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What's New in DevOps Model RealTime 12

updated for the DevOps 2023.12 release

Overview

▸ Model RealTime 12 is based on Eclipse 2023-06 (4.28)

▸ Two brandings of the product are available (HCL and IBM). There is no differences in functionality between them.

  ▪ Only difference is in the licensing mechanism and branding (e.g. documentation)

DevOps Model RealTime
Version: 12.0.0 (part of DevOps 2023.12)
Build: 12.0.0.v20231205_1706

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

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Eclipse 4.28 (2023.06)

▶ Compared to RSARTE/RTist 11.3, Model RealTime 12 includes new features and bug fixes from 4 quarterly Eclipse releases:

  ▪ 2022.09 (https://www.eclipse.org/eclipse/news/4.25/platform.php)

  ▪ 2022.12 (https://www.eclipse.org/eclipse/news/4.26/platform.php)

  ▪ 2023.03 (https://www.eclipse.org/eclipse/news/4.27/platform.php)

  ▪ 2023.06 (https://www.eclipse.org/eclipse/news/4.28/platform.php)

▶ For full information about all improvements and changes in these Eclipse releases see the links above
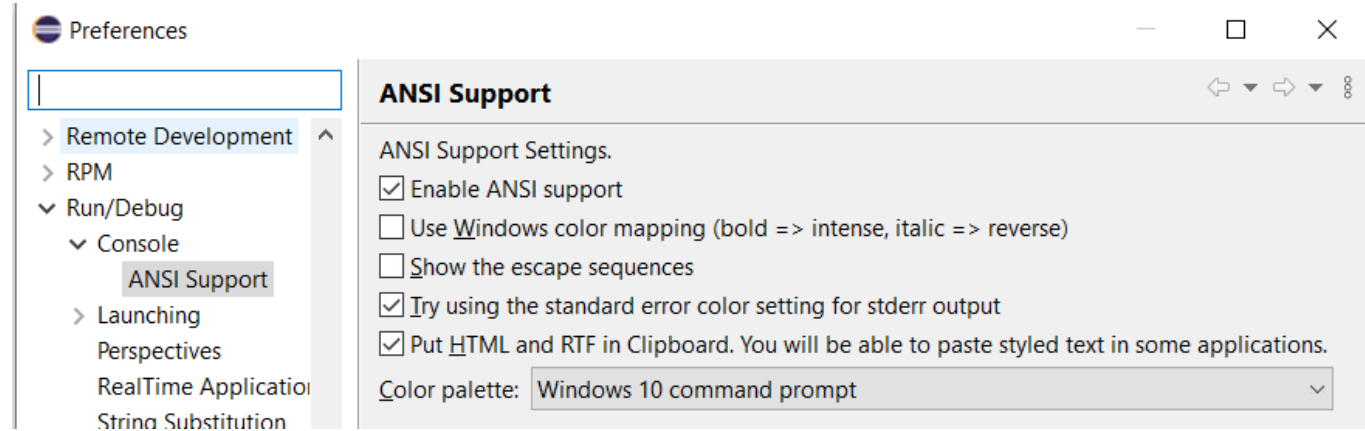
  ▪ Some highlights are listed in the next few slides...

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Eclipse 4.28 (2023.06)

▸ New preference to enable word wrap automatically

- **General - Editors - Text Editors - Enable word wrap when opening an editor**

- Applies to all text editors including the Code editor

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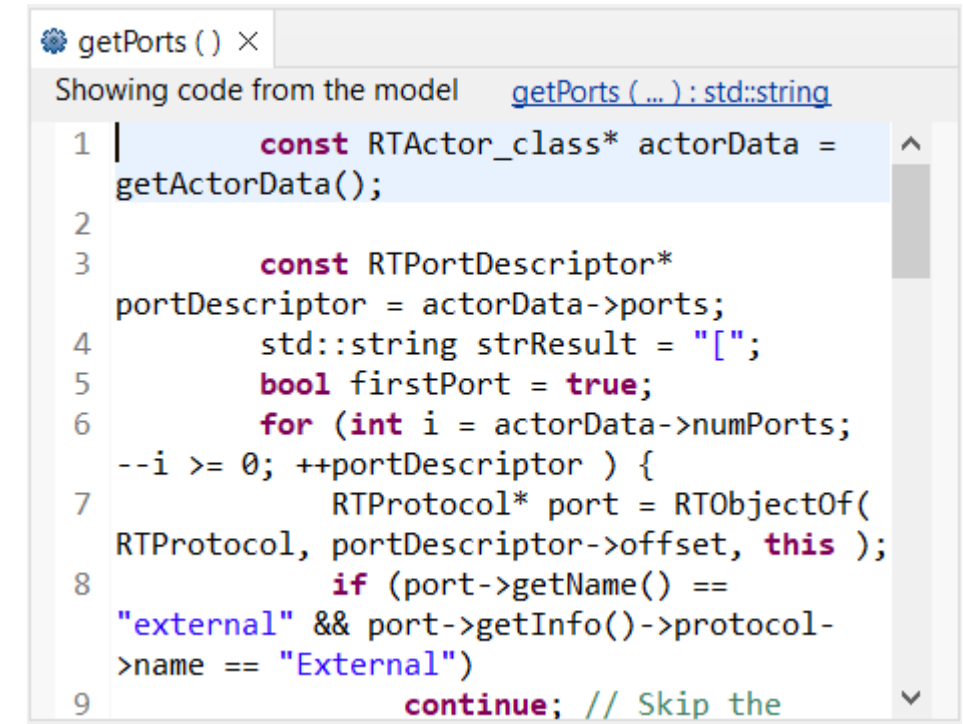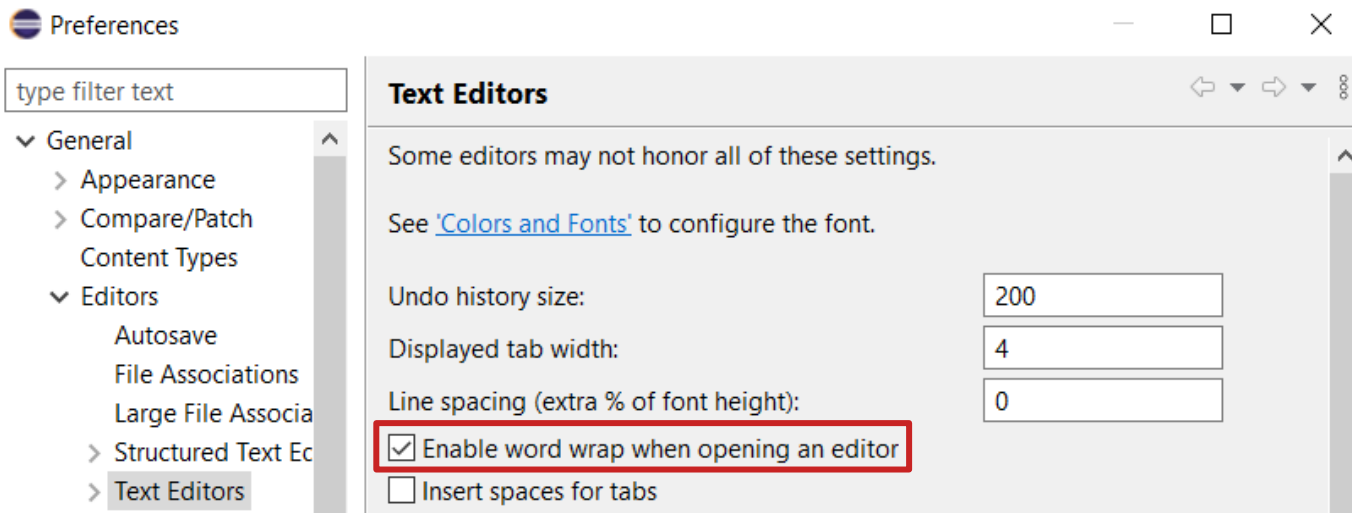
Eclipse 4.28 (2023.06)

▸ **The Eclipse console now supports ANSI escape codes for producing styled output**

- The SGR (Select Graphic Rendition) control sequences are supported

- Rendering can be controlled by preferences in **Run/Debug - Console - ANSI Support**

- You can use this to make application printouts easier to read

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Eclipse 4.28 (2023.06)

▶ Changes in the Open Resource dialog

- Now the string you type in this dialog is searched in all parts of file names

- It's no longer necessary to prefix the search string with an asterisk (*) to accomplish this

- You can use a leading angle bracket (>) to enforce the old behavior (can be useful in case of too many matches)

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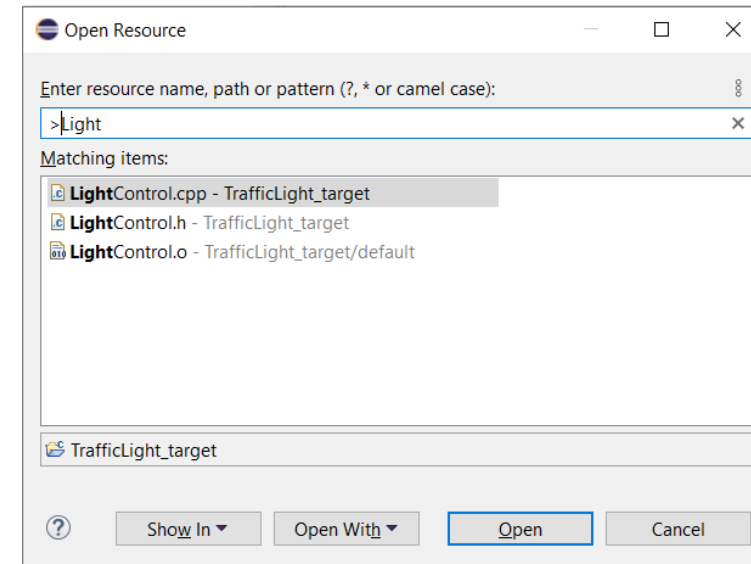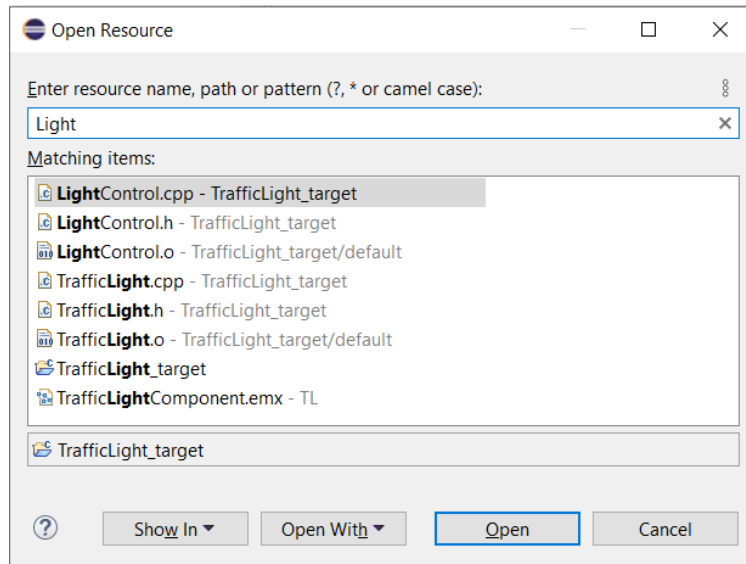
CDT 11.2 (included as part of Eclipse 2023.06)

▶ Several improvements in the C++ parser have been implemented

▪ Especially for supporting features of C++ 20 and C++ 23

▶ For more information about CDT improvements see
https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.0.md
https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.1.md
https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.2.md

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Newer EGit Version in the EGit Integration

▸ The EGit integration in Model RealTime has upgraded EGit from 6.2 to 6.6

- This is the recommended and latest version for Eclipse 2023.06

▸ This upgrade provides several new features and bug fixes

- For detailed information about the changes see
  https://wiki.eclipse.org/EGit/New_and_Noteworthy/6.3
  https://wiki.eclipse.org/EGit/New_and_Noteworthy/6.4
  https://wiki.eclipse.org/EGit/New_and_Noteworthy/6.5
  https://wiki.eclipse.org/EGit/New_and_Noteworthy/6.6

▸ Note: There is a known issue in this version of EGit that merge and rebase operations could fail due to false conflicts if commits involve model files together with other types of files.

- Because of this problem the EGit Integration is currently EXPERIMENTAL

- If you run into the problem, abort the merge/rebase and redo it instead from the Git command-line

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New Location for Info Centers

▸ As part of the product rename, the online documentation was moved to a new location

▸ There are two versions, depending on branding

- HCL: https://model-realtime.hcldoc.com/help/index.jsp

- IBM: https://www.ibm.com/docs/dmrt/12.0

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