

RTI Real-Time WAN Transport

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.

Technical Support

Real-Time Innovations, Inc.

232 E. Java Drive

Sunnyvale, CA 94089

Phone: (408) 990-7444

Email: support@rti.com

Website: <https://support.rti.com/>

Contents

Release Notes

1 Supported Platforms	1
2 Compatibility	1
3 What's New in 6.1.1	1
3.1 Ability to Prioritize Data Flow using New Support for Differentiated Services Field (Linux Platforms Only)	1
3.2 New Platforms	2
4 What's Fixed in 6.1.1	2
4.1 Source Code Bundle was Missing Critical Piece of Code Related to UDP Multicast Support ..	2
5 Previous Release	2
5.1 What's New in 6.1.0	2

Release Notes

1 Supported Platforms

RTI® Real-Time WAN Transport is supported on all platforms listed in the *RTI Connex 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 *Connex 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

Operating System	CPU	Compiler	RTI Architecture Abbreviation
AIX® 7.2 <i>Custom-supported target platform. Contact your RTI sales representative or sales@rti.com for more information.</i>	POWER9™	xlclang 16.1	64p9AIX7.2xlclang16.1
macOS® 11	Arm® v8	clang 12.0	arm64Darwin20clang12.0
QNX® Neutrino® 7.1	Arm v8	qcc 8.3.0	armv8QNX7.1qcc_gpp8.3.0

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 builtin *Connex 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 *Connex DDS*.

Real-Time WAN Transport is not installed as part of a *Connex 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 Connex DDS Core Libraries User's Manual* for more information.