

RTI Administration Console

Release Notes

Version 6.0.1



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Chapter 1 Supported Platforms

This release of *RTI® Administration Console* is supported on the platforms in [Table 1.1 Supported Platforms](#). No custom target platforms are supported.

Table 1.1 Supported Platforms

Operating System	Version
Linux®	All Linux platforms on x86/x64 CPUs listed in the <i>RTI Connex® DDS Core Libraries Release Notes</i> for the same version number, except SUSE Linux Enterprise Server 11 and Wind River® Linux 7.
macOS®	All macOS platforms listed in the <i>RTI Connex DDS Core Libraries Release Notes</i> for the same version number.
Windows®	All Windows platforms listed in the <i>RTI Connex DDS Core Libraries Release Notes</i> for the same version number.

For details on these platforms, see the *RTI Connex DDS Core Libraries Platform Notes*.

Note: When running on a VMWare Virtual Machine, *Admin Console's* user interface for *Routing Service* may not display correctly. This is because *Admin Console* uses JavaFX, which is not officially supported on VMWare virtualization systems. For more information on supported JavaFX 2 Certified System Configurations, please see:

<https://www.oracle.com/technetwork/java/javafx/downloads/supportedconfigurations-1506746.html>.

Chapter 2 Compatibility

Admin Console is compatible with these components:

- *RTI Database Integration Service*
- *RTI Distributed Logger*
- *RTI Persistence Service*
- *RTI Queuing Service*
- *RTI Recording Service* (including its *Replay* and *Record* tools)
- *RTI Routing Service*

For backward compatibility information between 6.0.1 and previous releases for these components, see the *Migration Guide* on the RTI Community Portal (<https://community.rti.com/documentation>).

Admin Console has been tested with Oracle JRE version 8, which is included in the installation package. No other versions of Java are supported.

To run *Admin Console* on a Linux platform, *Admin Console* requires at least GTK+ 2 version 2.24.0 and its dependencies. *Admin Console* also needs to have at least Cairo version 1.9.4 and its dependencies. As a result of these dependencies, *Admin Console* might not be able to run on some operating systems, such as SUSE Linux Enterprise Server 11 SP2 (which has an older version of GTK+ 2).

Chapter 3 What's New 6.0.1

3.1 New platforms

This release adds support for these platforms:

- macOS 10.14 (x64)
- Red Hat Enterprise Linux 8 (x64)
- Windows 10 (x86, x64) with Visual Studio® 2019
- Windows Server 2016 (x86, x64) with Visual Studio 2019

3.2 Removed platforms

These platforms are no longer supported:

- macOS 10.11
- Windows 7
- Windows Server 2008 R2

3.3 Command-line argument to skip Welcome page

There is a new command-line argument that will skip the Welcome page the first time *Admin Console* is opened. To prevent the Welcome page from appearing, start *Admin Console* from the command line with the argument: **-skipWelcomeScreen**.

Chapter 4 What's Fixed in 6.0.1

This section describes bugs fixed in 6.0.1. These fixes have been made since 6.0.0 was released.

4.1 Data Visualization and Administration perspective views were not being restored

Data Visualization and Administration perspectives were not correctly restored at *Admin Console* startup. This issue has been fixed. Now the tabs that were open the last time you used *Admin Console* remain open the next time you start *Admin Console*.

[RTI Issue ID ADMINCONSOLE-566]

4.2 Clicking 'Apply and Close' did not apply the changes

Clicking on **Apply and Close** did not apply the changes to some of the modified fields in the Preferences window. This problem has been fixed; now the preferences changes are applied.

[RTI Issue ID ADMINCONSOLE-662]

4.3 Match Analysis view did not show Data Representation

The Data Representation field did not appear in the Match Analysis view. This problem has been resolved.

[RTI Issue ID ADMINCONSOLE-704]

4.4 Instance table failed to show union fields

When viewing individual fields from a union in the instance table, the fields would appear as "N/A" even though they may have contained data. This issue could be worked around by ensuring that the discriminator field was also selected when viewing a union field; however, this issue is now fixed.

[RTI Issue ID ADMINCONSOLE-706]

4.5 Selected Routing Service entities not always displayed in DDS QoS view

Under certain circumstances, the DDS QoS view was not filled with data about a selected input or output entity in the Routing Service view. This problem has been resolved.

[RTI Issue ID ADMINCONSOLE-712]

4.6 Non-escaped XML characters caused problems when importing discovery data

Non-escaped XML characters can cause problems when importing discovery data. This problem has been resolved. Now discovery data is exported using CDATA tags when special characters appear in the discovery information, ensuring that the file can be imported without problems.

[RTI Issue ID ADMINCONSOLE-714]

4.7 Admin Console failed to subscribe to data writers using CDR2 data representation

Admin Console failed to subscribe to and visualize information related to *DataWriters* using CDR2 (also known as XCDR2) data representation. This problem has been resolved. Now *Admin Console* can subscribe to and visualize the samples correctly.

[RTI Issue ID ADMINCONSOLE-719]

4.8 Scope field of the DestinationOrder QoS policy was not accurate

The scope field of the DestinationOrder QoS policy was displayed in *Admin Console*, but this field did not accurately display the value. The scope field is not distributed through discovery, so *Admin Console* has no source for the field's actual value. Therefore, this field has been removed from the display to avoid confusion.

[RTI Issue ID ADMINCONSOLE-720]

4.9 Loading invalid QoS configuration via NDDS_QOS_PROFILES environment variable resulted in inconsistent state

When starting *Admin Console*, if there were errors in the QoS profile file pointed to by the environment variable NDDS_QOS_PROFILES, *Admin Console* did not initialize. It also did not recover properly from the error. This problem has been resolved. Now if this situation occurs, *Admin Console* will recover and use the default QoS (ignoring the file provided using NDDS_QOS_PROFILES).

[RTI Issue ID ADMINCONSOLE-723]

4.10 Process Information tab hid other tabs in Process View

Selecting the Process Information tab caused other tabs in the Process View to be hidden. This problem has been resolved.

[RTI Issue ID ADMINCONSOLE-727]

4.11 Admin Console didn't show Zero Copy DataReaders

Admin Console failed to visualize Zero Copy *DataReaders*. This also led to issues visualizing new *DataReaders* in the domain where the problematic *DataReaders* were discovered.

This problem has been resolved. Now *Admin Console* can visualize Zero Copy *DataReaders*, and will not fail to visualize new information after it discovers them.

[RTI Issue ID ADMINCONSOLE-733]

Chapter 5 Known Issues

5.1 Preferences Dialog Shows Error Message

The Preferences dialog will show an error message when viewing the preference for XML -> XML Files -> Editor:

```
"org.eclipse.wst.sse.ui.preferences.editor not found."
```

This error message has no affect on functionality and will be removed in a future release.

[RTI Issue ID ADMINCONSOLE-199]

5.2 Limited to Single Instance of Admin Console on maxOS Platforms

On macOS platforms, only one instance of *Admin Console* can be run at a time. This limitation is not present on other platforms.

[RTI Issue ID ADMINCONSOLE-403]

5.3 Limited Support for Keyed, Unbounded Sequences

There is limited support when using a data type that contains a field that is an unbounded sequence and that field participates in the key. The limitation is that only a subset of the total possible (2,147,483,647) sequence elements can be used. This limitation protects against high memory and CPU consumption by the application.

The limited number of fields chosen to represent the key can be seen in the Topic Data tab and when selecting data instances for the Time Chart.

[RTI Issue ID ADMINCONSOLE-399]

5.4 Additional Library Needed on Fedora 12 64-bit Systems

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

1. Log in as super user.
2. Enter this command:

```
yum install libsoup
```

5.5 Interaction between Admin Console and RTI Recording Console

This issue only applies if you are using any version of *Admin Console* and *Recording Console* (which only exists before 6.0.0) 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]

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

This issue only occurs when using *Admin Console* with *RTI Routing Service* 5.2 or older.

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

[RTI Issue ID ADMINCONSOLE-270]

5.7 Admin Console Views Restored when Admin Console is Restarted

Admin Console will restore views (such as the Health view) each time the application is restarted. For example, if you closed the DDS Data Type view during the previous session, then it will be re-opened the next time you open *Admin Console*. (Previously, it would remain closed.) This behavior is a workaround

for an issue *Admin Console* is experiencing: without restoring the views, some of them would be hidden behind each other.

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Additional information about Third-Party Content contained in the RTI product suite can be found in **RTI_ConnextDDS_3rdPartySoftware_Tools_Services.pdf**.

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