RTI Administration Console

Release Notes

Version 5.1.0





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Release Notes

1 Supported Platforms

Table 1.0 lists the platforms available with *Administration Console* 5.1.0.

Table 1.0 Supported Platforms

Platform	Operating System					
	CentOS 5.4, 5.5, 6.0, 6.2 - 6.4					
Linux	Fedora 12 (2.6.32 kernel)					
Linux	Red Hat® Enterprise Linux 5.0 - 5.2, 5.4, 5.5, 6.0 - 6.4					
	Ubuntu® Server 12.04 LTS (3.x kernel)					
	Windows 7 (32-bit and 64-bit Editions)					
	Windows 8 (32-bit and 64-bit Editions)					
	Windows Server 2003 (32-bit and 64-bit Editions)					
Windows®	Windows Server 2008 R2 (64-bit Edition)					
	Windows Server 2012 R2 (64-bit Edition)					
	Windows Vista® (32-bit and 64-bit Editions)					
	Windows XP Professional SP 2(32-bit and 64-bit Editions)					

2 Compatibility

Admin	Consol	e is c	ompatible	e with	these	compone	nts,	with	the	same	version	num	ber:
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- ☐ RTI Distributed Logger
- ☐ RTI Persistence Service
- ☐ RTI Real-Time Connect
- ☐ RTI Recording Service (including its Replay and Record tools)
- ☐ RTI Routing Service

In *Connext* 5.1.0, the default **message_size_max** for the UDPv4, UDPv6, TCP, Secure WAN, and shared-memory transports changed to provide better out-of-the-box performance. *Admin Console* 5.1.0 also uses the new default value for **message_size_max**. Consequently, *Admin Console* 5.1.0 is not out-of-the-box compatible with applications running older versions of *Connext* or *RTI Data Distribution Service*. Please see the *RTI Core Libraries and Utilities Release Notes* for instructions on how to resolve this compatibility issue with older *Connext* and *RTI Data Distribution Service* applications.

	The types of the remote administration and monitoring topics are not compatible with 5.0.0. Therefore:						
	☐ <i>Admin Console</i> 5.0.0 and other 5.0.0 RTI components that perform monitoring/administration are not compatible with <i>Admin Console</i> 5.1.0.						
	☐ Admin Console 5.1.0 and other 5.1.0 RTI components that perform monitoring/administration are not compatible with Admin Console 5.0.0.						
	What's New in 5.1.0						
	New Platforms						
	This release adds support for the following platforms:						
	☐ CentOS and Red Hat Enterprise Linux 6.2 - 6.4						
	☐ Ubuntu Server 12.04 LTS (3.x kernel)						
	☐ Windows 8 (32-bit and 64-bit Editions)						
	☐ Windows Server 2012 R2 (64-bit Edition)						
	New Behavior for Configuration File Refresh Button						
	In the previous release, if you selected a configuration file to load and then clicked on the refresh button, nothing would happen. In this release, clicking on the refresh button in this scenario will reload the current file, potentially prompting for permission to discard any changes (if applicable).						
	New Location for Configuration Controls						
	The controls for the open configuration (save, refresh, send to service) used to be on the main toolbar. To make it easier to use these controls, now they are located directly inside the configuration editor tab along with the configuration itself.						
	Admin Console's QoS Information Now Available						
	The QoS settings used internally by <i>Admin Console</i> are now available as an example XML file, < <i>Admin Console install directory</i> >/example/QoS/admin_console_example_profiles.xml. This file can be copied, modified, and then added to the available QoS files in <i>Admin Console</i> in order to customize the behavior of the product. Care must be taken to not affect correctness when modifying this file, as many QoS specified in this file are not intended to be modified.						
	Stream Names now Displayed for Route's Tooltips in Routing Service View						
	The input and output stream names have been added to the tooltip display for Routes when looking at the Routing Service view.						
	Changes to Service Controls						
	The service editors and controls have been changed to better reflect the state of the service and provide better use of available UI real estate. This affects the Routing Service Editor, Persistence Service Editor, Recording Service Editor, and Replay Service Editor.						
	Among other improvements:						
	☐ The pause button is now disabled when the service is disabled						

☐ The configuration link (now	a button)	does not	appear	for services	that do no	ot support
remote configuration.						

3.7 Improvements to Controls for Service Log Table and Remote Logger Settings

- ☐ The service log table has been revised to better address situations in which distributed logging is not available.
- ☐ The remote-logger settings panel has been revised to provide better guidance and organization.

3.8 Routing Service Performance Data Now Displays Aggregated Information

The input and output samples and byes data for *Routing Service* entities Domain Route, Session, and Auto Route now show data that is the aggregate of their logical children instead of the average.

3.9 Routing Service Latency Adjustments

The latency displayed for *Routing Service* entities has been adjusted through a new algorithm to be more meaningful. Previously, the latency displayed was the information reported directly from *Routing Service*. However, that latency information contains a flaw. When a route has had no samples go through it during the reporting period, the latency was considered to be zero. This was averaged into the aggregate latency and had the effect of bringing down the average artificially.

The display now shows the total latency divided by the number of samples output during that period. This is a more meaningful way to track the latency data.

4 What's Fixed in 5.1.0

4.1 Changes to User-Interface Theme did not Take Full Effect Until a Restart

You can change the user-interface color theme by going to the settings panel and selecting **General**, **Appearance** in the tree on the left and then selecting a new theme in the resulting panel.

In the previous release, following this process only resulted in a partial affect until the application was restarted. In this release, changing the theme as described above will have an immediate and complete affect, without needing to restart *Admin Console*.

[RTI Issue ID ADMINCONSOLE-63]

4.2 Tooltip for DomainRoute Showed Incorrect Information

The tooltip shown when hovering over a DomainRoute in the Routing Service view showed connection 1 information twice rather than showing information for connections 1 and 2. This problem has been resolved.

[RTI Issue ID ADMINCONSOLE-94]

4.3 Inaccurate State Displayed if Distributed Logger Disabled at Run Time

The Distributed Logger state information displayed in the 'Log' tab showed inaccurate values when it was disabled at run time.

[RTI Issue ID ADMINCONSOLE-95]

4.4 Welcome Screen Sometimes Blank

The Welcome screen sometimes appeared blank. This was due to the system missing support for an internal web browser. In this release, if an internal web browser is not supported, the Welcome screen will close and you will see a dialog explaining the situation.

[RTI Issue ID ADMINCONSOLE-103]

4.5 Warning Messages in Console Log

The Console Log window showed many warnings even during a normal startup. This problem has been resolved.

[RTI Issue ID ADMINCONSOLE-177]

5 Known Issues

5.1 Additional Library Needed on Fedora 12 64-bit Systems

On Fedora 12 64-bit systems, before starting *Admin Console*, follow these steps:

- 1. Login as super user
- **2.** Enter this command:

yum install libsoup

5.2 Interaction between Admin Console and RTI Recording Console

This issue only applies if you are using *Admin Console* and *Recording Console* at the same time, and you have configured *Admin Console* to join domain ID 99. In this scenario, do not use *Admin Console* to pause or disable any *Recording Console* services (their names begin with "RTI-Recorder-" or "RTI-Replay-"). Doing so may cause an error in *Recording Console*. [RTI Issue ID RECORD-253]

5.3 Admin Console Incompatible with RTI Routing Service Configurations that use DomainParticipant Name QoS

Admin Console will not correctly display or administer instances of RTI Routing Service that have overridden the default DomainParticipant QoS participant_name. These names are used to identify the process as RTI Routing Service. You may see error messages in Admin Console's log such as:

```
expecting process model : RoutingService : corresponding to instance handle : \{X\} : to be a Routing Service instance when it is not cannot add monitoring capabilities for the RoutingService since the model was not found for instance handle : \{X\} unable to find a DomainRoute named : \{Domain Route name\} : associated with RoutingService : \{Routing Service name\} unable to find a Session named : \{Session name\} : associated with RoutingService : \{Routing Service name\} : and DomainRoute : \{Domain Route name\} unable to find an AutoRoute named : \{Auto Route name\} : associated with RoutingService : \{Routing Service name\} : and DomainRoute : \{Domain Route name\} : and Session : \{Session name\}
```

[RTI Issue ID ADMINCONSOLE-270]

```
unable to find a Route named : {Route name} : associated with RoutingSer-
vice : {Routing Service name} : and DomainRoute : {Domain Route name} : and
Session : {Session name}
```

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