

RTI Monitor

Release Notes

Version 6.1.1



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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).

Notice

Any deprecations noted in this document serve as notice under the Real-Time Innovations, Inc. Maintenance Policy #4220.

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Chapter 1 Supported Platforms

RTI® Monitor is supported on the platforms in [Table 1 Supported Platforms](#). For details on these platforms, see the *RTI Connex DDS Core Libraries Platform Notes*.

Note: POSIX®-compliant architectures that end with "FACE_GP" are not supported.

Table 1 Supported Platforms

Operating System	Version
Linux®	All Linux platforms on Intel®x64 CPUs listed in the <i>RTI Connex® DDS Core Libraries Release Notes</i> for the same version number.
macOS®	All macOS platforms on Intel x64 CPUs 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.

Monitor is also supported on the platforms in [Table 2 Custom Supported Platforms](#); these are target platforms for which RTI offers custom support. If you are interested in one of these platforms, please contact your local RTI representative or email sales@rti.com.

Table 2 Custom Supported Platforms

Operating System	Version
Linux	RedHawk™ Linux 6.5 on Intel x64 CPUs (available on demand)

To use *Monitor*, you will also need:

- *RTI Connex DDS* 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 6.1.1 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 DDS* that also use [Monitoring Library](#) (part of *Connex DDS*). Use the same version number for *Monitor* and *Connex DDS*.

Monitor is built on top of *Connex DDS*. Therefore, you should refer to the [Compatibility section of the RTI Connex DDS 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 6.1.1

3.1 Third-Party Software Upgrades

The following third-party software used by *Monitor* has been upgraded:

Third-Party Software	Previous Version	Current Version
AdoptOpenJDK® JRE	11.0.7	11.0.13
Apache® Log4j 2™	1.2.16	2.17.1

For information on third-party software used by *Connex DDS* products, see the "3rdPartySoftware" documents in your installation: `<NDDSHOME>/doc/manuals/connex_dds_professional/release_notes_3rdparty`.

Chapter 4 Previous Release

4.1 What's New in 6.1.0

4.1.1 New platforms

This release adds support for these platforms:

- macOS 10.15 (x64)
- Red Hat® Enterprise Linux 7.6 (x64)
- Ubuntu® 20.04 LTS (x64)

4.1.2 Removed platforms

These platforms are no longer supported:

- 32-bit (x86) Linux and Windows platforms
- macOS 10.12
- Red Hat Enterprise Linux 5.2 (custom-supported target platform)
- RedHawk™ Linux 6.5 on x86 (custom-supported target platform)
- SUSE Linux Enterprise Server 11
- Ubuntu® 12.04 LTS

4.1.3 New version of Java

This release uses (and includes) AdoptOpenJDK JRE version 11 (instead of Oracle JRE version 8).

4.1.4 Instance information

Monitor now displays instance information for the DataReader and DataWriter caches. This information is also aggregated for higher-level entities, allowing for easier debugging and a deeper understanding of instance usage in a system.

4.1.5 Asynchronous Publisher Statistics

Monitor now displays statistics for DataWriters that use asynchronous publishing.

4.1.6 Added display of new dropped-sample statuses

Monitor now displays several new dropped-sample statistics being provided by the *Connex DDS* library.

4.1.7 Updated Monitor's look and feel

FlatLaf has been integrated with *Monitor's* UI to improve the look and feel of the application.

Chapter 5 Known Issues

- *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]