

RTI Monitor

for

RTI Data Distribution Service

Release Notes

Version 4.5e



The Global Leader in DDS



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Technical Support

Real-Time Innovations, Inc.
385 Moffett Park Drive
Sunnyvale, CA 94089
Phone: (408) 990-7444
Email: support@rti.com
Website: <https://support.rti.com/>

Release Notes

1 Dependencies, Supported Architectures, Compatibility

Dependencies:

- RTI Data Distribution Service 4.5e (already included in the bundle)
- JAVA 1.6 update 10 or later is suggested (already included in the bundle)
- For Windows, the Microsoft Visual C++ 2005 SP1 Redistribution libraries (already included in the windows bundle)

Supported Architectures:

Operating System		CPU	Compiler	RTI Architecture Abbreviation
Linux	CentOS 5.4, 5.5 (2.6 kernel)	Pentium class	gcc 4.1.2	i86Linux2.6gcc4.1.2
			Sun Java Platform Standard Edition JDK 1.6	i86Linux2.6gcc4.1.2jdk
		x64	gcc 4.1.2	x64Linux2.6gcc4.1.2
			Sun Java Platform Standard Edition JDK 1.6	x64Linux2.6gcc4.1.2jdk
	Fedora 12 (2.6.32 kernel)	x64	gcc 4.4.4	x64Linux2.6gcc4.4.4
	Red Hat Enterprise Linux 4.0 (2.6 kernel)	Pentium class	gcc 3.4.3	i86Linux2.6gcc3.4.3
			Sun Java Platform Standard Edition JDK 1.5 and 1.6	i86Linux2.6gcc3.4.3jdk
		x86_64 and AMD64	gcc 3.4.5	x64Linux2.6gcc3.4.5
Sun Java Platform Standard Edition JDK 1.5 and 1.6			x64Linux2.6gcc3.4.5jdk	

Operating System		CPU	Compiler	RTI Architecture Abbreviation
Linux (cont'd)	Red Hat Enterprise Linux 5.0 (2.6 kernel)	Pentium class	gcc 4.1.1	i86Linux2.6gcc4.1.1
			Sun Java Platform Standard Edition JDK 1.5 and 1.6	i86Linux2.6gcc4.1.1jdk
		x86_64 and AMD64	gcc 4.1.1	x64Linux2.6gcc4.1.1
			Sun Java Platform Standard Edition JDK 1.5 and 1.6	x64Linux2.6gcc4.1.1jdk
	Red Hat Enterprise Linux 5.1, 5.2, 5.4, 5.5 (2.6 kernel)	Pentium class	gcc 4.1.2	i86Linux2.6gcc4.1.2
			Sun Java Platform Standard Edition JDK 1.6	i86Linux2.6gcc4.1.2jdk
		x86_64 and AMD64	gcc 4.1.2	x64Linux2.6gcc4.1.2
			Sun Java Platform Standard Edition JDK 1.6	x64Linux2.6gcc4.1.2jdk
	Red Hat Enterprise Linux 6.1 (2.6 kernel)	Pentium class	gcc 4.4.5	i86Linux2.6gcc4.4.5
			Sun Java Platform Standard Edition JDK 1.6	i86Linux2.6gcc4.4.5jdk
		x64	gcc 4.4.5	x64Linux2.6gcc4.4.5
			Sun Java Platform Standard Edition JDK 1.6	x64Linux2.6gcc4.4.5jdk
Ubuntu Server 10.04 (2.6 kernel)	Pentium class	gcc 4.4.3	i86Linux2.6gcc4.4.3	
		Sun Java Platform Standard Edition JDK 1.5 and 1.6	i86Linux2.6gcc4.4.3jdk	
	x64	gcc 4.4.3	x64Linux2.6gcc4.4.3	
		Sun Java Platform Standard Edition JDK 1.5 and 1.6	x64Linux2.6gcc4.4.3jdk	
Windows	All Windows platforms listed in the <i>RTI Data Distribution Service Release Notes</i> for 4.5e, except Windows CE			

Compatibility:

- Applications built with *RTI Data Distribution Service 4.5e* that also use *RTI Monitoring Library 4.5e*.
- Applications built with *RTI Data Distribution Service 4.5d* that also use *RTI Monitoring Library 1.0.1*.
- Applications built with *RTI Data Distribution Service 4.5c* that also use *RTI Monitoring Library 1.0.0*.

2 **What's New in 4.5e**

This version provides compatibility with *RTI Data Distribution Service 4.5e* and *RTI Monitoring Library 4.5e*. In addition, the version numbering scheme has been changed to match that of *RTI Data Distribution Service*.

3 **What's Fixed in 4.5e**

3.1 **Failure on Attempt to Leave Domain When No Domains Joined**

If you selected the Leave Domain button or menu item when there were no joined domains, *RTI Monitor* would throw an exception.

[RTI Bug # 13654]

3.2 **Entity States Not Updated in Tree for Topics and DomainParticipants**

The states displayed for Topics and DomainParticipants in the tree views may not have been accurate.

[RTI Bug # 13655]

3.3 **Readers and Writers not Properly Sorted in DDS Logical View**

In the DDS Logical View, DataReaders and DataWriters were not always properly organized in the display.

[RTI Bug # 13656]

3.4 **Exception on Conversion of Invalid QoS Policy ID**

An uncaught exception would be thrown if the conversion of a QoS policy ID to a string failed. *RTI Monitor* is now more robust in dealing with any potential invalid QoS policy IDs from *RTI Monitoring Library*.

[RTI Bug # 13657]

3.5 New Default Transport Settings to Ignore Loopback Interface

The default UDPv4 and UDPv6 transport settings for `ignore_loopback_interface` have been changed from automatic (-1) to enabled (0). This allows the *DomainParticipants* that have disabled the shared-memory transport and are running on the same host as *RTI Monitor* to be discovered.

[RTI Bug # 14102]

3.6 Silent Failure to Load Data from Different Version

If data was saved using one version of *RTI Monitor* and you tried to load that data using a different version of *RTI Monitor*, the load failed but no error was reported. In this release, *RTI Monitor* will notify you if this situation occurs.

[RTI Bug # 14145]

4 Known Issues

- ❑ *RTI Monitor* will show monitoring information for a DDS application properly only if all the monitoring Description topics are published and not filtered (this is the default setting). See the *RTI Monitoring Library Getting Started Guide* for details about monitoring topic filters.

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 *RTI Monitor*.
- ❑ *RTI Monitor* does not support DomainParticipants which use the WireProtocolQosPolicyAutoKind of RTPS_AUTO_ID_FROM_MAC.
- ❑ The internal DomainParticipant (1) and DataWriters (13) created by *RTI 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.

5 Custom Supported Platforms

RTI Monitor is also supported on the platforms listed in [Table 5.1](#); these are target platforms for which RTI offers custom support. If you are interested in these platforms, please contact your local RTI representative or email sales@rti.com.

Table 5.1 Custom Supported Platforms

Operating System		CPU	Compiler	RTI Architecture Abbreviation
Linux	Red Hat Enterprise Linux 5.2 (2.6 kernel)	Pentium class	gcc 4.2.1	i86Linux2.6gcc4.2.1
			Sun Java Platform Standard Edition JDK 1.6	i86Linux2.6gcc4.2.1jdk
	RedHawk Linux 5.4 (2.6 kernel)	Pentium class	gcc 4.2.1	i86RedHawk5.4gcc4.2.1
			Sun Java Platform Standard Edition JDK 1.6	i86RedHawk5.4gcc4.2.1jdk

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