News in RSA-RTE 10.2

updated for sprint 2017.37

Mattias Mohlin, September 2017

IBM

Overview

- **Now based on Eclipse Oxygen (4.7)**

- **RSARTE 10.2 is currently an experimental release! Not everything that is present in RSARTE 10.1 is included yet. For example, EGit is not yet available.**
  - See the What's New presentation for RSARTE 10.1 to learn about new features that are also present in version 10.1

IBM Rational® Software Architect RealTime Edition
*** EXPERIMENTAL ***
Version: 10.2.0.v20170918_1055
Release: 2017.40

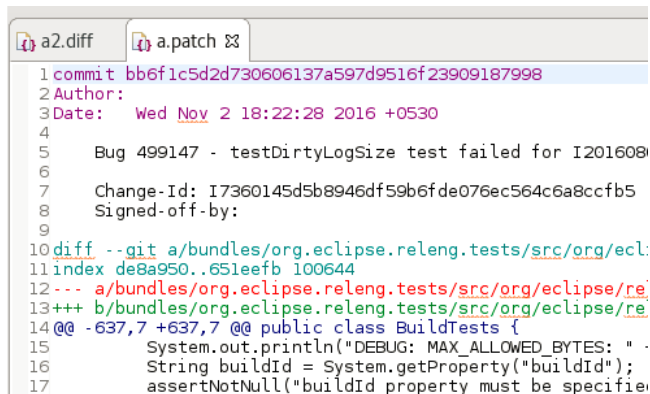(c) Copyright IBM Corporation 2004, 2016. All rights reserved.
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Visit http://www.ibm.com/developerworks/connect/rsarte

Eclipse 4.7 (Oxygen)

- New text editor ("Generic Text Editor")
  - Has some general improvements, such as support for syntax highlighting of .patch and .diff files

- Easier to associate files with special extensions to an appropriate editor
  - Select the file and do *Open with – Other...*
  - Specify an internal Eclipse editor, or an external program
  - For example, set .tc.js files to be opened with your favorite text editor

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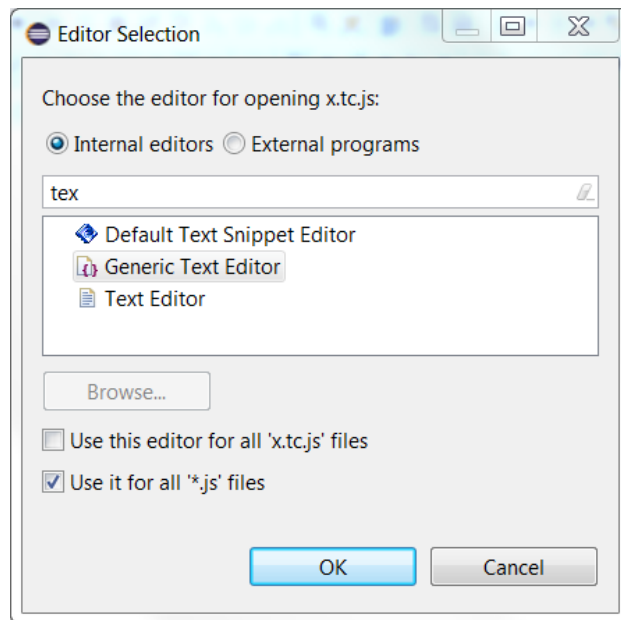
Eclipse 4.7 (Oxygen)

- Swapping left and right side when doing textual compare/merge
  - Useful if selecting files so they were compared in the "wrong" order
  - Available for all text files, and also in the new text merge editor


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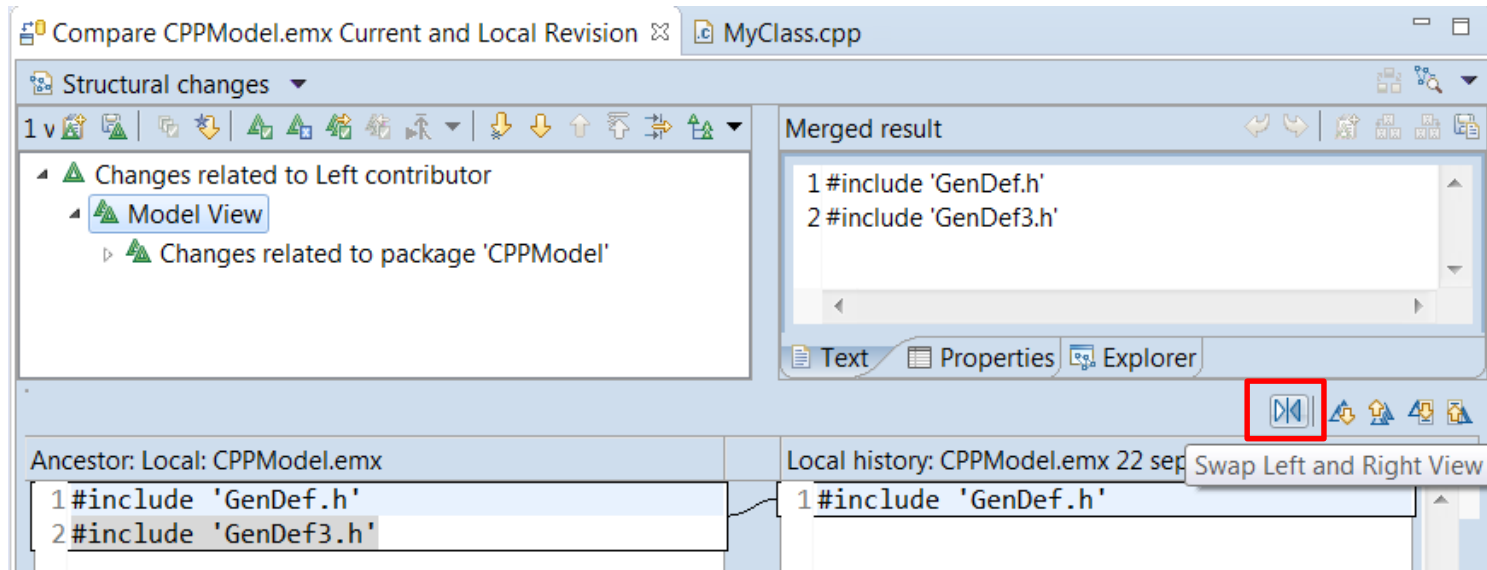
Eclipse 4.7 (Oxygen)

- It's now possible to switch between open editors using Ctrl+E even when the editor area has been split to show more than one editor at the same time
  - Especially useful for users with big screens who often show more than one editor at the same time
  - Tooltip with open editors now appear in the middle of the screen to make it easier to notice
  - Navigation to subsequent editors can now be done using Ctrl+E instead of having to use arrow keys or mouse
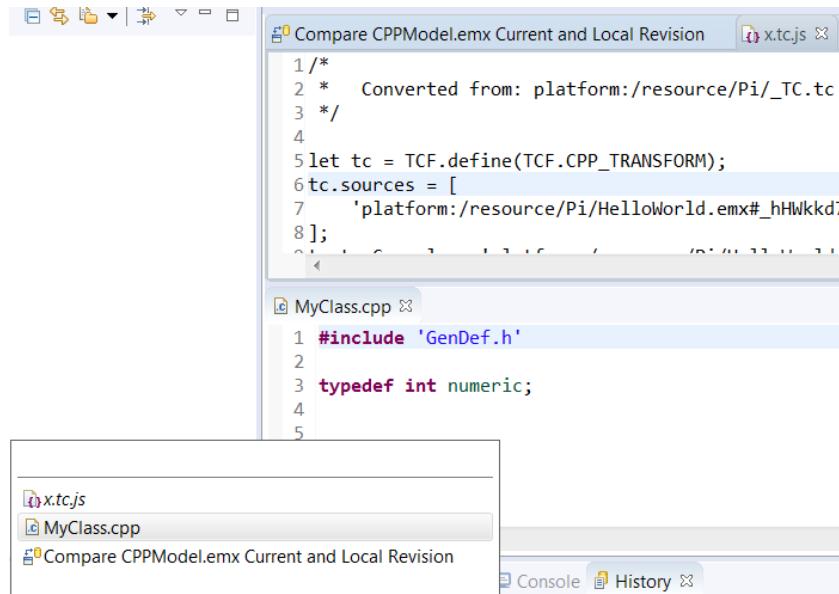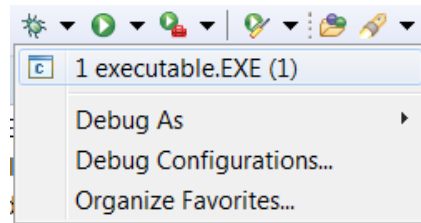
Eclipse 4.7 (Oxygen)

- Support for launch groups
  - A new type of launch configuration that can contain other launch configurations
  - Makes it easier to debug applications that require multiple executables to be launched
  - Possible to customize the rules for when and how the contained launch configurations should be launched
  - N.B. CDT previously provided a similar launch group feature, and it is now deprecated

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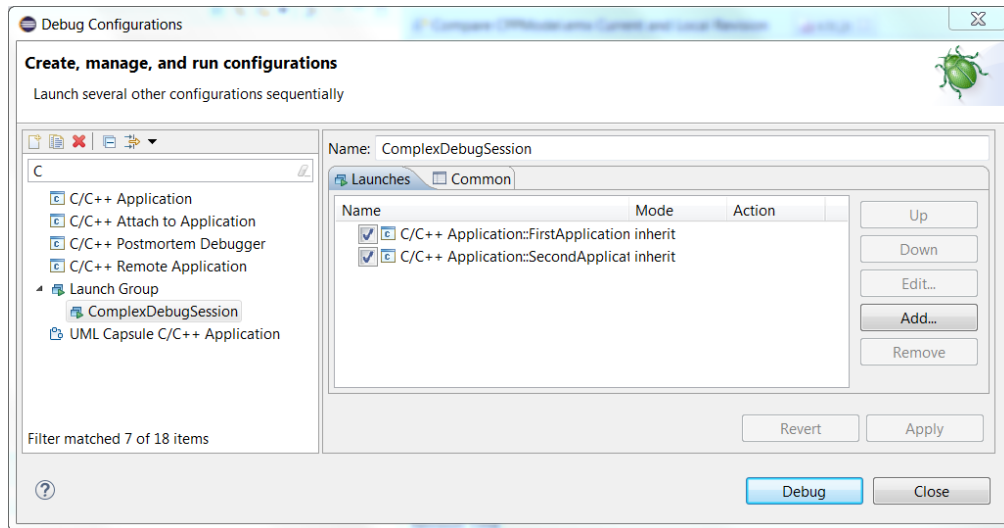
Eclipse 4.7 (Oxygen)

- Terminate and Relaunch
  - The default Eclipse behavior is to always launch a new debug session, when launching from the history in the Debug and Run button menus.
  - Now you can press Shift when launching from the history to automatically terminate the previous session before launching a new session
  - A new preference *Run/Debug – Launching – Terminate and Relaunch while launching* can be set if you always prefers this behavior (without pressing Shift)
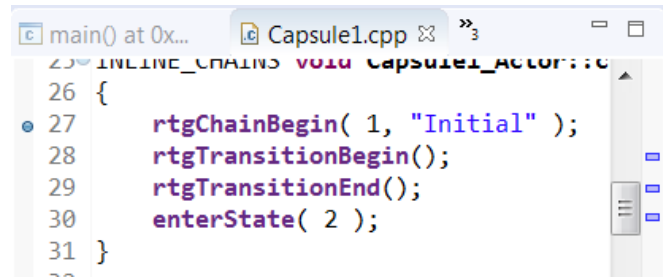
- Sorting breakpoints by creation date
  - Useful when there are many breakpoints and you want to see the newest one on top

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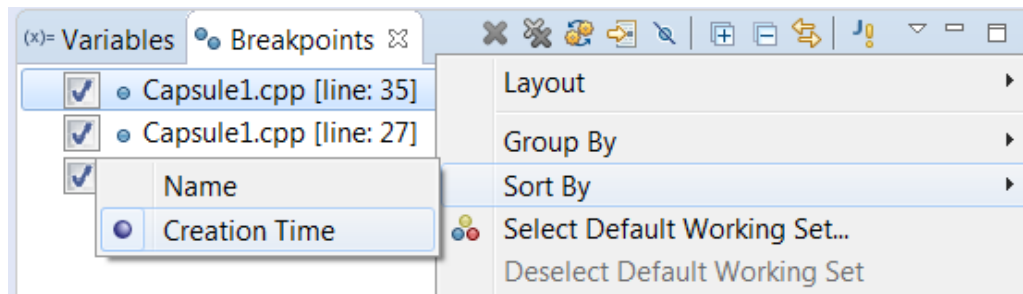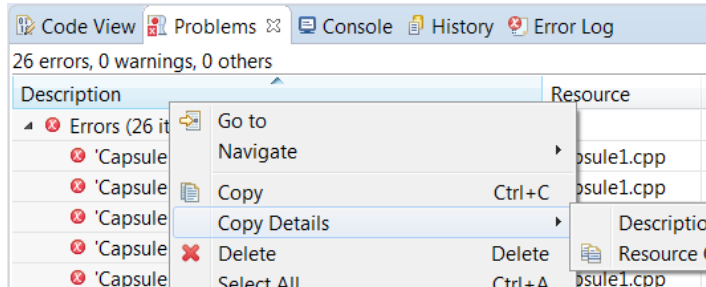
Eclipse 4.7 (Oxygen)

- Breakpoints now visible in the overview ruler
  - Helps finding the breakpoints in large files

- Smarter Quick Access search
  - Now supports space separated strings
  - Useful if you don't remember the command name exactly
  - Wildcards (* and ?) can also be used
  - Also possible now to use Quick Access for searching in the Help documentation
  - Other minor improvements (e.g. showing command icons) also make this feature more user-friendly
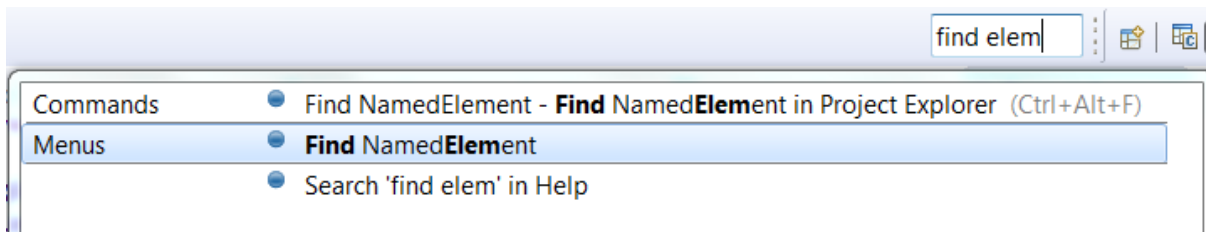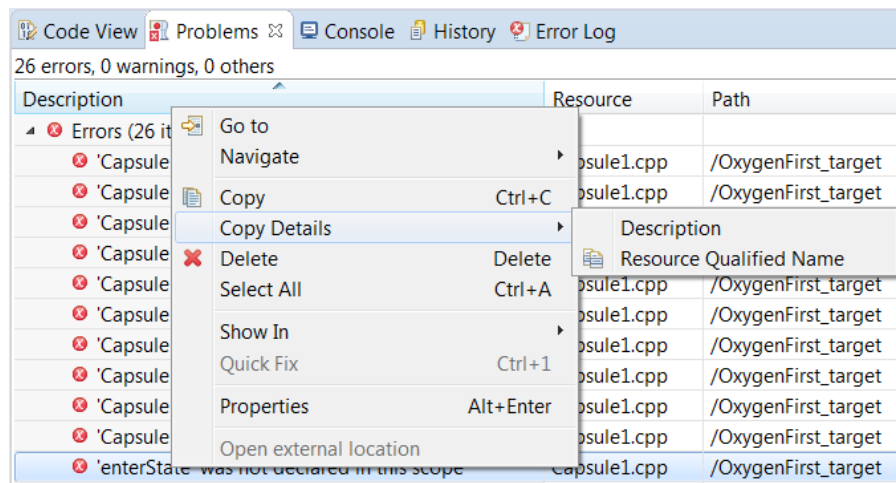
Eclipse 4.7 (Oxygen)

- Possible to hide the status bar
  - A new command *Window – Appearance – Hide (Show) Status Bar* can be used

- (Linux only) Left/Right arrow keys for collapsing/expanding current tree node
  - Same behavior as on Windows
  - Works on GTK+ 3.6 and later

- Easier to copy parts of an entry in the Problems or Tasks view
  - Copy Details in the context menu can be used for copying either only the description text or the resource name

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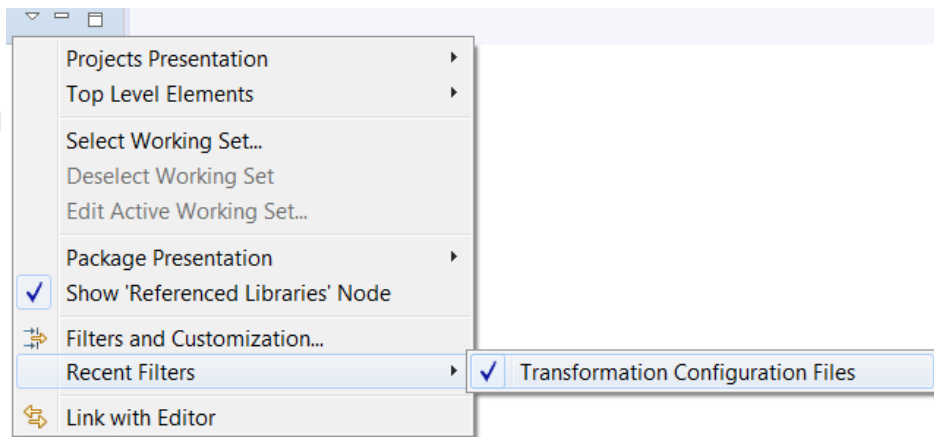
Eclipse 4.7 (Oxygen)

- **Easier to filter the Problems and Tasks views**
  - Filters can be applied using a toolbar button
 - The Filters dialog itself has also been simplified
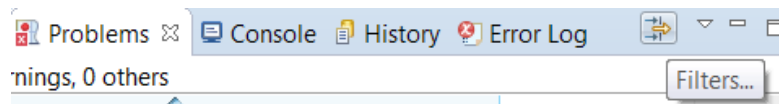
- **Easier to filter the Project Explorer**
  - A new context submenu for setting/unsetting recent filters
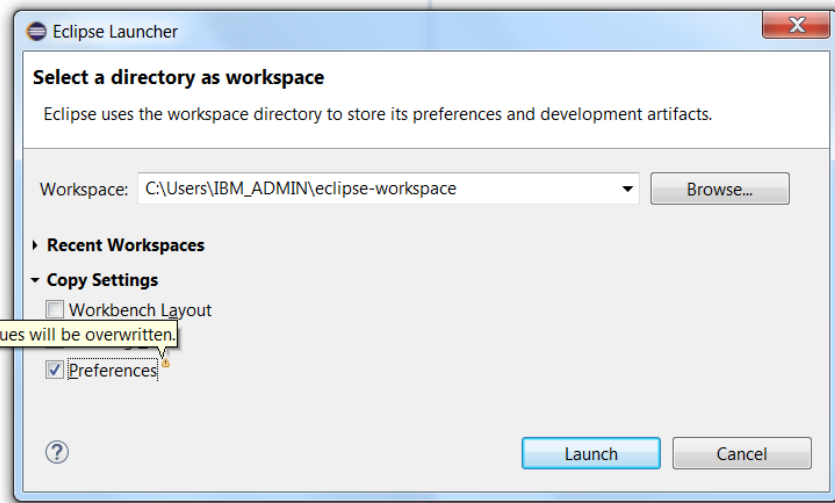 - Note: The command "Customize view" is now called "Filters and Customization"

- **Showing projects not in the currently active working sets**
  - An "Other Projects" group can be used for showing such projects when working sets are the top level elements

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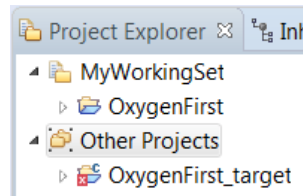
Eclipse 4.7 (Oxygen)

- Copying workspace preferences
  – Can now be done when switching to a new or existing workspace

- Always run in background
  – The preference *General – Always run in background* is now enabled by default. Disable it if you prefer the old behavior of seeing a progress dialog for long-running operations.

- More external web browsers supported on Linux
  – Now support for Firefox, Chrome, Chromium, Epiphany/Gnome Web, Konqueror

- For more information about Eclipse improvements see
  – News in Eclipse 4.7 (Oxygen) http://www.eclipse.org/eclipse/news/4.7/platform.php

THANK YOU!