

# News in RSA-RTE 10.3

updated for sprint 2018.33

*Mattias Mohlin, August 2018*

# Overview

- **Now based on Eclipse Photon (4.8)**
- **Contains everything from RSARTE 10.2 and also additional features and bug fixes**
  - See the What's New presentation for RSARTE 10.2 to learn about the new features that are also present in version 10.2



IBM Rational® Software Architect RealTime Edition

Version: 10.3.0.v20180817\_1313

Release: 2018.33

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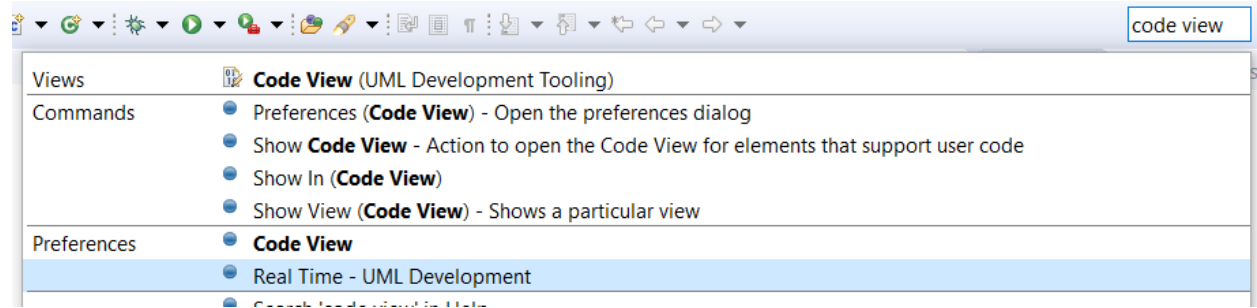
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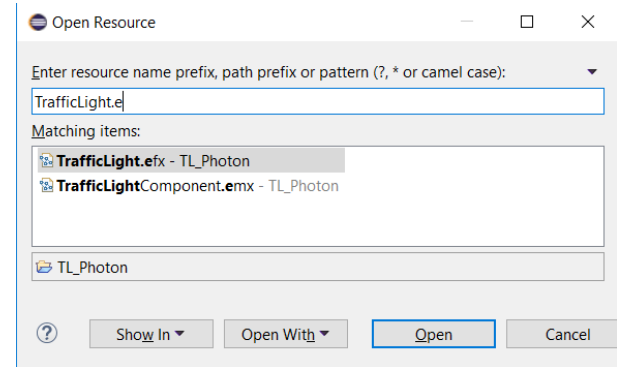


# Eclipse 4.8 (Photon)

- Finding preference page by keyword in Quick Access
  - The same keywords as can be used when searching in the Preferences dialog can now be used from the Quick Access field

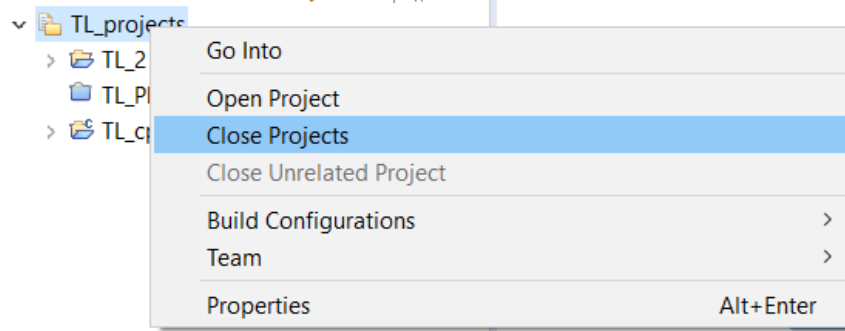


- Improved sorting of matches in dialogs that support filtering, e.g. the Open Resource dialog
  - Items that match the typed filter exactly are now always shown on top
- Open Resource dialog now highlights characters that match the typed search filter
  - Also the workspace path is now shown for matching files



# Eclipse 4.8 (Photon)

- More commands available in the Working Set context menu
  - For example to open or close all projects in the working set

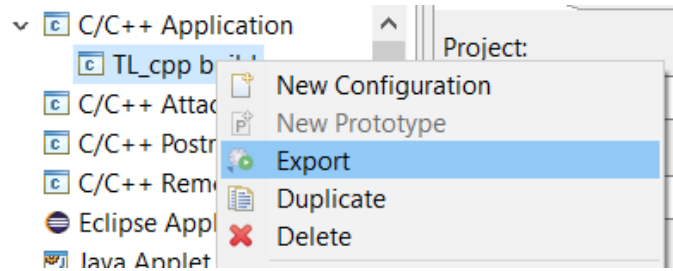


- Improved default layout of Debug perspective
  - The Project Explorer, Display and Expressions views are now initially visible since they are commonly used when debugging
  - Views less commonly used when debugging, such as Tasks, are now not initially visible

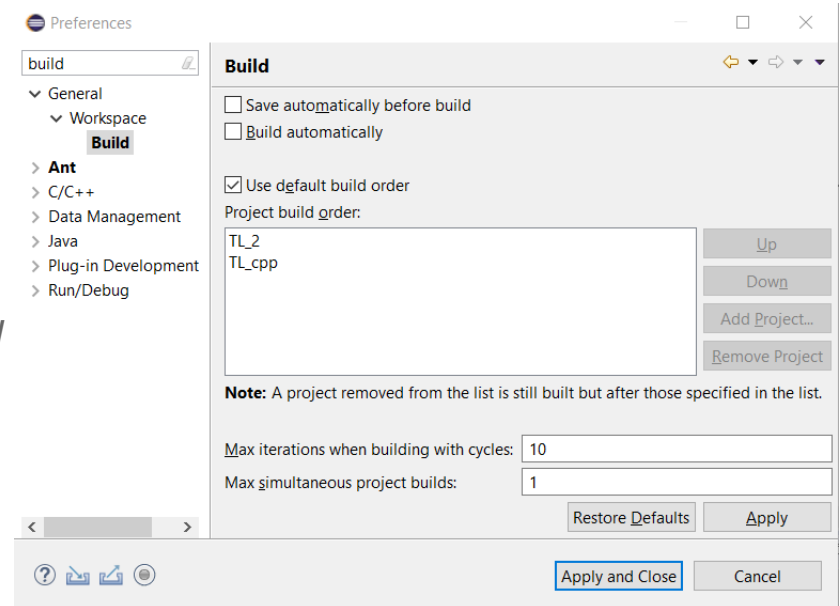


# Eclipse 4.8 (Photon)

- Easier to export launch configurations
  - A new Export command is now available in the context menu in the Launch Configurations dialog

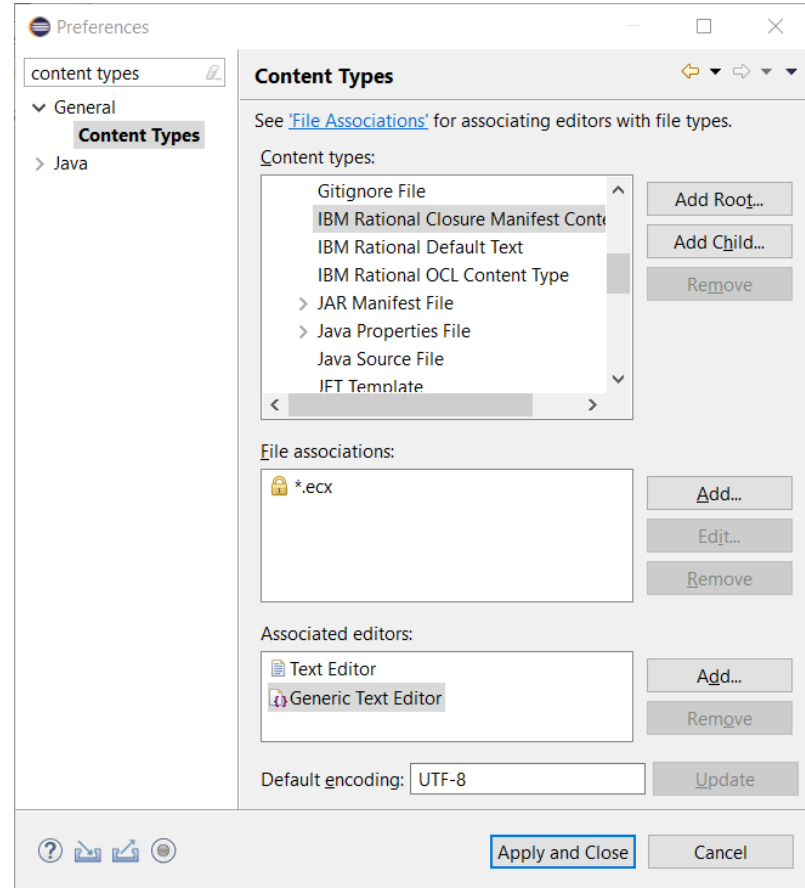


- Support for parallel build of projects
  - New preferences in *General – Workspace – Build* allows you to set-up how projects can be built in parallel
  - Potentially a big performance improvement when building a workspace with several independent projects



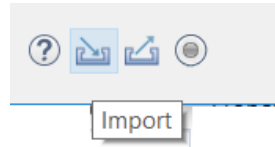
# Eclipse 4.8 (Photon)

- Improved workflow for associating editors with file extensions
  - This should now be done from *Preferences – General – Content Types*
  - The old way of using *Preferences – Editors – File Associations* should no longer be used
  - A file name pattern (including wildcards) can now be used for associating certain files with certain editors (previously only the file extension could be used)

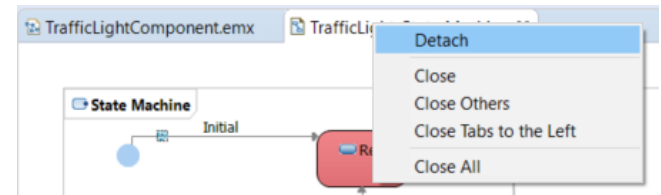


# Eclipse 4.8 (Photon)

- Preferences can now be imported or exported directly from the Preference dialog
  - Convenient buttons are now available in the bottom left corner of the dialog



- Many cosmetic improvements for the dark theme
  - Better fonts, redesigned icons, improved contrast in popups etc.
- Easier to detach editors
  - New context menu command in the editor header tab
  - Previously it was necessary to detach by dragging the header tab outside of the Eclipse main window which is difficult when that window is maximized



# Eclipse 4.8 (Photon)

- Significant improvements on Linux/GTK3
  - Accessibility is now working again. It was broken in Eclipse Oxygen and assistive technologies now work again on this platform
  - Improved memory usage (memory leaks fixed)
- Removed obsolete features
  - XULRunner no longer supported as browser rendering engine
  - Support for CVS is no longer included by default (has to be installed separately)

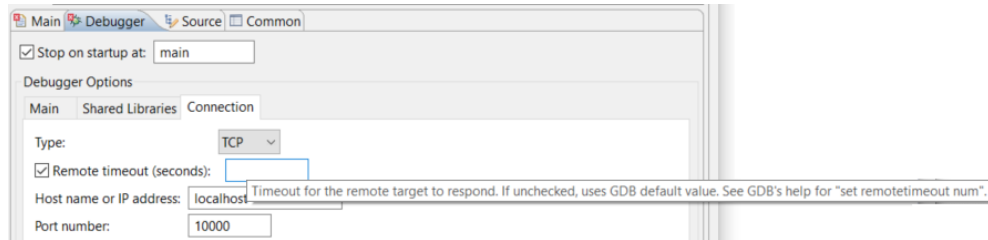
For more information about improvements and changes in Eclipse Photon see <https://www.eclipse.org/eclipse/news/4.8/platform.php>





# CDT 9.5 (included as part of Eclipse Photon)

- Open Declaration
  - More "fault tolerant" navigation. Possible to navigate from a function declaration to its implementation even if the function signatures don't match exactly.
- C++ 14 and C++ 17
  - The CDT parser has been improved to support more C++ 14 and C++ 17 specific constructs
- C++ remote debugging timeout
  - This can now be configured which is useful when debugging over slow connections



For more information about improvements and changes in CDT 9.5 see

<https://wiki.eclipse.org/CDT/User/NewIn95>



THANK YOU!