RTI TLS Support

Release Notes

Version 5.3.1

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Contents

TLS Support Release Notes

1 Supported Platforms

TLS Support is available for the platforms in the following table.

Table 1.1 Supported Platforms

Operating System	Version
Android™	All platforms in the *RTI® Connext® DDS Platform Notes* for the same version number, except not supported on SUSE® 11. Among custom target platforms, only RedHawk™ Linux 6.5 is supported.
iOS®	
Linux®	
OS X®	
QNX®	All QNX Neutrino® 6.5 and higher platforms in the *RTI Connext DDS Core Libraries Platform Notes* for the same version number.
Windows®	All platforms in the *RTI Connext DDS Platform Notes* for the same version number.

For details on these platforms, see the *RTI Connext DDS Platform Notes*:

2 Compatibility with Current Software

RTI TLS Support is designed for use with the TCP transport that is included with RTI Connext DDS. If you choose to use TLS Support, it must be installed on top of an existing TLS Support installation with the same version number. It can only be used on architectures that support the TCP transport (see the *RTI Core Libraries Platform Notes*).

RTI TLS Support 5.3.1 is compatible with OpenSSL 1.0.2n.

3 Backward Compatibility

If you are upgrading from OpenSSL 1.0.1 to OpenSSL 1.0.2 or above: The number of bits of any Diffie-Hellman (DH) parameters must now be at least 1024 (see https://www.openssl.org/blog/blog/2015/05/20/logjam-freak-upcoming-changes/). Therefore, if you are using the property **tls.cipher.dh_param_files** and there is a DH parameter file that has fewer than 1024 bits, you must regenerate the file with at least 1024 bits.

4 What's New in 5.3.1

This release adds support for the following platforms:

Operating System	CPU	Compiler	RTI Architecture Abbreviation
OS X 10.13	x64	clang 9.0	x64Darwin17clang9.0
QNX Neutrino 7.0	ARMv8	qcc 7.0.0 with LLVM default libraries	armv8QNX7.0.0qcc_cxx5.4.0
		qcc 7.0.0 with GNU C++ libraries	armv8QNX7.0.0qcc_gpp5.4.0
	x64	qcc 7.0.0 with LLVM default libraries	x64QNX7.0.0qcc_cxx5.4.0
		qcc 7.0.0 with GNU C++ libraries	x64QNX7.0.0qcc_gpp5.4.0
RedHawk™ Linux 6.5 (Available through custom support)	i86	gcc 4.9.2	i86RedHawk6.5gcc4.9.2
	x64	gcc 4.9.2	x64RedHawk6.5gcc4.9.2
Ubuntu® 16.04 LTS	ARMv8 (AArch64)	gcc 5.4.0	armv8Linux4.4gcc5.4.0
Wind River® Linux 7	x64	gcc 4.9.1	x64WRLinux7gcc4.9.1
Windows 10 Windows Server 2008 R2 Windows Server 2016	x86	Visual Studio 2017 Update 2	i86Win32VS2017
	x64	Visual Studio 2017 Update 2	x64Win64VS2017

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

5 What's New in 5.3.0

5.1 New Platforms

This release adds support for platforms on the following operating systems:

- OS X 10.12
- Red Hat Enterprise Linux 6.8
- Ubuntu 16.04 LTS
- Windows Server 2016

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

5.2 Platforms on Legacy Operating Systems

The following legacy operating systems have reached end-of-life from their corresponding vendors. Please contact RTI support or your account manager if you require version 5.3 to run on these platforms:

- CentOS 5.x
- Red Hat Enterprise Linux 5.x

5.3 Removed Platforms

Platforms on the following operating systems are no longer supported:

- OS X 10.8
- Red Hat Enterprise Linux 4
- Windows Vista, Windows XP Pro, Windows 2003

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