

RTI Launcher

Release Notes

Version 7.0.0



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1 Supported Platforms

See the column for *Launcher* in the table of [Supported Platforms for Connex Applications, in the RTI Connex Core Libraries Release Notes](#).

2 Compatibility

For backward-compatibility information between this and previous releases, see the *Migration Guide* on the RTI Community Portal (<https://community.rti.com/documentation>).

Launcher has been tested with OpenJDK JDK 11, which is included in the installation package.

To run *Launcher* on a Linux platform: *Launcher* requires at least GTK™ 3 version 3.20.0 and its dependencies.

3 What's New in 7.0.0

3.1 'Copy Connex Micro SDK' Button no longer Copies Connex Micro Documentation

In previous releases, the **Copy Connex Micro SDK** button copied the entire *Connex Micro* installation directory. This caused broken links between *Connex Micro* and *Connex Core Libraries* documentation. This issue has been resolved; the **Copy Connex Micro SDK** button will now only copy the *Connex Micro* source code and the examples; it will not copy the *Connex Micro* documentation, *Code Generator*, or *Micro Application Generator*. Documentation must be accessed via *Launcher* or the *Connex Micro* installation directory.

3.2 User Entry of OpenSSL Path no longer Required

You no longer need to specify the path to OpenSSL, because OpenSSL is always installed under `$NDDSHOME/third_party/openssl-<version>`.

The OpenSSL fields have been removed from the dialogs for opening *Connex Professional* and *Connex Micro* terminals.

3.3 C++/CLI and Legacy .NET Options Removed from Code Generator Dialog

The C# (Legacy) and C++/CLI (Legacy .NET only) language options have been removed from the *Code Generator* dialog.

These changes have been made because the **-language C++/CLI** and **-dotnet legacy** options have been removed from *Code Generator*. See "What's New in 4.0.0" in the *RTI Code Generator Release Notes* for more information.

3.4 Code Generator Dialog's Language Choices now Include Python

The language drop-down list in the Code Generator dialog has been updated to include Python.

3.5 Persistence Service Advanced Options Dialog now Allows Setting the Restore State to Persistent Storage

The Persistence Service Advanced Options dialog has been updated to allow you to set the Restore state to any of its supported values. Now you can use `-restore 1`, `-restore 0`, or omit the `-restore` option. Previously `-restore 1` was not supported.

3.6 Launcher Automatically Updates to Reflect Changes from Installed RTI Packages

Previously, if the installation or removal of an RTI Package (*.rtipkg) caused a button or tab to be added or removed in *Launcher*, you had to restart *Launcher* to see the change. *Launcher* has been updated to automatically update its content if a change is detected while *Launcher* is running.

3.7 New Location for Configuration Files for Labs Panel

The configuration files for the Labs panel are now in the *Connex* installation directory, instead of `rti_workspace`. You will find these files in `NDDSHOME>/resource/app/app_support/launcher/panels`.

3.8 Validated Windows Platforms added to Code Generator Dialog's Platforms Menu

In the Code Generator dialog, the choices in the Platforms drop-down menu now include validated Windows platforms such as `x64Win64VS2019` and `x64Win64VS2022`.

3.9 New Configuration Options for Launcher Tabs

The configuration file has been updated to allow you to:

- Specify the position of a tab in *Launcher*.
- Specify which tab is selected by default (if the License File has been set).
- Split a tab into two sub-panels.

For more information about these new configurations, see Section 3.1.1, Configuration File, in the *Launcher User's Manual*.

3.10 Updates to DDS Spy Dialog

The DDS Spy dialog has been updated with new options to:

- Configure what type of data (discovery data, user data) will be displayed (**-mode** <USER|DISC>). If **-mode** is omitted, both types are displayed.
- Display the entity name (**-showEntityName**)
- Display the partition (**-showPartition**) to which an entity belongs

The **Print Sample** option has been updated so you can configure which type of sample information DDS Spy will display (plain or compact). The default is plain.

The **Truncate** option has been removed, since DDS Spy no longer supports it.

4 What's Fixed in 7.0.0

4.1 Launcher Crashed when Reopening Code Generator Dialog after Closing it

Launcher crashed when reopening the *Code Generator* dialog after closing it. This problem has been resolved.

[RTI Issue ID LAUNCHER-599]

4.2 Unable to Start Some Tools on Windows Systems in Certain Cases

On Windows systems, *Launcher* (as well as *Admin Console* and *Monitor*) failed to start when the installation path contained white spaces and the user did not have admin privileges. This problem has been resolved.

[RTI Issue ID LAUNCHER-602]

4.3 Possible Crash when Using Unsupported Image Format

Launcher may have crashed when using an unsupported image format such as **.webp**. This problem has been resolved. Now, *Launcher* will report an error when trying to use an image whose format is not one of the following: **wimp, .gif, .ico, .jpeg, .png, .tiff, .bmp**.

[RTI Issue ID LAUNCHER-605]

4.4 Migration Guide in Help Menu Pointed to an Invalid URL

The *Migration Guide* in the Help menu pointed to an invalid URL. This problem has been resolved.

[RTI Issue ID LAUNCHER-620]

4.5 Licensed RTI Services Failed to Run from Launcher in LM Version

Licensed RTI Services, such as *RTI Routing Service*, failed to run from *Launcher* in the License-Managed (LM) version if you skipped copying the license file to a known location. This issue has been resolved.

[RTI Issue ID LAUNCHER-653]

5 Known Issues

Note: For an updated list of critical known issues, see the Critical Issues List on the RTI Customer Portal at <https://support.rti.com>.

5.1 Error when Updating GTK2 Libraries on Linux Platforms

If you update the GTK2 libraries on a Linux system and click on the textbox, *Launcher* will crash and show this error:

```
java: cairo-misc.c:380: _cairo_operator_bounded_by_source: Assertion `NOT_REACHED' failed.
./rti_connexxt_dds-5.2.0/bin/rtilauncher: line 48: 17317 Aborted (core dumped)
"$JREHOME/bin/java" -jar "$rti_launcher.jar"
```

To resolve this problem, modify the *Launcher* script (<NDDSHOME>/bin/rtilauncher). Add the following to the java call in the **rtilauncher** script:

```
-Dorg.eclipse.swt.internal.gtk.cairoGraphics=false
```

When you are done, it should look like this:

```
"$JREHOME/bin/java" -Dorg.eclipse.swt.internal.gtk.cairoGraphics=false -jar "$rti_launcher.jar"
```

[RTI Issue ID LAUNCHER-151]

5.2 Command History Window cannot be Resized on Red Hat Enterprise Linux 7.0 Platforms

The command history window cannot be resized on Red Hat Enterprise Linux 7.0 platforms.

[RTI Issue ID LAUNCHER-162]

5.3 Launcher Fails to Copy License from Network Location into an Administrator Owner Directory

Launcher fails to copy the license from a network location into an administrator owner directory. This is because *Launcher* tries to copy the license using a command prompt with administration privileges, which cannot access the shared folder because it is running in a different user context.

[RTI Issue ID LAUNCHER-181]

5.4 GLib Warnings when Opening Dialogs

On certain Linux platforms, you may see the following warning when opening a dialog:

```
(RTI Launcher:2680): GLib-CRITICAL **: .... Source ID 1968 was not found when attempting to remove it
```

This warning is harmless. It happens because `g_source_remove()` is called to disconnect a source that was already disconnected. (*Launcher* doesn't call that function, but does call some of its dependent libraries.)

[RTI Issue ID LAUNCHER-382]

5.5 Launcher not Scaled Properly for Intermediate Factors on High-DPI Displays on Windows Platforms

SWT (the library used to build *Launcher*) automatically scales images on high-DPI monitors based on the resolution of the monitor; however, this scaling works only with integer scaling factors (100%, 200%, etc.) by default. Therefore, *Launcher* is not scaled properly when using intermediate scaling factors (125%, 150%, etc.) on high-DPI displays on Windows platforms.

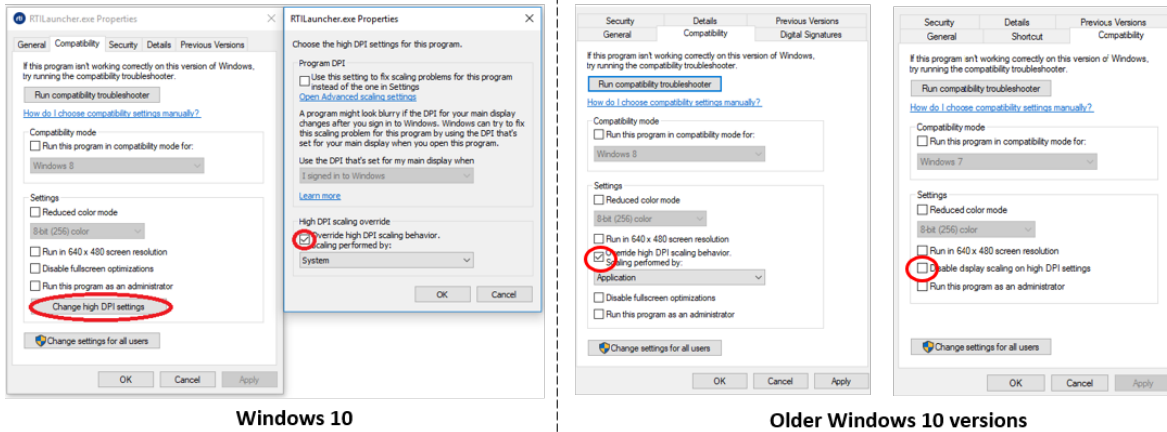
The workaround is to change the scaling behavior from **Application** to **System**. For example, on Windows 10 platforms:

1. Right click the **RTILauncher.exe** executable and select Properties.
2. Navigate to the Compatibility tab and choose the "Change high DPI settings" button.
3. Select the "Override high DPI scaling behavior" check box and change **Application** to **System** in the drop-down menu.

Note: The "Override high DPI scaling behavior" is located in different places on older Windows 10 versions:

- The "Override high DPI scaling behavior" check box may be located in the Compatibility tab.

- The check box may be called "Disable display scaling on high DPI settings" located in the Compatibility tab.

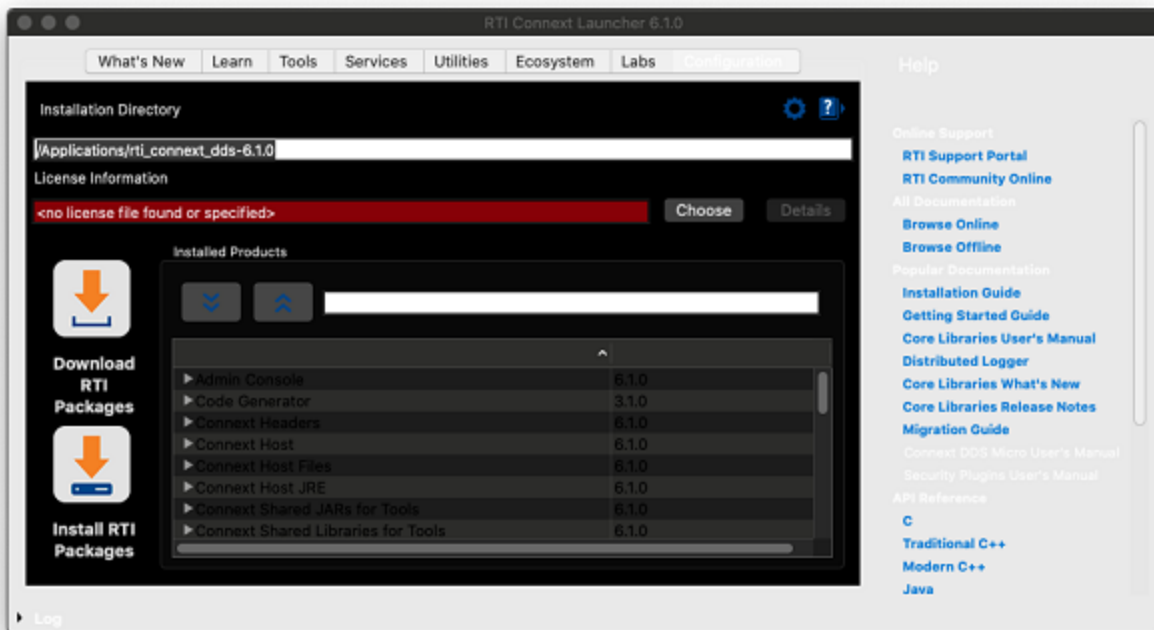


[RTI Issue ID LAUNCHER-387]

5.6 Appearance Issues on macOS 10.15 Platforms (Catalina)

Launcher shows some appearance issues on macOS 10.15 platforms (Catalina):

- If the appearance mode is set to *Auto*, *Launcher* will mix the Light and Dark appearances.
- Changing the appearance mode from Light to Dark, or vice versa, will also mix the Light and Dark appearances of *Launcher*.



In both cases, changing the appearance mode to Light or Dark and reopening *Launcher* will fix the appearance issue.

[RTI Issue ID LAUNCHER-510]

5.7 Drag-and-drop does not work when running Launcher as Administrator on Windows systems

The drag-and-drop feature doesn't work when running *Launcher* as an Administrator on a Windows system.

[RTI Issue ID LAUNCHER-607]