What's New in HCL RTist 11.1

updated for release 2021.16

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

HCL RTist
Version: 11.1.0.v20210422_1057
Release: 2021.16

(c) Copyright IBM Corporation 2004, 2016. All rights reserved.
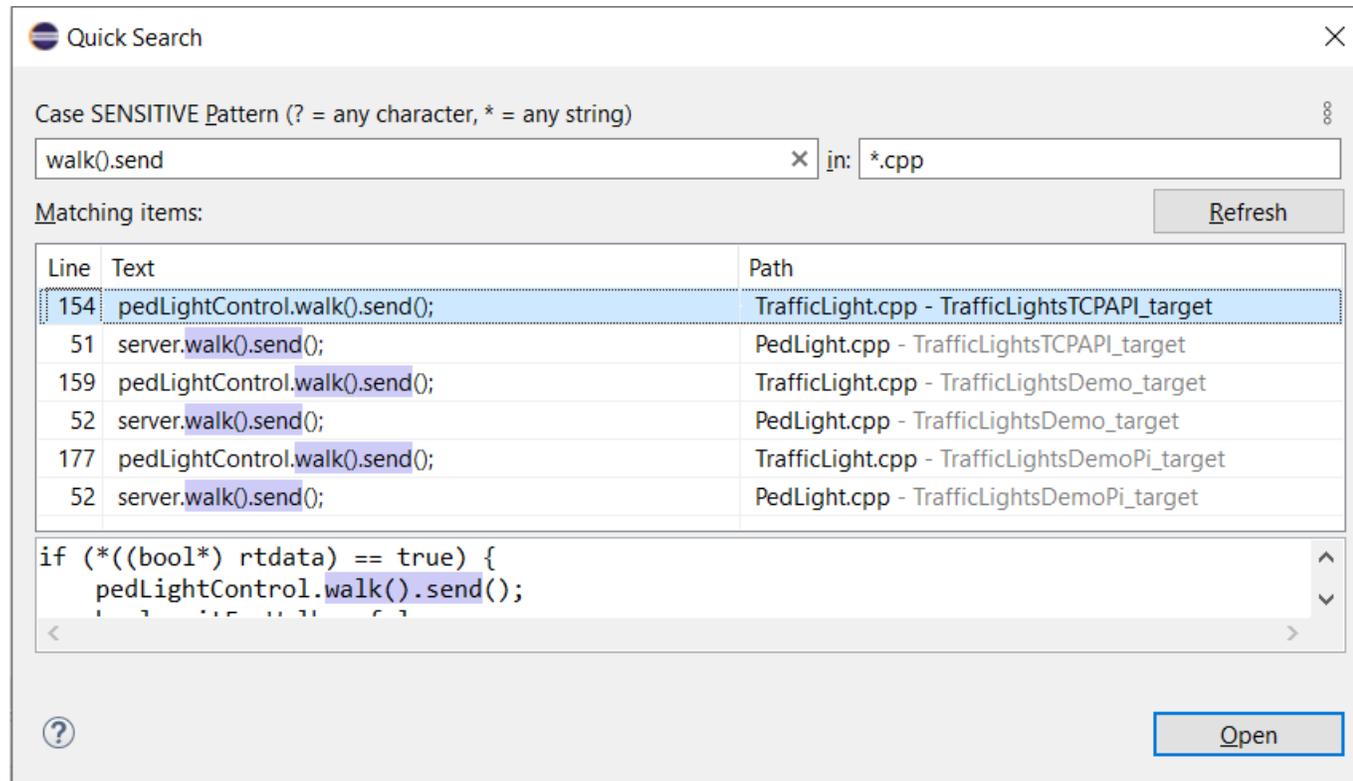(c) Copyright HCL Technologies Ltd. 2016, 2021. All rights reserved.
Visit https://RTist.hcldoc.com/help/topic/com.ibm.xtools.rsarte.webdoc/users-guide/overview.html

HCL SOFTWARE

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
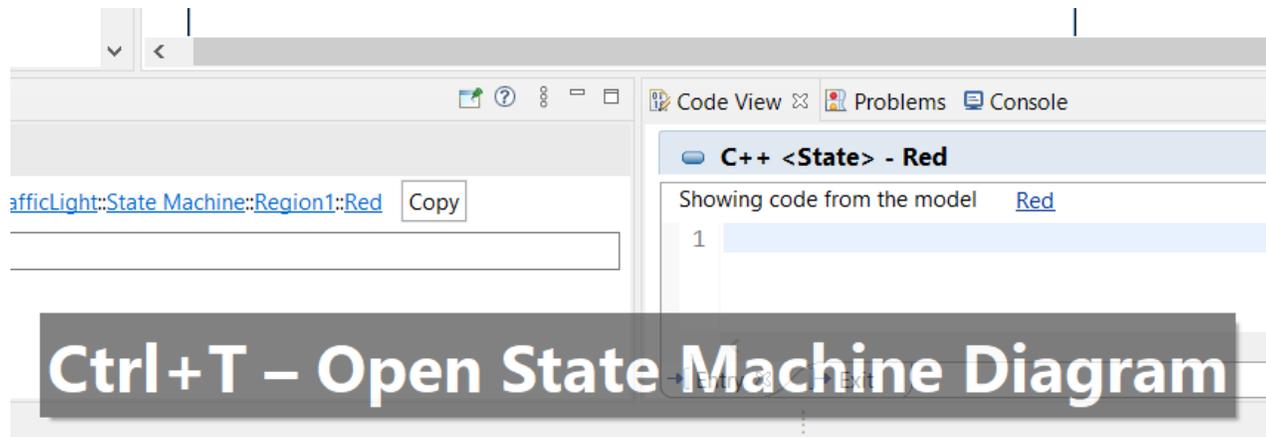
HCL SOFTWARE

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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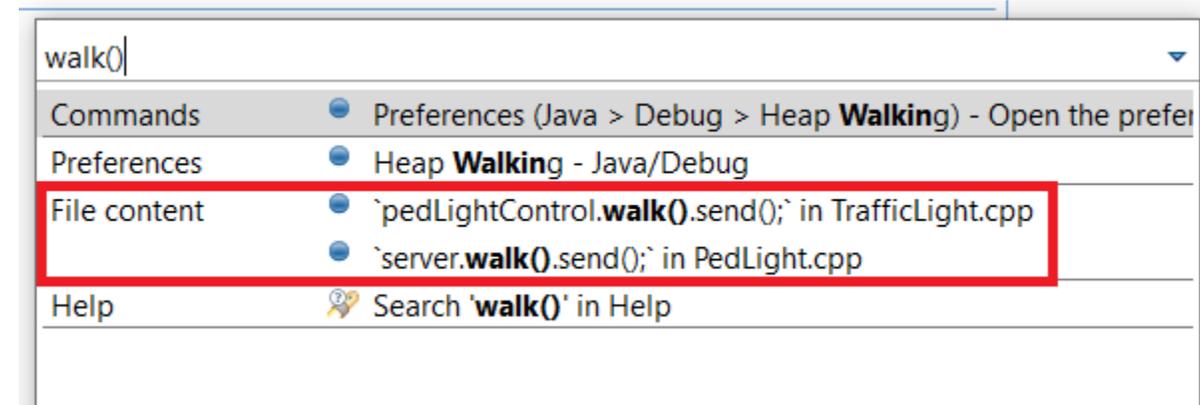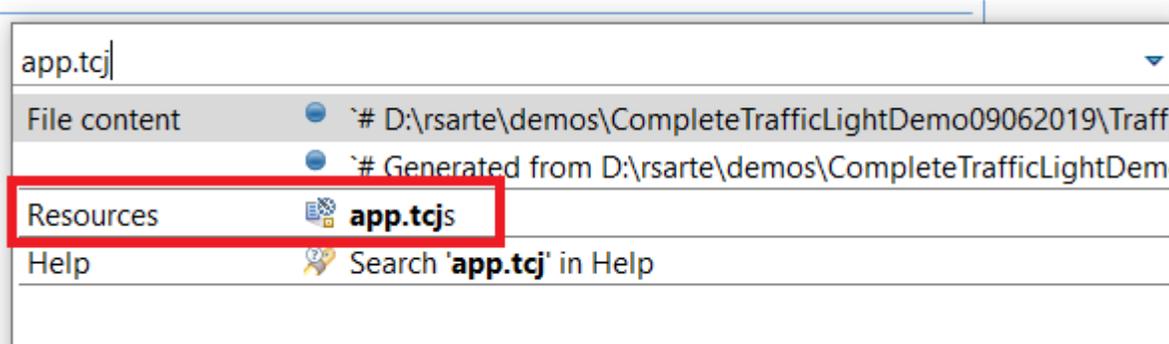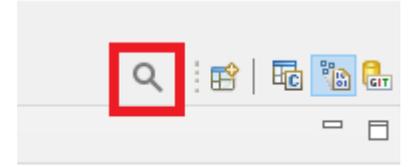
Eclipse 4.16 (2020.06)

▸ 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)
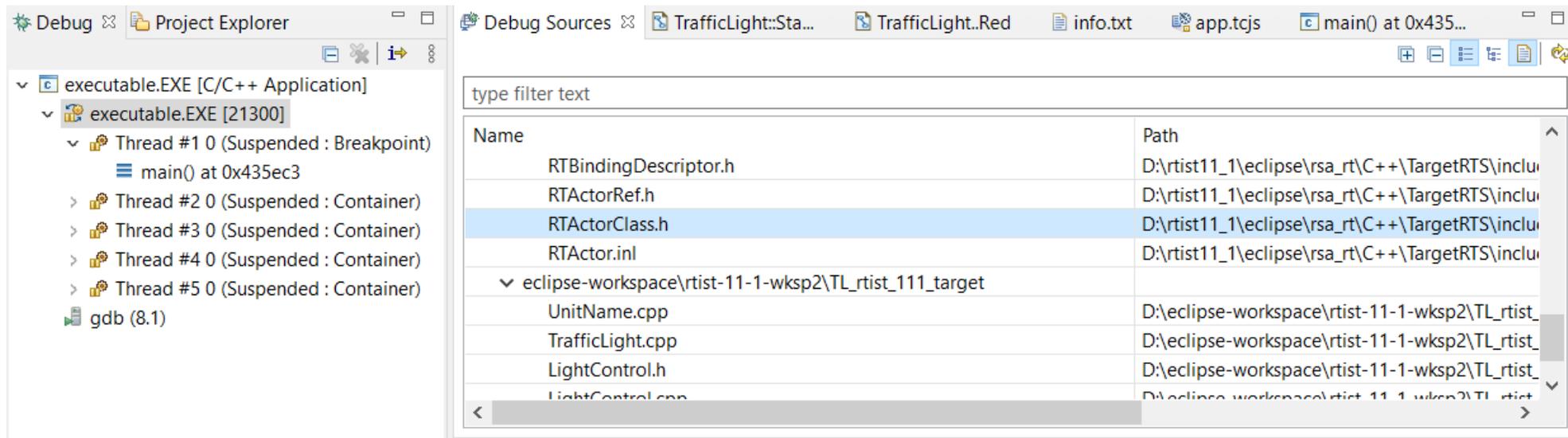
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Eclipse 4.16 (2020.06)

▶ 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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