

# HCLSoftware

## What's New in DevOps Model RealTime 12.1

updated for the DevOps 2024.09 release

# Overview

- ▶ Model RealTime 12.1 is based on Eclipse 2024-06 (4.32)
- ▶ Two brandings of the product are available (HCL and IBM). There is no differences in functionality between them.
  - The only difference is in the licensing mechanism and branding (e.g. documentation)



DevOps Model RealTime

Version: 12.1.0 (part of DevOps 2024.09)

Build: 12.1.0.v20240807\_0615

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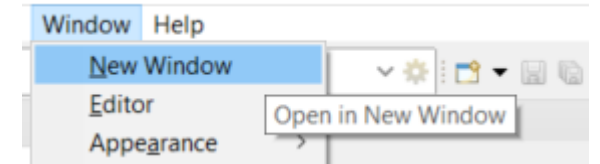
Visit <https://model-realtime.hcldoc.com/help/topic/com.ibm.xtools.rsarte.webdoc/users-guide/overview.html>

# Eclipse 4.32 (2024.06)

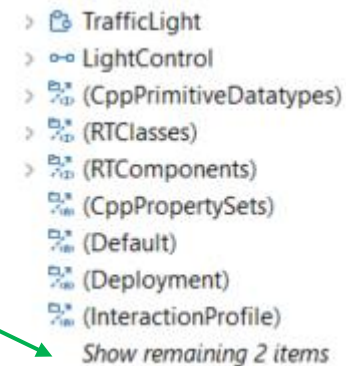
- ▶ Compared to Model RealTime 12.0, version 12.1 includes new features and bug fixes from 4 quarterly Eclipse releases:
  - 2023.09 (<https://www.eclipse.org/eclipse/news/4.29/platform.php>)
  - 2023.12 (<https://www.eclipse.org/eclipse/news/4.30/platform.php>)
  - 2024.03 (<https://www.eclipse.org/eclipse/news/4.31/platform.php>)
  - 2024.06 (<https://www.eclipse.org/eclipse/news/4.32/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...

# Eclipse 4.32 (2024.06)

- ▶ Better support for opening additional workbench windows when using multiple monitors
  - Now a new workbench window is opened on the same monitor where the current workbench window is located
  - Previously it opened on the primary monitor, which could be "far away" from the current workbench window
- ▶ The number of items shown in many views can now be limited to improve UI performance
  - Controlled by a new preference **General - Initial maximum number of elements shown in views** (by default 1000)
  - Affects for example the Problems and the Project Explorer views
  - Helps avoiding performance problems when a huge number of elements are shown in these views
  - You can disable this feature by setting the preference to 0

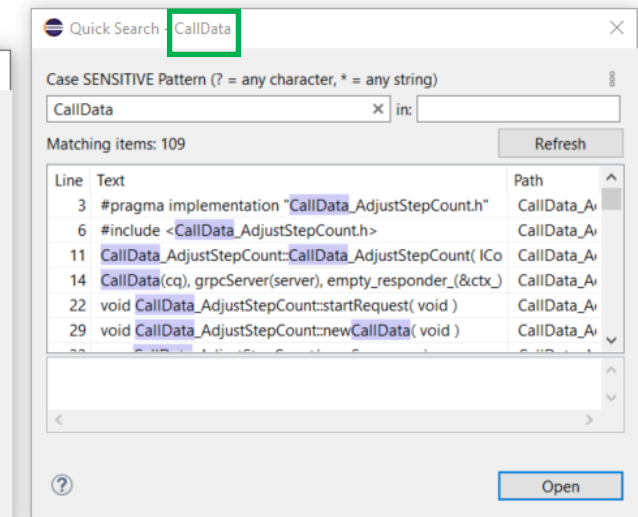
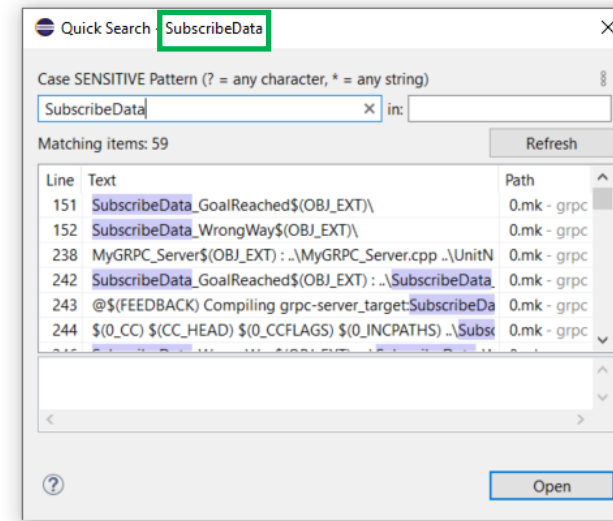
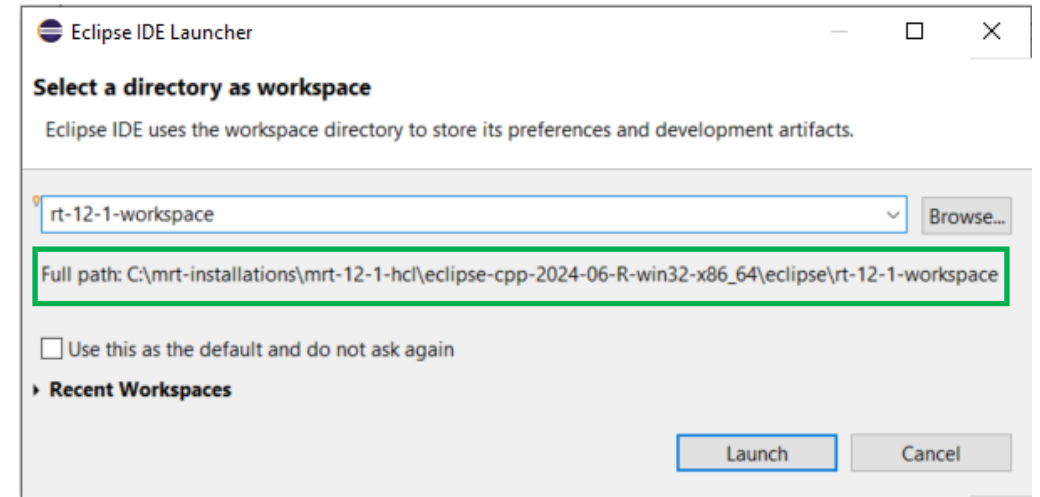


*click here to show more items*



# Eclipse 4.32 (2024.06)

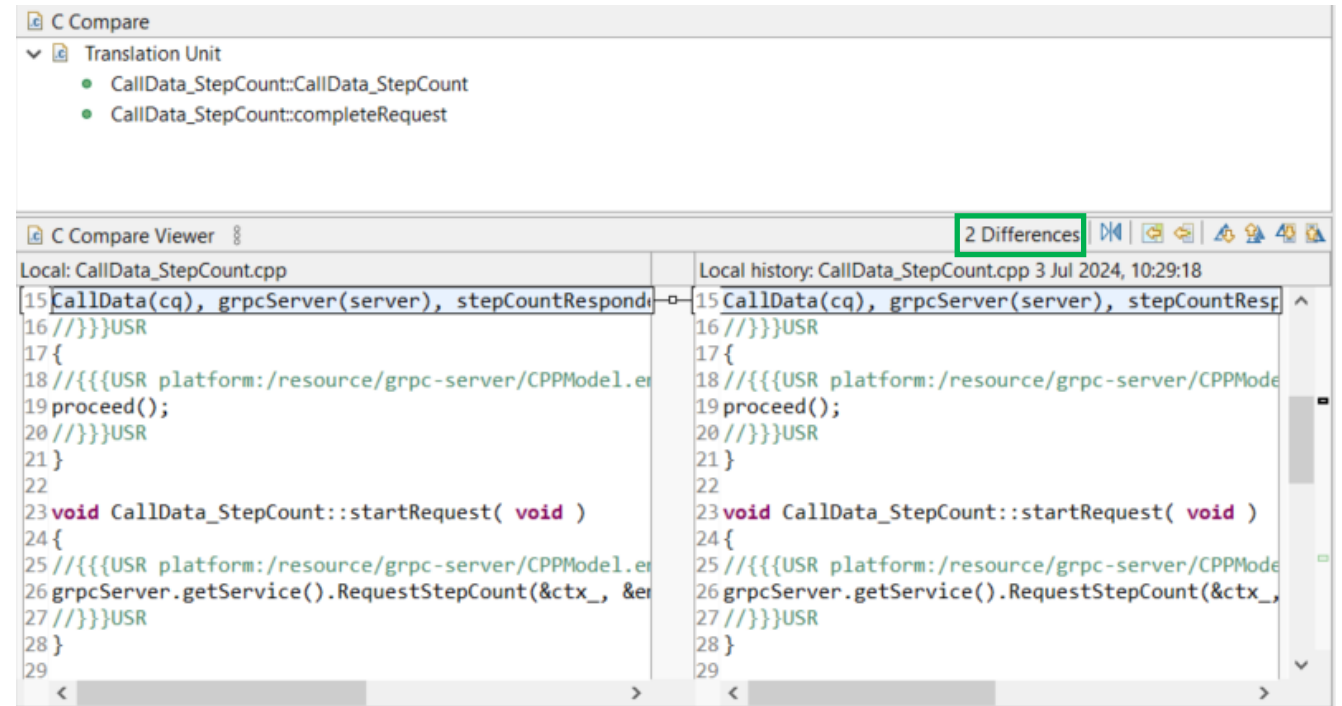
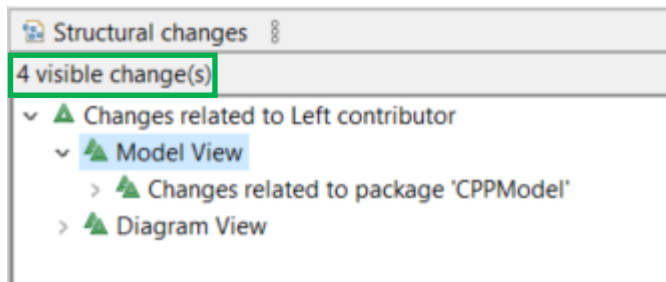
- ▶ The launch dialog now shows the resolved path of the workspace that will be opened
  - Useful if you use relative paths or the ~ character on Linux/MacOs (for specifying the home folder)
  - Also tells you if you happen to use a character in the workspace name that is not valid on your operating system
- ▶ Multiple Quick Search dialogs can now be more easily distinguished since the search term is printed in their titles
  - Useful if you tend to keep a few of those modeless dialogs open for repeated searches



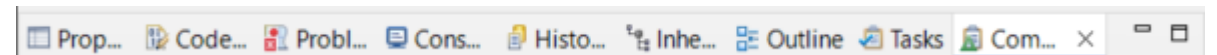


# Eclipse 4.32 (2024.06)

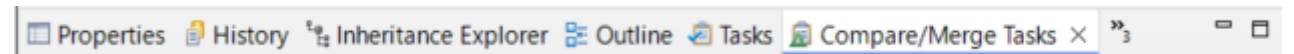
- ▶ The Compare/Merge editor for text files now shows the total number of differences
  - This was already before shown in the Compare/Merge editor for models



- ▶ A new preference can be set to avoid very short titles when a large number of views appear in the same view stack
  - **General - Appearance - Always show full titles**
  - Another new preference allows to hide the view icons to further save space



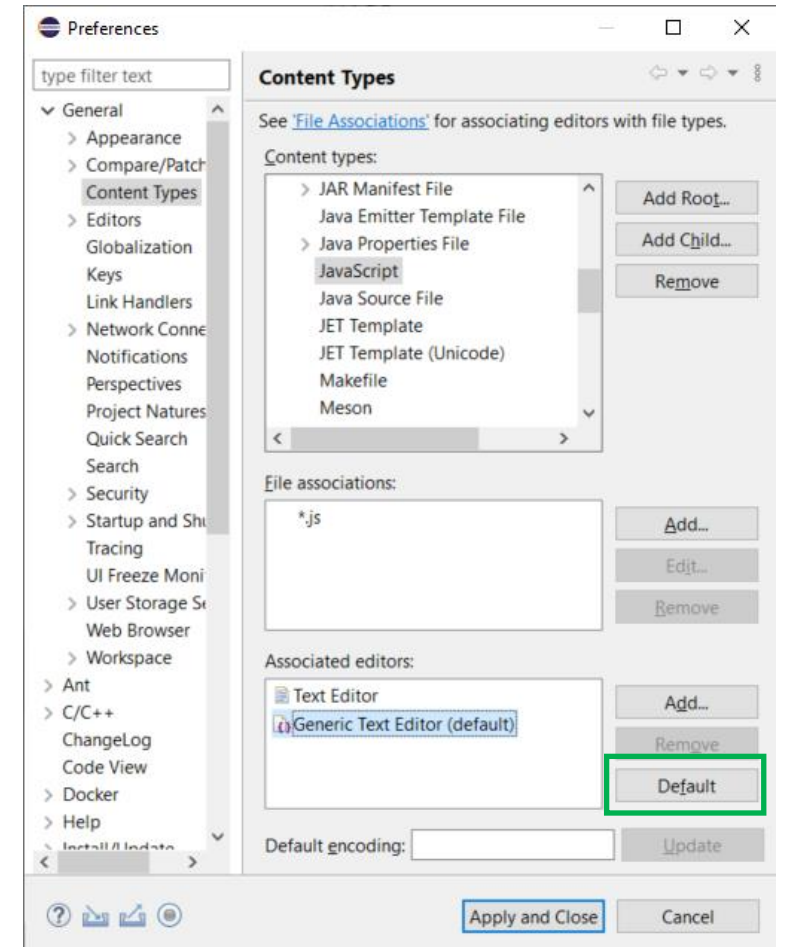
*before (and still the default)*



*now (with new preference set)*

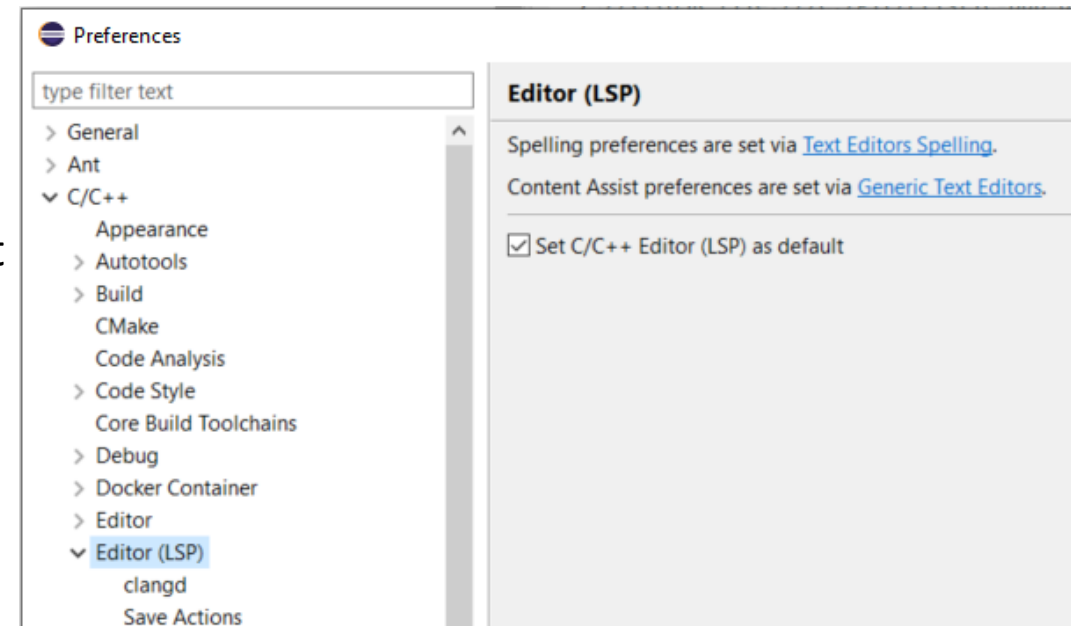
# Eclipse 4.32 (2024.06)

- ▶ It's now possible to change the default editor for a certain file content type
  - For example, if you use Build Variants, but don't have a JavaScript plugin installed, you can now create a content type for the \*.js file extension and set the Generic Text Editor as the default editor
  - Previously it was necessary to always use the **Open With** command which was easy to forget
- ▶ Restart of Eclipse now works the same as an exit followed by a relaunch
  - For example, changes in `eclipse.ini` are now picked up when restarting



# CDT 11.6 (included as part of Eclipse 2024.06)

- ▶ Information about the CDT improvements can be found here:  
<https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.3.md>  
<https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.4.md>  
<https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.5.md>  
<https://github.com/eclipse-cdt/cdt/blob/main/NewAndNoteworthy/CDT-11.6.md>
- ▶ **Note:** Eclipse 2024.06 also contains another plugin for C/C++ development called [CDT-LSP](#) which makes use of the Clang language server (clangd)
  - You have to enable this feature in the Preferences - by default CDT is still used for new projects
  - You can use both CDT and CDT-LSP in the same workspace for different C++ projects
  - Model RealTime does not yet support CDT-LSP (i.e. target projects are still always using CDT, and the Code View/Editor also uses CDT)





# Newer EGit Version in the EGit Integration

- ▶ The EGit integration in Model RealTime has upgraded EGit from 6.6 to 6.10
  - This is the recommended and latest version for Eclipse 2024.06
- ▶ This upgrade provides several new features and bug fixes
  - For detailed information about the changes see
    - [https://wiki.eclipse.org/EGit/New\\_and\\_Noteworthy/6.7](https://wiki.eclipse.org/EGit/New_and_Noteworthy/6.7)
    - [https://wiki.eclipse.org/EGit/New\\_and\\_Noteworthy/6.8](https://wiki.eclipse.org/EGit/New_and_Noteworthy/6.8)
    - <https://projects.eclipse.org/projects/technology.egit/releases/6.9.0>
    - <https://projects.eclipse.org/projects/technology.egit/releases/6.10.0>

# Removal of the One Test Embedded Integration

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- ▶ The One Test Embedded Integration does not work with Eclipse 2024.06 and has therefore been removed from Model RealTime
  - The [documentation on the Info Center](#) will remain for some time for users still using One Test Embedded together with older versions of Model RealTime

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