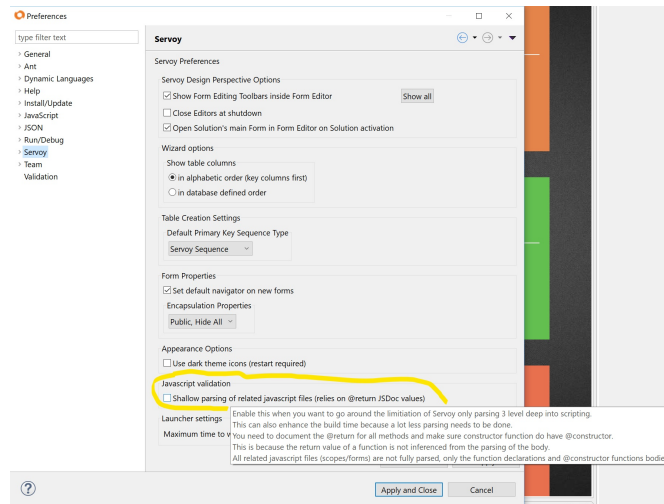


8.3.1 RC

We added a property in the Servoy global preference page:



When that property is enabled, the validation of javascript through parsing the files is working differently.

It will then not fully parse referenced js files that are references like:

```
var myVariableFromOtherScope = scopes.otherscope.giveAnObject();
```

Currently if you have this in you js file (form or scope) then that "otherscope.js" is also fully parsed, with that property enabled otherscope.js is only partially parsed by only parsing the function declarations. Because of this @return is very important to have in the JSDoc on all functions that return something. Because the parser will not be able to see it from the function itself because the body is not parsed.

Currently there is also a problem if we parse the otherscope.js file because you are in "currentscope.js" then if otherscope.js also reference again thirthscope.js that scope will not be fully parsed. This is because of performance reasons (parsing one file could result in parsing everything)

And the side effect of that is that if thirthscope.js returns objects again from other files that those objects are not seen by the current file that you are editing (so no code completion or validation).

With this new property this is also fixed.

If you have constructor functions that assign stuff to the "this" these functions have to have @constructor in the jsdoc. because those bodies will be parsed. If we wouldn't do that then objects properties wouldn't be seen.

So as long as you document your function correctly by having @return and @constructor everywhere. The checking of that property could result in a lot less memory usage, and much faster parsing. Besides the fixing of the problem of deeply nested javascript files that resulted in not seen return values that it should see.

We like to have feedback for this property, to see if we can enable this by default in 8.4

The debugger is also changed a bit so that getting variable values that displayed in the variables view in the debugger are get differently. All commands that are send between the debugger in the developer and the Client are now executed through multiply threads. This way they won't block each other. So please check in this release candidate how the debugger works, (stepping over, stepping out and monitor the variables view if that is updating correctly)

The http plugin has some enhancements, now the async method on the request (get/put) can handle now many at the same time, we also added a close() method on the HttpClient that should be called if you are done with it. Servoy will auto close them when the solution is closed.

The rest_ws plugin has now also client side scripting, for interacting with the real Request and Response objects, so you can get or set headers. This api only works inside a rest_ws calls when there is an active request.

Small change in behavior: foundset.loadRecords(foundset2) or controller.loadRecords(foundset2) (when the foundset that the form has is a separate foundset) are behaving a bit different now when the "foundset2" has filters. Those filters are now applied in the foundset where you load into.

Issues fixed in this release:

Components	Key	Summary
Developer, NGClient	SVY-12278	In mem database calculations not re-evaluated
Developer	SVY-12364	datasources code completion shows hidden views
Developer	SVY-12368	Checking on a branch containing new in-mem tables gives error markers that only disappear after restart
Developer	SVY-12392	Locate Servoy Resources doesn't show tables anymore
Developer	SVY-12400	Show form properties in new designer when clicked in empty area
Developer	SVY-12377	the toolbar button 'Vertical Centers' reverses the order of the form elements
Developer	SVY-12443	Cannot open/read/change properties of a web component anymore
Developer	SVY-12403	column with string converter gives warning
Developer, Server	SVY-12181	Progress DB Sequences Issues
Developer	SVY-12513	setting of valuelist at runtime is giving a null pointer exception
Developer	SVY-12521	debugger hangs when saving a file when debugging
Developer	SVY-12417	Exception on WebObjectRegistry (should use a concurrent?)
Developer	SVY-12523	Buildmarker issue in pre-/post-import hook modules
Developer	SVY-12470	improve validation/code completion of servoy scripting
Developer	SVY-12463	SQLServer default connection url should use selectMethod direct
Developer, DLTK	SVY-10927	Incorrect buildmarker on function parameter
Extensions, NGClient	SVY-12287	AG Grid: Using related foundsets is not working
Extensions	SVY-12260	Supply the http headers of an incoming rest_ws call
Extensions, NGClient	SVY-12284	AG Grid: Configure grid columns
Extensions	SVY-12309	Sending JavaScript Object with null values as methodArguments into a menuitem doesn't get revived properly on callback
Extensions, NGClient	SVY-12283	AG Grid: Editable Grid
Extensions, NGClient	SVY-12398	Width of servoy-extra-components table shrink when scroll is shown
Extensions, NGClient	SVY-12285	AG Grid: Persist configuration
Extensions, NGClient	SVY-12289	AG Grid: Sorting is not working properly
Extensions, NGClient	SVY-12290	AG Grid: Grouping on empty/null values doesn't work
Extensions, NGClient	SVY-12288	AG Grid: Issue with column that has no data provider set
Extensions	SVY-12395	AGGrid: Use of showColumnsMenuTab property results in wrong sizes
Extensions	SVY-12430	svyExtraTable causes a foundset query to be fired more than once
Extensions	SVY-12435	bootstrap tabpanel misses onTabChange event handler
Extensions, NGClient	SVY-12505	AG-Grid: Strange behavior when tabbing / clicking through editable grid
Extensions, NGClient	SVY-12504	AG Grid: onDataChange event for grid or grid columns
Extensions	SVY-12515	Make callback parameter of plugins.headlessclient.JSClient.queueMethod optional

Extensions	SVY-12516	Swallow ExitScriptException in HeadlessClient plugin when the queued method exists the HC
Extensions	SVY-12518	AG-Grid: Arrow keys to change selected record
Extensions, NGClient	SVY-12506	AG-Grid: Incorrect tabbing on focus lost of edited field
Extensions	SVY-12538	support concurrent (async) requests on an HttpClient instance
Extensions, NGClient	SVY-12484	Combobox not showing selected option
Extensions, NGClient	SVY-12427	Aggrid scrolls back up to top once the user scrolls past cached limit
Extensions	SVY-12525	AGGrid: newColumn (and remove) support
NGClient	SVY-12371	Need to replace trailing zeros with spaces on number type field
NGClient	SVY-12005	dataprovider based on relation does not refresh
NGClient	SVY-12373	in NG in the onAction of a calendarfield you don't get the new value
NGClient	SVY-12365	Ag-grid doesn't support MEDIA columns
NGClient, WebClient	SVY-12385	add property to override (or use) X-Forwarded-xxx (scheme and host) when creating full urls
NGClient	SVY-12311	Tab Order
NGClient	SVY-12452	Errors in browser console when using onDataChange with a combobox in NG Client
NGClient	SVY-12455	Select2Tokenizer and Collapsible not useable with IE11
NGClient	SVY-12401	warning message with plugins.dialogs
NGClient	SVY-12502	Grouping Grid rows with no data_provider return -1 as columnIndex
NGClient	SVY-12478	New 8.3 getWebComponents() does return them but they can't be changed due to NPE
NGClient	SVY-12406	Bootstrap tabpanel - removeAtTab and history.removeForm
NGClient	SVY-12462	showFormPopup does not close on a modal form
NGClient	SVY-12524	wrong reference to templates path
NGClient	SVY-12473	Bug in Gelders project
NGClient	SVY-12537	Log messages due to color value mismapping in Sablo?
NGClient	SVY-12544	Adding a column with a styleClassDataprovider breaks the grouping
NGClient	SVY-12527	build and test Servoy 8.3.1 rc
NGClient	SVY-12522	Warning generated in the log when invoking an internalApi method from the browser sending in a parameter with a property of type media
NGClient	SVY-12511	Ability to configure slight delay for showing "Reconnecting..." overlay in the NGClient
NGClient	SVY-12459	readOnly Issue with tabs added at runtime
Runtime	SVY-12467	Error using the foundset updater
Server	SVY-11737	solution Import writes a lot of messages of level WARN to the log, which are not warnings but informational
Server	SVY-12410	Array columns are read as string in stead of arrays
Server	SVY-12445	Can't deploy war with Servoy 8.3
Server	SVY-12421	Audit not working
Server	SVY-10175	DB server goes offline with a ORA-01424 error.
Server	SVY-12509	Update from servoy 7.4.8 to 8.3.0 Fails to upgrade repository when auto-upgrade enable using "-upgradeRepository" flag set in exported war file
Server	SVY-12543	Give jmx dbcp pool names the name of the db server
Server	SVY-12529	lineBreaks missing in Script Stack Traces that Servoy automatically adds to logmessages
Server	SVY-12426	Tomcat/war won't start second time/after import due to a deadlock
SmartClient	SVY-12397	Error calling getFormScope on a destroyed DataAdapterList on Servoy 8.3 rc2

SmartClient	SVY-12481	smart client solution caching with active solution WAR deployment doesn't cache or returns old values
SmartClient	SVY-12441	form style bottom or top borders showing over footer or table view column headers
WebClient	SVY-12302	Focus not working on listview
WebClient	SVY-12097	tabindex does not work as expected
WebClient	SVY-12519	Servoy 8.3.0, When selecting a different record on a second view it gets changes from previous record edited on first view