What’s New in HCL RTist 11.1

updated for release 2021.04

HCL SOFTWARE

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Overview

- RTist 11.1 is based on Eclipse 2020.06 (4.16)
- HCL RTist is 100% compatible with IBM RSARTE. All features in IBM RSARTE are also present in HCL RTist. However, HCL RTist contains a few features that do not exist in IBM RSARTE.
  - Those features are marked in this presentation by RTist ONLY
- The 11.1 version is currently experimental

HCL RTist
*** EXPERIMENTAL ***
Version: 11.1.0.v20210202_0612
Release: 2021.04

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Visit https://RTist.hcldoc.com/help/topic/com.ibm.xtools.rsarte.webdoc/users-guide/overview.html

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Eclipse 4.16 (2020.06)

- Compared to RTist 11.0, RTist 11.1 includes new features from 4 quarterly Eclipse releases:
  - 2019.09 (https://www.eclipse.org/eclipse/news/4.13/platform.php)
  - 2019.12 (https://www.eclipse.org/eclipse/news/4.14/platform.php)
  - 2020.03 (https://www.eclipse.org/eclipse/news/4.15/platform.php)
  - 2020.06 (https://www.eclipse.org/eclipse/news/4.16/platform.php)
- For full information about all improvements and changes in these Eclipse releases see the links above
  - Some highlights are listed in the next few slides...

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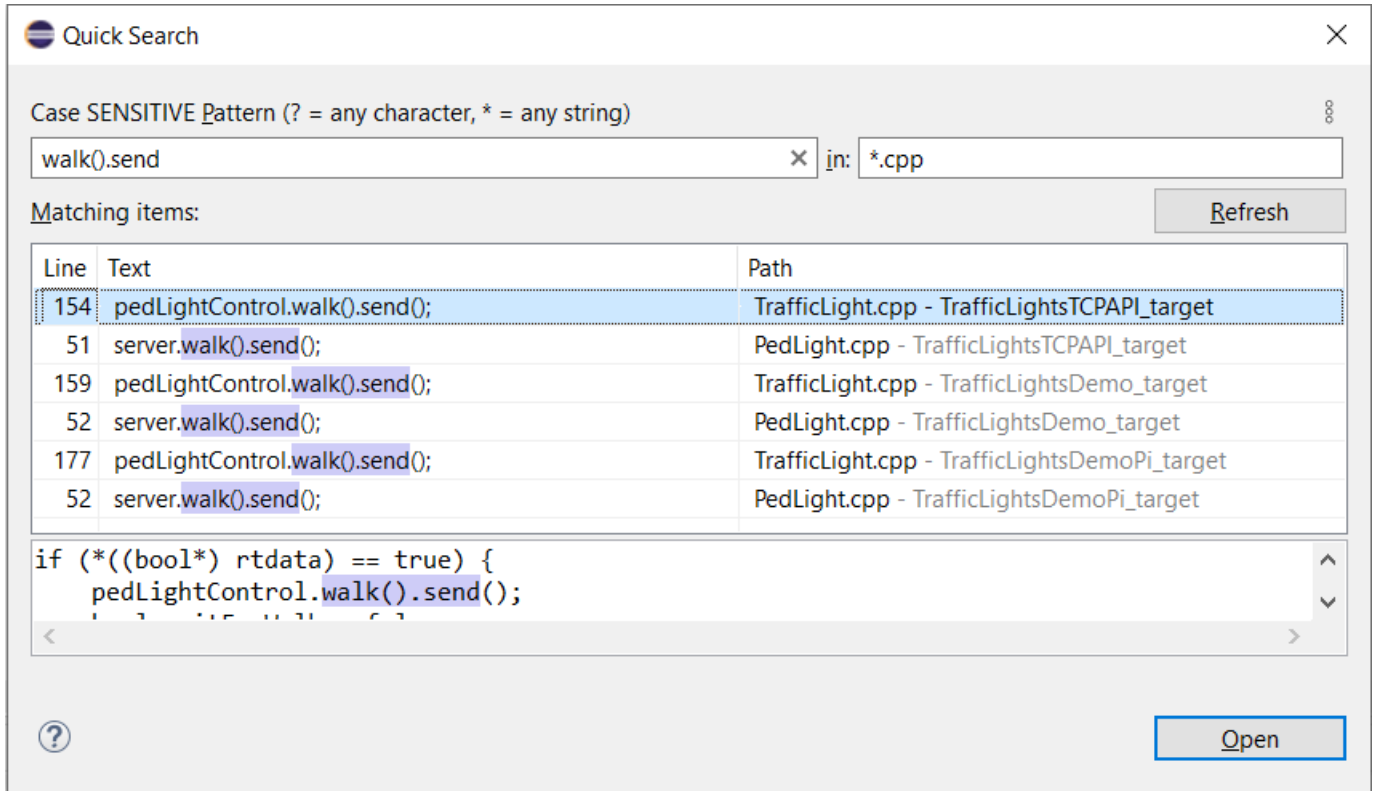
Eclipse 4.16 (2020.06)

- A new Quick Search dialog allows you to search the files of your workspace faster (“as-you-type”)
  - For a similar search experience in model files, use the Find Named Element command instead



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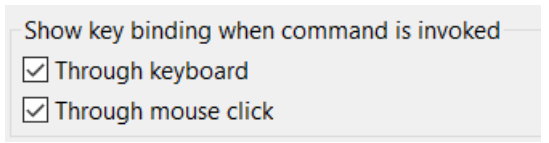
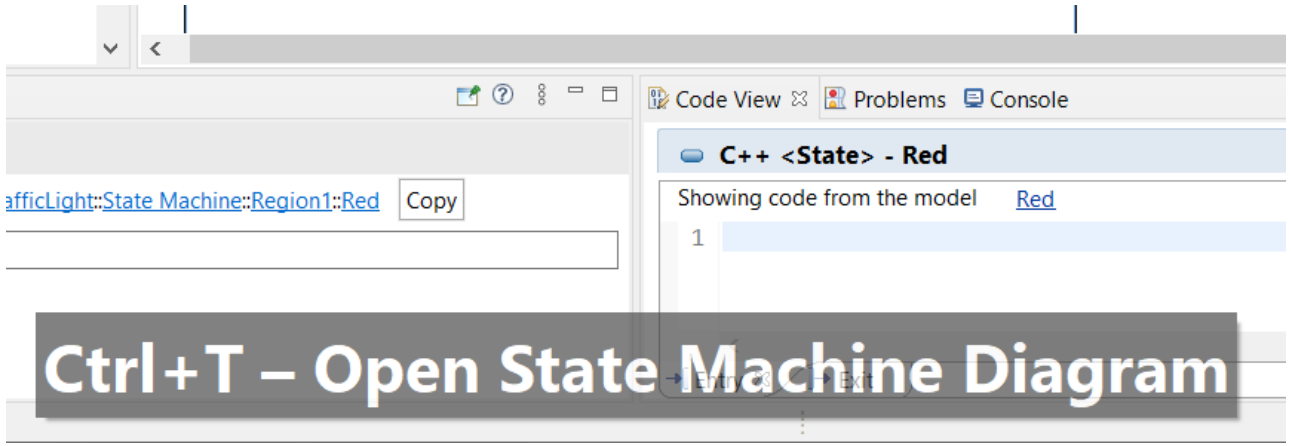
Eclipse 4.16 (2020.06)

- By default at most 99 editors can now be open at the same time
  - Helps keeping the performance good when working with Eclipse for a long time
  - This can be controlled by the preference **General – Editors – Close editors automatically**
- Showing key bindings when performing commands
  - New preferences in **General – Keys**
  - This is a good way to learn about key bindings for the commands that are used, and can also help in presentations





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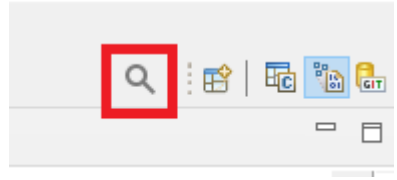
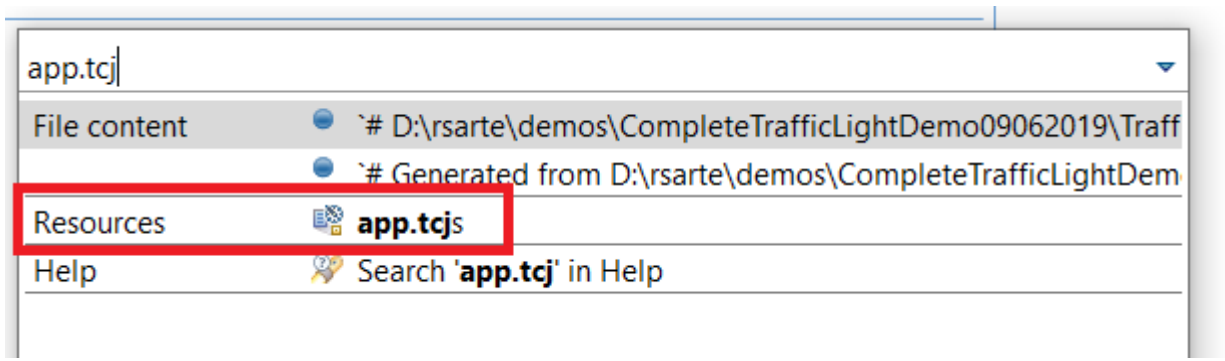
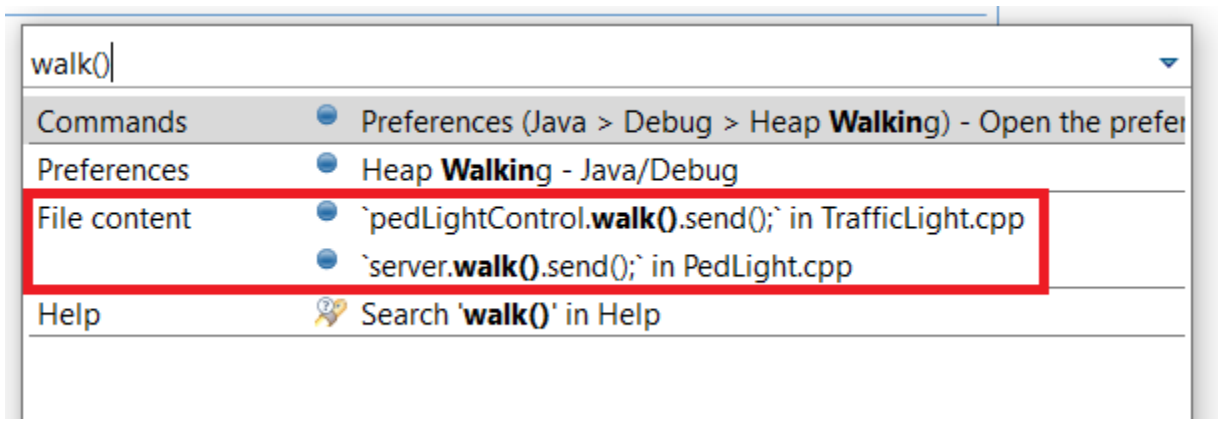
Eclipse 4.16 (2020.06)

- Quick Access field replaced with toolbar button
  - Takes less space in the toolbar, and instead uses a normal dialog for typing an showing the results
  - Same key binding as before (Ctrl + 3) but the command is now called “Find Actions”
  - The results now also include matching files in the workspace, and text matches in files (requires that Quick Search has been used at least once)







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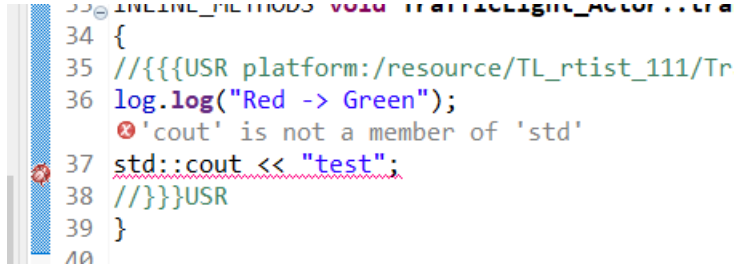
Eclipse 4.16 (2020.06)

- Show code problems inline
  - Makes errors/warnings more visible and lets you apply quick fixes without having to go to the Problems view
  - Enable this feature in preferences at **General – Editors – Text Editors – Show code minings for problem annotations**



- There were several improvements in SWT and GTK
  - The minimal supported GTK version is now 3.20

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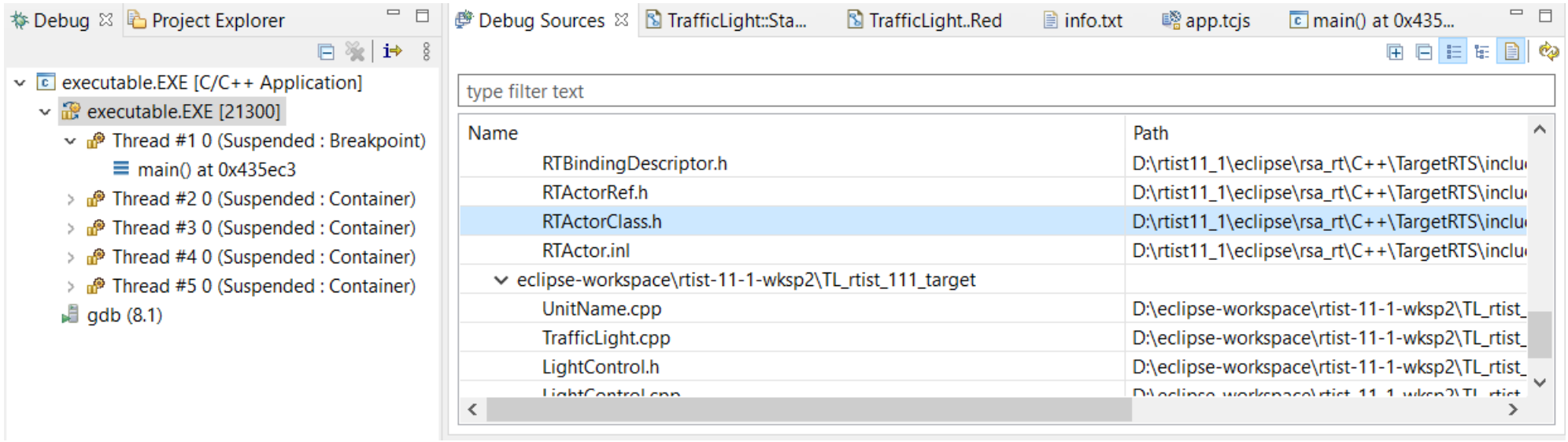
CDT 9.11 (included as part of Eclipse 2020.06)

- New Debug Sources view
  - Shows source files the C++ debugger knows about when debugging an application
  - Useful in particular when the application contains source files that are not present in the Eclipse workspace
  - Source files can be found by searching (filtering) and opened by double-click



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CDT 9.11 (included as part of Eclipse 2020.06)

- CODAN improvements
  - Several additional checks implemented
- For more information about CDT improvements see
  https://wiki.eclipse.org/CDT/User/NewIn99
  https://wiki.eclipse.org/CDT/User/NewIn910
  https://wiki.eclipse.org/CDT/User/NewIn911

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Newer EGit Version in the EGit Integration

- The EGit integration in RTist has upgraded EGit from 5.4 to 5.8
  - This is the recommended and latest version for Eclipse 2020.06
- This upgrade provides several new features, performance improvements and bug fixes
  - For detailed information about the changes see
    https://wiki.eclipse.org/EGit/New_and_Noteworthy/5.5
    https://wiki.eclipse.org/EGit/New_and_Noteworthy/5.6
    https://wiki.eclipse.org/EGit/New_and_Noteworthy/5.7
    https://wiki.eclipse.org/EGit/New_and_Noteworthy/5.8

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Installation Script

- A bash script is now available which helps automating the installation of RTist
  - Download it from the Info Center
  - Works on both Windows and Linux
- In particular useful for installing RTist 11.1 (due to the requirement of using Java 11 for the installation)
  - Choose whether you want to then run RTist with either Java 8 or Java 11
- For documentation on how to configure and use the script see the Info Center.

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