

Form

Command Summary

[onDeleteAllRecords](#)

The method that overrides the Servoy menu item Select > Delete All.

[onDeleteRecord](#)

The method that overrides the Servoy menu item Select > Delete Record (or keyboard shortcut).

[onDuplicateRecord](#)

The method that overrides the Servoy menu item Select > Duplicate Record (or keyboard shortcut).

[onFind](#)

The method that overrides the Servoy menu item Select > Find (or keyboard shortcut) in Data (ready) mode.

[onInvertRecords](#)

The method that overrides the Servoy menu item Select > Invert Records.

[onNewRecord](#)

The method that overrides the Servoy menu item Select > New Record (or keyboard shortcut).

[onNextRecord](#)

The method that overrides the Servoy menu item Select > Next Record.

[onOmitRecord](#)

The method that overrides the Servoy menu item Select > Omit Record.

[onPreviousRecord](#)

The method that overrides the Servoy menu item Select > Previous Record.

[onPrintPreview](#)

The method that overrides the Servoy menu item File > Print Preview.

[onSearch](#)

The method that overrides the Servoy menu item Select > Search (or keyboard shortcut) in Find mode.

[onShowAllRecords](#)

The method that overrides the Servoy menu item Select > Show All (or keyboard shortcut).

[onShowOmittedRecords](#)

The method that overrides the Servoy menu item Select > Show Omitted Records.

[onSort](#)

The method that overrides the Servoy menu item Select > Sort.

Event Summary

Number	onDrag The method that is triggered when (non Design Mode) dragging occurs.
	onDragEnd The method that is triggered when (non Design Mode) dragging end occurs.
Boolean	onDragOver The method that is triggered when (non Design Mode) dragging over a component occurs.
Boolean	onDrop The method that is triggered when (non Design Mode) dropping occurs.
Boolean	onElementFocusGained The method that is triggered when focus is gained by a component inside the form.
Boolean	onElementFocusLost The method that gets triggered when focus is lost by a component inside the form.
Boolean	onHide The method that is triggered when another form is being activated.
	onLoad 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 The method that is triggered when a user clicks into a column on the form.
Boolean	onRecordEditStop The method that is triggered when a record is being saved.
	onRecordSelection The method that is triggered each time a record is selected.
	onRender The method that is executed when the component is rendered.
	onResize The method that gets triggered when resize occurs.
	onShow 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.
	onUnload The method that is triggered when a form is unloaded from the repository.

Property Summary

String	borderType The type, color and style of border.
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).
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 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.

Parameters

{[JSEvent](#)} event - the event that triggered the action

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.

Parameters

{[JSEvent](#)} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{Boolean} clear - clear last results
{Boolean} reduce - reduce search
{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{JSEvent} event - the event that triggered the action

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.

Parameters

{String} dataProviderID - element data provider

{Boolean} asc - sort ascending [true] or descending [false]

{JSEvent} event - the event that triggered the action

Event Details

onDrag

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

Parameters

{JSDNDEvent} event - the event that triggered the action

Returns

Number

onDragEnd

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

Parameters

{JSDNDEvent} event - the event that triggered the action

onDragOver

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

onDrop

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

Parameters

{JSDNDEvent} event - the event that triggered the action

Returns

Boolean

onElementFocusGained

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

onElementFocusLost

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

onHide

The method that is triggered when another form is being activated.

NOTE: If the onHide method returns false, the form can be prevented from hiding.

For example, when using onHide with showFormInDialog, the form will not close by clicking the dialog close box (X).

Parameters

{[JSEvent](#)} event - the event that triggered the action

Returns

[Boolean](#)

onLoad

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

onRecordEditStart

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](#)

onRecordEditStop

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](#)

onRecordSelection

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.

Parameters

{[JSEvent](#)} event - the event that triggered the action

onRender

The method that is executed when the component is rendered.

Parameters

{[JSRenderEvent](#)} event - the render event

onResize

The method that gets triggered when resize occurs.

Parameters

{[JSEvent](#)} event - the event that triggered the action

onShow

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

onUnLoad

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

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](#)

dataSource

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

Returns

[String](#)

defaultPageFormat

The default page format for the form.

Returns

[String](#)

deprecated

Gets the deprecate info for this element

Returns

[String](#) - the deprecate info for this element or null if it is not deprecated

designTimeProperties

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

Returns

[Object](#) - map of the design-time properties

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.

extendsForm

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

Returns

[Number](#) - the parent

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](#)

name

The name of the form.

Returns

String

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

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

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

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

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

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.

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

styleClass

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

Returns

[String](#)

styleName

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

Returns

[String](#)

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](#)

transparent

When set, the form is transparent.

Returns

[Boolean](#)

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](#)

width

The width of the form in pixels.

Returns

[Number](#)