

RTI TLS Support

Core Libraries and Utilities

Release Notes

Version 5.1.0



Your systems. Working as one.



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Release Notes

1 Supported Platforms

This release of *RTI® TLS Support* is supported on the architectures listed in [Table 1.1](#).

Table 1.1 **Supported Platforms**

Operating System		CPU	Compiler	RTI Architecture Abbreviation
Linux®	CentOS 5.4, 5.5	x86	gcc 4.1.2	i86Linux2.6gcc4.1.2
		x64	gcc 4.1.2	x64Linux2.6gcc4.1.2
	CentOS 6.0, 6.2-6.4	x86	gcc 4.1.2	i86Linux2.6gcc4.4.5
		x64	gcc 4.1.2	x64Linux2.6gcc4.4.5
	Raspbian Wheezy 7.0 (3.6 kernel)	ARMv6	gcc 4.7.2 ¹	armv6vfpLinux3.xgcc4.7.2
	Red Hat® Enterprise Linux 4.0	x86	gcc 3.4.3	i86Linux2.6gcc3.4.3
		x64	gcc 3.4.5	x64Linux2.6gcc3.4.5
	Red Hat Enterprise Linux 5.0	x86	gcc 4.1.1	i86Linux2.6gcc4.1.1
		x64	gcc 4.1.1	x64Linux2.6gcc4.1.1
	Red Hat Enterprise Linux 5.1, 5.2, 5.4, 5.5	x86	gcc 4.1.2	i86Linux2.6gcc4.1.2
		x64	gcc 4.1.2	x64Linux2.6gcc4.1.2
	Red Hat Enterprise Linux 6.0-6.4	x86	gcc 4.4.5	i86Linux2.6gcc4.4.5
		x64	gcc 4.4.5	x64Linux2.6gcc4.4.5
QNX®	Ubuntu® Server 12.04 LTS	x86	gcc 4.6.3	i86Linux2.6gcc4.6.3
		x64	gcc 4.6.3	x64Linux2.6gcc4.6.3
QNX®	QNX Neutrino® 6.5	x86	qcc 4.4.2 with GNU C++ libraries	i86QNX6.5qcc_gpp4.4.2
Windows®	All Windows architectures listed in the <i>RTI Core Libraries and Utilities Release Notes</i>			

1. Requires [Linaro Gnuabihi Cross Compiler](#)

[Table 1.2](#) lists an additional target library for which RTI offers custom support. If you are interested in using this platform, please contact your local RTI representative or email sales@rti.com.

Table 1.2 **Custom Supported Platforms**

Operating System	CPU	Compiler	RTI Architecture Abbreviation
NI Linux Real-Time 3.2	ARM Cortex-A9	gcc 4.4.1	armv7AngstromLinux3.2gcc4.4.1.cortex-a9

2 Compatibility

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

RTI TLS Support 5.1.0 is compatible with OpenSSL 1.0.1e.

3 What's New in 5.1.0

This release adds support for the following platforms:

- ☐ CentOS 6.2-6.4
 - ☐ Raspbian Wheezy 7.0 (3.6 kernel)
 - ☐ Red Hat Enterprise Linux 4.0, 6.2-6.4
 - ☐ Ubuntu Server 12.04 LTS
 - ☐ Windows 8 (32-bit and 64-bit Editions)
 - ☐ Windows Server 2012 (64-bit Edition)
-

4 What's Fixed in 5.1.0

4.1 Memory Leak in TLS Support

A graceful shutdown of a *DomainParticipant* that was using *TLS Support* with the TCP transport and that had communicated with other *DomainParticipants* over TLS may not have properly freed all TLS resources, resulting in a memory leak. This problem has been resolved.

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