

RTI Monitor

Release Notes

Version 7.1.0



Trademarks

RTI, Real-Time Innovations, Connex, NDDS, the RTI logo, IRTI 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 solely under and subject to RTI's standard terms and conditions available at <https://www.rti.com/terms> and in accordance with your License Acknowledgement Certificate (LAC) and Maintenance and Support Certificate (MSC), except to the extent otherwise accepted in writing by a corporate officer of RTI.

This is an independent publication and is neither affiliated with, nor authorized, sponsored, or approved by, Microsoft Corporation.

The security features of this product include software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>). This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Notices

Early Access Software

“Real-Time Innovations, Inc. (“RTI”) licenses this Early Access release software (“Software”) to you subject to your agreement to all of the following conditions:

- (1) you may reproduce and execute the Software only for your internal business purposes, solely with other RTI software licensed to you by RTI under applicable agreements by and between you and RTI, and solely in a non-production environment;
- (2) you acknowledge that the Software has not gone through all of RTI’s standard commercial testing, and is not maintained by RTI’s support team;
- (3) the Software is provided to you on an “AS IS” basis, and RTI disclaims, to the maximum extent permitted by applicable law, all express and implied representations, warranties and guarantees, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, satisfactory quality, and non-infringement of third party rights;

(4) any such suggestions or ideas you provide regarding the Software (collectively , “Feedback”), may be used and exploited in any and every way by RTI (including without limitation, by granting sub-licenses), on a non-exclusive, perpetual, irrevocable, transferable, and worldwide basis, without any compensation, without any obligation to report on such use, and without any other restriction or obligation to you; and

(5) TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT WILL RTI BE LIABLE TO YOU FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY OR PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR FOR LOST PROFITS, LOST DATA, LOST REPUTATION, OR COST OF COVER, REGARDLESS OF THE FORM OF ACTION WHETHER IN CONTRACT, TORT (INCLUDING WITHOUT LIMITATION, NEGLIGENCE), STRICT PRODUCT LIABILITY OR OTHERWISE, WHETHER ARISING OUT OF OR RELATING TO THE USE OR INABILITY TO USE THE SOFTWARE, EVEN IF RTI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.”

Deprecations and Removals

Any deprecations or removals noted in this document serve as notice under the Real-Time Innovations, Inc. Maintenance Policy #4220 and/or any other agreements by and between RTI and customer regarding maintenance and support of RTI’s software.

Deprecated means that the item is still supported in the release, but will be removed in a future release. *Removed* means that the item is discontinued or no longer supported. By specifying that an item is deprecated in a release, RTI hereby provides customer notice that RTI reserves the right after one year from the date of such release and, with or without further notice, to immediately terminate maintenance (including without limitation, providing updates and upgrades) for the item, and no longer support the item, in a future release.

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/>

Contents

Chapter 1 Supported Platforms	1
Chapter 2 Compatibility	2
Chapter 3 What's New in 7.1.0	
3.1 Deprecation Notice	3
Chapter 4 What's Fixed in 7.1.0	
4.1 Improved sorting of time column in table for Distributed Logger	4
Chapter 5 Previous Release	
5.1 What's Fixed in 7.0.0	5
5.1.1 Unable to Start Some Tools on Windows Systems in Certain Cases	5
Chapter 6 Known Issues	6

Chapter 1 Supported Platforms

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

To use *Monitor*, you will also need:

- *RTI Connex* with the same version number (already included in the bundle).
- OpenJDK JDK 11 (already included in the bundle).
- For Windows systems: the appropriate Microsoft® Visual Studio® Redistributable libraries (already included in the Windows bundle).

Chapter 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>).

Monitor can be used to monitor applications built with *Connex* that also use [Monitoring Library](#) (part of *Connex*). Use the same version number for *Monitor* and *Connex*.

Monitor is built on top of *Connex*. Therefore, you should refer to the [Compatibility section of the RTI Connex Core Libraries Release Notes](#) for other compatibility information.

Monitor has been tested with OpenJDK JDK 11, which is included in the installation package. No other versions of Java are supported.

Chapter 3 What's New in 7.1.0

3.1 Deprecation Notice

The *Monitor* UI (as well as the Monitoring Library, see the *RTI Connex*t *What's New*) is deprecated in this release, *Connex*t 7.1. RTI is introducing a new Connex

Observability Framework; in the future, this new framework will replace the current *Monitor* UI.

If you want to start monitoring your deployed systems, you should use the new library; if you're already using the *Monitor* UI and plan to move to future *Connex*t releases, you should plan your migration now. RTI will continue to support the current *Monitor* UI for customers using 6.1.x. This deprecation notice applies to customers using 7.1 and later.

This deprecation serves as notice under the Real-Time Innovations, Inc. Maintenance Policy #4220.

Chapter 4 What's Fixed in 7.1.0

4.1 Improved sorting of time column in table for Distributed Logger

The time column in the Distributed Logger table used string-based sorting, which lead to sub-optimal results (for instance, when the meridian or AM/PM changed). This column is now sorted by the time itself. This can also lead to suboptimal results if, for example, two log messages share the same timestamp. However, we believe that this result is less confusing than the previous implementation.

[RTI Issue ID MONITOR-212]

Chapter 5 Previous Release

5.1 What's Fixed in 7.0.0

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

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

[RTI Issue ID MONITOR-392]

Chapter 6 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>.

- *Monitor* will show monitoring information for an application properly only if all the monitoring Description topics are published and not filtered (this is the default setting).

The **Description** topics are needed to properly place objects in the tree views. The per-matched and per-locator topics are needed for the System Overview panel's Matches option to work properly.

- The aggregation capability will not work correctly with applications that publish monitoring data at a rate that is different than the aggregation rate used in *Monitor*.
- *Monitor* does not support DomainParticipants that use WireProtocolQosPolicyAutoKind RTPS_AUTO_ID_FROM_MAC.
- The internal DomainParticipant (1) and DataWriters (13) created by *Monitor* are incorrectly included in the counts for remote participants or remote writers in the Status panel, even though the monitoring library has been configured to exclude internally created entities in the count.
- When running the **rtimonitor** script in a terminal on a macOS system, you may see the following warning:

```
WARNING: GL pipe is running in software mode (Renderer ID=0x1020400)
```

This does not affect *Monitor's* functionality and will be addressed in a future release. [RTI ISSUE ID MONITOR-242]