Form

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Supported Clients

SmartClient WebClient NGClient MobileClient

Property Summary

String	borderType	The type, color and style of border.
String	comment	
String	dataSource	The names of the database server and table that this form is linked to.
String	defaultPageFormat	The default page format for the form.
String	deprecated	Gets the deprecate info for this element
Object	designTimeProperties	Property to get and add design-time properties for a component.
Number	encapsulation	The encapsulation mode of this persist.
Number	extendsForm	The selected parent (extended element) for the element (form).
Boolean	formComponent	
String	initialSort	The default sort order only when the form loads.
String	name	The name of the form.
String	namedFoundSet	Property that tells the form to use a named foundset instead of the default foundset.
Number	navigator	The navigator (previously named "controller") that is used to control/navigate to the form.
Number	paperPrintScale	The percentage value the printed page is enlarged or reduced to; the size of the printed form is inversely proportional.
String	rowBGColorCalculation	The calculation dataprovider used to add background color and highlight selected or alternate rows.
Number	scrollbars	Scrollbar options for the vertical and horizontal scrollbars.
Number	selectionMode	Returns the value of the selectionMode property.
Boolean	showInMenu	When set, the form is displayed under the Window menu.
String	styleClass	The Cascading Style Sheet (CSS) class name applied to the form.
String	styleName	The name of the Servoy style that is being used on the form.
String	titleText	The text that displays in the title bar of the form window.
Boolean	transparent	When set, the form is transparent.
Number	view	The default form view mode.
Number	width	The width of the form in pixels.

Command Summary

void	onDeleteAllRecords	The method that overrides the Servoy menu item Select > Delete All.
void	onDeleteRecord	The method that overrides the Servoy menu item Select > Delete Record (or keyboard shortcut).
void	onDuplicateRecord	The method that overrides the Servoy menu item Select > Duplicate Record (or keyboard shortcut).
void	onFind	The method that overrides the Servoy menu item Select > Find (or keyboard shortcut) in Data (ready) mode.
void	onInvertRecords	The method that overrides the Servoy menu item Select > Invert Records.
void	onNewRecord	The method that overrides the Servoy menu item Select > New Record (or keyboard shortcut).
void	onNextRecord	The method that overrides the Servoy menu item Select > Next Record.
void	onOmitRecord	The method that overrides the Servoy menu item Select > Omit Record.
void	onPreviousRecord	The method that overrides the Servoy menu item Select > Previous Record.
void	onPrintPreview	The method that overrides the Servoy menu item File > Print Preview.
void	onSearch	The method that overrides the Servoy menu item Select > Search (or keyboard shortcut) in Find mode.
void	onShowAllRecords	The method that overrides the Servoy menu item Select > Show All (or keyboard shortcut).
void	onShowOmittedRecords	The method that overrides the Servoy menu item Select > Show Omitted Records.
void	onSort	The method that overrides the Servoy menu item Select > Sort.

Event Summary

Boolean	onBeforeHide(event)	This method is triggered when the form wants to hide; this will be called before onHide, and should be used to return if this form can be hidden or not.
Number	onDrag(event)	The method that is triggered when (non Design Mode) dragging occurs.
void	onDragEnd(event)	The method that is triggered when (non Design Mode) dragging end occurs.
Boolean	onDragOver(event)	The method that is triggered when (non Design Mode) dragging over a component occurs.
Boolean	onDrop(event)	The method that is triggered when (non Design Mode) dropping occurs.
Boolean	onElementDataChange(oldValue, newValue, event)	Method that is executed when the data in one of the form's component is successfully changed and the onDataChange callback from the component does not exist or exists and returned true

Boolean	onElementFocusGained(event)	The method that is triggered when focus is gained by a component inside the form.
Boolean	onElementFocusLost(event)	The method that gets triggered when focus is lost by a component inside the form.
void	onHide(event)	This method is triggered when the form gets hidden.
void	onLoad(event)	The method that is triggered when a form is loaded/reloaded from the repository; used to alter elements, set globals, hide toolbars, etc; onShow method can also be assigned.
Boolean	onRecordEditStart(event)	The method that is triggered when a user clicks into a column on the form.
Boolean	onRecordEditStop(record, event)	The method that is triggered when a record is being saved.
void	onRecordSelection(event)	The method that is triggered each time a record is selected.
void	onRender(event)	The method that is executed when the component is rendered.
void	onResize(event)	The method that gets triggered when resize occurs.
void	onShow(firstShow, event)	The method that is triggered EVERY TIME the form is displayed; an argument must be passed to the method if this is the first time the form is displayed.
void	onUnLoad(event)	The method that is triggered when a form is unloaded from the repository.

Property Details

borderType

```
The type, color and style of border.
This property is automatically set to "DEFAULT" when a new form is created.
```

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

comment

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

dataSource

```
The names of the database server and table that this form is linked to.
```

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

defaultPageFormat

```
The default page format for the form.
```

Returns

String

Supported Clients

SmartClient,WebClient

Sample

deprecated

```
Gets the deprecate info for this element
```

Returns

String the deprecate info for this element or null if it is not deprecated

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

designTimeProperties

```
Property to get and add design-time properties for a component.
```

Returns

Object map of the design-time properties

Supported Clients

SmartClient,WebClient,NGClient

Sample

encapsulation

```
The encapsulation mode of this persist. The following can be used/checked:

- Public (not a separate option - if none of the below options are selected)
- Hide in scripting; Module Scope - not available in scripting from any other context except the form itself.
Available in designer for the same module.
- Module Scope - available in both scripting and designer but only in the same module.
- Hide Dataproviders (checked by default)
- Hide Foundset (checked by default)
- Hide Controller (checked by default)
- Hide Elements (checked by default)
```

Returns

Number the encapsulation mode/level of the persist.

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

extendsForm

```
The selected parent (extended element) for the element (form).
```

Returns

Number the parent

Supported Clients

SmartClient,WebClient,NGClient

Sample

formComponent

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

initialSort

```
The default sort order only when the form loads.
This is applied each time an internal SQL query is being executed (find, find-all, open form); and is only
executed when no other manual sort has been performed on the foundset.
```

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

name

The name of the form.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

namedFoundSet

Property that tells the form to use a named foundset instead of the default foundset.
When "separate" as special value is specified the form will always create a copy of assigned foundset and therefor become separated from other foundsets.
When "empty" it will initially load an empty foundset.
When a global relation name it will load the a related foundset.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

navigator

The navigator (previously named "controller")
that is used to control/navigate to the form. The navigator is shown at
the left or at the right side of the form, depending on the page orientation.

The following options are available:
-none- - no navigator is assigned.
DEFAULT - the Servoy default navigator is assigned.
IGNORE - the navigator last assigned to a previous form.
Custom - a custom navigator based on a selected form.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

paperPrintScale

The percentage value the printed page is enlarged or reduced to; the size of the printed form
is inversely proportional. For example, if the paperPrintScale is 50, the printed form will be
enlarged 200%.

Returns

Number

Supported Clients

SmartClient,WebClient

Sample

rowBGColorCalculation

The calculation dataprovider used to add background color and highlight selected or alternate rows.
The default is -none-.

NOTE: This property has been deprecated and is kept visible for legacy purposes. Use CSS Row Styling & onRender event instead.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

scrollbars

Scrollbar options for the vertical and horizontal scrollbars. Each of the vertical and horizontal scrollbars can be configured to display all the time, to display only when needed or to never display.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient

Sample

selectionMode

Returns the value of the selectionMode property.

Returns

Number one of IForm#SELECTION_MODE_DEFAULT, IForm#SELECTION_MODE_SINGLE and IForm#SELECTION_MODE_MULTI.

Supported Clients

SmartClient,WebClient,NGClient

Sample

showInMenu

When set, the form is displayed under the Window menu.
If it is not set, the form will be 'hidden'.
NOTE: This is only applicable for Servoy Client. Servoy Developer always shows all forms so that developers have access to all forms within a solution during development.

Returns

Boolean

Supported Clients

SmartClient

Sample

styleClass

The Cascading Style Sheet (CSS) class name applied to the form.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

styleName

The name of the Servoy style that is being used on the form.

Returns

String

Supported Clients

SmartClient,WebClient

Sample

titleText

The text that displays in the title bar of the form window.
NOTE: Data tags and Servoy tags can be used as part of the title text.

Returns

String

Supported Clients

SmartClient,WebClient,NGClient

Sample

transparent

When set, the form is transparent.

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

view

The default form view mode.

The view can be changed using a method at runtime. The following views are available:
- Record view
- List view
- Record view (locked)
- List view (locked)
- Table View (locked)

NOTE: Only Table View (locked) uses asynchronized related data loading.
This feature defers all related foundset data loading to the background - enhancing
the visual display of a related foundset.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient

Sample

width

The width of the form in pixels.

Returns

Number

Supported Clients

SmartClient,WebClient,NGClient

Sample

Command Details

onDeleteAllRecords

The method that overrides the Servoy menu item Select > Delete All.
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onDeleteRecord

The method that overrides the Servoy menu item Select > Delete Record (or keyboard shortcut).
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onDuplicateRecord

The method that overrides the Servoy menu item Select > Duplicate Record (or keyboard shortcut).
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onFind

The method that overrides the Servoy menu item Select > Find (or keyboard shortcut) in Data (ready) mode.
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onInvertRecords

The method that overrides the Servoy menu item Select > Invert Records.
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onNewRecord

The method that overrides the Servoy menu item Select > New Record (or keyboard shortcut).
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onNextRecord

The method that overrides the Servoy menu item Select > Next Record.
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onOmitRecord

The method that overrides the Servoy menu item Select > Omit Record.
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onPreviousRecord

The method that overrides the Servoy menu item Select > Previous Record.
This property is automatically set to "DEFAULT" (no override) when the form is created.

Supported Clients

SmartClient

Sample

onPrintPreview

```
The method that overrides the Servoy menu item File > Print Preview.
This property is automatically set to "DEFAULT" (no override) when the form is created.
```

Supported Clients

SmartClient,WebClient

Sample

onSearch

```
The method that overrides the Servoy menu item Select > Search (or keyboard shortcut) in Find mode.
This property is automatically set to "DEFAULT" (no override) when the form is created.
```

Supported Clients

SmartClient

Sample

onShowAllRecords

```
The method that overrides the Servoy menu item Select > Show All (or keyboard shortcut).
This property is automatically set to "DEFAULT" (no override) when the form is created.
```

Supported Clients

SmartClient

Sample

onShowOmittedRecords

```
The method that overrides the Servoy menu item Select > Show Omitted Records.
This property is automatically set to "DEFAULT" (no override) when the form is created.
```

Supported Clients

SmartClient

Sample

onSort

```
The method that overrides the Servoy menu item Select > Sort.
This property is automatically set to "DEFAULT" (no override) when the form is created.
```

Supported Clients

SmartClient,WebClient,NGClient

Sample

Event Details

onBeforeHide(event)

This method is triggered when the form wants to hide; this will be called before onHide, and should be used to return if this form can be hidden or not.
Before the form is really going to hide, this form and all the forms that this form is also showing in its ui hierarchy must allow the hide (return true in onBeforeHide - if present).
For example, when using onBeforeHide with showFormInDialog, the form will not close by clicking the dialog close box (X) if the main form in the dialog or any
of the other visible forms in tabpanels/containers are nested in the main are returning false.

If the hide operation is allowed for all the forms that are in the affected visible hierarchy, then the onHide handler/method will get called on them as well afterwards.

So this handler (on each form) can be used to validate input in the main form and/or any nested visible forms - that are getting ready to hide.

Parameters

JSEvent event the event that triggered the action

Returns

Boolean

Supported Clients

NGClient

Sample

onDrag(event)

The method that is triggered when (non Design Mode) dragging occurs.

Parameters

JSDNDEvent event the event that triggered the action

Returns

Number

Supported Clients

SmartClient,WebClient

Sample

onDragEnd(event)

The method that is triggered when (non Design Mode) dragging end occurs.

Parameters

JSDNDEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient

Sample

onDragOver(event)

The method that is triggered when (non Design Mode) dragging over a component occurs.

Parameters

JSDNDEvent event the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient

Sample

onDrop(event)

The method that is triggered when (non Design Mode) dropping occurs.

Parameters

JSDNDEvent event the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient

Sample

onElementDataChange(oldValue, newValue, event)

Method that is executed when the data in one of the form's component is successfully changed and the onDataChange callback from the component does not exist or exists and returned true

Parameters

Object	oldValue	old value
Object	newValue	new value
JSEvent	event	the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

onElementFocusGained(event)

The method that is triggered when focus is gained by a component inside the form.

Parameters

JSEvent	event	the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

onElementFocusLost(event)

The method that gets triggered when focus is lost by a component inside the form.

Parameters

JSEvent	event	the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

onHide(event)

This method is triggered when the form gets hidden.

Return value is DEPRECATED: false return value should no longer be used. In the past, if the onHide method returned false, the form hide could be prevented from happening
in some cases (for example, when using onHide with showFormInDialog, the form will not close by clicking the dialog close box (X)). But that lead to
unexpected situations when the form being hidden had visible nested children it it (tab panels, splits etc.) because only the current form would
decide if hide could be denied, and all other forms, even if they returned false in their on-hide, would not be able to block the hide if this form allowed it.
So those nested forms might think that they are still visible even though they are not.

Please use the new onBeforeHide method/handler instead if you want to prevent forms from hiding.

Parameters

JSEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

onLoad(event)

```
The method that is triggered when a form is loaded/reloaded from the repository; used to alter elements, set
globals, hide toolbars,
etc; onShow method can also be assigned.
NOTE: onShow should be used to access current foundset dataproviders; onLoad cannot be used because the
foundset data is not loaded until after the form is loaded.
Also calls to loadRecords() should be done in the onShow method and not in the onLoad method
If you call loadRecords() in the onShow method, you may want to set the namedFoundSet property of the form to
'empty' to prevent the first default form query.
NOTE: the onLoad event bubbles down, meaning that the onLoad is first fired on the parent then on a tab in a
tabpanel (and in tab of that tab panels if you are 3 deep)
```

Parameters

JSEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

onRecordEditStart(event)

```
The method that is triggered when a user clicks into a column on the form.
NOTE: There is a small "e" displayed in the lower left side of the Servoy Client screen in the status area at
the bottom of the window when the record is being edited.
```

Parameters

JSEvent event the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

onRecordEditStop(record, event)

```
The method that is triggered when a record is being saved.
A record is saved when a user clicks out of it (for example on an empty part of the layout or to another form).
When the method returns false (for example as part of a validation), the user cannot leave the record, for
example in
a table view a user cannot move to another record when the callback returns false.
```

Parameters

JSRecord record record being saved
JSEvent event the event that triggered the action

Returns

Boolean

Supported Clients

SmartClient,WebClient,NGClient

Sample

onRecordSelection(event)

```
The method that is triggered each time a record is selected.
If a form is in List view or Special table view - when the user clicks on it.
In Record view - after the user navigates to another record using the slider or clicks up or down for next
/previous record.
NOTE: Data and Servoy tag values are returned when the onRecordSelection method is executed.
NOTE: this will also fire if the selection goes to -1 because the foundset is cleared. So foundset.
getSelectedRecord() can return null.
```

Parameters

JSEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

onRender(event)

```
The method that is executed when the component is rendered.
```

Parameters

JSRenderEvent event the render event

Supported Clients

SmartClient,WebClient

Sample

onResize(event)

```
The method that gets triggered when resize occurs.
```

Parameters

JSEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient,NGClient

Sample

onShow(firstShow, event)

```
The method that is triggered EVERY TIME the form is displayed; an argument must be passed to the method if this
is the first time the form is displayed.

NOTE: onShow can be used to access current foundset dataproviders; onLoad cannot be used because the foundset
data is not loaded until after the form is loaded.

NOTE: the onShow event bubbles down, meaning that the onShow event of a form displayed in a tabPanel is fired
after the onShow event of the parent.
```

Parameters

Boolean firstShow form is shown first time after load
JSEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient,NGClient,MobileClient

Sample

onUnLoad(event)

```
The method that is triggered when a form is unloaded from the repository.
NOTE: Forms can be prevented from being removed from memory by referencing the form object in a global variable
or inside an array inside a global variable. Do take care using this technique.
Forms take up memory and if too many forms are in memory and cannot be unloaded, there is a possibility of
running out of memory.
```

Parameters

JSEvent event the event that triggered the action

Supported Clients

SmartClient,WebClient,NGClient

Sample