Release Notes

1 Supported Platforms

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

Table 1.1 Supported Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>CPU</th>
</tr>
</thead>
<tbody>
<tr>
<td>CentOS 5.4, 5.5, 6.0, 6.2 - 6.4 (2.6 kernel)</td>
<td>x86</td>
</tr>
<tr>
<td></td>
<td>x64</td>
</tr>
<tr>
<td>Red Hat® Enterprise Linux 5.0, 5.2, 5.4, 5.5, 6.0-6.5 (2.6 kernel)</td>
<td>x86</td>
</tr>
<tr>
<td></td>
<td>x64</td>
</tr>
<tr>
<td>Red Hat Enterprise Linux 7.0 (3.x kernel)</td>
<td>x86</td>
</tr>
<tr>
<td></td>
<td>x64</td>
</tr>
<tr>
<td>SUSE® Linux Enterprise Server 11 SP2, SP3 (2.6 kernel)</td>
<td>x64</td>
</tr>
<tr>
<td>SUSE Linux Enterprise Server 11 SP2 (3.x kernel)</td>
<td>x86</td>
</tr>
<tr>
<td>Ubuntu® Server 12.04 LTS (3.x kernel)</td>
<td>x86</td>
</tr>
<tr>
<td></td>
<td>x64</td>
</tr>
<tr>
<td>Ubuntu 14 (3.x kernel)</td>
<td>x86</td>
</tr>
<tr>
<td></td>
<td>x64</td>
</tr>
<tr>
<td>Mac®</td>
<td>OS® X 10.8, 10.10</td>
</tr>
<tr>
<td>Windows®</td>
<td>All Windows platforms listed in the RTI Connext DDS Core Libraries Release Notes</td>
</tr>
<tr>
<td>Linux®</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Operating System</th>
<th>CPU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linux</td>
<td>Red Hat Enterprise Linux 5.2 (2.6 kernel)</td>
</tr>
<tr>
<td></td>
<td>x86</td>
</tr>
</tbody>
</table>

To use Monitor you will also need:

- RTI Connext™ 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 Connext DDS that also use Monitoring Library (part of Connext DDS). Use the same version number for Monitor and Connext DDS.

Note: 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.

3 What’s New in 5.2.0

3.1 New Platforms

This release adds support for these platforms:

- Mac OS X 10.8 and 10.10
- Red Hat Enterprise Linux 6.5
- Ubuntu 14

3.2 Removed Platforms

These platforms are no longer supported:

- Fedora 12
- Windows platforms that used Visual Studio 2005 are no longer supported.

3.3 Ability to Detect Incompatible Transport Locator IDs

Connext DDS 5.1.0 and earlier releases used a UDPv6 locator value that was not compliant with the value noted in the RTPS specification (the value was 5 when it should have been 2). Because of this issue, Connext DDS could not interoperate with other DDS vendors over UDPv6. Connext DDS 5.2.0 corrects this issue.

Because the locator value has changed, applications that use 5.2.0 are not compatible with applications that use 5.1.0 or lower when using the UDPv6 and/or shared-memory transports.

This release of Monitor will detect if two applications are using incompatible transport locators. If this occurs, Monitor’s Notifications panel will show a “warning” state for the involved DomainParticipants.

4 What’s Fixed in 5.2.0

4.1 TypeObject Serialized Size now Available

The serialized size of TypeObject representations is now available in both the Description Panel and System Types Table. This information can be used to fine tune QoS settings related to TypeObject size. Note that the TypeCode sizes were previously provided and continue to be provided in this release.

[RTI Issue ID MONITOR-164]
4.2 Host Improperly Identified when no IPv4 Interfaces Available

The host identity was not properly determined when there were no IPv4 interfaces available. This typically manifested when only IPv6 interfaces were available on the host. This problem has been resolved.

[RTI Issue ID MONITOR-170]

4.3 Type Consistency Algorithm did not Match Documentation

The algorithm to check for type consistency did not match the documentation. This problem has been resolved.

[RTI Issue ID MONITOR-192]

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]

6 Third-Party Licenses

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