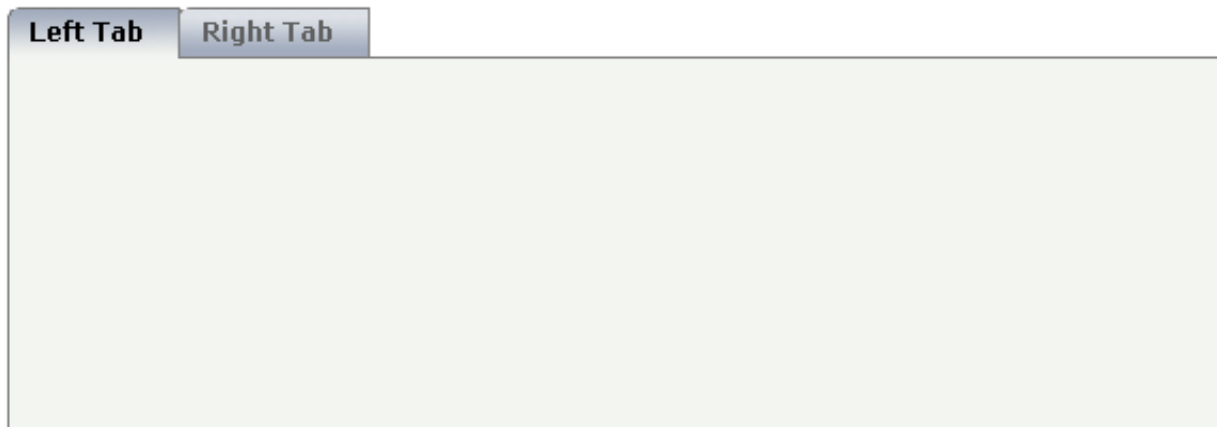# ROWTABAREA and COLTABAREA

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. There are three possibilities to define the height: (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. (B) Pixel sizing: just input a number value (e.g. "20"). (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	100 150 200 250 300 250 400 50% 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 2 3 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 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. 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. 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
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. 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. 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
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. 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. 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
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. 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. 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
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	
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. 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
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	
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. 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
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	
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. 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
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	
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. 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
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. 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. 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
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. 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. 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
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. 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. 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
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. 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. 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
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. 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. 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
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. 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. 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
Binding			
openedindexprop	$en/popupwizard/njx_rowtabarea_attr_openedindexprop$	Optional	
openmethod	$en/popupwizard/njx_rowtabarea_attr_openmethod$	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 false
withrightborder	If specified as "false" then no right border will be drawn.	Optional	true false
withbottomborder	If specified as "false" then no bottom border will be drawn.	Optional	true 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.	Optional	VAR1
	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!		
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 0 1 2 5 10 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. By specifying "false" you can avoid this behaviour. "	Optional	true 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. There are three possibilities to define the width: (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. (B) Pixel sizing: just input a number value (e.g. "100"). (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	100 120 140 160 180 200 50% 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 2 3 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 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	
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	
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. 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. 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. 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. 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. 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. 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. 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. 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. 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. 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	$en/popupwizard/njx_rowtabarea_attr_openedindexprop$	Optional	
openmethod	$en/popupwizard/njx_rowtabarea_attr_openmethod$	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. 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 0 1 2 5 10 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. 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'. 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 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. 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. 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. 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 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 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

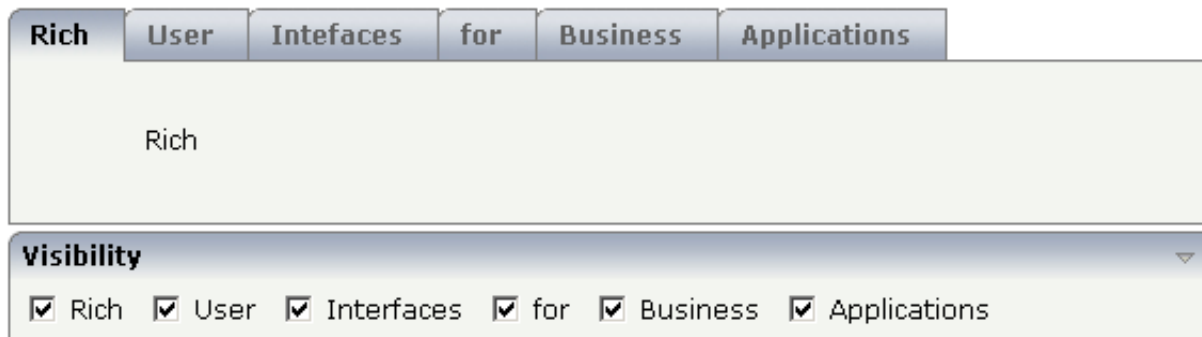The following example demonstrates the usage of the property openedindexprop on ROWTABAREA level:

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>
```

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.

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.