Composer Help

Debugging Toolbars

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Debugging Toolbars

Contents

In GVP and ORS Debugging perspectives, the first pane contains Debug and Navigator views. The second pane contains views for Variables, Breakpoints, and Expressions. A GVP example is shown below.
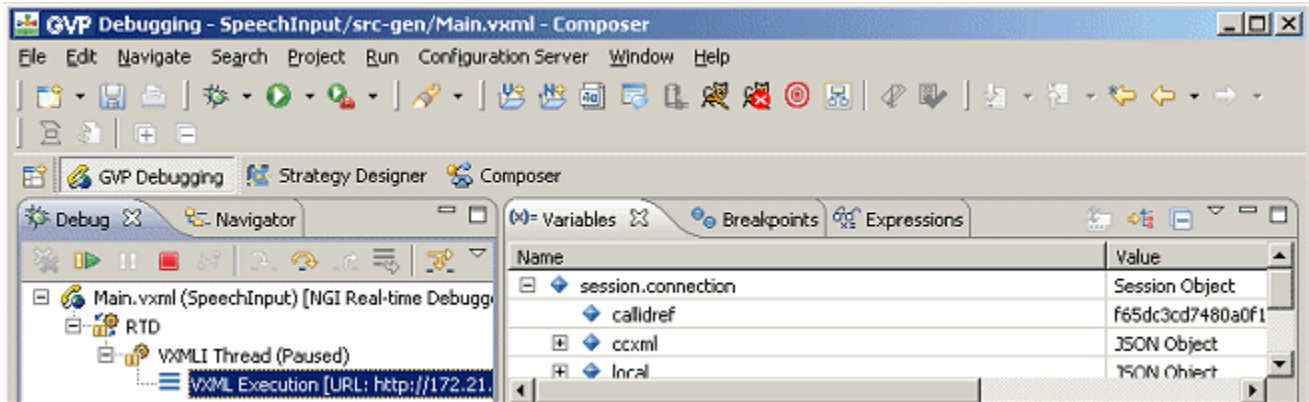
Debug View

The Debug view shows the name of the callflow or workflow diagram being debugged, as well as the status of the debug progress or result.
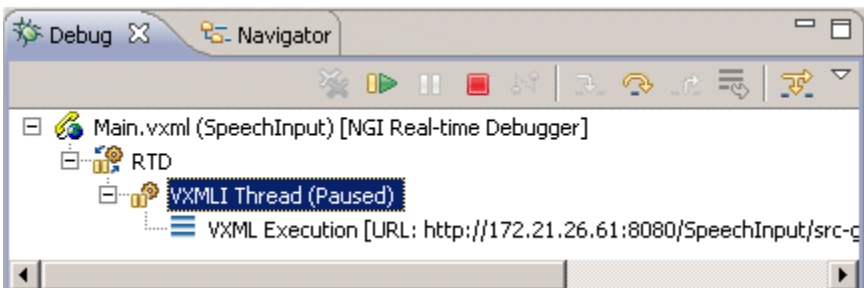
Each toolbar button is identified in the table below.

	Remove All Terminated Launches Select to clear the Debug view of all terminated launches.
	Resume Select to resume the execution of the currently suspended debug target.
	Suspend [Not supported in Composer]

	Terminate
	Select to terminate the launch associated with the selected debug target. Once a launch is terminated it can be automatically removed from the Debug view. When using the ORS Debugger, Terminate means that the session in ORS will end along with the debugging session.
	Disconnect
	Not supported for the GVP Debugger. When using the ORS Debugger, Disconnect means that the debugging session ends, but ORS will continue executing the SCXML.
	Step Into
	Disabled for both routing and voice applications.
	Step Over
	Step Over is the only way to step for both routing and voice applications. Select to step over the next method call (without entering it) at the currently executing line of code. Even though the method is never stepped into, the method will be executed normally.
	Step Return
	[Not supported in Composer]
	Drop to Frame
	[Not supported in Composer]
	Use Step Filters
	[Not supported in Composer]
	View Menu
	Select from the following: • View Management • Java (then select from: Show Monitors, Show System Threads, Show Qualified Names, Show Thread Groups)

Navigator View

The Navigator view shows the same Project folder structure shown in the Project Explorer window of the Composer perspective.
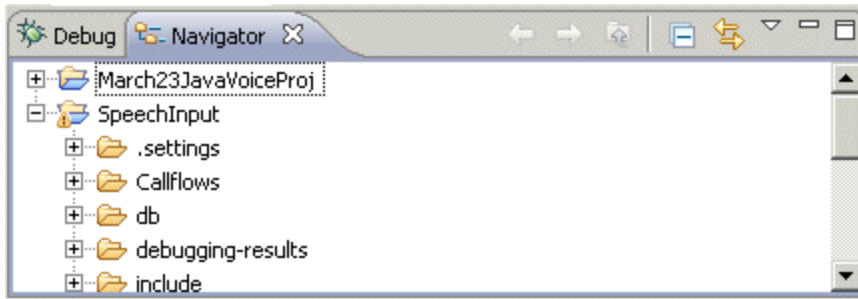
Each toolbar button on the Navigator toolbar is identified in the table below.

	Back Moves back.
	Forward Moves forward.
	Up Navigate up one level in the hierarchy
	Collapse All Select to collapse all of the current elements in the view.
	Link Open Editors When you have multiple files open for editing, select to bring an open file to the foreground (make its editor session the active editor) every time you select that open file in one of the navigation views.
	View Menu Select to show additional actions for this view. • Select Working Set. Working sets group elements for display in views or for operations on a set of elements. The navigation views use working sets to restrict the set of resources that are displayed. If a working set is selected in the navigator, only resources, children of resources, and parents of resources contained in the working set are shown. • Deselect Working Set. Deselects the active working sets. All elements are shown after invoking this action. • Edit Active Working Set. Opens the Edit Working Set wizard to edit the currently active working set. • Sort (by name or type).

	• Filters (class, JETEmitters, general, or *). • Link with Editor. Brings an open file to the foreground (makes its editor session the active editor) every time you select that open file in one of the navigation views.

Variables View

The Variables view displays information about the variables associated with the stack frame selected in the Debug view. When debugging a Java program, variables can be selected to have more detailed information as displayed below. In addition, Java objects can be expanded to show the fields that a variable contains.
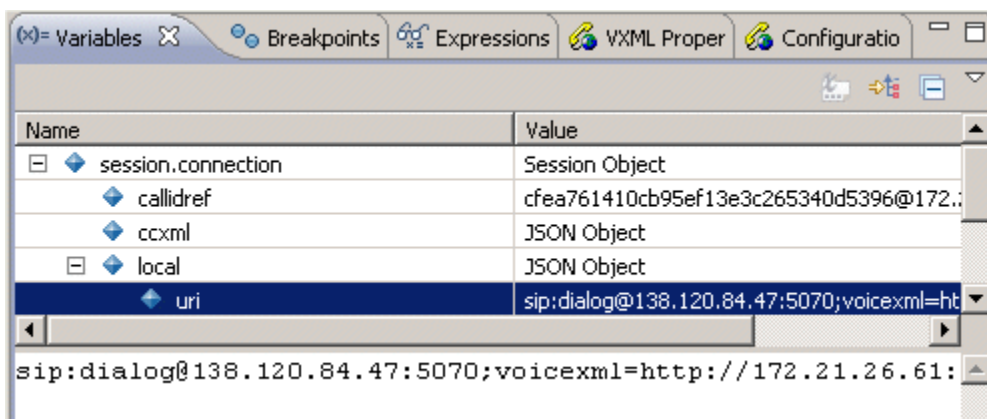
Each toolbar button in the Variables view is identified in the table below.

	Show Type Names Select to change if type names should be shown in the view or not. Unavailable when columns are displayed. Hint: Select Layout from View menu and de-select Show Columns.
	Show Logical Structure Select to change if logical structures should be shown in the view or not.
	Collapse All Select to collapse all the currently expanded variables.
	View Menu Select from the following: • Layout: Vertical View Orientation, Horizontal

	View Orientation, Variables view Only, Show Columns, Select Columns.
	• Java: Show Constants, Show Static Variables, Show Qualified Names, Show Null Array Entries, Show References, Java Preferences.

Breakpoints View

The Breakpoints view and toolbar manage breakpoints within a debugging session.
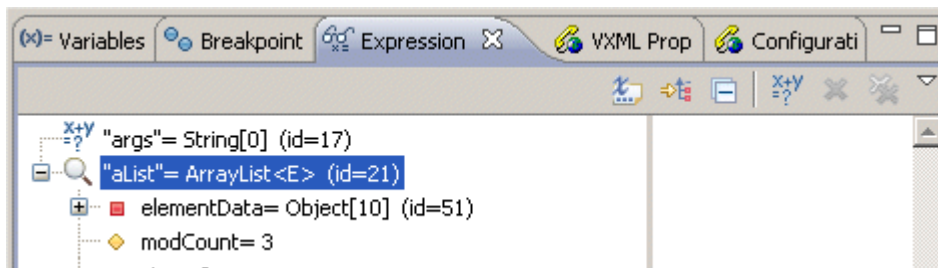
Each toolbar button in the Breakpoints view is identified in the table below.

	Remove Selected Breakpoints Select to clear all selected breakpoints.
	Remove All Breakpoints Select to clear all breakpoints.
	Show Breakpoints Supported by Selected Targets Select to show all breakpoints supported by the selected targets.
	Go To File For Breakpoint [Not supported in Composer]
	Skip All Breakpoints Select to skip over all breakpoints.
	Create URL Breakpoint Select to create a breakpoint that uses a URL.
	Expand All Select to expand all the current breakpoints.
	Collapse All Select to collapse all the current breakpoints.
	Link With Debug View [Not supported in Composer]
	Add Java Exception Breakpoint

|	
	Select to open a dialog box where you can: • Type a string that is contained in the name of the exception you want to add. You can use wildcards as needed ("* " for any string and "? " for any character). • Select the exception types you want to add. • Select Caught and Uncaught as needed to indicate on which exception type you want to suspend the program. [This option is not relevant to GVP Debugging in Composer.]
▽	**View Menu** Select from the following: • Group By: Breakpoints, Breakpoint Types, Breakpoint Working Sets, Files, Projects, Resource Working Sets, Advanced... • Default Working Set • Deselect Default Working Set • Working Sets • Show Qualified Names

Expressions View

Use the Expressions view to inspect data from a stack frame of a suspended thread, and other places.

Each toolbar button in the Expressions view is identified in the table below.

	Show Type Names Select to change if type names should be shown in the view or not. Unavailable when columns are displayed. Hint: Select Layout from View menu and de-select Show Columns.

	Show Logical Structure Select to change if logical structures should be shown in the view or not.
	Collapse All Select to collapse all the currently expanded expressions.
	Create a New Watch Expression Select to open the Create New Expression dialog box, which allows you to create a new watch expression based on the selected variable and add it to the Expressions View.
	Remove Selected Expressions Select to remove the selected expressions.
	Remove All Expressions Select to remove all expressions.
	View Menu Select from the following: • Layout: Vertical View Orientation, Horizontal View Orientation, Expressions View Only. • Java: Show Constants, Show Static Variables, Show Qualified Names, Show Null Array Entries, Show References, Java Preferences.