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1 Supported Platforms

*RTI® Monitor* is supported on the platforms in Table 1.1 Supported Platforms.

### Table 1.1 Supported Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linux®</td>
<td>All Linux platforms on x86/x64 CPUs listed in the <em>RTI Connext® DDS Core Libraries Release Notes</em> for the same version number, except Wind River® Linux 7 platforms.</td>
</tr>
<tr>
<td>macOS®</td>
<td>All macOS platforms listed in the <em>RTI Connext DDS Core Libraries Release Notes</em> for the same version number.</td>
</tr>
<tr>
<td>Windows®</td>
<td>All Windows platforms listed in the <em>RTI Connext DDS Core Libraries Release Notes</em> for the same version number.</td>
</tr>
</tbody>
</table>

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

*Monitor* is also supported on the platforms in Table 1.2 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 1.2 Custom Supported Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Version</th>
</tr>
</thead>
</table>
| Linux            | RedHawk™ Linux 6.5 on x86 and x64 CPUs  
                  | Red Hat® Enterprise Linux 5.2 on x86 CPU with gcc 4.2.1 |

To use *Monitor*, you will also need:

- *RTI Connext DDS* with the same version number (already included in the bundle).
- Oracle JRE 8 (already included in the bundle).
• For Windows systems: the appropriate Microsoft® Visual Studio® Redistributable libraries (already included in the Windows bundle).
2 Compatibility

For backward compatibility information between 6.0.1 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 Connext DDS that also use Monitoring Library (part of Connext DDS). Use the same version number for Monitor and Connext DDS.

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

Monitor has been tested with Oracle JRE version 8, which is included in the installation package. No other versions of Java are supported.
3 What's New in 6.0.1

3.1 New platforms

This release adds support for these platforms:

- macOS 10.14 (x64)
- Red Hat Enterprise Linux 8 (x64)
- Windows 10 (x86, x64) with Visual Studio® 2019
- Windows Server 2016 (x86, x64) with Visual Studio 2019

3.2 Removed platforms

These platforms are no longer supported:

- macOS 10.11
- Windows 7
- Windows Server 2008 R2
4 What's Fixed in 6.0.1

4.1 Host repeated for each process

*RTI Monitor* erroneously repeated the same host entity in the Physical View. This issue has been fixed.

[RTI Issue ID MONITOR-250]
5 Previous Releases

5.1 What's New in 6.0.0

5.1.1 New platforms

This release added support for these platforms:

- SUSE Linux Enterprise Server 12 (x64Linux2.6gcc4.3.4)
- Ubuntu 18.04 LTS (x64Linux4gcc7.3.0)

5.1.2 Removed platforms

This release removed support for the following platforms:

- CentOS 5.x
- Red Hat Enterprise Linux 5.x (except 5.2 on x86 with gcc 4.2.1, which is available as a custom target platform, i86Linux2.6gcc4.2.1)
- OS X 10.10

5.1.3 Determining Host Name and Process ID

Monitor receives Discovery information about DomainParticipants, DataReaders, and DataWriters. Part of the DomainParticipant information includes system properties that provide Monitor with the host name and process ID. However, these properties can be disabled through QoS configuration. In this case, Monitor tries to fill in the missing information.

In previous releases in this situation, Monitor used the DomainParticipant's identity (GUID) to determine the host IP address and process ID. The host IP address was then used to try to determine a host name (in a process similar to an nslookup). This method was not always accurate and may have resulted in an unexpected host name shown in the user interface.
5.1.4 Sequence number field replaced with message ID field

Starting with this release, if the necessary information isn't provided in the system properties, Monitor will use 127.0.0.1 for the IP address (and lookup the name from that address) and zero for the process ID. If you see either of these values in the user interface, please reconfigure your QoS settings to allow the system properties to reach Monitor.

5.1.4 Sequence number field replaced with message ID field

In the Distributed Logger Panel, the Sequence Number field has been replaced with a new Message ID field. This field is set on the source of the log messages and enables the identification of message loss on the distributed logger side.

5.2 What's Fixed in 6.0.0

5.2.1 System Types Table always indicated presence of a key

The System Types Table always indicated "yes" for the "Keyed" column if monitoring data was available for that type. This happened even if the type did not use a key. This problem has been resolved.

[RTI Issue ID MONITOR-240]

5.2.2 Possible segmentation fault when using Monitoring Library

There was a rare race condition when using Monitoring Libraries that may have led to a segmentation fault. This issue was more likely to occur if the DDS application using the monitoring libraries created and deleted entities often. This problem has been fixed.

[RTI Issue ID MONITOR-246]
6 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 RTPSAUTO_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
  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]
7 Third-Party Licenses

Portions of RTI Monitor were developed using:

- **Apache® log4j™** from the Apache Software Foundation ([http://logging.apache.org/log4j/](http://logging.apache.org/log4j/))
- **JCommon**, licensed under the terms of the GNU Lesser General Public Licence (LGPL) version 2.1 or later ([http://www.jfree.org/jcommon/](http://www.jfree.org/jcommon/))
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Additional information about Third-Party Content contained in the RTI product suite can be found in RTI_ConnextDDS_3rdPartySoftware_Tools_Services.pdf.

7.1 Apache Software License Version 2.0

Apache License

Version 2.0, January 2004

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