

RTI Launcher

Release Notes

Version 5.3.0



Your systems. Working as one.



© 2017 Real-Time Innovations, Inc.
All rights reserved.
Printed in U.S.A. First printing.
June 2017.

Trademarks

Real-Time Innovations, RTI, NDDS, RTI Data Distribution Service, DataBus, Connex, Micro DDS, the RTI logo, 1RTI and the phrase, “Your Systems. Working as one,” are registered trademarks, trademarks or service marks of Real-Time Innovations, Inc. All other trademarks belong to their respective owners.

Copy and Use Restrictions

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form (including electronic, mechanical, photocopy, and facsimile) without the prior written permission of Real-Time Innovations, Inc. The software described in this document is furnished under and subject to the RTI software license agreement. The software may be used or copied only under the terms of the license agreement.

Technical Support

Real-Time Innovations, Inc.

232 E. Java Drive
Sunnyvale, CA 94089

Phone: (408) 990-7444

Email: support@rti.com

Website: <https://support.rti.com/>

Release Notes

1 Supported Platforms

RTI® Launcher is supported on the platforms listed in [Table 1.1](#). For more information, see the *RTI Connex® DDS Core Libraries Platform Notes*.

Table 1.1 **Supported Platforms**

Platforms	Operating System
Linux®	All Linux platforms listed in the <i>RTI Connex DDS Core Libraries Release Notes</i> for the same version number, except not supported on Wind River Linux 4 platforms.
Mac® OS	All OS X platforms listed in the <i>RTI Connex DDS Core Libraries Release Notes</i> for the same version number.
Windows®	All Windows platforms listed in the <i>RTI Connex DDS Core Libraries Release Notes</i> for the same version number.

2 What's New in 5.3.0

2.1 New Platform

This release add support for this platform:

- ❑ Ubuntu® 16.04 LTS

For details, see the *RTI Connex DDS Core Libraries Platform Notes*.

2.2 Launcher Updated for Newer Ada Version

Launcher now supports Ada 2012 instead of Ada 2005.

2.3 Web Integration Service Moved to Services Tab

RTI Web Integration Service has been moved to the Services tab, and new parameters have been added to the tool.

2.4 New Options in Code Generator Dialog for Modern C++ to Force Use of STL Types

There are new options in the Code Generator dialog and its advanced dialog to expose *Code Generator's* `-stl` option. This option is used to force the use of STL types in the generated code, for languages C++11 and C++03. The advanced dialog also exposes a check box to force the use of `std::vector`, `-alwaysUseStdVector`.

2.5 New LabVIEW and MathWorks Buttons in Third-Party Tab

There are two new buttons in the Third-Party tab for LabVIEW® and MathWorks®. Each one has a link to a website where you can find instructions on how to download and install these products.

3 What's Fixed in 5.3.0

3.1 RTI DDS Spy not Launched Properly when Topic or Type Expressions Used—Windows Platforms Only

Launcher used the wrong quotes when adding the `topicRegex` and `typeRegex` parameters when starting RTI DDS Spy on Windows platforms. This caused the launched app not to work properly in that it did not apply the filters. This problem has been resolved.

[RTI Issue ID LAUNCHER-232]

3.2 Launcher indicates "Launching" to prevent accidental opening of multiple tools

Launcher now changes the descriptions of Admin Console, Recording Console, and Monitor to indicate "Launching" when a user clicks and disables the button for three seconds, to prevent opening multiple copies.

[RTI Issue ID LAUNCHER-255]

3.3 Launcher Froze on Linux-Based Platforms when Trying to Open Nonexistent PDF

On Linux-based platforms, when *Launcher* tried to open a PDF file that for some reason didn't exist, *Launcher* would freeze and had to be forcefully terminated. This problem has been resolved.

[RTI Issue ID LAUNCHER-256]

4 Known Issues

4.1 Launcher may not Appear Correctly on High Resolution Screens

Launcher's labels, windows, and text may not show up correctly on monitors with a very high resolution (> 96 dpi).

[RTI Issue ID LAUNCHER-128]

4.2 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_connex_ddds-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]

4.3 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]

4.4 Launcher Prints GDK Warnings when Opening Dialogs

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

```
Gdk-WARNING **: gdk_window_set_icon_list: icons too large
```

This warning is harmless and happens because of some icon incompatibilities with GDK.

[RTI Issue ID LAUNCHER-165]

4.5 Possible Crash First Time Launcher Started on Mac OS X 10.11 (El Capitan) System

Launcher may crash when launching Recorder on a Mac OS X 10.11 system. This may happen if you've never opened any other RTI application from *Launcher* (that is, Recorder is the first application to be run from *Launcher*). This issue may not happen if you delete the **rti_workspace** folder and opened *Launcher* again, or if you restart *Launcher*.

[RTI Issue ID LAUNCHER-249]

4.6 Launcher Fails to Show User Configurations in Prototyper Dialog when using Old <participant_library> Tag

The name of the *Prototyper* top-level configuration tag in version 5.3 is **domain_participant_library**, but Prototyper 5.3 still allows the old **participant_library** tag to be specified. However, *Launcher* will only accept the new one.

If a configuration using the old tag is passed, *Launcher* will fail to show the available configurations in the drop-down menu. In order to work with *Launcher*, the old **participant_library** tag should be substituted with **domain_participant_library** in the XML configuration. Both *Launcher* and *Prototyper* will accept the tag.

[RTI Issue ID LAUNCHER-269]