

# **Oracle® E-Business Suite**

Oracle Application Framework  
Component Reference Guide

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# Part 1

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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

---

### 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: OAAAdvancedSearchBean

#### 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 OAAdvancedTableBean:

```
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: OAAdvancedTableBean

# 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 | 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             |
| 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 | 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 Horizontal Scroll             | Enable horizontal scroll bars.                                                                                                                                | boolean      | true               | admin | no | horizontalScrollEnabled    |
| 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 | translationEditorEnabled   |
| 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 | enableUserControlOnColumns |

|                               |                                                                                                                                                                      |                   |       |       |    |                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|-------|----|----------------------------|
|                               | 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.                                                                                                                            | jrads: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.                                       | 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 | jrad: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<br>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 UINode 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.<br>Legal values are standard, selfSecured.                                                                   |          |               |                |              |               |
| Vertical Alignment | Vertical alignmnet.<br>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.                                                                     | 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 |
| 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.                                                                                                                                 | 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 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.                                                                                                                                                                                  | jrads: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                                                                                                                                                                                             | 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           |
| 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                                                                                                                                                     | 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        |
| 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.                                                                                                  | 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   |
| 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  |
| 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.                                                                                              | jrad: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.                                                                     | jrad: 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      |
| Progress Bar Color View Attribute<br>Category: BC4J | The view attribute for the color of the progress bar in the format #000000, rgb(0, 0, 0), or var(--oj-core-danger-3).                                                | string             | true (allow empty) | admin | no | progressBarColorAttr     |
| 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 Color View Attribute<br>Category: BC4J | The view attribute for the color of the task, in the format #000000, rgb(0, 0, 0), or var(--oj-core-danger-3).                                                                            | string  | true (allow empty) | admin | no | taskColorAttr         |
| 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 lay out graphs that are essentially BI Beans and a UIX table. It does so by extending `tableLayout`, from which it inherits all the attributes and children. The `graphTable` region 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.                                              | 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             |
| Enable Correlated Graph | Used to enable correlated graph. Zoom or scroll on one component of the graph and | boolean               | false         | admin          | no           | enableCorrelated Graph |

|                             |                                                                                                                                                                     |                   |          |      |    |                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------|------|----|-------------------------|
|                             | the others will update with it.                                                                                                                                     |                   |          |      |    |                         |
| 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.<br>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 other applications referenceable. | string            | null     | null | no | helpTargetApp ShortName |
| 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                                                                                                             | string            | standard | null | no | securityMode            |

|                    |                                                                                                                                      |         |       |      |    |              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------|-------|------|----|--------------|
|                    | set to selfSecured it is the developer's responsibility to handle security validation.<br>Legal values are standard and selfSecured. |         |       |      |    |              |
| 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.<br>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           | Fully-qualified class name for the                                                         | string  | null          | null           | no           | amDefName         |

| Name                      | Description                                                                                      | Type              | Default Value        | Personalizable | Translatable | XML Attribute      |
|---------------------------|--------------------------------------------------------------------------------------------------|-------------------|----------------------|----------------|--------------|--------------------|
|                           | application module.                                                                              |                   |                      |                |              |                    |
| AM Instance               | Instance name of an application module.                                                          | string            | null                 | null           | no           | amUsageName        |
| Attribute Set             | Instance name of an application module.                                                          | string            | jrad: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           | 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      | Enables the data marker to be displayed or hidden.<br>Legal values are true and false.           | 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            |

| Name                                  | Description                                                                                                                                                                                                                                                                                                                            | Type        | Default Value          | Personalizable | Translatable | XML Attribute                     |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------|----------------|--------------|-----------------------------------|
| Graph Type                            | The type of the graph.<br>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                            |
| Marker Legend Section Title           | Used to configure the marker legend section title.                                                                                                                                                                                                                                                                                     | string      | null                   | admin          | no           | markerLegendSectionTitle          |
| Rendered                              | Indicates if the component is rendered.                                                                                                                                                                                                                                                                                                | boolean     | true                   | user           | no           | rendered                          |
| Reference Object Legend Section Title | Title of the reference object legend section.                                                                                                                                                                                                                                                                                          | string      | true                   | user           | yes          | referenceObjectLegendSectionTitle |
| Scope                                 | Base packages that are allowed to reuse this component.                                                                                                                                                                                                                                                                                | jrads:scope | .                      | null           | no           | scope                             |
| Secondary Data Axis Label             | Label for the secondary data axis.                                                                                                                                                                                                                                                                                                     | string      | null                   | user           | true         | secYAxisLabel                     |

| Name                        | Description                                                                                     | Type     | Default Value | Personalizable | Translatable | XML Attribute             |
|-----------------------------|-------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|---------------------------|
| Series Section Legend Title | Title of the legend series section.                                                             | string   | null          | admin          | yes          | seriesSection LegendTitle |
| Size                        | Size of the graph.<br>Legal values are very-small, small, medium, large, and custom.            | string   | small         | user           | no           | size                      |
| Title                       | 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 width in pixels, applicable only if size=custom. User personalizable from Release 12.2.9. | string   | null          | null           | no           | width                     |
| X-Axis Label                | 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 group of graphData elements. |

## graphData

| Name                   | Description                                | Type                  | Default Value | Personalizable | Translatable | XML Attribute   |
|------------------------|--------------------------------------------|-----------------------|---------------|----------------|--------------|-----------------|
| Attribute Set          | Attribute set for the component.           | jrads:attributeSetRef | null          | null           | no           | use             |
| Combination Graph Type | The type of graph for a combination graph. | string                | none          | null           | no           | comboGraph Type |

|                             |                                                                                                                                                                              |        |       |       |      |                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-------|------|------------------------|
|                             | Legal values are bar, line, area, and none.                                                                                                                                  |        |       |       |      |                        |
| Comments                    | Comments.                                                                                                                                                                    | string | null  | null  | no   | comment                |
| Custom Tip Attribute List   | Used to configure the list of data items in the tooltip. The multiple pipe-separated view attribute is configurable.                                                         | string | null  | null  | no   | customToolTipList      |
| Custom Tip Label List       | Used to label the each configured data items in the Custom Tip Attribute List property. Labels must be pipe-separated, and the number of labels and data items must be same. | string | null  | null  | yes  | customToolTipLabelList |
| Line Width                  | Width of the line reference object.                                                                                                                                          | number | 3     | null  | no   | lineWidth              |
| Line Style                  | Line style of the line reference object. Legal values are dashed, dotted, solid.                                                                                             | string | solid | null  | no   | lineStyle              |
| Line Type                   | Line type of the data line or area. Legal values are auto, none, centeredSegmented, centeredStepped, curved, segmented, stepped, straight.                                   | string | auto  | null  | no   | lineType               |
| Marker Type View Attribute  | Represents the type of marker on the graph.                                                                                                                                  | string | null  | null  | no   | markerTypeViewAttr     |
| Marker Color View Attribute | Color of the data markers, if different from the series.                                                                                                                     | string | null  | null  | no   | markerColorViewAttr    |
| Marker Shape View Attribute | Shape of the data markers. Legal values are circle, diamond, human, plus, square, star, triangleDown, triangleUp, auto, string.                                              | string | null  | null  | no   | markerShapeViewAttr    |
| 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                |

|                             |                                                                                        |         |       |      |    |                          |
|-----------------------------|----------------------------------------------------------------------------------------|---------|-------|------|----|--------------------------|
| Reference Object Line Color | Color of the reference object line.<br>Legal values are hexadecimal color codes.       | string  | true  | no   | no | referenceObjectLineColor |
| Secondary Axis              | Indicates if this graphData is plotted on the secondary axis.                          | boolean | false | user | no | assignedToY2             |
| Stock Value Type            | Stock Type Value to use for the graph.<br>Legal values are high, low, close, and none. | string  | none  | null | no | stockValue               |
| View Attribute              | Name of the view attribute.                                                            | string  | null  | null | no | viewAttr                 |
| View Instance               | 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. Note: 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. | jrads: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 `OAMinfotileBean`. 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: `OAMinfotileBean`

### 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.                                                                               | 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                                                                                                                                | 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.                                                                                                                           | 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    |
| 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.                                                                                                     | 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   |
| 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  |
| 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.                                                                                          | jrads: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 = 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         |
| 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 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.                                                             | jrad: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                                                                        | 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           |
| 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.                          | jr: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.                                                | 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       |
| 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           |
| Documentation Comment          | Formatted text for use with Javadoc.                                                | string                | from template file | null           | no           | not applicable    |
| Extends                        | A reference to another                                                              | jrads: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.                                                                                          | jrads: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.                                                                                                     | 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    |
| 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   |
| 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   | enableInfotile View            |
| 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   | enable Keyword Search          |
| List Search Header            | Header text to be rendered at top of List Search.                                                                                                                                         | string  | none     | admin | no   | listSearch Header              |
| No Wrap                       | Indicates if cell contents should be wrapped. Valid only when used in table region.                                                                                                       | boolean | false    | null  | no   | cellNoWrap Format              |
| 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   | enable QuickSearch             |
| Quick Search Field Identifier | IDs of all leaf items under table or advancedTable of queryBean.                                                                                                                          | string  | null     | admin | no   | quickSearch Field Identifier   |
| 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 | saveSearch Button Text         |
| 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   | show Customize PanelControls   |
| Simple Button Label           | Overrides the default text for the button that navigates to the simple search panel.                                                                                                      | string  | null     | null  | true | simpleSearch PanelButton Label |
| Simple Panel Instructions     | Overrides the default text for the Simple Search Panel instruction text.                                                                                                                  | string  | null     | null  | true | simpleSearch InstrTexts        |
| 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   | storeViewsOn SharedRegion      |
| User Personalization          | Indicates if a user can personalize this component. Valid only when used in table region.                                                                                                 | boolean | false    | admin | no   | user Customizable              |
| 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 | viewConf Panel ButtonLabel     |

|                          |                                                                  |        |      |      |      |                      |
|--------------------------|------------------------------------------------------------------|--------|------|------|------|----------------------|
| 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 dvanced 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           | criterialItem |

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.                                                                       | 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    |
| 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     |
| 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.                                            | jrad: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: OASackLayoutBean

## 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.                                                                                                                           | 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 |
| 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.                                                                                                      | 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        |
| 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                                                                                                                 | jrad: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                                                                                           | jrad: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.                              | 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 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 | 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: OTableLayoutBean

## 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.                                                                                                                           | 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    |
| 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.                                                             | 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       |
| 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  |
| 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. |  |  |  |  |  |
|--|------------------------|--|--|--|--|--|

## 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 = Translatable)

| 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                                                                                                                                                | jad: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.                                                                         | jad: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.                                                                                                             | jad: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 |
|------|-------------|------|---------------|----------------|--------------|---------------|
|------|-------------|------|---------------|----------------|--------------|---------------|

|                       |                                                                                                              |                      |      |       |     |                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------|----------------------|------|-------|-----|----------------------|
| 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<br>this component. |  |  |  |  |  |
|--|-------------------------------------|--|--|--|--|--|

## Element Children

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

## Part 3

### 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.                                                                                  | 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 new attachments. (Note: 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   | inlineAttachment Enabled |
| 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.                                                          | 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.                | 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.<br/>(Note: 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:<br/>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: OAAttachmentTableBean

### 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.<br>(Note: 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.                                                                     | jrad: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 |
|----------------|--------------------------------------------------------|---------|------|------|----|---------------|

#### 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 |
|----------------|--------------------------------------|----------------------|---------------|----------------|--------------|---------------|
| 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      |

## 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.                                                                  | 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          |
| 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.                                                                            | jrads: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.      | jrads: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.                                          | jrads:scope           | .             | null  | no    | scope               |
| Target Frame                   | The name of the target frame for the link.                                                            | string                | null          | admin | yes   | targetFrame         |

| Name               | Description                                                                                                                                                              | Type     | Default Value | Pers | Trans | 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         |
| 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 <code>fireAction</code> , <code>firePartialAction</code> , and <code>none</code> . | 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 | Pers  | Trans | 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 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                      |
| 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<br>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<br>Also supports<br>Expression<br>Language (EL)<br>syntax. | null          | null  | no    | maxLength                    |
| No Wrap                        | Indicates if cell contents should be wrapped.                                                                                    | boolean                                                                | false         | null  | no    | cellNoWrap<br>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                     |

| Name                        | Description                                                                                                                                                              | Type                                                     | Default Value | Pers  | Trans | XML Attribute            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|-------|-------|--------------------------|
| 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                |
| 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<br>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, 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](#)

# 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      |

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

| Name                                     | Description                                                                                                                                                     | Type              | Default Value | Personalizable | Translatable | XML Attribute                       |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------|----------------|--------------|-------------------------------------|
| Display Context Field                    | Indicates if the context field is displayed.                                                                                                                    | boolean           | true          | null           | no           | displayContextField                 |
| Document Name                            | The name of the component.                                                                                                                                      | jrad: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. If True, perform Case Sensitive search during KFF LOV Look Ahead search. | string            | null          | null           | no           | LookAhead_LOV_Case_Sensitive_Search |
| Extends                                  | A reference to another component that creates a different instance of that component at runtime.                                                                | jrad: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                                                                                                                                     | jrad:scope        | null          | null           | no           | scope                               |

| Name                      | Description                                                      | Type     | Default Value | Personalizable | Translatable | XML Attribute           |
|---------------------------|------------------------------------------------------------------|----------|---------------|----------------|--------------|-------------------------|
|                           | allowed to reuse this component.                                 |          |               |                |              |                         |
| 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 |
| 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 |
| 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        |

| Name                   | Description                                                                                      | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute    |
|------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|------------------|
| 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.                                     | 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, and descending. | string<br>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 | string               | standard      | null           | no           | securityMode      |

| Name     | Description                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------|----------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|          | standard and selfSecured.                                |          |               |                |              |               |
| 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 |

| Name                          | Description                                                                                                                                                                               | Type              | Default Value | Personalizable | Translatable | XML Attribute                |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------|----------------|--------------|------------------------------|
| 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 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                           |
| 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.                                                                                                                              | jrad: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,                                                                                                                                        | boolean           | false         | admin          | no           | selectiveSearch Criteria     |

| Name                 | Description                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------|----------------------------------------------------------|----------|---------------|----------------|--------------|------------------|
|                      | one of which must be included in the search.             |          |               |                |              |                  |
| 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         |

## image

### Description

The image item style creates an HTML image tag.

Corresponding web bean: `OAIImageBean`

### 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 <code>fireAction</code> and <code>none</code> .                                                                                       | 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 <code>VARCHAR2</code> , <code>DATE</code> , <code>DATETIME</code> , <code>BIGDECIMAL</code> , <code>NUMBER</code> , <code>BOOLEAN</code> , <code>CLOB</code> . | string               | <code>VARCHAR2</code> | null  | no    | dataType             |

| Name                           | Description                                                                                           | Type                                                     | Default Value | Pers  | Trans | XML Attribute                |
|--------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|-------|-------|------------------------------|
| 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           |
| 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<br>Also supports Expression Language (EL) syntax. | no            | admin | no    | sortState                    |

| Name                   | Description                                                                                                                                                              | Type                     | Default Value | Pers  | Trans | XML Attribute    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------|-------|-------|------------------|
| 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 action or discard the changes and continue with the current action. | boolean                  | true          | null  | no    | warnAboutChanges |
| 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.                                            | 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    |
| Extends               | A reference to another component that creates a                                 | jrads:componentRef    | null          | null           | no           | extends            |

|                       |                                                                                                                                                                                            |         |                   |       |    |                     |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------|-------|----|---------------------|
|                       | different instance of that component at runtime.                                                                                                                                           |         |                   |       |    |                     |
| ID                    | The unique name of this component.                                                                                                                                                         | Name    | null              | null  | no | id                  |
| Layer Selection Event | Event triggered when a new layer is selected.                                                                                                                                              | enum    | submitAndRedirect | admin | no | layerSelectionEvent |
| 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        |
| 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                                                                         | boolean | true          | no             | no           | adminCustomizable   |

| Name                           | Description                                                                                      | Type                  | Default Value | Personalizable | Translatable | XML Attribute               |
|--------------------------------|--------------------------------------------------------------------------------------------------|-----------------------|---------------|----------------|--------------|-----------------------------|
|                                | can personalize this component.                                                                  |                       |               |                |              |                             |
| 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                  |
| 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                                                                        | 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        |
| 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                          |
| 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                                                                            | boolean               | false         | admin          | no           | popupEnabled                |

| Name                 | Description                                                                                                                                                              | Type       | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|----------------|--------------|------------------|
|                      | pop-up is enabled.                                                                                                                                                       |            |               |                |              |                  |
| 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 |
| Rendered             | Indicates if the component is rendered.                                                                                                                                  | boolean    | true          | user           | no           | rendered         |
| Scope                | The Base Packages which are allowed to reuse this component.                                                                                                             | grad: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.                                                                | 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          |
| 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           |
| 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                          | jrads: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                      |
| 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                |
| 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.                    | grad:scope  | .             | null           | no           | scope                   |
| 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. |          |               |                |              |               |
| 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      |

## 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   |

| Name                           | Description                                                                                         | Type                 | Default Value | Personalizable | Translatable | XML Attribute     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|---------------|----------------|--------------|-------------------|
| Attribute Set                  | The attribute set for the component.                                                                | jrad: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 rendered as button set.                                   | string               | null          | admin          | no           | falseValueLabel   |
| 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                                           | jrad:componentRef    | null          | null           | no           | extends           |

| Name                  | Description                                                                                                                | Type         | Default Value | Personalizable | Translatable | XML Attribute          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|--------------|---------------|----------------|--------------|------------------------|
|                       | instance of that component at runtime.                                                                                     |              |               |                |              |                        |
| 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           |
| 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                  |

| Name                        | Description                                                                                      | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute           |
|-----------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|-------------------------|
| 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<br>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                                                      | boolean                                                  | true          | null           | no           | warnAboutChanges        |

| Name     | Description                                                                                                                  | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------|------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|          | that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action. |          |               |                |              |               |
| xml:lang | Identifies the language contained within this component.                                                                     | optional | null          | null           | no           | xml:lang      |

## 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                 |

| 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 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                       |

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

| Name                        | Description                                                                                                                                                                               | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute            |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|--------------------------|
| 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           | selectiveSearch Criteria |
| Sort Allowed                | Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.                                                                                          | string<br>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  |

| Name                 | Description                                                                                                                                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|------------------|
| 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. 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 navigation or activation.                                     | string                | null          | admin          | no           | accessKey         |
| 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        |
| Document Name         | The name of the component                                                                           | jrads: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.    | jrads: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  |

| Name                      | Description                                                                                                            | Type                                                          | Default Value | Personalizable | Translatable | XML Attribute            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|----------------|--------------|--------------------------|
| 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 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 results-based (automatic) search.     | unsignedInt<br>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.                                                           | 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                                                                                     | boolean                                                       | false         | admin          | no           | selectiveSearchCriteria  |

| Name                        | Description                                                                                                                                                              | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|------------------------|
|                             | group of items, one of which must be included in the search.                                                                                                             |                                                          |               |                |              |                        |
| Sort Allowed                | Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.                                                                         | string<br>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                |
| 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                                                                                                                                                | unsignedInt                                              | null          | null           | no           | columns                |

| Name     | Description                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------|----------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|          | Search item in characters.                               |          |               |                |              |               |
| 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          |

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

| Name                 | Description                                                        | Type     | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------|--------------------------------------------------------------------|----------|---------------|----------------|--------------|------------------|
| 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         |
| 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.                          | grad: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>(Note: 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 |
| Disable Client Side Validation | Indicates if validation should not occur on the web tier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | boolean | true | null  | no | unvalidated           |

|                                |                                                                                                  |                    |      |       |    |                            |
|--------------------------------|--------------------------------------------------------------------------------------------------|--------------------|------|-------|----|----------------------------|
|                                | during a form submit.                                                                            |                    |      |       |    |                            |
| 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. | grad: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 region is rendered.                                                                                | boolean      | true        | null  | no  | searchRegionRendered   |
| 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 |
|----------------|--------------------------------------|----------------------|---------------|----------------|--------------|---------------|
| 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, 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                                                                 | string            | null     | null  | no | pickListValAttr      |

|                             |                                                                                                             |                                                          |       |       |     |                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------|-------|-----|-------------------------|
|                             | internal value of choices.                                                                                  |                                                          |       |       |     |                         |
| 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<br>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                                                     | boolean                                                  | false | user  | no  | totalValue              |

|                      |                                                                                                                                                                          |          |       |       |    |                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------|----|------------------|
|                      | 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. 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              | boolean              | false         | null           | no           | programmaticQuery |

|                    |                                                                                                                                    |               |         |      |    |                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|------|----|------------------|
|                    | applied to the LOV.                                                                                                                |               |         |      |    |                  |
| 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 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.                                                                | 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                |
| 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.                                                                          | jrads: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.    | jrads:componentRef    | null     | null  | no | extends                 |
| External LOV              | The name of the external List of Values region.                                                     | jrads: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.                                          | jradsrefName                                                  | 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   | lookAheadRecordsDisplayed      |
| 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   | lookAheadSelectionEventEnabled |
| Maximum Length                     | The maximum number of characters per line that can be entered.                                 | unsignedInt<br>Also supports Expression Language (EL) syntax. | null         | null  | no   | maxLength                      |
| 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   | multiSelectOptionsDelimiter    |
| No Wrap                            | Indicates if cell contents should be wrapped.                                                  | boolean                                                       | false        | null  | no   | cellNoWrapFormat               |
| Parent Filter ID                   | Parent filter that determines the                                                              | string                                                        | empty string | no    | no   | parentFilterIdentifier         |

|                             |                                                                                                                         |                                                          |       |       |     |                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------|-------|-----|-------------------------|
|                             | rendering of the child filter.                                                                                          |                                                          |       |       |     |                         |
| 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.                                                            | 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 |
| 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<br>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,                                                                           | string                                                   | none  | admin | no  | tipType                 |

|                      |                                                                                                                                                                          |          |       |       |    |                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------|----|------------------|
|                      | longMessage, shortTip, and none.                                                                                                                                         |          |       |       |    |                  |
| 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                                                 | boolean              | false         | null           | no           | requiredForLOV    |

|                    |                                                                                                                                    |               |         |      |    |                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|------|----|------------------|
|                    | the Criteria Item property must have a value.                                                                                      |               |         |      |    |                  |
| 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 always contain a value if a row from the LOV is selected. Legal values are default, yes, and no. | string        | default | null | no | useForValidation |

## 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                 |

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

| 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 default. | ui:required | no            | admin          | no           | required                |
| 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                                                                                                 | boolean     | true          | null           | no           | warnAboutChanges        |

| Name     | Description                                                                                                                                  | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|          | pending changes that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action. |          |               |                |              |               |
| 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.                                                                  | jrads: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        |
| 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                                                                             | jr: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.      | jr: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                                                                                   | jr:refName      | null          | admin          | no           | longTipRegion     |

| Name                       | Description                                                                                                 | Type       | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------------|-------------------------------------------------------------------------------------------------------------|------------|---------------|----------------|--------------|------------------|
|                            | reference to the long tip region.                                                                           |            |               |                |              |                  |
| 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, 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 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                               | string     | standard      | null           | no           | securityMode     |

| Name                        | Description                                                                                                 | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|-------------------------|
|                             | is the developer's responsibility to handle security validation. Legal values are standard and selfSecured. |                                                          |               |                |              |                         |
| 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, descending.                | string<br>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, 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                                                                 | boolean                                                  | true          | null           | no           | warnAboutChanges        |

| Name     | Description                                                                                                                  | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------|------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|          | that will be lost, and allows them to cancel the current action or discard the changes and continue with the current action. |          |               |                |              |               |
| 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<br>(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                                                                         | 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        |
| 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          |
| 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       |

| Name                       | Description                                                                                                 | Type         | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------------|-------------------------------------------------------------------------------------------------------------|--------------|---------------|----------------|--------------|------------------|
| 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, 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                                                 | 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. |                                                          |               |                |              |                         |
| 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, descending.                                  | string<br>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, 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                  |

| 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         |
| 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    |

| Name                           | Description                                                                                      | Type                 | Default Value | Personalizable | Translatable | XML Attribute           |
|--------------------------------|--------------------------------------------------------------------------------------------------|----------------------|---------------|----------------|--------------|-------------------------|
| 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         |
| 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                                                           | string               | null          | null           | no           | imageUploadUri          |

| Name                   | Description                                                                 | Type                                                          | Default Value | Personalizable | Translatable | XML Attribute             |
|------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------|---------------|----------------|--------------|---------------------------|
|                        | icon. If empty, no icon is shown.                                           |                                                               |               |                |              |                           |
| 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<br>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          | 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 |

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

## 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.                                                                  | 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 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             |
| Export View Attribute          | The alternative view attribute                                                                        | string                | null          | admin          | no           | exportByViewAttr    |

| Name                  | Description                                                                                       | Type                                                                                                                                                                                        | Default Value | Personalizable | Translatable | XML Attribute            |
|-----------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|--------------|--------------------------|
|                       | for use when exporting.                                                                           |                                                                                                                                                                                             |               |                |              |                          |
| 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         | 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<br>Also supports Expression Language (EL) syntax.                                                                                                                               | null          | null           | no           | maxLength                |
| Maximum Value         | Maximum value the user can input.                                                                 | decimal<br>(Note: 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                 |

| Name                      | Description                                                                                                                      | Type                                                                                                                                                                                        | Default Value | Personalizable | Translatable | XML Attribute           |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|--------------|-------------------------|
| Minimum Value             | Minimum value the user can input.                                                                                                | decimal<br>(Note: 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                  |
| 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                                                                  | boolean                                                                                                                                                                                     | false         | admin          | no           | selectiveSearchCriteria |

| Name                        | Description                                                                                            | Type                                                                                                                                                                                        | Default Value | Personalizable | Translatable | XML Attribute          |
|-----------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|--------------|------------------------|
|                             | must be included in the search.                                                                        |                                                                                                                                                                                             |               |                |              |                        |
| showRequired                |                                                                                                        | boolean                                                                                                                                                                                     | false         | null           | no           | showRequired           |
| Sort Allowed                | Indicates if the user can sort this column. Legal values are yes, no, ascending, descending.           | string<br>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<br>(Note: 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.) | 1             | admin          | no           | stepSize               |
| 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                                                              | string                                                                                                                                                                                      | null          | null           | no           | vAlign                 |

| Name               | Description                                                                                                                                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|------------------|
|                    | middle, top, and bottom.                                                                                                                                                 |          |               |                |              |                  |
| 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                                                      | boolean | true          | no             | 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              |
| 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 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    |
| 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                          | jrad:componentRef    | null          | null           | no           | extends                 |

| Name                          | Description                                                                                                        | Type                                                          | Default Value | Personalizable | Translatable | XML Attribute               |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|----------------|--------------|-----------------------------|
|                               | component at runtime.                                                                                              |                                                               |               |                |              |                             |
| 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.                                                              | 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<br>Also supports Expression Language (EL) syntax. | null          | admin          | 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            |
| 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                      |

| Name                        | Description                                                                                                            | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute           |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|-------------------------|
| 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, ascending, and descending.                       | string<br>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                                                                | 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         | 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 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         |

## 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, DATETIME, BIGDECIMAL, NUMBER, BOOLEAN,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   |
| 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         |

| Name                          | Description                                                                                           | Type                                                          | Default Value | Personalizable | Translatable | XML Attribute               |
|-------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------|----------------|--------------|-----------------------------|
| 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                 |
| 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.                                                 | jrads:refName                                                 | null          | admin          | no           | longTipRegion               |
| Maximum Length                | The maximum number of characters per line that can be entered.                                        | unsignedInt<br>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                                                                       | string                                                        | null          | admin          | no           | placeholder                 |

| Name                        | Description                                                                                                             | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|-------------------------|
|                             | expected value of an input field.                                                                                       |                                                          |               |                |              |                         |
| 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.                                                            | jrads: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                | 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<br>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                                                                                       | string                                                   | none          | admin          | no           | tipType                 |

| Name                 | Description                                                                                                                                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|------------------|
|                      | dateFormat, longMessage, shortTip, and none.                                                                                                                             |          |               |                |              |                  |
| 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         |

## 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             | Specifies if month period format is allowed in the facet. | functional | null          | no             | no           | dateFacetAllowMonthPeriodFormat |

|                                     |                                                          |            |      |    |    |                                |
|-------------------------------------|----------------------------------------------------------|------------|------|----|----|--------------------------------|
| Period Format                       |                                                          |            |      |    |    |                                |
| 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 range for relative date search.                     | functional | empty         | no             | no           | dateFacetOptionEndPeriod    |
| 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.                                                                | 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          |
| 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        |
| 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                |

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

| Name                  | Description                                                                                                                                                                                        | Type         | Default Value | Personalizable | Translatable | XML Attribute    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|----------------|--------------|------------------|
| 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 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. | string       | standard      | null           | no           | securityMode     |
| 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                                                                                                                                                   | boolean      | false         | null           | no           | warnAboutChanges |

| Name         | Description                                                                                                             | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|--------------|-------------------------------------------------------------------------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|              | will be lost, and allows them to cancel the current action or discard the changes and continue with the current action. |          |               |                |              |               |
| 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.                                                                | 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                |

| Name                   | Description                                                                                       | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute    |
|------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|------------------|
| 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<br>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         |

| Name     | Description                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------|----------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
| 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 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          |
| 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                                             | jrad:componentRef    | null          | null           | no           | extends             |

| Name                 | Description                                                             | Type       | Default Value | Personalizable | Translatable | XML Attribute |
|----------------------|-------------------------------------------------------------------------|------------|---------------|----------------|--------------|---------------|
|                      | 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            |
| Rendered             | Indicates if the component is rendered.                                 | boolean    | true          | user           | no           | rendered      |
| Scope                | The Base Packages which are allowed to reuse this component.            | grad: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.                          | grad:attributeSetRef | null          | null           | no           | use               |

| Name                 | Description                                                                                               | Type          | Default Value                                                                                                                                                                       | Personalizable | Translatable | XML Attribute   |
|----------------------|-----------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-----------------|
| Comments             | Comments                                                                                                  | string        | null                                                                                                                                                                                | null           | no           | comment         |
| Content Type         | Indicates the type of content to embed.                                                                   | anySimpleType | OBIIE                                                                                                                                                                               | 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-separated, name-value pairs. | string        | null                                                                                                                                                                                | admin          | yes          | richParameters  |
| Title                | The title of the region.                                                                                  | string        | Default value based on content type selected, otherwise null: <ul style="list-style-type: none"> <li>• OBIIE 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 right alignment icons are displayed.            | boolean               | false         | null           | no           | alignmentIcons          |
| Attribute Set             | The attribute set for the component.                                               | jrads: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           |

| 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                 |
| 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 icon is shown.                         | string                                                        | null          | null           | no           | imageUploadUri           |
| 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<br>Also supports Expression Language (EL) syntax. | null          | null           | no           | maxLength                |
| Plain Text Mode Height | The display height of the text mode                                                              | unsignedInt                                                   | null          | null           | no           | textModeDisplayHeight    |

| Name                        | Description                                                                 | Type        | Default Value | Personalizable | Translatable | XML Attribute             |
|-----------------------------|-----------------------------------------------------------------------------|-------------|---------------|----------------|--------------|---------------------------|
|                             | editor in characters.                                                       |             |               |                |              |                           |
| 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 rich text editor in pixels or % of the container. | string      | null          | null           | 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           | 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 Alignment          | Vertical alignment                                                          | 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      |

## 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 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   |

| 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          |
| 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           |
| 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.                                     | jrad: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        |

| Name          | Description                                                                                      | Type              | Default Value | Personalizable | Translatable | XML Attribute |
|---------------|--------------------------------------------------------------------------------------------------|-------------------|---------------|----------------|--------------|---------------|
| 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               | jrad:componentRef    | null          | null           | no           | extends           |

| Name       | Description                                              | Type         | Default Value | Personalizable | Translatable | XML Attribute |
|------------|----------------------------------------------------------|--------------|---------------|----------------|--------------|---------------|
|            | different instance of that component at runtime.         |              |               |                |              |               |
| 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.                                                                  | jrad:attributeSetRef | null          | null           | no           | use                 |
| Comments              | Comments                                                                                              | string               | null          | null           | no           | comment             |
| 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, 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 |
| 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          |
| 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 |

| 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    |
| 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 reuse this component.                                     | jrad:scope           | .             | null           | no           | scope         |
| 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               |
| 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    |

| Name                          | Description                                                                                           | Type                                                     | Default Value | Personalizable | Translatable | XML Attribute                |
|-------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|----------------|--------------|------------------------------|
| 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                  |
| 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<br>Also supports Expression Language (EL) syntax. | no            | admin          | no           | sortState                    |
| 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 |
| 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,       | 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     |
| 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 are allowed to reuse this component.                                      | jrad:scope                                               | .             | null           | no           | scope          |
| Sort Allowed           | Indicates if the user can sort this column. Legal values are yes, no, ascending, and descending.  | string<br>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                                           | boolean                                                  | false         | user           | no           | totalValue     |

| Name           | Description                                              | Type     | Default Value | Personalizable | Translatable | XML Attribute |
|----------------|----------------------------------------------------------|----------|---------------|----------------|--------------|---------------|
|                | show the total of this column.                           |          |               |                |              |               |
| 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 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                 |
| 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 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                |
| 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 |

| 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             |
| 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                  |
| 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: OAUurlIncludeBean

## 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.                                                             | jr: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. | jr: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/absolute URI.                                                                       | uriReference       | null          | admin          | no           | source            |
| xml:lang              | Identifies the language contained within this component.                                         | optional           | null          | null           | no           | xml:lang          |