RTI Real-Time
WAN Transport

Release Notes

Version 6.1.1
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Release Notes

1 Supported Platforms

RTI® Real-Time WAN Transport is supported on all platforms listed in the RTI Connext DDS Core Libraries Release Notes, including custom supported platforms, except POSIX®-compliant architectures that end with "FACE_GP".

2 Compatibility

RTI Real-Time WAN Transport is an optional product for use with Connext DDS with the same version number.

3 What's New in 6.1.1

3.1 Ability to Prioritize Data Flow using New Support for Differentiated Services Field (Linux Platforms Only)

This release allows you to set the differentiated services field value in the IP packets sent by the Real-Time WAN Transport.

To do so, use the DataWriterQos.transport_priority and DataReaderQos.transport_priority for user Topics, and the DomainParticipantQos.discovery.metatraffic_transport_priority for non-user Topics (e.g., discovery Topics).

This feature is only supported on Linux® platforms.
3.2 New Platforms

This release adds support for the following new platforms.

Table 1 Added Platforms

<table>
<thead>
<tr>
<th>Operating System</th>
<th>CPU</th>
<th>Compiler</th>
<th>RTI Architecture Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX® 7.2</td>
<td>POWER9™</td>
<td>xclang 16.1</td>
<td>64p9AIX7.2xclang16.1</td>
</tr>
<tr>
<td>Custom-supported target platform. Contact your RTI sales representative or <a href="mailto:sales@rti.com">sales@rti.com</a> for more information.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>macOS® 11</td>
<td>Arm®v8</td>
<td>clang 12.0</td>
<td>arm64Darwin20clang12.0</td>
</tr>
<tr>
<td>QNX® Neutrino® 7.1</td>
<td>Arm v8</td>
<td>qcc 8.3.0</td>
<td>armv8QNX7.1qcc_gpc8.3.0</td>
</tr>
</tbody>
</table>

4 What's Fixed in 6.1.1

4.1 Source Code Bundle was Missing Critical Piece of Code Related to UDP Multicast Support

In 6.1.0, the source code bundle was missing a critical piece of code related to UDP multicast. This issue has been resolved. The source code bundle is no longer missing code for UDP multicast support.

[RTI Issue ID CORE-11590]

5 Previous Release

5.1 What's New in 6.1.0

Real-Time WAN Transport is a new built-in Connext DDS transport plugin in this release that enables communication over wide area networks (WANs) using UDP as the underlying IP transport-layer protocol.

Real-Time WAN Transport is recommended for all new applications connecting over wide area networks. Legacy applications can continue to use the RTI Secure WAN Transport included in this release and/or upgrade to Real-Time WAN Transport. RTI is not committed to continuing support for the legacy Secure WAN Transport in future versions of Connext DDS.

Real-Time WAN Transport is not installed as part of a Connext DDS package; it must be downloaded and installed separately as described in the Real-Time WAN Transport Installation Guide.

See the "Real-Time WAN Transport" part of the RTI Connext DDS Core Libraries User's Manual for more information.