

RuntimeTabPanel



Apr 04, 2024 13:10

Supported Clients

SmartClient WebClient NGClient

Extends

RuntimeComponent

Property Summary

String	bgbcolor	Gets or sets the background color of a field.
String	border	Gets or sets the border attribute(s) of a specified element.
Boolean	enabled	Gets or sets the enabled state of a specified field, also known as "grayed".
String	fgcolor	Gets or sets the foreground color of a field.
String	font	Gets or sets the font name, style, and size of an element.
Boolean	readOnly	Gets or sets the editable/read-only state of a field; true - read-only; false - editable; ! - the editable/read-only state is inverted (the opposite).
Object	tabIndex	Gets or sets the selected tab index for the specified tabpanel.
String	toolTipText	Gets or sets the tool tip text of an element; text displays when the mouse cursor hovers over an element.
Boolean	transparent	Gets or sets the transparency of an element; true - transparent; false - not transparent.
Boolean	visible	Gets or sets the visibility of an element; true - visible; false - not visible; ! - the visibility state is inverted (the opposite).

Methods Summary

void	addStyleClass(styleName)	Adds a style to the styleClass property.
Boolean	addTab(form/formname, name, tabText, tooltip, iconURL, fg, bg, relatedfoundset /relationname, index)	Adds a relationless or related form as a tab in a specified tabpanel.
Number	getAbsoluteFormLocationY()	Returns the absolute form (designed) Y location.
Object	getClientProperty(key)	Gets the specified client property for the element based on a key.
Object	getDesignProperties()	Get the design-time properties of an element.
Object	getDesignTimeProperty(key)	Get a design-time property of an element.
String	getElementType()	Returns the type of a specified element.
String	getFormName()	Returns the name of the form.
Number	getHeight()	Returns the height of the current element.
Number	getLocationX()	Returns the x location of the current element.
Number	getLocationY()	Returns the y location of the current element.
Number	getMaxTabIndex()	Returns the maximum tab index for a specified tabpanel.
String	getMnemonicAt(i)	Returns the mnemonic for a specified tab of a tabpanel.
String	getName()	Returns the name of an element.
String	getTabFGColorAt(i)	Returns the foreground color for a specified tab of a tabpanel.
String	getTabFormNameAt(i)	Returns the form name for a specified tab of a tabpanel.
String	getTabNameAt(i)	Returns the name - the "name" design time property value - for a specified tab of a tabpanel.
String	getTabRelationNameAt(i)	Returns the relation name for a specified tab of a tabpanel.
String	getTabTextAt(i)	Returns the text for a specified tab of a tabpanel.
Number	getWidth()	Returns the width of the current element.
void	hasStyleClass(styleName)	Check if an element already have a style from the styleClass property.
Boolean	isTabEnabledAt(i)	Returns the enabled status of a specified tab in a tabpanel.
void	putClientProperty(key, value)	Sets the value for the specified element client property key.
Boolean	removeAllTabs()	Removes all tabs for a specified tabpanel.
void	removeStyleClass(styleName)	Removes a style from the styleClass property.
Boolean	removeTabAt(index)	Removes a specified tab in a tabpanel; can be based on a relation or relationless.
void	setLocation(x, y)	Sets the location of an element.
void	setMnemonicAt(index, text)	Sets the mnemonic for a specified tab in a tabpanel.
void	setSize(width, height)	Sets the size of an element.
void	setTabEnabledAt(i, b)	Sets the status of a specified tab in a tabpanel.
void	setTabFGColorAt(i, s)	Sets the foreground color for a specified tab in a tabpanel.
void	setTabTextAt(index, text)	Sets the text for a specified tab in a tabpanel.

Property Details

bgbcolor

Gets or sets the background color of a field. The color has to be set using the hexadecimal RGB value as used in HTML.

It only returns it's correct value if it was explicitly set.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//sets the background color of the field
%%elementName%%.bgcolor = "#FFFFFF";
//gets the background color of the field
var c = %%elementName%%.bgcolor;
```

border

Gets or sets the border attribute(s) of a specified element.

The border attributes:

borderType - EmptyBorder, EtchedBorder, BevelBorder, LineBorder, TitleBorder, MatteBorder, SpecialMatteBorder.
 size - (numeric value) for: bottom, left, right, top.
 color - (hexadecimal value) for: bottom, left, right, top.
 dash pattern - (numeric value) for selected side(s).
 rounding radius - (numeric value) for selected side(s).

It only returns it's correct value if it was explicitly set.

NOTE: Use the same value(s) and order of attribute(s) from the element design time property "borderType".

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//sets the border type to "LineBorder"
//sets a 1 px line width for the bottom and left side of the border
//sets the hexadecimal color of the border to "#ccffcc"
%%elementName%%.border = 'LineBorder,1,#ccffcc';
```

enabled

Gets or sets the enabled state of a specified field, also known as "grayed".

true - enabled; false - not enabled; ! - the enabled state is inverted (the opposite).

NOTE: A disabled element cannot be selected by clicking the element (or by pressing the TAB key even if this option is supported by the operating system).

NOTE: A label or button element will not disable if the "displayType" design time property for a field is set to HTML_AREA.

NOTE: The disabled "grayed" color is dependent on the LAF set in the Servoy Client Application Preferences. For more information see Preferences: Look And Feel in the Servoy Developer User's Guide.

Returns

[Boolean](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//gets the enabled state of the field
var currState = %%elementName%%.enabled;

//sets the enabled state of the field
%%elementName%%.enabled = !currentState;
```

fgcolor

Gets or sets the foreground color of a field. The color has to be set using the hexadecimal RGB value as used in HTML.

It only returns it's correct value if it was explicitly set.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//sets the foreground color of the field
%%elementName%%.fgcolor = "#000000";

//gets the foreground color of the field
var c = %%elementName%%.fgcolor;
```

font

Gets or sets the font name, style, and size of an element.

font name - the name of the font family.

style - the type of the font. (plain = 0; bold = 1; italic = 2; bold-italic = 3).

size - the size of the font (in points).

It only returns it's correct value if it was explicitly set.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.font = 'Tahoma,1,11';
```

readOnly

Gets or sets the editable/read-only state of a field; true - read-only; false - editable; ! - the editable/read-only state is inverted (the opposite).

NOTE: A field set as read-only can be selected by clicking (or pressing the TAB key if this option is supported by the operating system) and the field data can be copied.

Returns

[Boolean](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//gets the editable/read-only state of the field
var currentState = %%elementName%%.readOnly;

//sets the editable/read-only state of the field
%%elementName%%.readOnly = !currentState;
```

tabIndex

Gets or sets the selected tab index for the specified tabpanel.

When setting the value either the tab index or the tab name can be used.

When getting the value, the tab index (not the name) will be returned all the time.

NOTE: In NGClient tabIndex is updated after form is shown (so onShow of form will have the old index)

Returns

[Object](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//gets the selected tab index of the tabpanel
var current = %%elementName%%.tabIndex;

//sets (goes to) the selected tabIndex of the tabpanel
%%elementName%%.tabIndex = current + 1;

//or sets (goes to) the tab with the specified name
%%elementName%%.tabIndex = 'tab_name';
```

toolTipText

Gets or sets the tool tip text of an element; text displays when the mouse cursor hovers over an element.

NOTE: HTML should be used for multi-line tooltips; you can also use any valid HTML tags to format tooltip text.

Returns

[String](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//gets the tooltip text of the element
var tooltip = %%elementName%%.toolTipText;

//sets the tooltip text of the element
%%elementName%%.toolTipText = "New tip";
%%elementName%%.toolTipText = "<html>This includes <b>bolded text</b> and <font color='blue'>BLUE</font> text as well.";
```

transparent

Gets or sets the transparency of an element; true - transparent; false - not transparent.

NOTE: transparency can be inverted using ! operator: elements.elementName.transparent = !elements.elementName.transparent;

NOTE: transparency will be mostly used for background color, a transparent element will receive the background of the element "beneath" it, a non transparent one will use its own background color

Returns

[Boolean](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//gets the transparency of the element
var currentState = %%elementName%%.transparent;

//sets the transparency of the element
%%elementName%%.transparent = !currentState;
```

visible

Gets or sets the visibility of an element; true - visible; false - not visible; ! - the visibility state is inverted (the opposite).

NOTE: The visibility of an element is not persistent; the state of visibility only applies to the current user in his/her current session.

Returns

[Boolean](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
//sets the element as visible
forms.company.elements.faxBtn.visible = true;

//gets the visibility of the element
var currentState = forms.company.elements.faxBtn.visible;

//sets the element as not visible when the current state is visible
forms.company.elements.faxBtn.visible = !currentState;
```

Methods Details**addStyleClass(styleName)**

Adds a style to the styleClass property. This works only for NGClient where multiple styles are supported.

Parameters

[String](#) styleName the name of the style class to add

Supported Clients

NGClient

Sample

```
%%elementName%%.addStyleClass('redbg');
```

addTab(form/formname, name, tabText, tooltip, iconURL, fg, bg, relatedfoundset/relationname, index)

Adds a relationless or related form as a tab in a specified tabpanel.

Parameters

Object form/formname	the specified form/form name you wish to add as a tab
Object name	the specified name for the tab or NULL (default is null)
Object tabText	the specified text for the tab (default is null)
Object tooltip	a specified tooltip for the tab (default is null)
Object iconURL	a specified icon image or icon URL for the tab (default is null)
Object fg	the HTML RGB Hexadecimal foreground color for the tab (default is null)
Object bg	the HTML RGB Hexadecimal background color for the tab (default is null)
Object relatedfoundset/relationname	the specified name of the related foundset (default is null)
Object index	the specified index of a tab, default is -1, will add tab to the end, this index is 0 based

Returns

[Boolean](#) a boolean value indicating if tab was successfully added

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.addTab(forms.orders, 'ordersTab', 'Orders', null, null, '#000000', '#BBCCEE');
```

getAbsoluteFormLocationY()

Returns the absolute form (designed) Y location.

Returns

[Number](#) The y location of the form in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var absolute_y = %%elementName%%.getAbsoluteFormLocationY();
```

getClientProperty(key)

Gets the specified client property for the element based on a key.

NOTE: Depending on the operating system, a user interface property name may be available.

Parameters

[Object](#) key user interface key (depends on operating system)

Returns

[Object](#) The value of the property for specified key.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var property = %%elementName%%.getClientProperty('ToolTipText');
```

getDesignProperties()

Get the design-time properties of an element.

Returns

[Object](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var prop = forms.orders.elements.mylabel.getDesignProperties()
```

getDesignTimeProperty(key)

Get a design-time property of an element.

Parameters

[String](#) key the name of the property

Returns

[Object](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var prop = forms.orders.elements.mylabel.getDesignTimeProperty('myprop')
```

getElementType()

Returns the type of a specified element.

Returns

[String](#) The display type of the element as String.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var et = %%elementName%%.getElementType();
```

getFormName()

Returns the name of the form. (may be empty string as well)

Returns

[String](#) The name of the form.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var name = %%elementName%%.getFormName();
```

getHeight()

Returns the height of the current element.

NOTE: getHeight() can be used with getWidth() to set the size of an element using the setSize function. For example:

```
//returns the width (w) and height (h)
var w = forms.company.elements.faxBtn.getWidth();
var h = forms.company.elements.faxBtn.getHeight();

//sets the new size
forms.company.elements.faxBtn.setSize(w,h);

//sets the new size and adds 1 px to both the width and height
forms.company.elements.faxBtn.setSize(w+1,h+1);
```

Returns

[Number](#) The height of the element in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var ht = %%elementName%%.getHeight();
```

getLocationX()

Returns the x location of the current element.

NOTE: getLocationX() can be used with getLocationY() to set the location of an element using the setLocation function. For Example:

```
//returns the X and Y coordinates
var x = forms.company.elements.faxBtn.getLocationX();
var y = forms.company.elements.faxBtn.getLocationY();

//sets the new location 10 px to the right; 10 px down from the current location
forms.company.elements.faxBtn.setLocation(x+10,y+10);
```

Returns

[Number](#) The x location of the element in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var x = %%elementName%%.getLocationX();
```

getLocationY()

Returns the y location of the current element. The method can only be used in Record view.

NOTE: getLocationY() can be used with getLocationX() to set the location of an element using the setLocation function. For Example:

```
//returns the X and Y coordinates
var x = forms.company.elements.faxBtn.getLocationX();
var y = forms.company.elements.faxBtn.getLocationY();

//sets the new location 10 px to the right; 10 px down from the current location
forms.company.elements.faxBtn.setLocation(x+10,y+10);
```

Returns

[Number](#) The y location of the element in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var y = %%elementName%%.getLocationY();
```

getMaxTabIndex()

Returns the maximum tab index for a specified tabpanel.

Returns

[Number](#) maximum tab index (number)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var max = %%elementName%%.getMaxTabIndex();
```

getMnemonicAt(i)

Returns the mnemonic for a specified tab of a tabpanel.

Parameters

[Number](#) i The number of the specified tab.

Returns

[String](#) The mnemonic.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var mnemonic = %%elementName%%.getMnemonicAt(3);
```

getName()

Returns the name of an element. (may be null as well)

Returns

[String](#) The name of the element.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var name = %%elementName%%.getName();
```

getTabFGColorAt(i)

Returns the foreground color for a specified tab of a tabpanel.

Parameters

[Number](#) i the number of the specified tab

Returns

[String](#) color as hexadecimal RGB string

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var color = %%elementName%%.getTabFGColorAt(3);
```

getTabFormNameAt(i)

Returns the form name for a specified tab of a tabpanel.

Parameters

[Number](#) i index of the tab

Returns

[String](#) the name of the form

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var formName = %%elementName%%.getSelectedTabFormName(3);
```

getTabNameAt(i)

Returns the name - the "name" design time property value - for a specified tab of a tabpanel.

Parameters

[Number](#) i The number of the specified tab.

Returns

[String](#) The tab name

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var tabName = %%elementName%%.getTabNameAt(3);
```

getTabRelationNameAt(i)

Returns the relation name for a specified tab of a tabpanel.

Parameters

[Number](#) i index of the tab

Returns

[String](#) relation name

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var relName = %%elementName%%.getTabRelationNameAt(3);
```

getTabTextAt(i)

Returns the text for a specified tab of a tabpanel.

Parameters

[Number](#) i The number of the specified tab.

Returns

[String](#) The tab text.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var tabText = %%elementName%%.getTabTextAt(3);
```

getWidth()

Returns the width of the current element.

NOTE: `getWidth()` can be used with `getHeight()` to set the size of an element using the `setSize` function. For Example:

```
//returns the width (w) and height (h)
var w = forms.company.elements.faxBtn.getWidth();
var h = forms.company.elements.faxBtn.getHeight();

//sets the new size
forms.company.elements.faxBtn.setSize(w,h);

//sets the new size and adds 1 px to both the width and height
forms.company.elements.faxBtn.setSize(w+1,h+1);
```

Returns

[Number](#) The width of the element in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var w = %%elementName%%.getWidth();
```

hasStyleClass(styleName)

Check if an element already have a style from the `styleClass` property.

Parameters

[String](#) `styleName` the name of the style class to be checked

Supported Clients

NGClient

Sample

```
%%elementName%%.hasStyleClass('redbg');
```

isTabEnabledAt(i)

Returns the enabled status of a specified tab in a `tabpanel`.

Parameters

[Number](#) `i` the number of the specified tab.

Returns

[Boolean](#) True if tab is enabled, false otherwise.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var status = %%elementName%%.isTabEnabledAt(3);
```

putClientProperty(key, value)

Sets the value for the specified element client property key.

NOTE: Depending on the operating system, a user interface property name may be available.

Parameters

[Object](#) `key` user interface key (depends on operating system)

[Object](#) `value` a predefined value for the key

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.putClientProperty('ToolTipText','some text');
```

removeAllTabs()

Removes all tabs for a specified tabpanel.

Returns

[Boolean](#) a boolean value indicating if tabs were successfully removed

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.removeAllTabs();
```

removeStyleClass(styleName)

Removes a style from the styleClass property. This works only for NGClient where multiple styles are supported.

Parameters

[String](#) styleName the name of the style class to remove

Supported Clients

NGClient

Sample

```
%%elementName%%.removeStyleClass('redbg');
```

removeTabAt(index)

Removes a specified tab in a tabpanel; can be based on a relation or relationless.

NOTE: In Servoy 4.x (and higher), the addTab function applies to relationless or related tabs in a tabpanel.

Parameters

[Object](#) index The index of the tab to remove.

Returns

[Boolean](#) a boolean value indicating if tab was successfully removed

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.removeTabAt(3);
```

setLocation(x, y)

Sets the location of an element. It takes as input the X (horizontal) and Y (vertical) coordinates - starting from the TOP LEFT side of the screen.

Please note that location should not be altered at runtime when an element is anchored. Use the solutionModel in such a situation.

NOTE: getLocationX() can be used with getLocationY() to return the current location of an element; then use the X and Y coordinates with the setLocation function to set a new location. For Example:

```
//returns the X and Y coordinates
var x = forms.company.elements.faxBtn.getLocationX();
var y = forms.company.elements.faxBtn.getLocationY();
```

```
//sets the new location 10 px to the right; 10 px down from the current location
forms.company.elements.faxBtn.setLocation(x+10,y+10);
```

Parameters

[Number](#) x the X coordinate of the element in pixels.

[Number](#) y the Y coordinate of the element in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.setLocation(200,200);
```

setMnemonicAt(index, text)

Sets the mnemonic for a specified tab in a tabpanel.

Parameters

Object index the number of the specified tab
Object text the text to be set for the specified tab

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.setMnemonicAt(3, 'a');
```

setSize(width, height)

Sets the size of an element. It takes as input the width and the height. Please note that size should not be altered at runtime when an element is anchored. Use the solutionModel in such a situation.

NOTE: getWidth() can be used with getHeight() to set the size of an element using the setSize function. For Example:

```
//returns the width (w) and height (h)
var w = forms.company.elements.faxBtn.getWidth();
var h = forms.company.elements.faxBtn.getHeight();

//sets the new size
forms.company.elements.faxBtn.setSize(w,h);

//sets the new size and adds 1 px to both the width and height
forms.company.elements.faxBtn.setSize(w+1,h+1);
```

Parameters

Number width the width of the element in pixels.
Number height the height of the element in pixels.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.setSize(20,30);
```

setTabEnabledAt(i, b)

Sets the status of a specified tab in a tabpanel.

Parameters

Number i the number of the specified tab.
Boolean b true if enabled; or false if disabled.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.setTabEnabledAt(3,true);
```

setTabFGColorAt(i, s)

Sets the foreground color for a specified tab in a tabpanel.

Parameters

Number i the number of the specified tab
String s the hexadecimal RGB color value to be set.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.setTabFGColorAt(3, '#000000');
```

setTabTextAt(index, text)

Sets the text for a specified tab in a tabpanel.

Parameters

[Object](#) index the number of the specified tab

[Object](#) text the text to be set for the specified tab

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
%%elementName%%.setTabTextAt(3, 'newTitle');
```