

RTI Routing Service Adapter SDK

Release Notes

Version 5.1.0



Your systems. Working as one.



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Release Notes

1 Supported Platforms

Table 1.0 lists the platforms supported by RTI® Routing Service Adapter SDK. For details on these platforms, please see the *RTI Core Libraries and Utilities Platform Notes*

Table 1.0 **Supported Platforms**

Platform	Operating System	Architecture
Linux®	CentOS 5.4, 5.5 (2.6 kernel)	i86Linux2.6gcc4.1.2 x64Linux2.6gcc4.1.2
	CentOS 6.0, 6.2 - 6.4	i86Linux2.6gcc4.4.5 x64Linux2.6gcc4.4.5
	Raspbian Wheezy 7.0	armv6vfpLinux3.xgcc4.7.2
	Red Hat® Enterprise Linux 5.0	i86Linux2.6gcc4.1.1 x64Linux2.6gcc4.1.1
	Red Hat Enterprise Linux 5.1, 5.2, 5.4, 5.5	i86Linux2.6gcc4.1.2 x64Linux2.6gcc4.1.2
	Red Hat Enterprise Linux 6.0 - 6.4	i86Linux2.6gcc4.4.5 x64Linux2.6gcc4.4.5
	Ubuntu® Server 12.04 LTS (2.6 kernel)	i86Linux3.xgcc4.6.3 x64Linux3.xgcc4.6.3
Windows®	Windows 7	i86Win32VS2005
	Windows 8	i86Win32VS2008
	Windows Server® 2008 R2	i86Win32VS2010
	Windows Server 2012 R2	i86Win32VS2012
	Windows 2003	x64Win64VS2005
	Windows Vista®	x64Win64VS2008
	Windows XP Professional	x64Win64VS2010
		x64Win64VS2012

RTI Routing Service Adapter SDK is intended for use with RTI Routing Service with the same version number.

2 What's New in 5.1.0

2.1 New Platforms

This release adds support for the following platforms:

- ☐ CentOS 6.2 - 6.4
 - ☐ Raspbian Wheezy 7.0
 - ☐ Red Hat Enterprise Linux 6.2 - 6.4
 - ☐ Ubuntu® Server 12.04 LTS (2.6 kernel)
 - ☐ Windows 8
 - ☐ Windows Server 2012 R2
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3 What's Fixed in 5.1.0

3.1 Socket Adapter Example Failed to Deserialize Data Containing Empty Strings

The format expected by the socket adapter when deserializing empty strings did not match the format the socket adapter used to serialize them. Therefore, if *Routing Service* was reading from the socket adapter (i.e., using a `SocketStreamReader` in a route input), it failed to process the data from another instance of *Routing Service* that was writing to the socket adapter if the data included empty string fields.

This problem has been resolved; the serialization format for an empty string for a field called **my_field** is now **my_field=""**.

[RTI Issue ID ROUTING-187]

4 Known Issues

4.1 Limitations in Adapter API

In the Adapter API, `Connection::get_attributes()` and update operations are currently not supported.