

RTI Monitor

Release Notes

Version 5.3.1



Your systems. Working as one.



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Printed in U.S.A. First printing.
February 2018.

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Release Notes

1 Supported Platforms

RTI® *Monitor* is supported on the platforms in [Table 1.1](#).

Table 1.1 **Supported Platforms**

Operating System	
Linux®	All Linux platforms on x86/x64 CPUs listed in the <i>RTI Connexx DDS Core Libraries Release Notes</i> for the same version number, except not supported on Wind River® Linux platforms.
OS X®	All OS X platforms listed in the <i>RTI Connexx DDS Core Libraries Release Notes</i> for the same version number.
Windows®	All Windows platforms listed in the <i>RTI Connexx DDS Core Libraries Release Notes</i> for the same version number.

For details on these platforms, see the *RTI Connexx® DDS Core Libraries Platform Notes*.

Monitor is also supported on the platform listed in [Table 1.2](#); this is a target platform for which RTI offers custom support. If you are interested in this platform, please contact your local RTI representative or email sales@rti.com.

Table 1.2 **Custom Supported Platforms**

Operating System	
Linux	Red Hat Enterprise Linux 5.2

To use *Monitor* you will also need:

- *RTI Connexx*® *DDS* with the same version number (already included in the bundle)
- JAVA 1.7 update 76 or later is suggested (already included in the bundle)
- For Windows systems: the appropriate Microsoft® Visual Studio® Redistributable libraries (already included in the Windows bundle)

2 Compatibility

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

Note: *Monitor* is built on top of *Connexx DDS*. Therefore you should refer to the Compatibility section of the *RTI Connexx DDS Core Libraries Release Notes* for other compatibility information.

3 What's Fixed in 5.3.1

These fixes have been made since 5.3.0.

3.1 DomainParticipant Information not Published when Created with WireProtocolQosPolicy rtps_auto_id_kind DDS_RTTPS_AUTO_ID_FROM_UUID

Monitor failed to publish the data of a *DomainParticipant* that was created with the following QoS setting:

```
WireProtocolQosPolicy::rtps_auto_id_kind = DDS_RTTPS_AUTO_ID_FROM_UUID.
```

The following message was printed:

```
DDSMonitoring_WireProtocolQosPolicyAutoKindPlugin_serialize:invalid enum value 2 for enumerator DDSMonitoring_WireProtocolQosPolicyAutoKind
```

This QoS setting was introduced in 5.3.0 as part of support for IP mobility.

This problem has been resolved.

[RTI Issue ID MONITOR-226]

4 Previous Release

4.1 What's New in 5.3.0

These enhancements have been made since 5.2.3.

4.1.1 New Platforms

This release adds support for Red Hat Enterprise Linux 6.8 platforms. See the *RTI Connex DDS Platform Notes* for details.

4.2 What's Fixed in 5.3.0

These fixes have been made since 5.2.3.

4.2.1 Builtin Topic Data not Available in Saved Files

The builtin topic data (DomainParticipant, Publisher, and Subscriber) was not available when loading data from a saved file. This data is now available.

[RTI Issue ID MONITOR-110]

4.2.2 Samples Lost Reason Field Not Accurate

When looking at the Status Panel in Advanced mode, the reason field of the Samples Lost section was not accurate. This happened only when samples were being lost and when the panel was displaying data for entities other than the DataReader that lost samples.

[RTI Issue ID MONITOR-215]

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.
- Type information is not available when loading historical data. The Description panel will not show the equivalent IDL, the System Types Table will be empty, and type conflicts will not be reported. [RTI Issue ID DIABLO-766]

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Portions of *RTI Monitor* were developed using:

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