

# **Spotfire Enterprise Runtime for R - Server Edition Release Notes**

*Software Release 1.17.7*

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# Release Notes

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Visualizations that are created in Spotfire Analyst that take advantage of Spotfire® Enterprise Runtime for R (a/k/a TERR™) (Formerly TIBCO® Enterprise Runtime for R (TERR™)) scripts are available for users on Spotfire Business Author and Consumer through Spotfire® Enterprise Runtime for R - Server Edition (a/k/a TERR™ service) (Formerly TIBCO® Enterprise Runtime for R - Server Edition) version 1.17.

These release notes cover new features, changes, closed issues, and known issues for this release of Spotfire Enterprise Runtime for R - Server Edition (a/k/a TERR™ service).

In this release, TIBCO® Enterprise Runtime for R - Server Edition is renamed Spotfire® Enterprise Runtime for R - Server Edition. Spotfire is now a stand-alone brand within the Cloud Software Group, and this change is reflected in a new logotype and new product name.



TERR service is licensed under the product Spotfire® Statistics Services. Although you must have the appropriate Spotfire® Statistics Services license, you do not need to install the Spotfire Statistics Services product itself to install and run TERR service in your Spotfire® Server deployment.

## New Features

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TERR service version 1.17 has no new features.

## Changes in Functionality

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TERR service version 1.17 has the following changes in functionality.

Key	Version	Summary
TERRSRV-1198	1.17.3	<b>Updated node memory calculations for data function services</b> Changed how memory calculations are made to better describe the actual status of the memory available, regardless if the data function service is running on Linux, Windows, or in a containerized environment.
TERRSRV-1161	1.17.2	<b>Container base image updated</b> The container base image for both the TERR service and Spotfire Service for Python has been updated to AlmaLinux:8.9.

## Deprecated and Removed Features

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From time to time, features are deprecated or removed from TERR service. This topic provides more information about deprecated and removed features in version 1.17.

### Deprecated features

No features have been deprecated in version 1.17.

### Removed features

No features have been removed in version 1.17.

## Migration and Compatibility

TERR service version 1.17 has been tested with version 14.0 of Spotfire Server.



This version of TERR service is not tested with earlier versions of Spotfire Server.

See [System Requirements](#) for more information.

## Third Party Software Updates

TERR service version 1.17 has the following new or updated third party software (TPS) components.

Key	Version	Summary
TERRSRV-1315	1.17.7	The bundled Spotfire Enterprise Runtime for R (a/k/a TERR) engine is updated to 6.1.5.
TERRSRV-1302	1.17.7	<ul style="list-style-type: none"> <li>• Apache Commons IO updated to 2.18.0</li> <li>• Apache Log4j updated to 2.24.3</li> <li>• Bouncy Castle Crypto APIs updated to 1.80</li> <li>• Eclipse Jetty updated to 12.0.16</li> <li>• FasterXML/Jackson Core updated to 2.18.2</li> <li>• OSHI Core updated to 6.6.6</li> <li>• Guava: Google Core Libraries for Java updated to 33.4.0-jre</li> <li>• Java API Client for Docker updated to 3.4.1</li> <li>• Micrometer updated to 1.14.3</li> <li>• Spring Boot updated to 3.3.8</li> <li>• Spring Framework updated to 6.2.2</li> </ul>
TERRSRV-1283	1.17.6	<ul style="list-style-type: none"> <li>• Apache Commons Compress updated to 1.27.1</li> <li>• Apache Commons IO updated to 2.17.0</li> <li>• Apache Log4j updated to 2.24.1</li> <li>• ASM updated to 9.7.1</li> <li>• Eclipse Jetty updated to 12.0.14</li> <li>• FasterXML/Jackson Core updated to 2.18.0</li> <li>• Guava: Google Core Libraries for Java updated to 33.3.1-jre</li> <li>• Micrometer updated 1.13.6</li> <li>• OSHI Core updated to 6.6.5</li> <li>• Spring Boot updated to 3.3.4</li> <li>• Spring Framework updated to 6.1.14</li> </ul>
TERRSRV-1269	1.17.5	The bundled Spotfire Enterprise Runtime for R (a/k/a TERR) engine is updated to 6.1.4.

Key	Version	Summary
TERRSRV-1263	1.17.5	<ul style="list-style-type: none"> <li>• Apache Commons Compress updated to 1.27.0</li> <li>• Eclipse Jetty ee10 updated to 12.0.12</li> <li>• FasterXML/Jackson Core updated to 2.17.2</li> <li>• Guava: Google Core Libraries for Java updated to 33.2.1-jre</li> <li>• Jakarta rs-api updated to 4.0.0</li> <li>• Java API Client for Docker updated to 3.4.0</li> <li>• OSHI Core updated to 6.6.2</li> <li>• Simple Logging Facade for Java updated to 2.0.16</li> <li>• Spring Boot updated to 3.3.2</li> <li>• Spring Framework updated to 6.1.11</li> </ul>
TERRSRV-1217	1.17.4	The bundled Spotfire Enterprise Runtime for R (a/k/a TERR) engine is updated to 6.1.3.
TERRSRV-1203	1.17.4	<ul style="list-style-type: none"> <li>• Apache Commons IO updated to 2.16.1</li> <li>• ASM updated to 9.7</li> <li>• Bouncy Castle Crypto APIs updated to 1.78.1</li> <li>• Eclipse Jetty ee10 updated to 12.0.8</li> <li>• Jakarta Annotations API updated to 3.0.0</li> <li>• Micrometer updated to 1.12.5</li> <li>• OSHI Core updated to 6.6.0</li> <li>• Simple Logging Facade for Java updated to 2.0.13</li> <li>• Spring Boot updated to 3.2.5</li> <li>• Spring Framework updated to 6.1.6</li> </ul>
TERRSRV-1191	1.17.3	<ul style="list-style-type: none"> <li>• Apache Commons Compress updated to 1.26.1</li> <li>• Apache Log4j updated to 2.23.1</li> <li>• Eclipse Jetty updated to 12.0.7</li> <li>• FasterXML/Jackson Core updated to 2.17.0</li> <li>• Guava: Google Core Libraries for Java updated to 33.1.0-jre</li> <li>• IO Micrometer updated to 1.12.4</li> <li>• Jakarta Activation API updated to 2.1.3</li> <li>• Jakarta XML Bind API updated to 4.0.2</li> <li>• Java API Client for Docker updated to 3.3.6</li> <li>• OSHI Core updated to 6.5.0</li> <li>• Spring Boot updated to 3.2.4</li> <li>• Spring Framework updated to 6.1.5</li> </ul>

Key	Version	Summary
TERRSRV-1166	1.17.2	<ul style="list-style-type: none"> <li>• Apache Common Compress updated to 1.25.0</li> <li>• Apache Commons updated to 2.15.1</li> <li>• Apache HttpComponents Client updated to 5.3.1</li> <li>• Apache Log4j updated to 2.22.1</li> <li>• Bouncy Castle Crypto APIs updated to 1.77</li> <li>• Guava: Google Core Libraries for Java updated to 33.0.0-jre</li> <li>• Jackson Core updated to 2.16.1</li> <li>• Jetty updated to 12.0.6</li> <li>• Micrometer updated to 1.12.2</li> <li>• Simple Logging Facade for Java updated to 2.0.12</li> <li>• Spring Boot updated to 3.2.2</li> <li>• Spring Framework updated to 6.1.3</li> <li>• Spotfire Enterprise Runtime for R updated to 6.1.2</li> </ul>
TERRSRV-1129	1.17.1	<ul style="list-style-type: none"> <li>• Apache Commons Compress updated to 1.24.0</li> <li>• Apache Commons IO updated to 2.15.0</li> <li>• Apache Log4j updated to 2.21.1</li> <li>• ASM updated to 9.6</li> <li>• Docker Java updated to 3.3.4</li> <li>• FasterXML/Jackson Databind updated to 2.15.3</li> <li>• Guava: Google Core Libraries for Java updated to 32.1.3-jre</li> <li>• Jakarta XML Bind API updated to 4.0.1</li> <li>• Jetty Server updated to 11.0.18</li> <li>• Micrometer IO updated to 1.11.5</li> <li>• Simple Logging Facade for Java updated to 2.0.9</li> <li>• Spring Boot updated to 3.1.5</li> <li>• Spring Framework updated to 6.0.13</li> <li>• Spotfire Runtime for R engine updated to 6.1.1</li> </ul>
TERRSRV-1114	1.17.0	The Spotfire Enterprise Runtime for R (TERR) engine included with this release is updated to 6.1.0

Key	Version	Summary
TERRSRV-1105	1.17.0	<ul style="list-style-type: none"> <li>• Apache Commons Compress updated to 1.23.0</li> <li>• Apache Commons Lang 3.12.0</li> <li>• Apache HttpComponents Core updated to 5.2</li> <li>• Apache Log4j updated to 2.20.0</li> <li>• ASM updated to 9.5</li> <li>• Bouncy Castle Crypto APIs updated to 1.70</li> <li>• FasterXML/Jackson Core updated to 2.15.2</li> <li>• Guava: Google Core Libraries for Java updated to 32.1.2-jre</li> <li>• Jakarta Activation updated to 2.1.0</li> <li>• Java API Client for Docker updated to 3.3.3</li> <li>• Jetty updated to 11.0.16</li> <li>• Micrometer updated to 1.11.3</li> <li>• Simple Logging Facade for Java updated to 2.0.7</li> <li>• Spotfire Enterprise Runtime for R (TERR) engine updated to 6.1.0</li> <li>• Spring Boot updated to 3.1.3</li> <li>• Spring Framework updated to 6.0.11</li> </ul> <p>The following third-party components are removed:</p> <ul style="list-style-type: none"> <li>• Apache Commons Codec</li> <li>• Apache Commons Logging</li> </ul>

## Closed Issues

TERR service version 1.17 has the following closed issues.

Key	Version	Summary
TERRSRV-1579	1.17.7	The service does not stop completely when you try to roll back a node manager update, which can lead to a failed rollback and an offline node manager.
TERRSRV-1254	1.17.5	<p>When migrating from the TIBCO Software Statistic Services (TSSS) server to instead use the data function services, warnings for packages are shown when executing some data functions.</p> <p>This has now been addressed by adding a <code>disable.warning.alert</code> property for the TERR, R, and Python services, to allow disabling of warnings. The default is <code>false</code>. To disable warnings, this property must be set to <code>true</code>.</p>

## Known Issues

TERR service version 1.17 has the following known issues.

Key	Version	Summary
TERRSRV-1140	1.17.2	<p><b>buildServerSPK can result in an error instead of overwriting a pre-existing file</b></p> <p>When you call <code>buildServerSPK</code> to create a package SPK in TERR, you can encounter an error if an SPK file with the same name as the one you are creating already exists in the target location.</p> <p><b>Workaround:</b> Deleting the old SPK file solves this issue.</p>
TERRSRV-538	1.17.0	<p><b>"Unable to write data" error message</b></p> <p>Error message "Unable to write data to the transport connection: An established connection was aborted by the software in your host machine."</p> <p>If you see this error, then the data being uploaded to the service is too large. When a Spotfire data function is run, it sends the relevant data from Spotfire to the service for processing. The service has a file size upload limit, the default of which is 100 MB. When a data function is run with data that exceeds this limit, the service returns the error.</p> <p><b>Workaround:</b> An administrator can change this upload limit if needed by creating a custom configuration. For more information, see the topic "File size upload limit" in the service <i>Installation and Administration</i> guide.</p> <p>If users see this error message, the administrator can consider creating a custom configuration that increases the limits for both of the following properties:</p> <ul style="list-style-type: none"> <li>• <code>spring.servlet.multipart.max-file-size</code>: The total file size for upload cannot exceed the value for this setting.</li> <li>• <code>spring.servlet.multipart.max-request-size</code>: The total request size for a multipart file upload cannot exceed the value for this setting.</li> </ul> <p><b>Note:</b> At a certain point, the Java Heap size fails to handle very large files. The threshold for this behavior is dependent on the amount of RAM the service node has. When the Java Heap Size is exceeded, the following error message is displayed.</p> <p>Error from Remote Service: Internal Server Error (500) - java.lang.OutOfMemoryError: Java heap space</p>

# Spotfire Documentation and Support Services

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For information about the Spotfire® products, you can read the documentation, contact Spotfire Support, and join the Spotfire Community.

## How to Access Spotfire Documentation

Documentation for Spotfire and TIBCO products is available on the [TIBCO Product Documentation](#) website, mainly in HTML and PDF formats.

The website is updated frequently and is more current than any other documentation included with the product.

## Spotfire Documentation

The documentation for all Spotfire products is available on the [Spotfire Documentation](#) page. This page takes you directly to the latest version of each document.

To see documents for a specific Spotfire product or version, click the link of the product under 'Other versions', and on the product page, choose your version from the top right selector.

## Release Version Support

Some release versions of Spotfire products are designated as long-term support (LTS) versions. LTS versions are typically supported for up to 36 months from release. Defect corrections will typically be delivered in a new release version and as hotfixes or service packs to one or more LTS versions. See also <https://spotfi.re/lts>.

## How to Contact Support for Spotfire Products

You can contact the Support team in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the support portal at <https://spotfi.re/support>.
- For creating a Support case, you must have a valid maintenance or support contract with Cloud Software Group, Inc. You also need a user name and password to log in to <https://spotfi.re/support>. If you do not have a user name, you can request one by clicking **Register** on the website.

## System Requirements for Spotfire Products

For information about the system requirements for Spotfire products, visit <https://spotfi.re/sr>.

## How to join the Spotfire Community

The Spotfire Community is the official channel for Spotfire customers, partners, and employee subject matter experts to share and access their collective experience. The Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions, adapters, solution accelerators, and tools that extend and enable customers to gain full value from Spotfire products. In addition, users can submit and vote on feature requests from within the [Ideas Portal](#). For a free registration, go to <https://spotfi.re/community>.

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