicates the title for the pop-up	string	null	admin	no	popupTitle
Type	Indicates the pop-up type.	string	EmbeddedPopup	admin	no	popupType
View Instance	The name of the view object instance.	string	null	null	no	viewName
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	admin	no	width

## query

### Description

This extends `StackLayoutBean`, and is an extension of `stackLayout`. A query region can contain a simple search panel, an advanced search panel, a results table, and other elements as indexed children. The simple search panel is as an optional named child that can contain these as renderers: `defaultSingleColumn`, `defaultDoubleColumn`, `defaultStack`, and `defaultFormStack`. The advanced search panel is represented in metadata as an optional named child that can contain an `advancedSearch` element. The results of a query are rendered using an `HGrid` or a table. The table or `HGrid` are added as indexed children of the query region.

Three types of search panels can be displayed for a query region: *Simple*, *Advanced*, *Customize*. Query region runs in three modes: *Default*, *Results Based Search (RBS)*, and *Auto Customization Criteria (ACC)*. In default mode, the developer defines the search panels and binds the results of the search to the results table/`HGrid`. In RBS mode, the search panel is created dynamically using the `queryable` property of the region items inside the nested table or `HGrid` indexed children. ACC mode provides the flexibility of defining your own UI for the search panels, but the binding is powered by OA Framework as long as items on the panels are mapped to items in the results table/`HGrid`. To support user-personalizable searches surfaced in a Views panel, you must set the `User Personalization` property of the table/`HGrid` region (under the query region) to `True`.

Query inherits all the attributes from `stackLayout`. See the section on `stackLayout` for a list of attributes and child elements available on the `stackLayout` element.

Corresponding web bean: `OAQueryBean`

### Properties

(Note: Pers = Personalizable, Trans = Translatable)

Name	Description	Type	Default	Pers	Trans	XML Attribute
Admin Personalization	Indicates if an administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Advanced Button Label	Overrides the default text for the button that navigates to the advanced search panel.	string	null	null	true	advSearch PanelButton Label
Advanced Search Criteria Count	The default number of criteria fields displayed in the advanced search panel.	string	4	admin	no	advanced Search CriteriaCount

Advanced Panel Instructions	Overrides the default text for the advanced search panel instruction text.	string	null	null	true	advanced Search InstrTexts
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad: attribute SetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Construction Mode	Indicates the level of automatic panel and search construction. 'autoCustomizationCriteria' is the most automatic; 'resultsBasedSearch' is a semi-automatic level; 'none' implies manual construction. Legal values are none, resultsBasedSearch, and autoCustomizationCriteria.	string	none	null	no	mode
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	Type of data. Valid only when used in table region. Legal values are VARCHAR2, DATE, DATETIME, NUMBER, BIGDECIMAL, BOOLEAN, and CLOB.	string	varchar2	null	no	dataType
Enable Auto Reordering of Criteria Items	Enables auto reordering of advanced search criteria items in List Search mode.	string	null	admin	no	enableAuto Reordering CriterialItems
Enable List Search	Enables list search view for this query bean.	search	null	no	no	listSearch Enabled
Enable List Search from OA version	Mandates the minimum OA Framework version to enable List Search, in addition to Enable List Search property.	string	empty string	no	no	enableList Search FromOAVersion
Enable Saved Search Notifications	Enables user to configure and manage notifications for saved searches.	string	empty string	no	no	enableSaved Search Notifications
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad: component Ref	null	null	no	extends
Help Target	Target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. Makes the help pages from the other applications referenceable.	string	null	admin	no	helpTargetApp ShortName
Hide Match Conditions	Enables match conditions to be shown.	string	null	admin	no	match Condition Hidden
Hide Personalize	Indicates if the Personalize button is hidden.	boolean	false	admin	no	hide Personalize
Hide Save Search	Indicates if the Save Search button is hidden.	boolean	false	admin	no	hideSave Search
Include Advanced Panel	Indicates if the advanced search panel is available to the user.	boolean	false	null	no	dispAdvanced
Include Simple Panel	Indicates if the simple search panel is available to the user.	boolean	false	null	no	dispSimple
Include Views Panel	Indicates if the Views panel is available to the user.	boolean	false	null	no	dispCustomized

Infotile View of QueryBean	Enables infotile view of query bean in List Search mode.	string	null	admin	no	enableInfotileView
Initial Panel	The initial panel to render. Legal values are simple, advanced, and customized.	string	simple	user	no	defaultPanel
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
Keyword Search	Enables Keyword Search field in List Search mode.	string	null	admin	no	enableKeywordSearch
List Search Header	Header text to be rendered at top of List Search.	string	none	admin	no	listSearchHeader
No Wrap	Indicates if cell contents should be wrapped. Valid only when used in table region.	boolean	false	null	no	cellNoWrapFormat
Personalization Label	Region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows that are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Quick Search	Enables Quick Search field in List Search mode.	string	null	admin	no	enableQuickSearch
Quick Search Field Identifier	IDs of all leaf items under table or advancedTable of queryBean.	string	null	admin	no	quickSearchFieldIdentifier
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Save Search Button Text	Overrides the default text for the Save Search button.	string	null	null	true	saveSearchButtonText
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Show Views Panel Controls	Indicates if the Views Panel controls will be displayed.	boolean	true	null	no	showCustomizePanelControls
Simple Button Label	Overrides the default text for the button that navigates to the simple search panel.	string	null	null	true	simpleSearchPanelButtonLabel
Simple Panel Instructions	Overrides the default text for the Simple Search Panel instruction text.	string	null	null	true	simpleSearchInstrTexts
Sort Allowed	Indicates if the user can sort this column. Valid only when used in table region. Legal values are yes, no, ascending, and descending.	string	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting. Valid only when used in table region.	string	null	user	no	sortByViewAttr
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Store Views on Shared Region	Indicates if the views are stored on the shared region.	boolean	false	null	no	storeViewsOnSharedRegion
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	userCustomizable
View Instance	The name of the view object instance. Valid only when used in table region.	string	null	null	no	viewName
Views Button Label	Overrides the default text for the button that navigates to the Views panel.	string	null	null	true	viewConfPanelButtonLabel

Views Panel Instructions	Overrides the default text for the Views panel instruction text.	string	null	null	true	customize InstrTexts
Views Panel Title	Overrides the default text for the Views panel title.	string	null	null	true	customize PanelTitle

## Element Children

Name	Quantity	Description
advancedSearchMappings	0 through to 1	Contains mappings between criteria items on advanced search panel and result tables(or hGrids).
advancedSearchPanel	0 through to 1	Named child for holding an advanced search panel.
simpleSearchMappings	0 through to 1	Contains mappings between criteria items on simple search panel and result tables(or hGrids).
simpleSearchPanel	0 through to 1	Named child for holding a simple search panel.

## queryCriteriaMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Results Item	The ID of the item in the results table or hGrid.	jrad:componentRef	null	null	no	resultsItem
Search Item	The ID of the item in the search panel.	jrad:componentRef	null	null	no	criteriaItem

In addition to inheriting the named children from `stackLayout`, `query` has three more named children associated with it. They are `simpleSearchPanel`, `advancedSearchPanel`, and `results`.

## rowLayout

### Description

The `rowLayout` region can be used on its own, or to define a row of a `tableLayout`. It can contain arbitrary content, one item per cell, but clients that need formatting beyond just a simple `<td>` element must wrap the child nodes in `cellFormat` objects.

Corresponding web bean: `OARowLayoutBean`

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute. Valid only when used in table region.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance. Valid only when used in table region.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	creates a different instance of that component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
Horizontal Alignment	Horizontal alignment. Acceptable values are center, left, right, start, and end.	string	null	null	no	hAlign
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
No Wrap	Indicates if cell contents should be wrapped. Valid only when used in table region.	boolean	false	null	no	cellNoWrapFormat
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Sort Allowed	Indicates if the user can sort this column. Valid only when used in table region. Legal values are yes, no, ascending, descending.	string	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting. Valid only when used in table region.	string	null	user	no	sortByViewAttr
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## shuttle

### Description

The shuttle region provides a mechanism for moving items between two lists and reordering one of these lists. Often the shuttle will be used to select items from one list by placing them in the other. However, the shuttle can be used to operate on lists in other ways as well.

Corresponding web bean: OAShuttleBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Available Header	The header for the available (first) list.	string	null	null	no	leadingHeader
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrads:version	null	null	no	version
Ordering Allowed	Indicates if the contents of the selected (second) list can be ordered.	boolean	true	null	no	reorderable
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the	boolean	false	null	no	postDefault

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	defaulting of Initial Values are to be posted.					
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Selected Header	The header for the selected (second) list.	string	null	null	no	trailingHeader
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
leading	0 through to 1	The leading list of the shuttle.
leadingFooter	0 through to 1	The footer of buttons/images under the leading list.
trailing	0 through to 1	The trailing list of the shuttle.
trailingFooter	0 through to 1	The footer of buttons/images under the trailing list.

# stackLayout

## Description

The stackLayout region is a layout element that lays out each of its children vertically.

Corresponding web bean: OASStackLayoutBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute. Valid only when used in table region.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance. Valid only when used in table region.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
No Wrap	Indicates if cell contents should be wrapped. Valid only when used in table region.	boolean	false	null	no	cellNoWrapFormat
OA Extension Version	The Oracle Applications Extension version with	jrad:version	null	null	no	version

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	which the file was created or updated.					
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Sort Allowed	Indicates if the user can sort this column. Valid only when used in table region. Legal values are yes, no, ascending, descending.	string	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting. Valid only	string	null	user	no	sortByViewAttr

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	when used in table region.					
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	userCustomizable
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## subTabLayout

### Description

This region has a named child, `subTabs`, that takes a `subTabBar` bean. `subTabBar` contains link elements as its indexed children, and is rendered on top and at the bottom. The indexed children of `subTabLayout` are rendered in between. The number of indexed children of `subTabBar` (the link elements), must equal the number of indexed children of the parent `subTabLayout`.

The link elements switch between the indexed children of the `subTabLayout`. `subTabLayout` extends `UIX <uix:subTabLayout>` and inherits all the attributes and children.

Corresponding web bean: `OASubTabLayoutBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName

AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Display Type	Display Mode for sub tab layout links.	string	textOnly	admin	no	displayType
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
ID	The unique name of this component.	Name	null	null	no	id
Initial Subtab	The initially selected subtab.	nonNegativeInteger	0	null	no	selectedIndex
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Orientation	This property can be used to	string	horizontal	admin	no	orientation

	determine whether the sub tabs are displayed vertically or horizontally.					
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
subTabs	0 through to 1	Rendered twice per bean render, once before indexed children and once after.

## subTabBar

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## switcher

### Description

The switcher region dynamically sets the UINode subtree to be rendered, using its childName. Indexed children of this bean are not rendered. childName is bound as a VO attribute. You specify viewName and viewAttr attributes on a switcher, not declaratively.

Corresponding web bean: OASwitcherBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Valid only when used in table region. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Export View Attribute	The alternative view attribute for use when exporting. Valid only when used in table region.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a	jrads:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	different instance of that component at runtime.					
File Version	The version of the file.	string	null	null	no	file-version
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
No Wrap	Indicates if cell contents should be wrapped. Valid only when used in table region.	boolean	false	null	no	cellNoWrapFormat
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrads:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to	string	standard	null	no	securityMode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	handle security validation. Legal values are standard and selfSecured.					
Sort Allowed	Indicates if the user can sort this column. Valid only when used in table region. Legal values are yes, no, ascending, and descending.	string	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting. Valid only when used in table region.	string	null	user	no	sortByViewAttr
User Personalization	Indicates if a user can personalize this component. Valid only when used in table region.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance. Valid only when used in table region.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
case	1 or more	Used with the SwitcherBean to decide which child must be rendered.

# table

## Description

This is used to display tabular data. It also supports selection (both single and multiple), sorting, record navigation, totalling and detail-disclosure. Totalling can be enabled for any column except for the first column in a table. To support accessibility for screen readers, you must identify a column in a classic table as a row header. Every row in the table must refer to a column as the row header that uniquely identifies the row so the screen reader can read it. Screen reader users must also define their Accessibility mode by setting the profile Self Service Accessibility Features to Screen Reader Optimized.

The underlying UIX oracle.cabo.ui.beans.table.TableBean supports accessibility by defaulting a table's first column as the row header. However, you can set a different column as the row header, especially if a user is likely to personalize the table by turning off rendering of the first column or if the first column can return no data. Note that for a classic table, you may only set an immediate child under the table as a row header column, and not a recursive child item under an immediate child. To declaratively set a column as a row header, in the OA Extension Property Inspector, specify a column ID (String) for the Row Header Column property (XML attribute: rowheadercol) of the classic table region. To programmatically set a column as a row header, use the following API on OATableBean: setRowHeaderColumn(<columnName>); Note: As of Release 12.2, you may also personalize the Row Header Col property of a Classic Table to identify a column as the Row Header for screen reader accessibility.

Corresponding web bean: OATableBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass

CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Detail View Attribute	The view attribute that determines if that particular row is to be stamped with the detail child.	string	null	null	no	detailViewAttr
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Display Vertical Gridlines	Control display of vertical gridlines.	boolean	true	admin	no	verticalGridlinesDisplayed
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Enable Column Hide Show	Enable columns to be hidden/shown by end users.	boolean	true	admin	no	columnHideShowEnabled
Enable Column Reorder	Enable columns to be reordered by end users.	boolean	true	admin	no	colReorderEnabled
Enable Column Resize	Enable columns to be resized by end users.	boolean	true	admin	no	colResizeEnabled
Enable Detach	Enable the table to be detached and maximized in the browser.	boolean	true	admin	no	detachEnabled
Enable Excel Export	Allows Excel export.	functional	empty	admin	no	enableExcelExport
Enable PDF Export	Allows PDF export.	functional	empty	admin	no	enablePDFExport
Enable Horizontal Scroll	Enable horizontal scroll bars.	boolean	true	admin	no	horizontalScrollEnabled

Enable Translation Editor	Whether or not to enable the translation editor in this component. The VO associated with the component must comply with the OA Framework MLS table standard.	boolean	null	no	no	translationEditorEnabled
Enable User Control on Table Columns	If set to True, each item's user customizable will be used to add the item to the settings menu.	boolean	null	no	no	enableUserControlOnColumns
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
Message Appl Short Name	The application short name that owns the message.	string	null	admin	no	messageAppShortName
Message Name	The name of the message.	string	null	admin	no	messageName

Minimum Listview Column Count	The minimum number of table columns to enable toggle for listview display.	unsignedInt	6	admin	no	minColumnCountForListview
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Query By Example Case Sensitive Search	Indicates if Query By Example performs case sensitive search. Check with performance team before disabling.	boolean	true	null	no	qbeCaseSensitiveSearch
Record History Enabled	Indicates if Record History feature is enabled.	boolean	false	admin	no	recordHistoryEnabled
Records Displayed	The maximum number of rows to display.	unsignedInt	10	user	no	blockSize
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Row Header Col	Indicates if Scope attribute is to be added to Table.	unsignedInt	null	admin	no	rowheadercol
Row Header View Attribute	The view attribute for the row header.	string	null	null	no	rowHeaderViewAttr
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope

Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	no	text
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
detail	0 through to 1	Node to stamp below every row which is disclosed.
tableActions	0 through to 1	Component used for performing table actions that are independent of row selection.
tableSelection	0 through to 1	SingleSelectionBean or MultipleSelectionBean to render with the table.

# tableLayout

## Description

The tableLayout region is a thin wrapper around the HTML's table element. It contains a series of rowLayout elements.

Corresponding web bean: OATableLayoutBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Child View Attribute	The name of the child view attribute.	string	null	null	no	childViewAttrName
Child View Instance	Renders an instance of the object for each row in the View Instance.	string	null	null	no	childViewUsageName
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Document Name	The name of the component	jrad:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
Horizontal Alignment	Horizontal alignment. The acceptable values are center, left, right, start, and end.	string	center	null	no	hAlign
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only	boolean	false	null	no	postDefault

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	by the defaulting of Initial Values are to be posted.					
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
View Link Instance	The name of the View Link Instance establishing master-detail relationship between outer and inner repeating containers.	string	null	null	no	viewLinkName
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# train

## Description

The train region is used to indicate the current page of a multi-page process. The highlighted step indicates the currently active page. The train has one property, `selectedIndex`, which is the index of the selected step.

Corresponding web bean: `OATrainBean`

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Allow Interaction	Indicates if each train stop should be rendered as a link.	boolean	false	null	no	formSubmitted
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Document Name	The name of the component	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
File Version	The version of the file.	string	null	null	no	file-version
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, selfSecured.	string	standard	null	no	securityMode
Sub Train	Indicates if images are rendered before and after the train to indicate that this train is part of a sub-process.	boolean	false	null	no	subTrain
xml:lang	Identifies the language contained	optional	null	null	no	xml:lang

	within this component.					
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## tree

### Description

This region displays objects in a hierarchical format, factoring data into child/leaf nodes and parent nodes that can be expanded or collapsed. Tree allows users to browse through complex sets of hierarchical objects and access details for a record by highlighting it. The visual view of the hierarchy using the tree also shows the mutual relationship between a set of objects.

Corresponding web bean: OATreeBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	null	null	no	unvalidated
Document Name	The name of the component	jrad:refName	null	null	no	docName

Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Help Target	The target name for the page online help.	string	null	null	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	null	no	helpTargetAppShortName
ID	Maps to the Item Name property of the Default Tree region-item.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to	jrad:scope	.	null	no	scope

	reuse this component.					
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Standalone	Indicates if this region can be rendered on its own.	boolean	false	null	no	standalone
Text	The text label for the component.	string	null	admin	true	text
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
members	1	Grouping used for specifying tree's members

## nodeDef

(Note: Pers = Personalizable, Trans =

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Action Type	The action type to fire for the component. It should be either fireAction or none.	string	none	null	no	primary ClientAction
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad: attribute SetRef	null	null	no	use
Child Object Type	Object Type of child nodes, used when displaying record set navigation controls.	string	null	null	true	childType Text
Context Menu Lookup	Lookup to show interactive Gantt context menu options. This property is shown only when nodeDef is under Gantt. A tree without Gantt will not display this property.	string	null	null	no	contextMenu Lookup
Comments	Comments	string	null	null	no	comment

Custom Tip Attribute List	List of view attributes shown in custom tip. This property is shown only when nodeDef is under Gantt. A tree without Gantt will not display this property.	string	null	yes	no	customTool Tip List
Custom Tip Label List	List of view attribute labels shown in custom tooltip. This property is shown only when nodeDef is under Gantt. A tree without Gantt will not display this property.	string	null	user	yes	Custom ToolTip LabelList
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Destination URI	The Destination URI.	anyURI	null	admin	no	destination
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	null	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	server Unvalidated
Document Name	The name of the component	jrad:refName	null	null	no	docName
Event	Name of the event.	string	null	null	no	event
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:component Ref	null	null	no	extends
Icon URI	the URI for the icon file.	anyURI	null	admin	no	icon
Parameters	A list of parameter names and values to be submitted by the action.	name-value pair	null	null	no	parameters
Record Set Size	The maximum number of records that can be displayed under each node.	ui:non Negative Integer Expression Type	null	null	no	childBlock Size
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Submit	Indicates if the action will cause a form submit	boolean	null	null	no	form Submitted
Target Frame	The name of the target frame for the link.	string	null	null	no	targetFrame
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAbout Changes
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## childNode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
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Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM Instance	The instance name of an application module.	string	null	null	no	amUsageName
Ancestor Node	Optionally set only on the leaf level <childNode> element to recursively point to one of the ancestor nodes.	jrad:localRef	null	null	no	ancestorNode
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
View Link Accessor	The name of the View Link Accessor for the child data.	string	null	null	no	viewLinkAccessorName
View Link Instance	The name of the View Link Instance for the child data.	string	null	null	no	viewLink
xml:lang	Identifies the language	optional	null	null	no	xml:lang

	contained within this component.					
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## Element Children

Name	Quantity	Description
members	0 through 1	Grouping used for specifying tree's members.

## Part 3: Advanced Components

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### attachmentImage

#### Description

An attachmentImage item style is used to display multi-row attachments that are represented as icons. An attachment image uses a Switcher bean internally to switch between one of two image beans. attachmentImage is an extension of <ui:base>. All attributes supported by <ui:base> are inherited by attachmentImage.

Corresponding web bean: OAttachmentImageBean

#### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Automatic Save	Indicates if automatic save is enabled.	boolean	false	null	no	autoCommitEnabled
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Default Attachment Type	The default attachment type in the UI when adding new attachments. <b>(Note:</b> You may select file, shortText, longText or	string	file	admin	no	defaultAttachmentType

	<p>url from the poplist of values. However, if the attachment type you select is disabled, then the following warning message displays:</p> <p>The Enable &lt;[Text/URL/File]&gt; Attachment property cannot be false when Default Attachment Type is set to &lt;[Text/URL/File]&gt;. Please set Enable &lt;[Text/URL/File]&gt; Attachment to true or change the Default Attachment Type to an enabled attachment type.</p>					
Document Name	The name of the component	jrad:refName	null	null	no	docName
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	true	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	true	null	no	serverUnvalidated
Enable Document Catalog	Indicates if the Document Catalog is enabled for	boolean	true	admin	no	enableDocument Catalog

	the component.					
Enable File Attachment	Indicates if file attachments are allowed.	boolean	true	admin	no	enableFileAttachment
Enable Text Attachment	Indicates if text attachments are allowed.	boolean	true	admin	no	enableTextAttachment
Enable URL Attachment	Indicates if URL attachments are allowed.	boolean	true	admin	no	enableURLAttachment
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Inline Attachment Enabled	Indicates whether inline attachment capability is enabled or not.	boolean	(Default)	admin	no	inlineAttachmentEnabled
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Prompt	The text label for the component.	string	Attachments	admin	true	prompt
Render Search Region	Indicates if the search region is rendered.	boolean	true	null	no	searchRegionRendered
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope

User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Instance	The name of the view object instance.	string	null	null	no	viewName
Virus Scan Enabled	Indicates if Virus Scan is enabled on file attachments.	boolean	false	admin	no	virusScanEnabled
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
entityMappings	1	Defines the entity and item relationships.

## entityMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Delete Allowed	Indicates if the user can delete attachments from the current object.	boolean	true	null	no	deleteAllowed
Entity	The name of the attachment entity which defines the primary key relationships.	string	null	null	no	entityId
Insert Allowed	Indicates if new attachments can be created for this entity.	boolean	true	null	no	insertAllowed
Show All	Indicates if the user can view any attachment for the current object, regardless of category.	boolean	false	null	no	showAll
Update Allowed	Indicates if the user can edit the attachment content.	boolean	true	null	no	updateAllowed

## Element Children

Name	Quantity	Description
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categoryMappings	0 through to 1	Defines the entity and category relationships.
primaryKeys	0 through to 1	Defines the primary keys.

## categoryMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Category	The attachment category name.	string	null	null	no	categoryName
Comments	Comments.	string	null	null	no	comment
Secured	Indicates if the object is secured by grants model.	boolean	false	admin	no	secured

## primaryKey

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

## attachmentLink

### Description

Item style used to display single-row attachments. An extension of messageStyledText. All attributes supported by messageStyledText are inherited by attachmentLink. See messageStyledText for those supported.

Corresponding web bean: OAMessageAttachmentLinkBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use

Automatic Save	Indicates if automatic save is enabled.	boolean	false	null	no	autoCommitEnabled
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Default Attachment Type	<p>The default attachment type in the UI when adding new attachments.</p> <p><b>(Note:</b> You may select file, shortText, longText, or url from the poplist of values. However, if the attachment type you select is disabled, then the following warning message displays:</p> <p>The Enable &lt;[Text/URL/File]&gt; Attachment property cannot be false when Default Attachment Type is set to &lt;[Text/URL/File]&gt;. Please set Enable &lt;[Text/URL/File]&gt; Attachment to true or change the Default Attachment Type to an enabled attachment type.</p>	string	file	admin	no	defaultAttachmentType

Document Name	The name of the component	jrad:refName	null	null	no	docName
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	true	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	true	null	no	serverUnvalidated
Enable Document Catalog	Indicates if the Document Catalog is enabled for the component.	boolean	true	admin	no	enableDocumentCatalog
Enable File Attachment	Indicates if file attachments are allowed.	boolean	true	admin	no	enableFileAttachment
Enable Text Attachment	Indicates if text attachments are allowed.	boolean	true	admin	no	enableTextAttachment
Enable URL Attachment	Indicates if URL attachments are allowed.	boolean	true	admin	no	enableURLAttachment
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Inline Attachment Enabled	Indicates whether inline attachment capability is enabled or not.	boolean	(Default)	admin	no	inlineAttachmentEnabled
Link Text	The Text for the attachment link.	string	View	null	true	text

Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Prompt	The Prompt for the attachment link.	string	Attachments	user	true	prompt
Render Search Region	Indicates if the search region is rendered.	boolean	true	null	no	searchRegionRendered
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and None.	string	none	admin	no	tipType
View Instance	The name of the view object instance.	string	null	null	no	viewName
Virus Scan Enabled	Indicates if Virus Scan is enabled on file attachments.	boolean	false	admin	no	virusScanEnabled
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
entityMappings	1	Defines the entity and item relationships.

## entityMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Delete Allowed	Indicates if the user can delete attachments from the current object.	boolean	true	null	no	deleteAllowed
Entity	The name of the attachment entity which defines the primary key relationships.	string	null	null	no	entityId
Insert Allowed	Indicates if new attachments can be created for this entity.	boolean	true	null	no	insertAllowed
Show All	Indicates if the user can view any attachment for the current object, regardless of category.	boolean	false	null	no	showAll
Update Allowed	Indicates if the user can edit the attachment content.	boolean	true	null	no	updateAllowed

## Element Children

Name	Quantity	Description
categoryMappings	0 through to 1	Defines the entity and category relationships.
primaryKeys	0 through to 1	Defines the primary keys.

## categoryMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Category	The attachment category name.	string	null	null	no	categoryName
Comments	Comments.	string	null	null	no	comment
Secured	Indicates if the object is secured by grants model.	boolean	false	admin	no	secured

## primaryKey

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

## attachmentTable

### Description

Item style used to display attachments in regions used to show one row in a view, such as header and flow layout. It is an extension of header. All attributes supported by header are inherited by attachmentTable. Also see header.

Corresponding web bean: `OAttachmentTableBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	true	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Automatic Save	Indicates if automatic save is enabled.	boolean	false	null	no	autoCommitEnabled
Comments	Comments	string	null	null	no	comment
Copy Attachment Enabled	Indicates if Copying is enabled on file attachments.	boolean	false	admin	no	copyAttachmentEnabled
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Default Attachment Type	The default attachment type in the UI when adding new attachments. <b>(Note:</b> You may select file, shortText, longText or url from the poplist	string	file	admin	no	defaultAttachmentType

	<p>of values. However, if the attachment type you select is disabled, then the following warning message displays:</p> <p>The Enable &lt;[Text/URL/File]&gt; Attachment property cannot be false when Default Attachment Type is set to &lt;[Text/URL/File]&gt;. Please set Enable &lt;[Text/URL/File]&gt; Attachment to true or change the Default Attachment Type to an enabled attachment type.</p>					
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	true	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	true	null	no	serverUnvalidated
Enable Document Catalog	Indicates if the Document Catalog is enabled for the component.	boolean	true	admin	no	enableDocumentCatalog
Enable Oracle Files	Indicates if attachments will be stored in Oracle Files.	boolean	true	null	no	oracleFilesEnabled
Enable File Attachment	Indicates if file attachments are allowed.	boolean	true	admin	no	enableFileAttachment

Enable Text Attachment	Indicates if text attachments are allowed.	boolean	true	admin	no	enableTextAttachment
Enable URL Attachment	Indicates if URL attachments are allowed.	boolean	true	admin	no	enableURLAttachment
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	admin	no	helpTargetAppShortName
Icon URI	The URI for the icon file.	string	null	admin	no	icon
Inline Attachment Enabled	Indicates whether inline attachment capability is enabled or not.	boolean	(Default)	admin	no	inlineAttachmentEnabled
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	admin	no	postDefault
Record History Enabled	Indicates if Record History feature is enabled for this option.	boolean	false	admin	no	recordHistoryEnabled
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Render Search Region	Indicates if the search region is rendered.	boolean	true	null	no	searchRegionRendered

Text	The text label for the component.	string	null	admin	yes	text
View Instance	The name of the view object instance.	string	null	null	no	viewName
Virus Scan Enabled	Indicates if Virus Scan is enabled on file attachments.	boolean	false	admin	no	virusScanEnabled

## Element Children

Name	Quantity	Description
entityMappings	1	Defines the entity and item relationships.

## entityMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Approval Function Name	Function Name for the approval process.	string	null	null	no	approvalFunctionName
Approval View Attribute	View Attribute to determine if approval process is required.	string	null	null	no	approvalViewAttr
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Delete Allowed	Indicates if the user can delete attachments from the current object.	boolean	true	null	no	deleteAllowed
Entity	The name of the attachment entity which defines the primary key relationships.	string	null	null	no	entityId
Insert Allowed	Indicates if new attachments can be created for this entity.	boolean	true	null	no	insertAllowed
Show All	Indicates if the user can view any attachment for the current object, regardless of category.	boolean	false	null	no	showAll

Update Allowed	Indicates if the user can edit the attachment content.	boolean	true	null	no	updateAllowed
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#### Element Children

Name	Quantity	Description
categoryMappings	0 through to 1	Defines the entity and category relationships.
primaryKeys	0 through to 1	Defines the primary keys.

## categoryMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Category	The attachment category name.	string	null	null	no	categoryName
Comments	Comments.	string	null	null	no	comment
Secured	Indicates if the object is secured by grants model.	boolean	false	admin	no	secured

## primaryKey

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

## button

### Description

A button item style creates a push button, which allows the user to trigger some action in response to a click. The button fires an onclick event when it is activated. Buttons will not render any child nodes.

Corresponding web bean: OAButtonBean

### Properties

(Note: Pers = Personalizable, Trans = Translatable)

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Destination URI	The destination URI.	uriReference	null	null	no	destination
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	null	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Horizontal Alignment	Horizontal alignment. Legal values are center, left, right, start, and end.	string	start	null	no	hAlign
Icon Position	Position of the icon relative to the button text.	string	start	null	no	iconPosition
Icon URI	The URI for the icon file.	string	null	admin	no	icon
ID	The unique name of this component.	Name	null	null	no	id
Popup Enabled	Indicates whether the pop-up is enabled.	boolean	false	admin	no	popupEnabled
Popup ID	The unique name of the pop-up.	string	null	admin	no	popupId
Popup Render Event	Indicates on what action type the event is to be rendered for the popup.	string	onClick	admin	no	popupRenderEvent
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Target Frame	The name of the target frame for the link.	string	null	admin	yes	targetFrame
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# categoryMap

Choose the parent node below to view the help topic for categoryMap:

attachmentImage

attachmentLink

attachmentTable

messageInlineAttachment

# colorPicker

## Description

Oracle E-Business Suite users can choose a color for a color field using a Color Picker. A Color Picker comprises a popup that shows a color palette (set of fixed colors).

A second level popup can be opened from the palette popup. This popup displays a spectrum that allows a color to be picked from a distribution of colors rather than a fixed set.

Corresponding web bean: OAMessageColorFieldBean

## Properties

(Note: Pers = Personalizable, Trans = Translatable)

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. Legal values are fireAction, firePartialAction, and none.	string	none	null	no	primaryClient Action
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrads:attribute SetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are: VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Operators	Disable operators picklist for the filter in List Search.	boolean	null	null	no	disableOperators
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component.	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Height	The display height in characters.	unsignedInt	1	null	no	rows
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
Initial Value	The initial (default) value of the item.	string	null	admin	true	translatable DefaultValue
Length	The display length in characters.	unsignedInt	null	admin	no	columns
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Maximum Length	The maximum number of characters per line that can be entered.	unsignedInt Also supports Expression Language (EL) syntax.	null	null	no	maxLength
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrap Format
Placeholder Text	A short hint that describes the expected value of an input field.	string	null	admin	no	placeholder
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, and validatorOnly.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Secret	Indicates if the value is visually concealed.	boolean	false	no	no	secret
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearch Criteria
showRequired		boolean	false	null	no	showRequired
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression	no	admin	no	sortState

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
		Language (EL) syntax.				
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageApp ShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	user Customizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAbout Changes
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## entityMap

Choose the parent node below to view the help topic for entityMap:

[attachmentImage](#)

[attachmentLink](#)

[attachmentTable](#)

[messageInlineAttachment](#)

## exportButton

### Description

Item style used to export the displayed data of either a region or all regions on a page to a .csv file. Only beans that are rendered will be exported. Each region on the exported file will have a row of column names followed by the results.

In Windows, clicking on the export button will open a dialog that asks you to either open or save the exported file. You could view the Excel file either by opening it directly or saving and then opening it.

exportButton can be used as follows:

- Exporting the data of all regions on a page.  
To do this, create a contentFooter region under the pageLayout region of that specific page. Then add an Export Button to the contentFooter region. If more than one button needs to be added to the contentFooter, then they should be put under a flowLayout region, which should then be added to the contentFooter.
- Exporting data of a specific region on a page.  
To do this, create an Export Button under the region whose data you want to export. Then, in the container object, position this export button and set a view usage name for this export button. The data of this VO will be exported.

Corresponding web bean: OAExportBean

## Properties

oa:exportButton extends oa:submitButton and inherits all the properties from it. Please refer to the submitButton section for more information on all submitButton properties.

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad: attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	server Unvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Export All Rows	Indicates if all rows will be exported, ignoring the maximum fetch size.	boolean	false	null	no	exportAllRows
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad: componentRef	null	null	no	extends
Horizontal Alignment	Horizontal alignment. Legal values are center, left, right, start, and end.	string	start	null	no	hAlign
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrap Format
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Text	The text label for the component.	string	null	admin	yes	text

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
View Instance	The name of the view object instance.	string	null	null	no	viewName

## flex

### Description

Descriptive flexfields provide customizable space that can be used to track additional information for an organization, such as a web link. Key flexfields are keys made up of segments that identify entities such as part numbers.

Corresponding web beans: `OADescriptiveFlexBean`, `OAKeyFlexBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Appl Short Name	The application short name that owns the Flexfield.	string	null	null	no	flexFieldAppShortName
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Display Context Field	Indicates if the context field is displayed.	boolean	true	null	no	displayContextField
Document Name	The name of the component.	jrads:refName	null	null	no	docName
Case Sensitive Search for Look Ahead LOV	Enable 'Case Sensitive Search' property on Flex item during KFF Look Ahead LOV search.	string	null	null	no	LookAhead_LOV_Case_Sensitive_Search

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	If True, perform Case Sensitive search during KFF LOV Look Ahead search.					
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Name	The name of the Flexfield.	string	null	null	no	flexName
Parent Filter ID	Parent filter that determines the rendering of the child filter.	string	empty string	no	no	parentFilterIdentifier
Prompt	The text label for the flexfield, used in the personalization window.	string	null	admin	true	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Render as Popup	Render the descriptive flex field as a popup.	boolean	false	user	no	renderedAsPopup
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	null	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Segment List	The limited list of flexfield segments.	string	null	admin	no	segmentList
Selective Search Criteria	Selective Search Criteria	boolean	false	admin	no	SelectiveSearchCriteria

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Type	The type of the Flexfield. Legal values are key and descriptive.	string	descriptive	null	no	flexStyle
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
flexMaps	1	Defines the external references for a flexfield.

## flexMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Name	Specify the name.	string	null	null	no	name
Reference Value	Value to be set on the named parameter.	string	null	null	no	referenceValue
Refers Context	Indicates whether the value refers to the context field.	boolean	false	null	no	refersContext

## flexibleContentList

### Description

flexibleContentList is the UINode contained in flexibleContents, a named child of the pageLayout region. flexibleContentList contains the flexibleContent in one place, to increase performance of page render.

Corresponding web bean: OAFlexibleContentListBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
ID	The unique name of this component.	Name	null	null	no	id

## formattedText

### Description

The formattedText item style accepts a string with limited HTML markup and outputs formatted results. Developers needing tables or links (for example) should either use the tableLayout and link beans respectively, or the rawText bean.

This bean does provide a capability to use a single source for translated or user-provided formatted text without further parsing, filtering, or dangerous constructs (such as Javascript), for output. It also supports more attributes than the rawText bean: for example, styleClass.

This component supports the following HTML markup:

- <br>
- <hr>
- <li>,<ol>,<ul>
- <p>
- <b>
- <i>
- <tt>
- <big>
- <small>
- <pre>
- <span>
- <a>

and the following entities:

- <
- >
- &
- &#188;
- &#189;

In addition, the CSS attributes (class and style) and href are supported; all others are ignored. Other elements or entities will be ignored.

Corresponding web bean: OAFormattedTextBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
Label	The label for the component.	string	null	admin	no	labelTitle
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to	jrad:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	reuse this component.					
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Text	The text label for the component.	string	null	admin	yes	text
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## formParameter

### Description

This item style is a placeholder for submission parameters. Unlike `formValue`, it does not support value attributes (value is set at submission). Also unlike `formValue`, `formParameter` can be added repeatedly and only one instance will appear.

Corresponding web bean: `OAFormParameterBean`

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# formValue

## Description

The formValue item style adds a value that will be submitted with a form, but not displayed to the user. The value submitted with the form comes from the associated formValue element attributes viewName and viewAttr. The inherited UIX attribute, value, is used only if there are no associated viewName/viewAttr attributes.

Corresponding web bean: OAFFormValueBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Document Name	The name of the component	jrad:refName	null	null	no	docName
Enable Facet	Enables relative date range support for date fields under query bean.	boolean	null	admin	no	enableFacet
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultiple Selection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRangeSelection
Encrypt	Indicates if the contents is encrypted in the HTML source.	boolean	false	null	no	encrypted
Extends	A reference to another component that	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	creates a different instance of that component at runtime.					
ID	The unique name of this component.	Name	null	null	no	id
MultiSelect Options Delimiter	Overrides the default delimiter for a multi-selection choice list.	string	null	no	no	multiSelectOptions Delimiter
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	null	no	queryable
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearch Criteria
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## image

### Description

The image item style creates an HTML image tag.

Corresponding web bean: OAIImageBean

### Properties

(Note: Pers = Personalizable, Trans =

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. Legal values are fireAction and none.	string	none	null	no	primaryClient Action
Additional Text	Additional help text.	string	null	admin	true	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad: attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Destination URI	The destination URI.	uriReference	null	null	no	destination
Disable Operators	Disable operators picklist for the filter in List Search.	boolean	null	null	no	disable Operators
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	server Unvalidated

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Document Name	The name of the component	jrads:refName	null	null	no	docName
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultiple Selection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRange Selection
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:component Ref	null	null	no	extends
Height	Indicates the height in pixels or as a percentage (if % sign included).	ui:string ExpressionType	null	null	no	imageHeight
ID	The unique name of this component.	Name	null	null	no	id
Image URI	The URI for the image file.	uriReference	null	null	no	source
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
MultiSelect Options Delimiter	Overrides the default delimiter for the multi-selection choice list.	string	null	no	no	multiSelectOptions Delimiter
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Popup Enabled	Indicates whether the pop-up is enabled.	boolean	false	admin	no	popupEnabled
Popup ID	The unique name of the pop-up.	string	null	admin	no	popupId
Popup Render Event	Indicates on what action type the event is to be rendered for the pop-up.	string	onClick	admin	no	popupRenderEvent
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current	boolean	true	null	no	warnAboutChanges

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
	action or discard the changes and continue with the current action.					
Width	On SpacerBean: Indicates the width in pixels. On others: Indicates the width in pixels or as a percentage (if % sign included).	ui:string ExpressionType	null	null	no	imageWidth
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## layeredLayout

### Description

The layered layout region allows you to present content in multiple layers rather than in subtabs. Each layer has its own data and controller. Adding a layered layout instantiates an `OALayeredLayoutBean`. The only supported child of `OALayeredLayoutBean` is `OALayerBean` as an indexed child.

Corresponding web bean: `OALayeredLayoutBean`

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Add Indexed Children	Indicates if indexed children will be automatically added to this UI node tree.	boolean	true	null	no	addChildren
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	admin Customizable
Attribute Set	The attribute set for the component.	jrad: attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad: componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Layer Selection Event	Event triggered when a new layer is selected.	enum	submitAnd Redirect	admin	no	layerSelection Event
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by	boolean	false	null	no	postDefault

	the defaulting of Initial Values are to be posted.					
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard, and selfSecured.	string	standard	null	no	securityMode
Selected Layer Id	ID of selected layer.	string	null	admin	no	selectedLayerId

## link

### Description

The link item style creates an HTML link tag.

Corresponding web bean: OALinkBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	no	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Destination URI	The destination URI.	uriReference	null	null	no	destination
Disable Operators	Disable operators picklist for the filter in List Search.	boolean	null	null	no	disableOperators
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Document Name	The name of the component	jrad:refName	null	null	no	docName
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultipleSelection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRangeSelection
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Icon URI	The URI for the icon file.	string	null	admin	no	icon
MultiSelect Options Delimiter	Overrides the default delimiter for the multi-selection choice list.	string	null	no	no	multiSelectOptionsDelimiter
Popup Enabled	Indicates whether the pop-up is enabled.	boolean	false	admin	no	popupEnabled
Popup ID	The unique name of the pop-up.	string	null	admin	no	popupId
Popup Render Event	Indicates on what action type the event is to be rendered for the pop-up.	string	onClick	admin	no	popupRenderEvent

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Target Frame	The name of the target frame for the link.	string	null	admin	yes	targetFrame
Text	The text label for the component.	string	null	admin	yes	text
User Personalization	Indicates if a user can personalize this component.	boolean	false	no	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## list

### Description

The list item style creates a control which allows the user to select one or more values from a list of items. The list control contains any number of option elements, each of which represents an available option that the user may select.

Corresponding web bean: OAListBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
List Height	The display height in characters.	unsignedInt	null	null	no	size
Multi-Select Allowed	Indicates if the list allows multiple selections.	boolean	false	null	no	multiple

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Picklist Description Attribute	The view attribute that serves as the description of choices.	string	null	null	no	pickListViewDescription
Picklist Display Attribute	The view attribute that serves as the displayed value of choices.	string	null	null	no	pickListDispAttr
Picklist Value Attribute	The view attribute that serves as the internal value of choices.	string	null	null	no	pickListValAttr
Picklist View Definition	The fully-qualified view object name for the picklist, cached at the JVM level.	string	null	null	no	pickListViewDef
Picklist View Instance	The view instance name for the picklist.	string	null	null	no	pickListViewName
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## messageCheckBox

### Description

The messageCheckBox item style is a combination of the checkBox and inlineMessage controls.

Corresponding web bean: OAMessageBoxCheckBoxBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Check Box Toggle ButtonSet	True value label for the checkbox button rendered as button set.	string	null	admin	no	trueValueLabel
Check Box Toggle ButtonSet	False value label for the checkbox button	string	null	admin	no	falseValueLabel

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	rendered as button set.					
Checked Value	The value when checked.	string	null	null	no	checkedValue
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Display Mode	Displays the check box as a toggle button.	boolean	null	no	no	displayMode
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are	string	none	null	no	initSortSeq

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	none, first, second, and third.					
Initial Value	The initial (default) value of the item.	string	null	admin	no	defaultValue
Initially Checked	The initial (default) state of the item.	boolean	null	null	no	checked
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Parent Filter ID	Parent filter that determines the rendering of the child filter.	string	empty string	no	no	parentFilterIdentifier
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, and default.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
Unchecked Value	The value when unchecked.	string	null	null	no	unCheckedValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language	optional	null	null	no	xml:lang

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	contained within this component.					

## messageChoice

### Description

The messageChoice item style is a combination of the choice and inlineMessage controls.

Corresponding web bean: OAMessageChoiceBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Add Blank Value	Adds an empty value to the choice list if it is not Required	boolean	true	admin	no	allowBlankValue
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL,	string	VARCHAR2	null	no	dataType

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	NUMBER, BOOLEAN, and CLOB.					
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Operators	Disable operators picklist for the filter in List Search.	boolean	null	null	no	disableOperators
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultiple Selection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRange Selection
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
Initial Value	The initial (default) value of the item.	string	null	admin	no	defaultValue

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
MultiSelect Options Delimiter	Overrides the default delimiter for the multi-selection choice list.	string	null	no	no	multiSelectOptions Delimiter
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Parent Filter ID	Parent filter that determines the rendering of the child filter.	string	empty string	no	no	parentFilterIdentifier
Picklist Display Attribute	The view attribute that serves as the displayed value of choices.	string	null	null	no	pickListDispAttr
Picklist Value Attribute	The view attribute that serves as the internal value of choices.	string	null	null	no	pickListValAttr
Picklist View Definition	The fully-qualified view object name for the picklist, cached at the JVM level.	string	null	null	no	pickListViewDef
Picklist View Instance	The view instance name for the picklist.	string	null	null	no	pickListViewName
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Two values are allowed: yes, no.	string	no	admin	no	required
Scope	The Base Packages which	jrad:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	are allowed to reuse this component.					
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearch Criteria
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessage AppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to	boolean	false	user	no	totalValue

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	show the total of this column.					
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## messageDownload

### Description

The messageDownload item style enables downloading of a file from the application tier to a desktop client. The messageDownload component appears as linked text on a page.

The messageDownload item style extends messageStyledText. Refer to messageStyledText for more information.

Corresponding web bean: OAMessageDownloadBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard	string	null	admin	no	accessKey

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	navigation or activation.					
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
File MIME Type	The MIME type of the File.	string	null	null	no	fileContentType
File Name Override	The File Name to use instead of the view attribute text when saving the file.	string	null	null	no	downloadFileName
File View Attribute	The view attribute for the file content.	string	null	null	no	contentViewAttributeName
Height	The display height of the Search item in characters.	unsignedInt	null	null	no	rows
Initial Sort Sequence	Indicates the initial sort sequence for	string	none	null	no	initSortSeq

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	each search. Legal values are none, first, second, and third.					
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Maximum Length	The number of characters a user can enter as search criteria for this field in a results-based (automatic) search.	unsignedInt Also supports Expression Language (EL) syntax.	null	admin	no	maxLength
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Prompt	The text label for the component.	string	null	admin	yes	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, default.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no,	string Also supports Expression	no	admin	no	sortState

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	ascending, and descending.	Language (EL) syntax.				
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
Width	The display length of the Search item in characters.	unsignedInt	null	null	no	columns
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# messageFileUpload

## Description

The messageFileUpload item style is a combination of the fileUpload and inlineMessage controls. The fileUpload control adds a widget that can be used to upload a file. Any form that contains this control must have attribute usesUpload set to true.

Corresponding web bean: OAMessageFileUploadBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
ID	The unique name of this component.	Name	null	null	no	id
Length	The display length in characters.	unsignedInt	null	null	no	columns
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Prompt	The text label for the component.	string	null	admin	yes	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, and default.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Virus Scan Enabled	Indicates if Virus Scan is enabled on file attachments.	boolean	false	admin	no	virusScanEnabled
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## messageInlineAttachment

### Description

The messageInlineAttachment item style is used to display attachments in a message bean.

Corresponding web bean: OAMessageInlineAttachmentBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Automatic Save	Indicates if automatic save is enabled.	boolean	false	null	no	autoCommitEnabled
Comments	Comments.	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Default Attachment Type	The default attachment type in the UI when adding	string	file	admin	no	defaultAttachmentType

	<p>new attachments.</p> <p><b>(Note:</b> You may select file, shortText, longText or url from the poplist of values. However, if the attachment type you select is disabled, then the following warning message displays:</p> <p>The Enable &lt;[Text/URL/File]&gt; Attachment property cannot be false when Default Attachment Type is set to &lt;[Text/URL/File]&gt;. Please set Enable &lt;[Text/URL/File]&gt; Attachment to true or change the Default Attachment Type to an enabled attachment type.</p>					
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	true	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	true	null	no	serverUnvalidated

Enable Document Catalog	Indicates if the Document Catalog is enabled for the component.	boolean	true	admin	no	enableDocumentCatalog
Enable File Attachment	Indicates if file attachments are allowed.	boolean	true	admin	no	enableFileAttachment
Enable Text Attachment	Indicates if text attachments are allowed.	boolean	true	admin	no	enableTextAttachment
Enable URL Attachment	Indicates if URL attachments are allowed.	boolean	true	admin	no	enableURLAttachment
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Inline Attachment Enabled	Indicates whether inline attachment capability is enabled or not.	boolean	null	admin	no	inlineAttachmentEnabled
Links Displayed	The number of attachments links displayed inline. Default value is 5 if not defined.	nonNegativeInteger	5	admin	no	numberAttachmentsDisplayed
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Prompt	The text label for the component.	string	Attachments	admin	yes	prompt
Render Search Region	Indicates if the search	boolean	true	null	no	searchRegionRendered

	region is rendered.					
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, and default.	ui:required	no	admin	no	required
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
View Instance	The name of the view object instance.	string	null	null	no	viewName

## Element Children

Name	Quantity	Description
entityMappings	1	Defines the entity and item relationships.

## entityMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Approval Function Name	Function Name for the approval process.	string	null	null	no	approvalFunctionName
Approval View Attribute	View Attribute to determine if approval process is required.	string	null	null	no	approvalViewAttr
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use

Comments	Comments.	string	null	null	no	comment
Delete Allowed	Indicates if the user can delete attachments from the current object.	boolean	true	null	no	deleteAllowed
Entity	The name of the attachment entity which defines the primary key relationships.	string	null	null	no	entityId
Insert Allowed	Indicates if new attachments can be created for this entity.	boolean	true	null	no	insertAllowed
Show All	Indicates if the user can view any attachment for the current object, regardless of category.	boolean	false	null	no	showAll
Update Allowed	Indicates if the user can edit the attachment content.	boolean	true	null	no	updateAllowed

## Element Children

Name	Quantity	Description
categoryMappings	0 through to 1	Defines the entity and category relationships.
primaryKeys	0 through to 1	Defines the primary keys.

## categoryMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Category	The attachment category name.	string	null	null	no	categoryName
Comments	Comments.	string	null	null	no	comment
Secured	Indicates if the object is secured by grants model.	boolean	false	admin	no	secured

## primaryKey

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
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Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

## messageLovChoice

### Description

The messageLovChoice item style is a hybrid between a messageLovInput and a messageChoice. Please refer to the messageLovInput and messageChoice sections for more information on all messageLovChoice properties.

Corresponding web bean: OAMessageLovChoiceBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType

Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
External LOV	The name of the external List of Values region.	jrad:componentRef	null	null	no	externalListOfValues
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
Initial Value	The initial (default) value of the item.	string	null	admin	no	defaultValue
List Personalization	Indicates if the user can personalize the LOV Choice list.	boolean	false	null	no	userEditableList
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Picklist Display Attribute	The view attribute that serves as the displayed value of choices.	string	null	null	no	pickListDispAttr
Picklist Value Attribute	The view attribute that serves as the internal value of choices.	string	null	null	no	pickListValAttr
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered

Required	Indicates if the user must enter a value and how that appears to the user. Two values are allowed: yes, no.	string	no	admin	no	required
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Legal values are middle, top, and bottom.	string	null	null	no	vAlign

View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## lovMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Criteria Item	The ID of the item in the base page that provides the criteria for the LOV.	jrad:localRef	null	null	no	criteriaFrom
LOV Region Item	The name of the item in the List Of Values region.	jrad:localRefString	null	null	no	lovItem
Programmatic Query	Indicates if the Criteria Item value will not be automatically applied to the LOV.	boolean	false	null	no	programmaticQuery
Required	Indicates if the item specified in the Criteria Item property must have a value.	boolean	false	null	no	requiredForLOV
Return Item	The name of the item in the base page that receives the result from the	jrad:localRef	null	null	no	resultTo

	LOV Region Item.					
Use for Validation	Indicates if the return item will always contain a value if a row from the LOV is selected. Legal values are default, yes, and no.	string	default	null	no	useForValidation

## messageLovInput

### Description

This item style is a combination of the lovInput and inlineMessage controls. Also see listOfValues. messageLovInput can have two or more lovMaps created under it, each with the Criteria Item property set. But if this property is set on more than one lovMap, when the user invokes an LOV, selects a value, then re-invokes, both criteria are used.

Note: Deleting the value from the search item will not enable the user to query all records from the LOV table's view objects.

Corresponding web bean: OAMessageLovInputBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER,	string	VARCHAR2	null	no	dataType

	BOOLEAN, and CLOB.					
Disable Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component.	jrad:refName	null	null	no	docName
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultipleSelection
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
External LOV	The name of the external List of Values region.	jrad:componentRef	null	null	no	externalListOfValues
Height	The display height in characters.	unsignedInt	1	null	no	rows
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are first, second, and third.	string	none	null	no	initSortSeq
Initial Value	The initial (default) value of the item.	string	null	admin	true	translatableDefaultValue
Length	The display length in characters.	unsignedInt	null	null	no	columns
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Look Ahead Enabled	Whether look-ahead capability is enabled or not.	boolean	null	admin	no	lookAheadEnabled

Look Ahead Records Displayed	Maximum number of records displayed in the look ahead window.	unsignedInt	50	admin	no	lookAheadRecords Displayed
Look Ahead Records Visible	The maximum number of records visible to a user in the look ahead window at any point in time.	unsignedInt	10	admin	no	lookAheadRecordsVisible
Look Ahead Search Type	Type of search to be performed.	anySimpleType	startsWith	admin	no	lookAheadSearchType
Look Ahead Selection Event Enabled	Whether server-side event to be generated on value selection.	boolean	true	null	no	lookAheadSelection EventEnabled
Maximum Length	The maximum number of characters per line that can be entered.	unsignedInt Also supports Expression Language (EL) syntax.	null	null	no	maximumLength
Minimum Characters For Look Ahead	Minimum number of characters required to initiate look ahead.	unsignedInt	null	admin	no	lookAheadMinChars
Maximum Number Of Selections	Maximum number of selections allowed for the search field.	unsignedInt	5	no	no	allowedNumOfOptions
MultiSelect Options Delimiter	Overrides the default delimiter for multiselection choice list.	free flow string	null	no	no	multiSelectOptions Delimiter
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Parent Filter ID	Parent filter that determines the rendering of the child filter.	string	empty string	no	no	parentFilterIdentifier
Placeholder Text	A short hint that describes the expected value of an input field.	string	null	admin	no	placeholder
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered

Required	Indicates if the user must enter a value and how that appears to the user. Legal values are yes, no, and validatorOnly.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
showRequired	N/A	boolean	false	null	no	showRequired
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageApp ShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Legal values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr

View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## lovMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments.	string	null	null	no	comment
Criteria Item	The ID of the item in the base page that provides the criteria for the LOV.	jrad:localRef	null	null	no	criteriaFrom
LOV Region Item	The name of the item in the List Of Values region.	jrad:localRefString	null	null	no	lovItem
Programmatic Query	Indicates if the Criteria Item value will not be automatically applied to the LOV.	boolean	false	null	no	programmaticQuery
Required	Indicates if the item specified in the Criteria Item property must have a value.	boolean	false	null	no	requiredForLOV
Return Item	The name of the item in the base page that receives the result from the LOV Region Item.	jrad:localRef	null	null	no	resultTo
Use for Validation	Indicates if the return item will	string	default	null	no	useForValidation

always contain a value if a row from the LOV is selected. Legal values are default, yes, and no.					
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## messageRadioButton

### Description

The messageRadioButton item style is a combination of the radioButton and inlineMessage controls.  
Corresponding web bean: OAMessageRadioButtonBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Checked Value	The value when checked.	string	null	null	no	checkedValue
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME,	string	VARCHAR2	null	no	dataType

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.					
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Group Name	The name of the Radio Group.	string	null	null	no	name
ID	The unique name of this component.	Name	null	null	no	id
Initial Value	The initial (default) value of the item.	string	null	admin	no	defaultValue
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value, and how that appears to the user. Three values are	ui:required	no	admin	no	required

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	allowed: yes, no, and default.					
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
Unchecked Value	The value when unchecked.	string	null	null	no	unCheckedValue
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# messageRadioGroup

## Description

The messageRadioGroup item style is a combination of the radioGroup and inlineMessage controls.

Corresponding web bean: OAMessageRadioGroupBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Server Side Validation	Indicates if validation should not occur on the business	boolean	false	null	no	serverUnvalidated

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	tier during a form submit.					
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
Initial Value	The initial (default) value of the item.	string	null	admin	no	defaultValue
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Picklist Display Attribute	The view attribute that serves as the displayed value of choices.	string	null	null	no	pickListDispAttr
Picklist Value Attribute	The view attribute that serves as the internal value of choices.	string	null	null	no	pickListValAttr
Picklist View Definition	The fully-qualified view object name for the picklist,	string	null	null	no	pickListViewDef

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	cached at the JVM level.					
Picklist View Instance	The view instance name for the picklist.	string	null	null	no	pickListViewName
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Two values are allowed: yes, no.	string	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
Sort Allowed	Indicates if the user can sort this column. Legal values are	string Also supports Expression	no	admin	no	sortState

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	yes, no, ascending, descending.	Language (EL) syntax.				
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, none.	string	none	admin	no	tipType
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# messageRatingBar

## Description

The messageRatingBar item style creates a rating bar component that allows users to rate a product, service or entity in an OA Framework-based page. Users may modify existing rating information or provide new rating information to an updatable rating bar, whereas they may only view existing rating information for a read-only rating bar.

Corresponding web bean: OAMessageRatingBarBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Add Blank Value (In Release 12.2.2, this property is not implemented.)	Adds an empty value to the choice list if it is not Required	boolean	true	admin	no	allowBlankValue
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL,	string	VARCHAR2	null	no	dataType

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	NUMBER, BOOLEAN, and CLOB.					
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
Initial Value	The initial (default) value of the item.	string	null	admin	no	defaultValue
Long Tip Region	The fully-qualified reference to the long tip region.	jrads:refName	null	admin	no	longTipRegion
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Picklist Display Attribute	The view attribute that serves as the displayed value of choices.	string	null	null	no	pickListDispAttr
Picklist Value Attribute	The view attribute that serves as the	string	null	null	no	pickListValAttr

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	internal value of choices.					
Picklist View Definition	The fully-qualified view object name for the picklist, cached at the JVM level.	string	null	null	no	pickListViewDef
Picklist View Instance	The view instance name for the picklist.	string	null	null	no	pickListViewName
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Two values are allowed: yes, no.	string	no	admin	no	required
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Security Mode	Defines the security mode used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are standard and selfSecured.	string	standard	null	no	securityMode
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
Sort Allowed	Indicates if the user can sort this column.	string	no	admin	no	sortState

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	Legal values are yes, no, ascending, descending.	Also supports Expression Language (EL) syntax.				
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges

# messageRichTextEditor

## Description

The messageRichTextEditor item style provides a rich text editing capability. It can be placed in any region except search regions or tables. It allows users to author, edit and view rich text content. The messageRichTextEditor item style extends messageTextInput and can be used to provide rich text editing capabilities as required. Also see messageTextInput section.

Corresponding web bean: OAMessageRichTextEditorBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Alignment Icons	Indicates if the left, center, and right alignment icons are displayed.	boolean	false	null	no	alignmentGroup
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Bullet Icons	Indicates if the bullet icons are displayed.	boolean	true	null	no	bulletGroup
ClickThru Destination URI	The URI launched from the Click Thru Destination icon. If empty, no icon is shown.	string	null	null	no	clickThruDestinationUri
Comments	Comments	string	null	null	no	comment
Create Hyperlink Icon	Indicates if the create hyperlink icon is displayed.	boolean	false	null	no	hyperlinkButton

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Data Type	The type of data. Legal values are VARCHAR2 and CLOB.	string	VARCHAR2	null	no	dataType
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Edit Icons	Indicates if the cut, copy and paste icons are displayed.	boolean	true	null	no	editGroup
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Font Bar	Indicates if the font bar is displayed.	boolean	false	null	no	fontBar
Image Upload URI	The URI launched from the insert image icon. If empty, no icon is shown.	string	null	null	no	imageUploadUri
Indentation Icons	Indicates if the indentation icons are displayed.	boolean	false	null	no	indentationGroup
Long Tip Region	The fully-qualified reference to the long tip region.	string	null	admin	no	longTipRegion
Maximum Length	The maximum number of characters that can be entered in the editor.	unsignedInt Also supports Expression Language (EL) syntax.	null	null	no	maxLength

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Plain Text Mode Height	The display height of the text mode editor in characters.	unsignedInt	null	admin	no	textModeDisplayHeight
Plain Text Mode Length	The display length of the text mode editor in characters.	unsignedInt	null	admin	no	textModeDisplayLength
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value, and how that appears to the user.	string	no	admin	no	required
Rich Text Mode Height	The display height of the rich text editor in pixels or % of the container.	string	null	admin	no	richTextModeDisplayHeight
Rich Text Mode Length	The display length of the rich text editor in pixels or % of the container.	string	null	admin	no	richTextModeDisplayLength
showRequired	N/A	boolean	false	null	no	showRequired
Style Icons	Indicates if the bold, italic and underline icons are displayed.	boolean	true	null	no	styleGroup
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Tip Type	The type of tip.	string	none	admin	no	tipType
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName

## messageSpinBox

### Description

The messageSpinBox item style is a combination of the textInput and inlineMessage controls.

Corresponding web bean: OAMessageSpinBoxBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Height	The display height in characters.	unsignedInt	1	null	no	rows
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Initial Value	The initial (default) value of the item.	string	null	admin	true	translatableDefaultValue
Length	The display length in characters.	unsignedInt	null	admin	no	columns
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Maximum Length	The maximum number of characters per line that can be entered.	unsignedInt Also supports Expression Language (EL) syntax.	null	null	no	maxLength
Maximum Value	Maximum value the user can input.	decimal <b>(Note:</b> Although OA Extension Declarative Implementation only supports integer type input for this property, this web bean can be used with double and long type inputs in code.)	null	admin	no	maxValue
Minimum Value	Minimum value the user can input.	decimal <b>(Note:</b> Although OA Extension Declarative Implementation only supports integer type input for this property, this web bean can be used with double and long type inputs in code.)	null	admin	no	minValue
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Placeholder Text	A short hint that describes the expected value of an input field.	string	null	admin	no	placeholder
Prompt	The text label for the component.	string	null	admin	yes	prompt

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, and validatorOnly.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	grad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Secret	Indicates if the value is visually concealed.	boolean	false	no	no	secret
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria
showRequired		boolean	false	null	no	showRequired
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Step Size	The value that is added/ subtracted to the current value when the user clicks on increment/ decrement.	decimal <b>(Note:</b> Although OA Extension Declarative Implementation only supports integer type input for this property,	1	admin	no	stepSize

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
		this web bean can be used with double and long type inputs in code.)				
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# messageStyledText

## Description

The messageStyledText item style is a combination of the styledText and inlineMessage controls.

Corresponding web bean: OAMessageStyledTextBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. It should be either fireAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	true	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	no	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Destination URI	The destination URI.	uriReference	null	null	no	destination
Disable Operators	Disable operators picklist for the	boolean	null	null	no	disableOperators

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	filter in List Search.					
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Document Name	The name of the component	jrads:refName	null	null	no	docName
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultipleSelection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRangeSelection
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Height	The display height of the Search item in characters.	unsignedInt	null	null	no	rows
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
Long Tip Region	The fully-qualified reference to the long tip region.	jrads:refName	null	admin	no	longTipRegion
Maximum Length	The number of characters a user can enter as search criteria for this field in a	unsignedInt Also supports Expression Language (EL) syntax.	null	admin	no	maximumLength

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	results-based (automatic) search.					
MultiSelect Options Delimiter	Overrides the default delimiter for the multi-selection choice list.	string	null	no	no	multiSelectOptions Delimiter
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Popup Enabled	Indicates whether the pop-up is enabled.	boolean	false	admin	no	popupEnabled
Popup ID	The unique name of the pop-up.	string	null	admin	no	popupId
Popup Render Event	Indicates on what action type the event is to be rendered for the pop-up.	string	onClick	admin	no	popupRenderEvent
Prompt	The text label for the component.	string	null	admin	yes	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Three values are allowed: yes, no, default.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Selective Search Criteria	Indicates if the item is part of a group of items, one of which must be included in the search.	boolean	false	admin	no	selectiveSearchCriteria

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageApp ShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	no	no	userCustomizable
Vertical Alignment	Vertical alignment. Acceptable values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with	boolean	true	null	no	warnAboutChanges

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	the current action.					
Width	The display length of the Search item in characters.	unsignedInt	null	null	no	columns
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## messageTextInput

### Description

The messageTextInput item style is a combination of the textInput and inlineMessage controls.

Corresponding web bean: OAMessageTextInputBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard navigation or activation.	string	null	admin	no	accessKey
Action Type	The action type to fire for the component. Legal values are fireAction, firePartialAction, and none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE,	string	VARCHAR2	null	no	dataType

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	DATETIME, BIGDECIMAL, NUMBER, BOOLEAN,CLOB.					
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Operators	Disable operators picklist for the filter in List Search.	boolean	null	null	no	disableOperators
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component.	jrads:refName	null	null	no	docName
Enable Facet	Enables relative date range support for date fields under query bean.	functional	null	admin	no	enableFacet
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultipleSelection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRangeSelection
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Facet	Renders the search filter in a facet mode with facet options.					
Height	The display height in characters.	unsignedInt	1	null	no	rows
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Initial Value	The initial (default) value of the item.	string	null	admin	true	translatableDefaultValue
Length	The display length in characters.	unsignedInt	null	admin	no	columns
Long Tip Region	The fully-qualified reference to the long tip region.	jrad:refName	null	admin	no	longTipRegion
Maximum Length	The maximum number of characters per line that can be entered.	unsignedInt Also supports Expression Language (EL) syntax.	null	null	no	maxLength
MultiSelect Options Delimiter	Overrides the default delimiter for the multi-selection choice list.	string	null	no	no	multiSelectOptionsDelimiter
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Placeholder Text	A short hint that describes the expected value of an input field.	string	null	admin	no	placeholder
Prompt	The text label for the component.	string	null	admin	yes	prompt
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value and how that appears to the user. Legal values are yes, no, and validatorOnly.	ui:required	no	admin	no	required
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Secret	Indicates if the value is visually concealed.	boolean	false	no	no	secret
Selective Search Criteria	Indicates if the item is part of a group of items, one	boolean	false	admin	no	selectiveSearchCriteria

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	of which must be included in the search.					
showRequired	Shows if item is required.	boolean	false	null	no	showRequired
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageApp ShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip. Legal values are dateFormat, longMessage, shortTip, and none.	string	none	admin	no	tipType
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Vertical Alignment	Vertical alignment. Legal values are middle, top, and bottom.	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges
xml:lang	Identifies the language contained	optional	null	null	no	xml:lang

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	within this component.					

## Element Children

Name	Quantity	Description
facet	1	Renders the search filter in a facet mode with facet options.

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Date Facet Allow Day Period Format	Specifies if day period format is allowed in the facet.	functional	null	no	no	dateFacetAllowDayPeriodFormat
Date Facet Allow Month Period Format	Specifies if month period format is allowed in the facet.	functional	null	no	no	dateFacetAllowMonthPeriodFormat
Date Facet Allow Year Period Format	Specifies if year period format is allowed in the facet.	functional	null	no	no	dateFacetAllowYearPeriodFormat

## Element Children

Name	Quantity	Description
facetOption	1	Renders the search filter in a facet mode with facet options.

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Date Facet Option User Text	This is the facet option's text displayed in the user interface.	functional	empty	no	no	dateFacetOptionUserText
Date Facet Option Start Period	Indicates the lower end of the range for relative date search.	functional	empty	no	no	dateFacetOptionStartPeriod
Date Facet Option End Period	Indicates the higher end of the	functional	empty	no	no	dateFacetOptionEndPeriod

	range for relative date search.					
dateFacetOptionEnabled	Indicates if the date facet option is available for the end user to filter records.	functional	true	admin	no	Date Facet Option Enabled
Date Facet Option Period Format	Indicates the format used for search. It can be based on months, days or year.	functional	days	no	no	dateFacetOptionPeriodFormat

## multipleSelection

### Description

When used as the tableSelection child of a table or Gantt chart, this style implements multiple selection.  
Corresponding web bean: OAMultipleSelectionBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Text	The text label for the component.	string	Select Object	admin	yes	text
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## pageLayout

### Description

The pageLayout region is a high-level layout element that is a template for the entire page. It supports several navigation and content areas for the creation of pages.

Page-level components like corporate branding, gesture maps, global buttons, global headers, and privacy and copyright statements are contained under the OAPageLayoutBean.

Corresponding web bean: OAPageLayoutBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	no	no	adminCustomizable
AM Definition	The fully-qualified class name for the application module.	string	null	null	no	amDefName
AM State Required	Indicates if an error will be displayed when navigating to the page and an Application Module is not found.	boolean	false	null	no	amStateRequired

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Application Menu	The menu to render with the page.	string	null	null	no	appMenu
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Auto Footer	Indicates if standard copyright and privacy named children are added automatically.	boolean	true	null	no	autoFooter
Browser Caching Disabled	Sets whether this page can be cached at the browser or proxy server or not.	boolean	null	admin	no	browserCachingDisabled
Comments	Comments.	string	null	null	no	comment
Controller Class	The fully-qualified class name for the controller object.	string	null	admin	no	controllerClass
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	Name of the component.	jrads:refName	null	null	no	docName
Documentation Comment	Formatted text for use with Javadoc.	string	from template file	null	no	not applicable
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
File Version	The version of the file.	string	null	null	no	file-version
Form	Indicates if all child elements are embedded inside an HTML form element.	boolean	true	null	no	addForm
Function Name	The function that secures the region.	string	null	null	no	function

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Global Menu	The name of the Global Menu.	string	null	null	no	globalMenu
Help Target	The target name for the page online help.	string	null	admin	no	helpTarget
Help Target Appl Short Name	This application will be used to construct URI of the help icon in the global menu of the page. This makes the help pages from the other applications referenceable.	string	null	admin	no	helpTargetAppShortName
ID	The unique name of this component.	Name	null	null	no	id
OA Extension Version	The Oracle Applications Extension version with which the file was created or updated.	jrad:version	null	null	no	version
Page Menu	The menu name for the page.	string	null	null	no	pageMenu
Personalization Label	The region label used for Personalization.	string	null	null	no	regionName
Post Initial Values	Indicates if rows which are made dirty only by the defaulting of Initial Values are to be posted.	boolean	false	null	no	postDefault
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Security Mode	Defines the security mode	string	standard	null	no	securityMode

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	used to secure the region. If set to selfSecured it is the developer's responsibility to handle security validation. Legal values are <b>standard</b> , and selfSecured.					
Show Quick Links	Indicates if Quick Links within the page are rendered automatically.	boolean	false	null	no	quickLinksShown
Title	The title of the region.	string	null	null	no	title
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	false	null	no	warnAboutChanges
Window Title	The title of the window.	string	null	admin	true	windowTitle
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## Element Children

Name	Quantity	Description
contentFooter	0 through to 1	The content footer region of the page.
copyright	0 through to 1	Node to use as a copyright statement.
corporateBranding	0 through to 1	The corporate branding region of the page. This section typically contains a medium size image of the logo of the company owning the page.
flexibleContents	0 through to 1	Flexible contents.
footnote	0 through to 1	The footnote region. This region provides a location for page-level status that is ancillary to the user's task.

gestureMap	0 through to 1	Contains the gesture maps associated with the page.
hideShowSubTabLayout	0 through to 1	The HideShowSubTabLayout region of the page.
inContextBranding	0 through to 1	The inContext branding region of the page. This section typically contains formatted text indicating that one context exists between the persistent tabs.
location	0 through to 1	The locator region of the page.
pageStatus	0 through to 1	The page-level status and/or key notation region. This region provides a location for page-level status that is important to the user's task.
privacy	0 through to 1	Node to use as a privacy statement.
productBranding	0 through to 1	The product branding region of the page. This section typically contains an image of the product logo.
quickSearch	0 through to 1	The quick search region of the page.
returnNavigation	0 through to 1	The return to link at the bottom of the page.
userInfo	0 through to 1	The user information region.

## gestureMap

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
binding	binding	string	null	null	no	binding
nodeID	nodeID	string	null	null	no	nodeID
refID	refID	string	null	null	no	refID
refType	refType	string	null	null	no	refType
rendered	rendered	boolean	true	null	no	rendered
transient	transient	boolean	false	null	no	transient

## gesture

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
binding	binding	string	null	null	no	binding
Comments	Comments	string	null	null	no	comment
Gesture Name	The name of gesture to be associated.	string	null	null	no	gestureName
ID	The unique name of this component.	Name	null	null	no	id
nodeID	nodeID	string	null	null	no	nodeID
refID	refID	string	null	null	no	refID
refType	refType	string	null	null	no	refType
rendered	rendered	boolean	true	null	no	rendered

Target Bean Attribute	The Attribute of the target bean which holds the event definition to be triggered.	string	null	null	no	targetBeanAttribute
Target Bean Id	Id of the target bean present on the page, whose attribute needs to be associated with the selected gesture.	string	null	null	null	targetBeanId
transient	transient	boolean	false	null	no	transient

## primaryKey

Choose the parent node below to view the help topic for primaryKey:

[attachmentImage](#)

[attachmentLink](#)

[attachmentTable](#)

[messageInlineAttachment](#)

## rawText

## Description

The rawText item style supports output of unescaped text. Use of this class means assuming full responsibility for generating proper HTML. Clients should strongly consider using elements in the HTML namespace instead of this class. In particular, this class does not attempt to encode or escape characters for NLS or HTML compliance.

Corresponding web bean: `OARawTextBean`

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2,	string	VARCHAR2	null	no	dataType

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.					
Document Name	The name of the component	jrad:refName	null	null	no	docName
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Text	The text label for the component.	string	null	admin	yes	text
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## resetButton

### Description

The resetButton item style creates a push button which will reset the content of a form.

Corresponding web bean: OAResetButtonBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	null	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator	boolean	true	admin	no	adminCustomizable

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	can personalize this component.					
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Horizontal Alignment	Horizontal alignment. Legal values are center, left, right, start, end.	string	start	null	no	hAlign
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
Text	The text label for the component.	string	null	admin	yes	text
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# richContainer

## Description

Used to create a container for external rich content in an OAF page or iframe. Accepts a URL or URI. Exposes parameters set by the OAF application and passed to the rich content URL. Extends flowLayout and inherits all attributes from it.

Corresponding web bean: OARichContainerBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Content Type	Indicates the type of content to embed.	anySimpleType	OBIEE	admin	no	richContentType
Destination Function	The developer name of the FND function used to secure the embedded content or widget.	anyURI	null	admin	no	invokeFunc
Height	The display height in pixels.	string	null	admin	no	height
ID	The unique name of this component.	Name	null	null	no	id
Name	The display name of the content.	string	null	admin	yes	name
Parameters	The parameters that can be passed to the embedded content as a list of comma-	string	null	admin	yes	richParameters

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	separated, name-value pairs.					
Title	The title of the region.	string	Default value based on content type selected, otherwise null: <ul style="list-style-type: none"> <li>• OBIEE Content</li> <li>• Endeca Content</li> <li>• Others Content</li> </ul>	admin	yes	title
View Instance	The name of the view object instance.	string	null	null	no	viewName
Width	Indicates the width in pixels or as a percentage (if % sign included).	string	null	null	no	width

## richTextEditor

### Description

Note: The richTextEditor item style is now deprecated. Use messageRichTextEditor instead. richTextEditor provides a rich text editing capability. It can be placed in any region except search regions or tables. It allows users to author, edit and view rich text content. richTextEditor extends messageTextInput and can be used to provide rich text editing capabilities as required.

Corresponding web bean: OARichTextEditorBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Alignment Icons	Indicates if the left, center, and	boolean	false	null	no	alignmentIcons

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	right alignment icons are displayed.					
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Bullet Icons	Indicates if the bullet icons are displayed.	boolean	true	null	no	bulletIcons
ClickThru Destination URI	The URI launched from the Click Thru Destination icon. If empty, no icon is shown.	string	null	null	no	clickThruDestinationUri
Comments	Comments	string	null	null	no	comment
Create Hyperlink Icon	Indicates if the create hyperlink icon is displayed.	boolean	false	null	no	hyperlinkIcon
Data Type	The type of data. Legal values are VARCHAR2 and CLOB.	string	VARCHAR2	null	no	dataType
Edit Icons	Indicates if the cut, copy and paste icons are displayed.	boolean	true	null	no	editIcons
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Font Bar	Indicates if the font bar is displayed.	boolean	false	null	no	fontBar
Image Upload URI	The URI launched from the insert image icon. If empty, no	string	null	null	no	imageUploadUri

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	icon is shown.					
Indentation Icons	Indicates if the indentation icons are displayed.	boolean	false	null	no	indentationIcons
Initial Value	The initial (default) value of the item.	string	null	admin	yes	translatableDefaultValue
Long Tip Region	The fully-qualified reference to the long tip region.	string	null	admin	no	longTipRegion
Maximum Length	The maximum number of characters that can be entered in the editor.	unsignedInt Also supports Expression Language (EL) syntax.	null	null	no	maxLength
Plain Text Mode Height	The display height of the text mode editor in characters.	unsignedInt	null	null	no	textModeDisplayHeight
Plain Text Mode Length	The display length of the text mode editor in characters.	unsignedInt	null	null	no	textModeDisplayLength
Read Only	Indicates if the value can be changed.	boolean	false	admin	no	readOnly
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Required	Indicates if the user must enter a value, and how that appears to the user.	string	no	admin	no	required
Rich Text Mode Height	The display height of the rich text editor in pixels or % of the container.	string	null	null	no	richTextModeDisplayHeight
Rich Text Mode Length	The display length of the	string	null	null	no	richTextModeDisplayLength

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	rich text editor in pixels or % of the container.					
showRequired	N/A	boolean	false	null	no	showRequired
Style Icons	Indicates if the bold, italic and underline icons are displayed.	boolean	true	null	no	styleIcons
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
Tip Type	The type of tip.	string	none	admin	no	tipType
Vertical Aligment	Vertical alignment	string	null	null	no	vAlign
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName

## selectionButton

### Description

The selectionButton item style creates specific submit buttons. It can be created only under a singleSelection or multipleSelection named child in a table region.

Please refer to the submitButton section for more information on all submitButton properties.

Corresponding web bean: OASelectionButtonBean

### Properties

(Note: Pers = Personalizable, Trans = Translatable)

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
Action Type	The action type to fire for the component. It should be either	string	none	null	no	primaryClientAction

Name	Description	Type	Default Value	Pers	Trans	XML Attribute
	fireAction, firePartialAction or none.					
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrads:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
Horizontal Alignment	Horizontal alignment. Legal values are center, left, right, start, and end.	string	start	null	no	hAlign
ID	The unique name of this component.	Name	null	null	no	id
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Text	The text label for the component.	string	null	admin	yes	text
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable

# separator

## Description

The separator item style creates a horizontal separator.

Corresponding web bean: OASeparatorBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrad:scope	.	null	no	scope
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# servletInclude

## Description

The servletInclude item style allows you to includes HTML content loaded from a local Servlet or JSP under the parent region.

Corresponding web bean: OAServletIncludeBean

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Source URI	The relative servlet URI.	uriReference	null	admin	no	source
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# singleSelection

## Description

When used as the tableSelection child of a table or Gantt chart, this style implements single selection.

Corresponding web bean: OASingleSelectionBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Row Header Col	Indicates if Scope attribute is to be added to table.	unsignedInt	null	admin	no	rowheadercol
Text	The text label for the component.	string	Select Object	admin	yes	text
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## spacer

### Description

The spacer item style inserts empty space in a page. SpacerBeans occupy a fixed amount of space in an HTML layout.

Corresponding web bean: OASpacerBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
Height	The display height in pixels.	string	1	null	no	height
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to	jrad:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	reuse this component.					
Width	Indicates the width in pixels.	string	null	null	no	width
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## staticStyledText

### Description

The staticStyledText item style extends styledText. All attributes supported by styledText are inherited by staticStyledText. See the section on styledText for a list of attributes available on the styledText element.

Corresponding web bean: OASstaticStyledTextBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Action Type	The action type to fire for the component. It should be either fireAction or none.	string	none	null	no	primaryClientAction
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Destination URI	The destination URI.	uriReference	null	null	no	destination
Disable Operators	Disable operators picklist for the filter in List Search.	boolean	null	null	no	disableOperators
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Enable Multiple Selection	Allows selection of multiple options from the choice.	boolean	null	no	no	enableMultiple Selection
Enable Range Selection	Allows the field to work as a range selector.	boolean	null	no	no	enableRange Selection
Export View Attribute	The alternative view attribute for use when exporting.	string	null	admin	no	exportByViewAttr
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, and third.	string	none	null	no	initSortSeq
MultiSelect Options Delimiter	Overrides the default delimiter for the multi-selection choice list.	string	null	no	no	multiSelectOptions Delimiter
Message Appl Short Name	The application short name that owns the message.	string	null	admin	no	messageApp ShortName
Message Name	The name of the message.	string	null	admin	no	messageName

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Prompt	The text label for the component.	string	null	admin	true	prompt
Search Allowed	Indicates if the item will be shown in the search panels.	boolean	false	admin	no	queryable
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	true	null	no	warnAboutChanges

## styledText

### Description

The styledText item style supports styled text and links.

Corresponding web bean: OASyledTextBean

# Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Destination URI	The destination URI.	uriReference	null	null	no	destination
Document Name	The name of the component	jrad:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Initial Sort Sequence	Indicates the initial sort sequence for each search. Legal values are none, first, second, third.	string	none	null	no	initSortSeq
Rendered	Indicates if the component is rendered.	boolean	null	user	no	rendered
Scope	The Base Packages which	jrad:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
	are allowed to reuse this component.					
Sort Allowed	Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.	string Also supports Expression Language (EL) syntax.	no	admin	no	sortState
Sort By View Attribute	The alternative view attribute name for use when sorting.	string	null	null	no	sortByViewAttr
Text	The text label for the component.	string	null	admin	yes	text
Total Value	Indicates if an additional field should be displayed to show the total of this column.	boolean	false	user	no	totalValue
View Attribute	The name of the view attribute.	string	null	null	no	viewAttr
View Instance	The name of the view object instance.	string	null	null	no	viewName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## submitButton

### Description

The submitButton item style creates a push button which allows submission of forms. The destination attribute of a submit button is ignored. Instead, the destination of the form is used.

Corresponding web bean: OASubmitButtonBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Access Key	The character used for quick keyboard	string	null	admin	no	accessKey

	navigation or activation.					
Action Type	The action type to fire for the component. It should be either fireAction, firePartialAction or none.	string	none	null	no	primaryClientAction
Additional Text	Additional help text.	string	null	admin	yes	shortDesc
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Data Type	The type of data. Legal values are VARCHAR2, DATE, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN, and CLOB.	string	VARCHAR2	null	no	dataType
Destination Function	The function to invoke.	string	null	admin	no	invokeFunc
Disable Client Side Validation	Indicates if validation should not occur on the web tier during a form submit.	boolean	false	null	no	unvalidated
Disable Server Side Validation	Indicates if validation should not occur on the business tier during a form submit.	boolean	false	null	no	serverUnvalidated
Disabled	Indicates if the element is disabled.	boolean	false	null	no	disabled
Document Name	The name of the component	jrad:refName	null	null	no	docName
Event	Name of the event.	string	null	null	no	event
Extends	A reference to another component that	jrad:componentRef	null	null	no	extends

	creates a different instance of that component at runtime.					
Horizontal Alignment	Horizontal alignment. Legal values are center, left, right, start, end.	string	start	null	no	hAlign
ID	The unique name of this component.	Name	null	null	no	id
No Wrap	Indicates if cell contents should be wrapped.	boolean	false	null	no	cellNoWrapFormat
Prompt	The text label for the component.	string	null	admin	true	prompt
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope
Text	The text label for the component.	string	null	admin	yes	text
User Personalization	Indicates if a user can personalize this component.	boolean	false	admin	no	userCustomizable
View Instance	The name of the view object instance.	string	null	null	no	viewName
Warn About Changes	Warns the user if there are pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action.	boolean	false	null	no	warnAboutChanges
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

# tip

## Description

The tip item style provides page or section level hints to the user.

Typically, the only indexed child of the tip will be a `TextNode`, but as many children as necessary can be added and will be laid out as with a `FlowLayout`.

Corresponding web bean: `OATipBean`

## Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an Administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrads:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
CSS Class	Overrides the default CSS class.	string	null	admin	no	styleClass
Document Name	The name of the component	jrads:refName	null	null	no	docName
Extends	A reference to another component that creates a different instance of that component at runtime.	jrads:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Scope	The Base Packages which are allowed to reuse this component.	jrads:scope	.	null	no	scope

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Text	The text label for the component.	string	null	admin	true	text
Tip Message Appl Short Name	The application short name that owns the tip message.	string	null	admin	no	tipMessageAppShortName
Tip Message Name	The name of the tip message.	string	null	admin	no	tipMessageName
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

## urlInclude

### Description

The urlInclude item style allows you to include HTML content loaded from an external source under the parent region.

Corresponding web bean: OAUrIncludeBean

### Properties

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Admin Personalization	Indicates if an administrator can personalize this component.	boolean	true	admin	no	adminCustomizable
Attribute Set	The attribute set for the component.	jrad:attributeSetRef	null	null	no	use
Comments	Comments	string	null	null	no	comment
Extends	A reference to another component that creates a different instance of that component at runtime.	jrad:componentRef	null	null	no	extends
ID	The unique name of this component.	Name	null	null	no	id

Name	Description	Type	Default Value	Personalizable	Translatable	XML Attribute
Rendered	Indicates if the component is rendered.	boolean	true	user	no	rendered
Source URI	The relative/absolute URI.	uriReference	null	admin	no	source
xml:lang	Identifies the language contained within this component.	optional	null	null	no	xml:lang

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