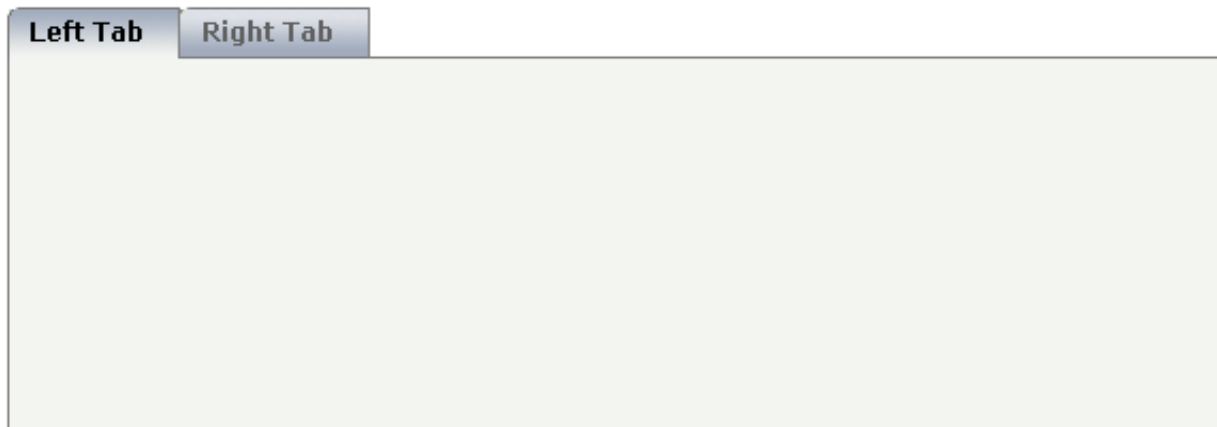# ROWTABAREA and COLTABAREA

The ROWTABAREA or COLTABAREA container is the representation of a tab control. A tab area consists of the ROWTABAREA or COLTABAREA definition. Inside this definition, you define TABPAGE containers representing the individual pages between which you can navigate.

Example:

```
<pagebody>
    <rowtabarea height="200" name1="Left Tab" page1="LEFT" name2="Right Tab" page2="RIGHT">
        <tabpage id="LEFT" takefullheight="true">
        </tabpage>
        <tabpage id="RIGHT" takefullheight="true">
        </tabpage>
    </rowtabarea>
</pagebody>
```

The above XML layout produces the following page:



Inside the ROWTABAREA definition, specify the name and the ID of each area you want to display. Pay attention to the naming of the `page*` properties: the name must not contain any blank spaces or non-alphanumeric characeters. Start the `page*` values with a character, not with a number.

Specify the individual toggle areas - by the TABPAGE definition. Each TABPAGE holds an ID which must be equal to the definition on ROWTABAREA level. Each TABPAGE has a `display` property which is set to "none" for all TABPAGE definitions except the first one.

Each TABPAGE is a container itself - i.e. inside the TABPAGE, place controls (or containers) by adding ITR or TR rows and place elements into these rows.

The following topics are covered below:

- ROWTABAREA Properties

- COLTABAREA Properties

- TABPAGE Properties

- The Most Common Error

- Example: Controlling which Tab is displayed by the Server Adapter

- Example: Controlling the Visibility of Tab Pages

# ROWTABAREA Properties

| Basic | | | |
|---|---|---|---|
| height | Height of the control.<br><br>There are three possibilities to define the height:<br><br>(A) You do not define a height at all. As consequence the control will be rendered with its default height. If the control is a container control (containing) other controls then the height of the control will follow the height of its content.<br><br>(B) Pixel sizing: just input a number value (e.g. "20").<br><br>(C) Percentage sizing: input a percantage value (e.g. "50%"). Pay attention: percentage sizing will only bring up correct results if the parent element of the control properly defines a height this control can reference. If you specify this control to have a height of 50% then the parent element (e.g. an ITR-row) may itself define a height of "100%". If the parent element does not specify a width then the rendering result may not represent what you expect. | Obligatory | 100<br><br>150<br><br>200<br><br>250<br><br>300<br><br>250<br><br>400<br><br>50%<br><br>100% |
| leftindent | Inserts a horizontal distance left of the first "tab" and shifts the "tabs" to the right as consequence. The value you may define represents the number of pixels that are inserted. | Optional | 1<br><br>2<br><br>3<br><br>int-value |
| scrollable | If set to "true" then small icons will appear on the right border of the control. If the size of the "tabs" is too big and some tabs are cut as consequence then you can use these icons for scrolling left and right. | Optional | true<br><br>false |
| name1 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Sometimes obligatory | |
| textid1 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Sometimes obligatory | |

| | | | |
|---|---|---|---|
| page1 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Obligatory | |
| withclose1 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true false |
| name2 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid2 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page2 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose2 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true false |
| name3 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid3 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

| page3 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
|---|---|---|---|
| withclose3 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name4 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid4 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page4 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose4 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name5 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid5 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

| page5 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| --- | --- | --- | --- |
| withclose5 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name6 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid6 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page6 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose6 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name7 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid7 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

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|---|---|---|---|
| page7 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose7 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name8 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid8 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page8 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose8 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name9 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid9 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

| page9 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
|---|---|---|---|
| withclose9 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name10 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid10 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page10 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose10 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name11 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid11 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

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|---|---|---|---|
| page11 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose11 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name12 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid12 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page12 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose12 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name13 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid13 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

| page13 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
|---|---|---|---|
| withclose13 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name14 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid14 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page14 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose14 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name15 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid15 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

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|---|---|---|---|
| page15 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose15 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| name16 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid16 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page16 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| withclose16 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | true<br><br>false |
| Binding | | | |

| | | | |
|---|---|---|---|
| openedindexprop | Name of adapter property that represents the index of the "tab" that is currently opened.<br><br>There are two ways of using the property: either you can define by the adapter property's value which "tab" should be opened. Or you can react inside your adapter object when the user does a "tab" selection (also have a look onto the property OPENMETHOD!).<br><br>The property must be of type "int" or "Integer" (or "String"). The left most "tab" represents index "0", the next one "1", etc. | Optional | |
| openmethod | Name of the adapter method that is invoke when the user does a "tab" selection. The index of the "tab" that is opened can be transferred to the adapter by using the property OPENEDINDEXPROP. | Optional | |
| visibleprop1 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop2 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop3 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop4 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop5 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop6 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop7 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop8 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop9 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop10 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop11 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop12 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop13 | Name of property that defines if the corresponding tag is visible or not. | Optional | |

| | | | |
|---|---|---|---|
| visibleprop14 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop15 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop16 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| Appearance | | | |
| withleftborder | If specified as "false" then no left border will be drawn. | Optional | true<br><br>false |
| withrightborder | If specified as "false" then no right border will be drawn. | Optional | true<br><br>false |
| withbottomborder | If specified as "false" then no bottom border will be drawn. | Optional | true<br><br>false |
| stylevariant | Some controls offer the possibility to define style variants. By this style variant you can address different styles inside your style sheet definition file (.css). If not defined "normal" styles are chosen, if defined (e.g. "VAR1") then other style definitions (xxxVAR1xxx) are chosen.<br><br>Purpose: you can set up style variants in the style sheet defintion and use them multiple times by addressing them via the "stylevariant" property. CIS currently offerst two variants "VAR1" and "VAR2" but does not predefine any semantics behind - this is up to you! | Optional | VAR1 |
| tabindex | Index that defines the tab order of the control. Controls are selected in increasing index order and in source order to resolve duplicates. | Optional | -1<br><br>0<br><br>1<br><br>2<br><br>5<br><br>10<br><br>32767 |
| withtoppadding | The control by default renders some blank vertical space (2 pixels) on top of its area. Reason: if you vertically arrange one ROW/COLAREA after the other then automatically some distance is put between.<br><br>By specifying "false" you can avoid this behaviour. " | Optional | true<br><br>false |

| tabpagepaddingleft | Number of pixels between the left border and the area's content. Default is 5 pixels. | Sometimes obligatory | 1 2 3 int-value |
|---|---|---|---|
| tabpagepaddingright | Number of pixels between the right border and the area's content. Default is 5 pixels. | Optional | 1 2 3 int-value |
| tabpagepaddingtop | Number of pixels between the top border and the area's content. Default is 5 pixels. | Optional | 1 2 3 int-value |
| tabpagepaddingbottom | Number of pixels between the bottom border and the area's content. Default is 5 pixels. | Optional | 1 2 3 int-value |
| withflash | Adds animation effects when the user uses the control. | Optional | |
| Online Help | | | |
| title1 | Tooltip text that appears on the corresponding tab. | Optional | |
| title2 | Tooltip text that appears on the corresponding tab. | Optional | |
| title3 | Tooltip text that appears on the corresponding tab. | Optional | |
| title4 | Tooltip text that appears on the corresponding tab. | Optional | |
| title5 | Tooltip text that appears on the corresponding tab. | Optional | |
| title6 | Tooltip text that appears on the corresponding tab. | Optional | |
| title7 | Tooltip text that appears on the corresponding tab. | Optional | |
| title8 | Tooltip text that appears on the corresponding tab. | Optional | |
| title9 | Tooltip text that appears on the corresponding tab. | Optional | |
| title10 | Tooltip text that appears on the corresponding tab. | Optional | |
| title11 | Tooltip text that appears on the corresponding tab. | Optional | |
| title12 | Tooltip text that appears on the corresponding tab. | Optional | |
| title13 | Tooltip text that appears on the corresponding tab. | Optional | |

| | | | |
|---|---|---|---|
| title14 | Tooltip text that appears on the corresponding tab. | Optional | |
| title15 | Tooltip text that appears on the corresponding tab. | Optional | |
| title16 | Tooltip text that appears on the corresponding tab. | Optional | |
| titletextid1 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid2 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid3 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid4 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid5 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid6 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid7 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid8 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid9 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid10 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid11 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid12 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid13 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |

| | | | |
|---|---|---|---|
| titletextid14 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid15 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid16 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| Comment | | | |
| comment | Comment without any effect on rendering and behaviour. The comment is shown in the layout editor's tree view. | Optional | |
| Miscellaneous | | | |
| testtoolid1 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid2 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid3 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid4 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid5 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid6 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid7 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid8 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid9 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |

| testtoolid10 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
|---|---|---|---|
| testtoolid11 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid12 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid13 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid14 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid15 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |
| testtoolid16 | Use this attribute to assign a fixed control identifier that can be later on used within your test tool in order to do the object identification | Optional | |

# COLTABAREA Properties

The properties of COLTABAREA are very similar to those of ROWTABAREA.

| Basic | | | |
|---|---|---|---|
| width | Width of the control.<br><br>There are three possibilities to define the width:<br><br>(A) You do not define a width at all. In this case the width of the control will either be a default width or - in case of container controls - it will follow the width that is occupied by its content.<br><br>(B) Pixel sizing: just input a number value (e.g. "100").<br><br>(C) Percentage sizing: input a percantage value (e.g. "50%"). Pay attention: percentage sizing will only bring up correct results if the parent element of the control properly defines a width this control can reference. If you specify this control to have a width of 50% then the parent element (e.g. an ITR-row) may itself define a width of "100%". If the parent element does not specify a width then the rendering result may not represent what you expect. | Obligatory | 100<br><br>120<br><br>140<br><br>160<br><br>180<br><br>200<br><br>50%<br><br>100% |

| | | | |
|---|---|---|---|
| leftindent | Inserts a horizontal distance left of the first "tab" and shifts the "tabs" to the right as consequence. The value you may define represents the number of pixels that are inserted. | Optional | 1<br><br>2<br><br>3<br><br>int-value |
| scrollable | If set to "true" then small icons will appear on the right border of the control. If the size of the "tabs" is too big and some tabs are cut as consequence then you can use these icons for scrolling left and right. | Optional | true<br><br>false |
| name1 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Sometimes obligatory | |
| textid1 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Sometimes obligatory | |
| page1 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Obligatory | |
| name2 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid2 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page2 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name3 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid3 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page3 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |

| name4 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
|---|---|---|---|
| textid4 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page4 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name5 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid5 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page5 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name6 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid6 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page6 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name7 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid7 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |

| page7 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
|---|---|---|---|
| name8 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid8 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page8 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name9 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid9 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page9 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name10 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid10 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page10 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters. For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name11 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |

| | | | |
|---|---|---|---|
| textid11 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page11 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name12 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid12 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page12 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name13 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid13 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page13 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name14 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid14 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page14 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |

| | | | |
|---|---|---|---|
| name15 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid15 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page15 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| name16 | Text that is shown in the corresponding "tab". Either define the text as NAME or as language dependent TEXTID. | Optional | |
| textid16 | Text ID that is transferred in a corresponding literal at runtime by the multi language management. | Optional | |
| page16 | Id of the TABPAGE that is defined as child of the TABAREA. Use an id that is unique within the page and that is a "healthy" id: starting with characters, without blanks and without "strange" characters.<br><br>For each "tab" of the TABAREA you have to create one corresponding TABPAGE below - holding exactly the id that is defined in the PAGE property. | Optional | |
| Binding | | | |
| openedindexprop | Name of adapter property that represents the index of the "tab" that is currently opened.<br><br>There are two ways of using the property: either you can define by the adapter property's value which "tab" should be opened. Or you can react inside your adapter object when the user does a "tab" selection (also have a look onto the property OPENMETHOD!).<br><br>The property must be of type "int" or "Integer" (or "String"). The left most "tab" represents index "0", the next one "1", etc. | Optional | |
| visibleprop1 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop2 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop3 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop4 | Name of property that defines if the corresponding tag is visible or not. | Optional | |

| | | | |
|---|---|---|---|
| visibleprop5 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop6 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop7 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop8 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop9 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop10 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop11 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop12 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop13 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop14 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop15 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| visibleprop16 | Name of property that defines if the corresponding tag is visible or not. | Optional | |
| Appearance | | | |
| withleftborder | If specified as "false" then no left border will be drawn. | Optional | |
| withrightborder | If specified as "false" then no right border will be drawn. | Optional | |
| withbottomborder | If specified as "false" then no bottom border will be drawn. | Optional | |
| stylevariant | Some controls offer the possibility to define style variants. By this style variant you can address different styles inside your style sheet definition file (.css). If not defined "normal" styles are chosen, if defined (e.g. "VAR1") then other style definitions (xxxVAR1xxx) are chosen.<br><br>Purpose: you can set up style variants in the style sheet defintion and use them multiple times by addressing them via the "stylevariant" property. CIS currently offerst two variants "VAR1" and "VAR2" but does not predefine any semantics behind - this is up to you! | Optional | VAR1 |

| tabindex | Index that defines the tab order of the control. Controls are selected in increasing index order and in source order to resolve duplicates. | Optional | -1<br><br>0<br><br>1<br><br>2<br><br>5<br><br>10<br><br>32767 |
|---|---|---|---|
| Online Help | | | |
| title1 | Tooltip text that appears on the corresponding tab. | Optional | |
| title2 | Tooltip text that appears on the corresponding tab. | Optional | |
| title3 | Tooltip text that appears on the corresponding tab. | Optional | |
| title4 | Tooltip text that appears on the corresponding tab. | Optional | |
| title5 | Tooltip text that appears on the corresponding tab. | Optional | |
| title6 | Tooltip text that appears on the corresponding tab. | Optional | |
| title7 | Tooltip text that appears on the corresponding tab. | Optional | |
| title8 | Tooltip text that appears on the corresponding tab. | Optional | |
| title9 | Tooltip text that appears on the corresponding tab. | Optional | |
| title10 | Tooltip text that appears on the corresponding tab. | Optional | |
| title11 | Tooltip text that appears on the corresponding tab. | Optional | |
| title12 | Tooltip text that appears on the corresponding tab. | Optional | |
| title13 | Tooltip text that appears on the corresponding tab. | Optional | |
| title14 | Tooltip text that appears on the corresponding tab. | Optional | |
| title15 | Tooltip text that appears on the corresponding tab. | Optional | |
| title16 | Tooltip text that appears on the corresponding tab. | Optional | |
| titletextid1 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid2 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid3 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |

| titletextid4 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
|---|---|---|---|
| titletextid5 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid6 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid7 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid8 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid9 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid10 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid11 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid12 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid13 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid14 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid15 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| titletextid16 | Text ID for the tooltip of the corresponding "tab". At runtime the multi language management replaces the textid with a language dependent literal. | Optional | |
| Comment | | | |
| comment | Comment without any effect on rendering and behaviour. The comment is shown in the layout editor's tree view. | Optional | |

# TABPAGE Properties

| Basic | | | |
|---|---|---|---|
| id | Id of the TABPAGE. Each page has a certain id that reference to the PAGE1 .. PAGE9 deifnition you do inside the ROW/COLTABAREA control that contains the TABPAGE. If clicking onto a "tab" then the TABPAGE with the associated id is displayed as consequence. | Obligatory | |
| display | Initial display status of the TABPAGE. The first TABPAGE inside the ROW/COLTABAREA control must be set to "". All others need to be set ot "none". - If a ROW/COLTABAREA should show up with two or more pages being visible one below the other then check the setting of this property!" | Sometimes obligatory | |
| takefullheight | Indicates if the content of the control's area gets the full available height.<br><br>If you use percentage sizing inside the control's area then this property must be switched to 'true'. If you use no explicit vertical sizing at all - or you use vertical pixel sizing for your controls - the property must be switched to 'false'.<br><br>Background information: container control's internally open up a table in which you place rows (ITR/TR) which then hold controls (e.g. LABEL/FIELD). The table that is opened up normally has no explicit height and grows with its content as consequence. By specifying "takefullheight=true" the table itself is sized to fill the maximum height of the available area. | Optional | true<br><br>false |
| fixlayout | The fixlayout property is important for saving rendering performance inside your browser. To become effective it requires to have specified the height and the width (if available as property) of the control.<br><br>If setting fixlayout to "true" then the control's area is defined as area which is not sized dependent on its content (as normally done with table rendering). Instead the size is predefined from outside without letting the browser "look" into the content of the area. If the content is not fitting into the area then it is cut.<br><br>You typically use this control if the content of the control's area is flexibly sizable. E.g. if the content (e.g. a TEXTGRID control) is following the size of the container.<br><br>When using vertical percentage based sizing you should pay attention to set the fixlayout-property to "true" as often as possible. - The browser as consequence will be much faster in doing its rendering because a screen consists out of "building blocks" with simple to calculate sizes. | Optional | true<br><br>false |

| comment | Comment without any effect on rendering and behaviour. The comment is shown in the layout editor's tree view. | Optional | |
|---------|---------------------------------------------------------------|----------|---|

# The Most Common Error

Do you receive JavaScript errors when clicking in the tabs? Then take a further look at the ID assignments in the ROWTABAREA or COLTABAREA control on the one hand, and in the TABPAGE control on the other hand: each `page*` property of a ROWTABAREA or COLTABAREA defines an ID that must exactly match an `id` property of TABPAGE.

If you have more than one ROWTABAREA or COLTABAREA inside your page: do not use the same IDs - each ID must be unique throughout one page.

# Example: Controlling which Tab is displayed by the Server Adapter

The following example demonstrates the usage of the property `openedindexprop` on ROWTABAREA level:



The user selects the value of the property `index` using the combo control. The `index` property controls also which tab is displayed inside the ROWTABAREA control.

The layout definition is as follows:

```
<pagebody>
    <rowarea name="Dynamic setting of index in TABAREA">
        <itr>
            <label name="Index" width="100">
            </label>
            <combofix valueprop="index" size="1" flush="server">
                <combooption name="First  (=0)" value="0">
                </combooption>
                <combooption name="Second  (=1)" value="1">
                </combooption>
                <combooption name="Third (=2)" value="2">
```

```
                    </combooption>
                </combofix>
            </itr>
        </rowarea>
        <rowtabarea height="200" openedindexprop="index"
                    name1="First"  page1="FIRST"
                    name2="Second" page2="SECOND"
                    name3="Third"  page3="THIRD">
            <tabpage id="FIRST">
            </tabpage>
            <tabpage id="SECOND">
            </tabpage>
            <tabpage id="THIRD">
            </tabpage>
        </rowtabarea>
</pagebody>
```

The adapter class on the server side looks as follows:

```
import com.softwareag.cis.server.Adapter;

// This class is a generated one.

public class TabAreaIndexAdapter extends Adapter
{
    // property >index<
    int m_index;
    public int getIndex() { return m_index; }
    public void setIndex(int value) { m_index = value; }
}
```
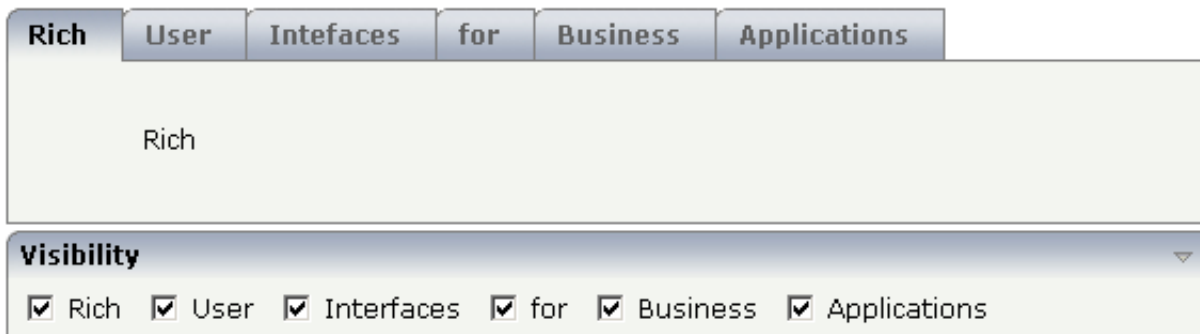
# Example: Controlling the Visibility of Tab Pages

For each individual tab page, you can control at runtime whether it is visible or not. The following
example allows the user to control the visibility of tabs using check boxes:



The XML layout is:

```
<rowtabarea height="100" name1="Rich" page1="RICH" visibleprop1="page1Visibility"
                         name2="User" page2="USER" visibleprop2="page2Visibility"
                         name3="Intefaces" page3="INTERFACES" visibleprop3="page3Visibility"
                         name4="for" page4="FOR" visibleprop4="page4Visibility"
                         name5="Business" page5="BUSINESS" visibleprop5="page5Visibility"
                         name6="Applications" page6="APPLICATIONS"
                                              visibleprop6="page6Visibility">
        <tabpage id="RICH">
            <vdist height="20">
            </vdist>
```

```
            <itr>
                <hdist width="60">
                </hdist>
                <label name="Rich" asplaintext="true" textalign="center">
                </label>
            </itr>
        </tabpage>
        <tabpage id="USER">
            ...
        </tabpage>
        ...
        ...
        ...
<rowarea name="Visibility">
    <itr>
        <checkbox valueprop="page1Visibility" flush="server">
        </checkbox>
        <hdist>
        </hdist>
        <label name="Rich" asplaintext="true">
        </label>
        <hdist width="10">
        </hdist>
        <checkbox valueprop="page2Visibility" flush="server">
        </checkbox>
        <hdist>
        </hdist>
        <label name="User" asplaintext="true">
        </label>
        <hdist width="10">
        </hdist>
        <checkbox valueprop="page3Visibility" flush="server">
        </checkbox>
        <hdist>
        </hdist>
        <label name="Interfaces" asplaintext="true">
        </label>
        <hdist width="10">
        </hdist>
        <checkbox valueprop="page4Visibility" flush="server">
        </checkbox>
        <hdist>
        </hdist>
        <label name="for" asplaintext="true">
        </label>
        <hdist width="10">
        </hdist>
        <checkbox valueprop="page5Visibility" flush="server">
        </checkbox>
        <hdist>
        </hdist>
        <label name="Business" asplaintext="true">
        </label>
        <hdist width="10">
        </hdist>
        <checkbox valueprop="page6Visibility" flush="server">
        </checkbox>
        <hdist>
        </hdist>
        <label name="Applications" asplaintext="true">
        </label>
        <hdist width="10">
        </hdist>
    </itr>
</rowarea>
```

You see that the definition of the properties that control the visibility of tab pages is done in the ROWTABAREA (not on TABPAGE level). The check boxes reference the same adapter properties as used on ROWTABAREA level.

In the adapter code, the corresponding boolean properties are provided:

```
import com.softwareag.cis.server.Adapter;

// This class is a generated one.

public class VisibilityOfTabPagesAdapter
    extends Adapter
{
    // property >page1Visibility<
    boolean m_page1Visibility;
    public boolean getPage1Visibility() { return m_page1Visibility; }
    public void setPage1Visibility(boolean value) { m_page1Visibility = value; }

    // property >page2Visibility<
    boolean m_page2Visibility;
    public boolean getPage2Visibility() { return m_page2Visibility; }
    public void setPage2Visibility(boolean value) { m_page2Visibility = value; }

    // property >page3Visibility<
    boolean m_page3Visibility;
    public boolean getPage3Visibility() { return m_page3Visibility; }
    public void setPage3Visibility(boolean value) { m_page3Visibility = value; }

    // property >page4Visibility<
    boolean m_page4Visibility;
    public boolean getPage4Visibility() { return m_page4Visibility; }
    public void setPage4Visibility(boolean value) { m_page4Visibility = value; }

    // property >page5Visibility<
    boolean m_page5Visibility;
    public boolean getPage5Visibility() { return m_page5Visibility; }
    public void setPage5Visibility(boolean value) { m_page5Visibility = value; }

    // property >page6Visibility<
    boolean m_page6Visibility;
    public boolean getPage6Visibility() { return m_page6Visibility; }
    public void setPage6Visibility(boolean value) { m_page6Visibility = value; }
}
```

**Note:**
In the previous example, the `openedindexprop` property of the ROWTABAREA was used. Be aware of the fact that each tab page still keeps its stable index position - no matter whether it is displayed or not.