

# **RTI Monitor**

**Release Notes**

**Version 7.3.0**



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*Deprecated* means that the item is still supported in the release, but will be removed in a future release. *Removed* means that the item is discontinued or no longer supported. By specifying that an item is deprecated in a release, RTI hereby provides customer notice that RTI reserves the right after one year from the date of such release and, with or without further notice, to immediately terminate maintenance (including without limitation, providing updates and upgrades) for the item, and no longer support the item, in a future release.

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# Contents

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<b>Chapter 1 Supported Platforms</b> .....	<b>1</b>
<b>Chapter 2 Compatibility</b> .....	<b>2</b>
<b>Chapter 3 What's New in 7.3.0</b> .....	<b>3</b>
<b>Chapter 4 What's Fixed in 7.3.0</b>	
4.1 [Critical] RTI Monitor unable to start due to missing nddsjava.jar in rti_connext_dds-7.2.0/lib/java in LM bundles * .....	4
<b>Chapter 5 Previous Releases</b>	
5.1 What's New in 7.1.0 .....	5
5.1.1 Deprecation Notice .....	5
5.2 What's Fixed in 7.1.0 .....	5
5.2.1 [Minor] Improved sorting of time column in table for Distributed Logger .....	5
5.3 What's Fixed in 7.0.0 .....	6
5.3.1 [Critical] Monitoring types may have caused deserialization issues when data representation was XCDR2 .....	6
5.3.2 [Major] Unable to Start Some Tools on Windows Systems in Certain Cases .....	6
<b>Chapter 6 Known Issues</b> .....	<b>7</b>

# Chapter 1 Supported Platforms

See [Supported Platforms in the RTI Connex Core Libraries Release Notes](#).

To use *Monitor*, you will also need:

- *RTI Connex* with the same version number (already included in the bundle).
- AdoptOpenJDK 17.0.6 (already included in the bundle).
- For Windows systems: the appropriate Microsoft® Visual Studio® Redistributable libraries (already included in the Windows bundle).

## Chapter 2 Compatibility

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

*Monitor* can be used to monitor applications built with *Connex* that also use [Monitoring Library](#) (part of *Connex*). Use the same version number for *Monitor* and *Connex*.

*Monitor* is built on top of *Connex*. Therefore, you should refer to the [Compatibility section of the RTI Connex Core Libraries Release Notes](#) for other compatibility information.

*Monitor* has been tested with AdoptOpenJDK 17.0.6, which is included in the installation package. No other versions of Java are supported.

## Chapter 3 What's New in 7.3.0

No new *RTI Monitor* features were implemented in *Connex* 7.3.0. The *Monitor* UI and *Monitoring Library 1.0* were deprecated in release *Connex* 7.1.0. See [What's New in 7.1.0](#) for more information.

# Chapter 4 What's Fixed in 7.3.0

[**Critical**]: System-stopping issue, such as a crash or data loss.

[**Major**]: Significant issue with no easy workaround.

[**Minor**]: Issue with an available workaround.

[**Trivial**]: Small issue, such as a typo in a log.

## 4.1 [**Critical**] RTI Monitor unable to start due to missing `nddsjava.jar` in `rti_connex_dds-7.2.0/lib/java` in LM bundles \*

The `nddsjava.jar` file was missing in `rti_connex_dds-7.2.0/lib/java`, making *RTI Monitor* unable to start. (Previously, the problem could be solved manually by copying `nddsjava.jar` from `rti_connex_dds-7.2.0/lib/java` to `rti_connex_dds-7.2.0/resource/app/lib/java`.)

This issue only affected LM bundles.

[RTI Issue ID INSTALL-977]

\* *This bug does not affect you if you are upgrading from 6.1.x or earlier.*



# Chapter 5 Previous Releases

## 5.1 What's New in 7.1.0

### 5.1.1 Deprecation Notice

The *Monitor* UI (as well as the Monitoring Library, see the *RTI Connexx What's New*) is deprecated in this release, *Connexx 7.1*. RTI is introducing a new Connexx Observability Framework; in the future, this new framework will replace the current *Monitor* UI.

If you want to start monitoring your deployed systems, you should use the new library; if you're already using the *Monitor* UI and plan to move to future *Connexx* releases, you should plan your migration now. RTI will continue to support the current *Monitor* UI for customers using 6.1.x. This deprecation notice applies to customers using 7.1 and later.

This deprecation serves as notice under the Real-Time Innovations, Inc. Maintenance Policy #4220.

## 5.2 What's Fixed in 7.1.0

**[Critical]**: System-stopping issue, such as a crash or data loss.

**[Major]**: Significant issue with no easy workaround.

**[Minor]**: Issue with an available workaround.

**[Trivial]**: Small issue, such as a typo in a log.

### 5.2.1 **[Minor]** Improved sorting of time column in table for Distributed Logger

The time column in the Distributed Logger table used string-based sorting, which lead to sub-optimal results (for instance, when the meridian or AM/PM changed). This column is now sorted by the time itself. This can also lead to suboptimal results if, for example, two log messages

share the same timestamp. However, we believe that this result is less confusing than the previous implementation.

[RTI Issue ID MONITOR-212]

## 5.3 What's Fixed in 7.0.0

### 5.3.1 [Critical] Monitoring types may have caused deserialization issues when data representation was XCDR2

*Monitoring Library* may have caused intercommunication issues when using XCDR2. The internal IDL types used by monitoring were generated without using the interpreter. The non-interpreted generated code caused the serialized code to be incorrect, and then the deserialization in other products/vendors, including RTI's *Monitor* tool, could be wrong.

Now the serialized code is correct and will interoperate with other products (including *Monitor*) and vendors.

[RTI Issue ID MONITOR-641]

### 5.3.2 [Major] Unable to Start Some Tools on Windows Systems in Certain Cases

On Windows systems, *Monitor* (as well as *Admin Console* and *Launcher*) failed to start when the installation path contained white spaces and the user did not have admin privileges. This issue has been fixed.

[RTI Issue ID MONITOR-392]

# Chapter 6 Known Issues

**Note:** For an updated list of critical known issues, see the Critical Issues List on the RTI Customer Portal at <https://support.rti.com>.

- *Monitor* will show monitoring information for an application properly only if all the monitoring Description topics are published and not filtered (this is the default setting).

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 *Monitor*.
- *Monitor* does not support DomainParticipants that use WireProtocolQosPolicyAutoKind RTPS\_AUTO\_ID\_FROM\_MAC.
- The internal DomainParticipant (1) and DataWriters (13) created by *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.
- When running the **rtimonitor** script in a terminal on a macOS system, you may see the following warning:

```
WARNING: GL pipe is running in software mode (Renderer ID=0x1020400)
```

This does not affect *Monitor's* functionality and will be addressed in a future release. [RTI ISSUE ID MONITOR-242]