



# **TIBCO Spotfire Server Release Notes**

*Software Release 7.11*

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# TIBCO Spotfire Server Documentation and Support Services

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## How to Access TIBCO Documentation

Documentation for TIBCO products is available on the TIBCO Product Documentation website, mainly in HTML and PDF formats.

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit <https://docs.tibco.com>.

## TIBCO Spotfire Server Documentation

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO Spotfire® Server and Environment - Quick Start*
- *TIBCO Spotfire® Server and Environment - Installation and Administration*
- *TIBCO Spotfire® Server Release Notes*
- *TIBCO Spotfire® Business Author and Consumer User's Guide*
- *TIBCO Spotfire® Cobranding*
- *Deploying and Using a TIBCO Spotfire® Language Pack*
- *TIBCO Spotfire® Server Automation Services API Reference*
- *TIBCO Spotfire® Server Library REST API Reference*
- *TIBCO Spotfire® Server Web Services API Reference*
- *TIBCO Spotfire® Server Server Platform API Reference*
- *TIBCO Spotfire® Server Information Services API Reference*
- *TIBCO Spotfire® Server License Agreement*

## Release Version Support

Some release versions of TIBCO 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://docs.tibco.com/pub/spotfire/general/LTS/spotfire\\_LTS\\_releases.htm](https://docs.tibco.com/pub/spotfire/general/LTS/spotfire_LTS_releases.htm).

## How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit <http://www.tibco.com/services/support>.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at <https://support.tibco.com>.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to <https://support.tibco.com>. 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 <http://spotfi.re/sr>.

### How to Join TIBCO Community

TIBCO Community is the official channel for TIBCO customers, partners, and employee subject matter experts to share and access their collective experience. TIBCO 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 TIBCO products. In addition, users can submit and vote on feature requests from within the [TIBCO Ideas Portal](#). For a free registration, go to <https://community.tibco.com>.

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For quick access to TIBCO Spotfire content, see <https://community.tibco.com/products/spotfire>.

# TIBCO Spotfire Server Release Notes

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The release notes for this product version are provided to inform you of new features, known issues, and issues from previous releases that have been closed.

These release notes are for TIBCO Spotfire® Server version 7.11. They cover Microsoft Windows and Linux installations.

Spotfire Server is a Tomcat web application that runs on Windows and Linux operating systems. It is the administrative center of any TIBCO Spotfire® implementation. In addition to providing the tools for configuring and administering the Spotfire environment, Spotfire Server facilitates the services that make it possible for users to access, blend, and visualize their data, creating analyses that provide actionable insight.

## New Features

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The following new features are available in version 7.11 of Spotfire Server.

Third-party software is updated with each release. See [Third Party Software Updates](#) for more information.

### New features in version 7.11.10, February 2020

#### New requirements for communication to the Active Directory server

With the Microsoft advisory *ADV190023 | Microsoft Guidance for Enabling LDAP Channel Binding and LDAP Signing*, new requirements for communication to the Active Directory (AD) server will be introduced. If you use AD server with LDAP, see the section [Changes in Functionality](#) for detailed instructions.

### New features in version 7.11.1, May 2018

Support for Oracle 12c Release 2 was added in version 7.11.1 of Spotfire Server.

### New features in version 7.11.0, November 2017

#### Scheduling & Routing

Users can be prevented from opening analysis files that are not currently cached by scheduled updates.

Large analysis files are often managed by scheduled updates so that end users can view these files without waiting for them to download. If an end user tries to open one of these scheduled update files when the file is not cached, the file can take a long time to open and may significantly tie up system resources. You can configure the server to prevent this. For details, see [Preventing users from opening analyses that are not currently cached by scheduled updates](#).

Recovered rules can be automatically enabled.

When an analysis file is deleted from the library, any scheduled update or routing rule for that file fails. If the analysis file is then imported back to its previous location, the rule is recovered but it does not run because the rule is, by default, in the "disabled" state. You can now switch the default for these recovered rules to "enabled" by using the `enable-recovered-rules-automatically` setting in the server configuration file. For details, see [Changing whether recovered rules are automatically enabled](#).

Rules can be copied between sites.

It is now possible to copy all the routing rules and schedules from one site to another by using the `copy-rules-to-site` command. For details, see [Copying routing rules and schedules from one site to another](#).

#### Combination of LDAP and Spotfire database authentication

If you configure authentication towards an external user directory such as an LDAP directory or a Windows NT Domain, you can combine this with adding users manually to the Spotfire database. This feature allows users to access Spotfire even though they are not part of the external user directory, and ensures that administrators can access Spotfire even if the connection to the external user directory is lost.

### Miscellaneous

Apache Ignite is now an option for clustering, along with Hazelcast and TIBCO ActiveSpaces®. Like TIBCO ActiveSpaces, Apache Ignite enables secure TCP/TLS transport for the exchange of data between clustered Spotfire Servers. Apache Ignite is also faster than the other clustering solutions.



Apache Ignite is currently only recommended for testing purposes, not for a production environment.

The `list-users` command has a new option: `--list-extended-information`. When set to "true", extended information such as display name, email, and last login time are displayed for each user.

## Changes in Functionality

These are the changes in functionality in version 7.11 of Spotfire Server.

### 7.11.10, February 2020: New requirements for communication to the Active Directory server

With the Microsoft advisory [ADV190023](#) | *Microsoft Guidance for Enabling LDAP Channel Binding and LDAP Signing*, new requirements for communication to the Active Directory server will be introduced. You can avoid these new requirements by changing certain registry settings on the Active Directory servers. Otherwise, communication between Spotfire Server and the Active Directory servers must use SSL. They should use the LDAPS protocol, and the URI scheme in the configuration should be changed from `LDAP` to `LDAPS`.

### Certificates for SSL communication

When a communication is made over SSL, the issuer of the certificate is verified by Spotfire Server. If it is an officially issued certificate, the communication works without changes. In the bundled Java, the following file contains official root certificates:

```
<installation root> /jdk/jre/lib/security/cacerts
```

If a bespoke certificate needs to be issued, then the certificate chain is not to one of these official root certificates. Instead, Spotfire Server must be told to trust this certificate. For earlier releases of Spotfire Server, the only way to make this possible was to import the new certificate into the above-mentioned file, `cacerts`. This method is described in the manual and can still be used.

To facilitate the use of bespoke certificates, you can now use an alternative, easier method, which is described in this section.

Every SSL certificate that is to be trusted can have its own keystore file (in Java Keystore-format, with the suffix `jks`). These files should be placed in the directory `<installation root>/tomcat/certs`.



From Spotfire Server 10.3.0 and later, the contents of this directory is copied during an upgrade.

The same password (default `changeit`) is used for the file `cacerts` as for any extra keystore file in `tomcat/certs`. If you must change this password, then you should change the password for all files, including the file `cacerts`.



It is not the private certificate that is needed in these files, so changing the password is not critical, because anyone who can connect to the server can retrieve the public certificate.

The file `cacerts` has the default password `changeit`, and it is assumed that the extra keystore files have the same password. If you must set a new password, the Java startup parameter `javax.net.ssl.trustStorePassword` should be added, either to the start script or to the service. Depending on how Spotfire Server is started, this new password must be set in start scripts or as a parameter for the Windows parameter. For more information on performing this task, in *TIBCO Spotfire® Server and Environment - Installation and Administration*, review the section on changing memory settings. (The steps are the same, even though here it is a startup parameter and not a memory setting.)

## Retrieve and create a JKS-file

Below are some hints on how to create a JKS-file. This information works for both Linux and Windows.



Use the forward slash for Linux and the backslash for Windows.

This method works for Spotfire Server version 7.11.10, version 10.3.7, and version 10.6 and later.

The following example shows how to get the certificate for the server *foo.company.com*, which has LDAPS enabled and listens on port 636.



To get the needed certificates installed on Spotfire Server, in the following example, change *foo.company.com* to the server name from which you want to get the certificate, and change *-alias foo* to the alias that should receive the certificate in the keystore. You can run this command toward several servers, and the certificates will be imported and appended to the keystore *trust\_foo.jks*, or you can create a new one for each server.

```
<installation root> /jdk/jre/bin/keytool -printcert -sslserver
foo.company.com :636 -rfc | <installation root> /jdk/jre/bin/keytool
-import -noprompt -alias foo -keystore " <installation root> /tomcat/certs/trust_foo.jks"
-storepass changeit -storetype jks
```



Any readable file with the suffix *jks* should be picked up by the server and the CLI tools.

The relocatable, remote CLI tool does not pick up certificates using this method.

## Importing to the cacerts file within the JDK installation

The following command is the only option available for versions of Spotfire Server earlier than version 10.6, except for version 7.11.10 and version 10.3.7.

```
<installation root> /jdk/jre/bin/keytool -printcert -sslserver foo.company.com :636
-rfc | <installation root> /jdk/jre/bin/keytool -import -noprompt -alias foo
-keystore " <installation root> /jdk/jre/lib/security/cacerts" -storepass changeit
-storetype jks
```



The relocatable, remote CLI tool does not pick up certificates installed on the Spotfire Server.

## The following was added in version 7.11.8, December 2019

### New credentials profile setting

In credentials profiles, a new setting, *<allowed-usages>*, is available. With this setting, you can specify conditions for when you can use the credentials profile.

## The following information was added in version 7.11.5, July 2019

As of Spotfire Server version 7.11.4, server hotfixes can be applied only on the specific service pack version that they were created for. Example: If you currently have Spotfire version 7.11.3, you can only apply server hotfixes for the 7.11.3 version, such as 7.11.3 HF-001, 7.11.3 HF-002, and so on. If you want a hotfix of a different service pack level, such as 7.11.5 HF-001, you must first make sure to upgrade to that service pack (7.11.5) before applying the hotfix.

## The following information was added in version 7.11.4, June 2019

The upgrade tool now copies Kerberos configurations, keystores, custom login pages, logs, and library exports.

Logging levels are also persisted during upgrades.

The Windows Service name now has three digits.



The configuration tools source a specific `settoolenv.bat` or `settoolenv.sh` script to set the memory and other options.

### The following was added in version 7.11.0, November 2017

In the Nodes & Services area of the administration interface, on the Activity page, the automatic refresh of the page made it difficult to read details in the "Recent activity" pane. Now only the "Current activity" pane is automatically refreshed, and the "Recent activity" pane contains a **Refresh** button.

## Deprecated and Removed Features

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These are the deprecated and removed features in version 7.11 of Spotfire Server.

In the server installation package, the `utilities` folder and its contents have been removed from the database installation scripts. The folder contained files such as `drop_action_db.bat`, `drop_databases.bat`, and `restore_databases.bat`.

## Migration and Compatibility

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Spotfire Server version 7.11 contains detailed instructions for migrating from a previous release.

### Spotfire Server

See "Upgrading Spotfire" in the [Spotfire Server and Environment - Installation and Administration help](#).



As of Spotfire Server version 10.3.0, server hotfixes can be applied only on the specific service pack version that they were created for. Example: If you currently have version 10.3.1, you can apply server hotfixes only for the 10.3.1 version, such as 10.3.1 HF-001, 10.3.1 HF-002, and so on. If you want a hotfix of a different service pack level, such as 10.3.2 HF-001, you must first make sure to upgrade to that service pack (10.3.2) before applying the hotfix.

Newer and older versions of Spotfire Analyst client can be used to connect to the current version of Spotfire Server in order to upgrade or downgrade the client packages. However, it is recommended to always run the same version of client and server in production environments. See [System Requirements](#).

### Spotfire Automation Services

For instructions on how to upgrade to version 7.11 Spotfire Automation Services, see "Updating Services" in the *Spotfire Server and Environment - Installation and Administration* help.



There were major architectural changes introduced in version 7.5.0. If you are upgrading from a version earlier than 7.5.0, refer to the *Spotfire Automation Services 7.5.0 Release Notes* for more information.

### Spotfire Qualification

Version 7.11 of Spotfire Qualification should be installed for compatibility with version 7.11 of TIBCO Spotfire.

For instructions on how to upgrade to version 7.11 of Spotfire Qualification, see the [Spotfire Qualification - Installation Guide](#).

## Third Party Software Updates

The following third party software (TPS) components have been added or updated for Spotfire Server version 7.11.

### 7.11.11, May 2020

| TPS                                  | New Version      |
|--------------------------------------|------------------|
| Apache CXF Core                      | 3.3.6            |
| Apache HttpComponents Client         | 4.5.12           |
| Apache HttpComponents Core           | 4.4.13           |
| Apache Ignite                        | 2.8.0            |
| Apache Tomcat                        | 9.0.33           |
| Bouncy Castle                        | 1.65             |
| Jackson Core                         | 2.10.3           |
| Jetty                                | 9.4.27.v20200227 |
| Microsoft JDBC Driver for SQL Server | 8.2.2            |
| Nimbus JOSE + JWT                    | 8.2.1            |
| Oracle Server JRE                    | 8u251            |
| Spring Framework                     | 5.2.5            |
| jQuery                               | 3.5.0            |

### 7.11.10, February 2020

| TPS                             | New Version      |
|---------------------------------|------------------|
| Apache CXF Core                 | 3.3.5            |
| Apache Log4j                    | 2.13.0           |
| AspectJ Weaver                  | 1.9.5            |
| Jackson Core                    | 2.10.1           |
| Jetty                           | 9.4.25.v20191120 |
| Quartz Enterprise Job Scheduler | 2.3.2            |
| Simple Logging Facade for Java  | 1.7.30           |
| Spring Framework                | 5.2.3            |

**7.11.9, January 2020**

| TPS                            | New Version      |
|--------------------------------|------------------|
| AWS SDK for Java               | 1.11.691         |
| AngularJS                      | 1.7.9.           |
| Apache CXF Core                | 3.3.4            |
| Apache Log4j                   | 2.12.1           |
| Apache Tomcat                  | 9.0.30           |
| Jetty                          | 9.4.24.v20191120 |
| Mybatis                        | 3.5.3            |
| Mybatis-Spring                 | 2.0.3            |
| Oracle Server JRE              | 8u241            |
| Simple Logging Facade for Java | 1.7.29           |
| Spring Framework               | 5.2.2            |

**7.11.8, December 2019**

| TPS                 | New Version |
|---------------------|-------------|
| Bouncy Castle       | 1.6.4       |
| Jackson Annotations | 2.10.0      |
| Jackson Core        | 2.10.0      |
| Jackson Databind    | 2.10.0      |
| Nimbus JOSE+JWT     | 8.2         |

**7.11.7, October 2019**

| TPS                            | New Version |
|--------------------------------|-------------|
| Amazon JMES Path Query Library | 1.11.630    |
| Apache Commons Text            | 1.8         |
| Apache HttpComponents Client   | 4.5.10      |
| Apache HttpComponents Core     | 4.4.12      |
| Apache Tomcat                  | 9.0.26      |
| AWS SDK For Java               | 1.11.630    |
| Ignite                         | 2.7.6       |

| TPS                                  | New Version      |
|--------------------------------------|------------------|
| Jackson Databind                     | 2.9.9.3          |
| Jackson Dataformat CBOR              | 2.6.7            |
| Jetty                                | 9.4.21.v20190926 |
| Lodash                               | 4.17.15          |
| Microsoft JDBC Driver for SQL Server | v7.4.1           |
| MyBatis                              | 3.5.2            |
| MyBatis-Spring                       | 2.0.2            |
| Nimbus JOSE+JWT                      | 7.8 , 4.41.2     |
| Oracle Server JRE                    | 8.u.231          |
| Spring Framework                     | v5.1.9.RELEASE   |
| toastr                               | 2.1.4            |
| Windows Service Wrapper              | 2.2.0            |

#### 7.11.6, August 2019

| TPS                          | New Version      |
|------------------------------|------------------|
| Apache Ant                   | 1.10.5           |
| Apache HttpComponents Client | 4.5.9            |
| Apache Log4j                 | 2.12.0           |
| Apache Tomcat                | 9.0.22           |
| Bouncy Castle                | 1.62             |
| H2 Database Engine           | 1.4.197          |
| Ignite                       | 2.7.5            |
| Jackson Databind             | 2.9.9.1          |
| Java Servlet API             | 4.0.1, 3.1.0     |
| JAXB                         | 2.2.6            |
| Jetty                        | 9.4.19.v20190610 |
| Lucene                       | 7.4.0            |
| Oracle Server JRE            | 8u221            |
| Spring Framework             | 5.1.8.RELEASE    |

## 7.11.5, July 2019

| TPS                                    | New Version      |
|--|------------------|
| AngularJS                              | 1.7.8            |
| Apache Ant                             | 1.10.5           |
| Apache Commons Codec                   | 1.11             |
| Apache Commons FileUpload              | 1.4              |
| Apache Commons Lang                    | 3.9              |
| Apache Commons Text                    | 1.6              |
| Apache CXF Core                        | 3.3.2            |
| Apache HttpComponents Client           | 4.5.8            |
| Apache HttpComponents Core             | 4.4.11           |
| Apache Log4j                           | 2.11.2           |
| Apache Tomcat                          | 9.0.21           |
| Apache XmlSchema Core                  | 2.2.4            |
| ASM                                    | 7                |
| AspectJ Weaver                         | 1.9.4            |
| Bouncy Castle                          | 1.61             |
| DTD Parser                             | 1.4.1            |
| Extended StAX API                      | 1.8.1            |
| FasterXML Woodstox                     | 5.0.3            |
| Jackson Annotations                    | 2.9.9            |
| Jackson Core                           | 2.9.9            |
| Jackson Databind                       | 2.9.9            |
| Jakarta XML Bind API                   | 2.3.2            |
| JavaBeans Activation Framework API JAR | 1.2.1            |
| JAXB                                   | 2.3.2            |
| Jaxen                                  | 1.2.0            |
| Jetty                                  | 9.4.18.v20190429 |
| jQuery                                 | 3.4.1            |

| TPS                                   | New Version   |
|---------------------------------------|---------------|
| MyBatis                               | 3.5.1         |
| MyBatis Spring                        | 2.0.0         |
| Oracle Sun FastInfoset                | 1.2.16        |
| Oracle Sun Istack Common Utility Code | 3.0.8         |
| RELAX NG Datatype API                 | 2.3.2         |
| rngom                                 | 2.3.2         |
| Simple Logging Facade for Java        | 1.7.26        |
| Spring Framework                      | 5.1.7.RELEASE |
| Spring Security                       | (removed)     |

#### 7.11.4, June 2019

| TPS   | New Version      |
|---|------------------|
| AngularJS                                   | v1.6.10          |
| Apache Log4j                                | (removed)        |
| Apache Neethi                               | 3.1.1            |
| Apache Standard Taglib Implementation       | 1.2.5            |
| Apache Standard Taglib Specification API    | 1.2.5            |
| Apache Tomcat                               | 8.5.40           |
| Bootstrap                                   | 3.4.1            |
| Jackson Annotations                         | 2.9.8            |
| Jackson Core                                | 2.9.8            |
| Jackson Databind                            | 2.9.8            |
| JavaServer Pages (TM) TagLib Implementation | (removed)        |
| Jetty                                       | 9.4.17.v20190418 |
| jQuery                                      | 3.4.0            |
| Lodash                                      | 4.17.11          |
| Oracle Server JRE                           | 8u212            |
| Quartz Enterprise Job Scheduler             | 2.3.1            |
| Spring Security                             | 4.2.12           |

| TPS                     | New Version |
|-------------------------|-------------|
| Windows Service Wrapper | 2.1.1       |
| XmlSchema Core          | 2.2.3       |

### 7.11.3, May 2019

| TPS        | New Version |
|------------|-------------|
| No changes |             |

### 7.11.2, January 2019

| TPS                       | New Version |
|---------------------------|-------------|
| Apache Commons FileUpload | 1.3.3       |
| Apache CXF                | 3.1.17      |
| Apache Tomcat             | 8.5.35      |
| Bouncy Castle             | 1.6         |
| Ignite                    | 2.6.0       |
| Oracle Server JRE         | 8u191       |
| Spring Framework          | 4.3.21      |

### 7.11.1, June 2018

| TPS                 | New Version    |
|---------------------|----------------|
| Apache CXF Core     | 3.1.14         |
| Apache Tomcat       | 8.5.31         |
| Bouncy Castle       | 1.59           |
| Bouncy Castle       | 1.59           |
| Jackson Annotations | 2.9.5          |
| Jackson Core        | 2.9.5          |
| Jackson Databind    | 2.9.5          |
| JAXB                | 2.2.6          |
| jCIFS               | 1.3.19         |
| Oracle Server JRE   | 8u171          |
| Spring Framework    | 4.3.16.RELEASE |

## 7.11.0, October 2017

| TPS   | Version  | Change    |
|---|----------|-----------|
| Amazon Ion Java                               | 1.0.2    | No Change |
| Amazon JMES Path Query Library                | 1.11.111 | No Change |
| AngularJS                                     | v1.6.5   | Updated   |
| ANTLR   | 2.7.7    | No Change |
| Apache Commons BeanUtils                      | 1.9.2    | Added     |
| Apache Commons CLI                            | 1.4      | Updated   |
| Apache Commons Codec                          | 1.9      | No Change |
| Apache Commons Collections                    | 3.2.2    | Added     |
| Apache Commons Daemon                         | 1.0.15   | No Change |
| Apache Commons Digester                       | 1.8.1    | Added     |
| Apache Commons FileUpload                     | 1.3.2    | No Change |
| Apache Commons IO                             | 2.5      | No Change |
| Apache Commons Lang                           | 3.5      | No Change |
| Apache Commons Logging                        | 1.2      | No Change |
| Apache Commons Validator                      | 1.6      | Added     |
| Apache CXF Core                               | 3.1.13   | Updated   |
| Apache HttpComponents Client                  | 4.5.3    | No Change |
| Apache HttpComponents Core                    | 4.4.6    | No Change |
| Apache Ignite                                 | 2.2.0    | Updated   |
| Apache Log4j                                  | 2.8.2    | No Change |
| Apache Lucene                                 | 5.5.2    | Added     |
| Apache Neethi                                 | 3.1.0    | Updated   |
| Apache Tomcat                                 | 8.5.20   | Updated   |
| Apache XML-Commons Resolver                   | 1.2      | No Change |
| Apache XmlSchema Core                         | 2.2.2    | Updated   |
| ASM   | 5.0.4    | Updated   |
| ASM Based Accessors Helper Used by JSON Smart | 1.2      | Added     |



| TPS  | Version         | Change    |
|--|-----------------|-----------|
| AspectJ Weaver   | 1.8.10          | No Change |
| AWS SDK For Java   | 1.11.111        | No Change |
| Bootstrap  | 3.1.1           | No Change |
| Bouncy Castle  | 1.56            | No Change |
| FasterXML Jackson Annotations                                      |                 | Removed   |
| FasterXML Jackson Core   |                 | Removed   |
| FasterXML Stax2 API  | 3.1.4           | No Change |
| FasterXML Woodstox   | 4.4.1           | No Change |
| Google Fonts   | Unspecified     | Added     |
| Google Fonts Open Sans   | Unspecified     | Added     |
| Guava: Google Core Libraries for Java                              | 18              | Added     |
| H2 Database Engine   | 1.4.195         | Added     |
| Hazelcast  | 3.8.4           | Updated   |
| Ignite Shmem   | 1.0.0           | No Change |
| Jackson Annotations  | 2.9.0           | Added     |
| Jackson Core   | 2.9.0           | Added     |
| Jackson Databind   | 2.9.0           | Updated   |
| Jackson Dataformat: CBOR   | 2.6.6           | Added     |
| Java Classmate   | 1.3.1           | Added     |
| Java Naming and Directory Interface (JNDI) - LDAP Service Provider | Booser Pack 1.0 | No Change |
| Java Servlet API   | 3.1.0           | No Change |
| JavaServer Pages (TM) TagLib Implementation                        | 1.2.3           | No Change |
| javax.cache JSR107 API and SPI                                     | 1.0.0           | No Change |
| JAXB   | 2.2.11          | No Change |
| Jaxen  | 1.1.6           | No Change |
| jCIFS  | 1.3.18          | No Change |
| JCIP Annotations Under Apache License                              | 1.0-1           | No Change |
| JDOM   | 1.1.3           | No Change |

| TPS                                  | Version         | Change    |
|--------------------------------------|-----------------|-----------|
| Jespa                                | 1.2.2           | Added     |
| Jespa                                |                 | Removed   |
| JetBrains Java Annotations           | 13              | No Change |
| Jetty                                | 9.4.6.v20170531 | Updated   |
| Joda-Time                            | 2.8.1           | No Change |
| jQuery                               | 3.2.1           | Added     |
| jQuery                               |                 | Removed   |
| JSON Small and Fast Parser           |                 | Removed   |
| JSON Small and Fast Parser           | 2.3             | Added     |
| LMAX Disruptor Framework             | 3.3.6           | No Change |
| Lodash                               | 4.17.4          | Updated   |
| Log4j-Slf4j-Impl                     | 2.8.2           | Added     |
| Log4jdbc Log4j2 JDBC                 | 1.16            | No Change |
| MapStruct                            | 1.0.0.Final     | Added     |
| Microsoft JDBC Driver for SQL Server | 6.0.7728.100    | No Change |
| MiGLayout                            | 4.2             | No Change |
| Montserrat                           | master20170913  | Added     |
| MyBatis                              | 3.4.4           | Updated   |
| MyBatis-Spring                       | 1.3.1           | No Change |
| Nimbus JOSE+JWT                      | 4.41.2          | Added     |
| Nimbus JOSE+JWT                      |                 | Removed   |
| Oracle Server JRE                    | 8u144           | Updated   |
| Oracle Server JRE                    |                 | Removed   |
| PostgreSQL JDBC Driver               | 8.4-703         | No Change |
| Progress DataDirect Connect for JDBC | 5.1.3           | No Change |
| Quartz Enterprise Job Scheduler      | 2.2.3           | No Change |
| SaxPath                              | 1.0-FCS         | Added     |
| Simple Logging Facade for Java       | 1.7.25          | No Change |

| TPS  | Version       | Change    |
|--|---------------|-----------|
| Spring Framework                                   | 4.3.7.RELEASE | No Change |
| Spring Plugin                                      | 1.2.0.RELEASE | Added     |
| Spring Security                                    | 4.2.3         | Updated   |
| SpringFox  | 2.6.1         | Added     |
| Swagger Annotations                                | 1.5.10        | Added     |
| Swagger Models                                     | 1.5.10        | Added     |
| toastr   | 2.1.3         | No Change |
| Web Services Description Language for Java Toolkit | 1.6.3         | No Change |

## Closed Issues

The following table lists important closed issues in version 7.11 of Spotfire Server.

### *Version 7.11.10, February 2020*

| Key       | Summary   |
|-----------|---|
| TSS-26541 | The Ignite working directory is now set to <code>&lt;installation_dir&gt;/tomcat/temp/ignite</code> .   |
| TSS-26578 | After upgrading to Spotfire Server version 7.11.x or 10.x, the configuration tool could not connect to LDAPS servers.   |
| TSS-26585 | Previously, an analysis in Spotfire Web Player failed to trust scripts or queries if the analysis contained a large number of scripts or queries. This issue has been fixed.  |
| TSS-26595 | The configuration parameter <code>--referral-mode-root-dse</code> has been added to the configuration commands <code>create-ldap-config</code> and <code>update-ldap-config</code> . This parameter specifies how LDAP referrals should be handled when looking up the RootDSE. |

### *Version 7.11.8, December 2019*

| Key       | Summary  |
|-----------|--|
| TSS-26313 | The sort icons in the Library Browser displayed the reverse of the sort order. |

### *Version 7.11.7, October 2019*

| Key       | Summary   |
|-----------|---|
| TSS-25914 | Upgrade logs are now included in the troubleshooting bundle.  |
| TSS-26059 | Canceling a scheduled update through the Spotfire Web Server could fail. This issue has been fixed. |
| TSS-26073 | Information about <code>sessions.log</code> has been added to the logging documentation.            |

| Key       | Summary   |
|-----------|---|
| TSS-26084 | Spotfire Server and node manager certificates (used for back-end communication) are now renewed more readily (if less than half of the certificate's validity period remains), to reduce the risk of service outages. |

#### *Version 7.11.4, June 2019*

| Key       | Summary  |
|-----------|--|
| TSS-25327 | Occasional NullPointerExceptions were seen in the logs for jobs that were being processed. This has been corrected, resulting in a reduced memory footprint. |

#### *Version 7.11.0, November 2017*

| Key                  | Summary   |
|----------------------|---|
| TSS-9038             | The message that administrators see when they run the <b>config-jmx</b> command without "write" permissions for the <code>configuration.xml</code> file has been corrected. It previously implied that the change to the configuration file was successful.                                       |
| TSS-18580            | Custom logging destinations are now included in the troubleshooting bundle. This is for customers who changed the location of a service's log files.  |
| TSS-19808            | Previously, when a server was started, a warning message that begins with the following text was logged in the <code>server.log</code> file: <code>servlet.resource.ResourceHttpRequestHandler: Locations list is empty.</code><br><br>The message no longer appears.                             |
| TSS-20293, TSS-20352 | In Spotfire Server version 7.8.1 HF-004 and HF-005, parameterized information links with an "undefined" type parameter resulted in an exception when invoked by using the API. This has been corrected.   |
| TSS-20542            | Previously on the Overview page of Scheduling & Routing, clicking <b>Refresh</b> in the Rules pane caused the UI to flicker and temporarily display a Status column. This has been corrected.   |
| TSS-20579            | It is now possible to validate folders in Information Designer after a server restart.  |
| TSS-20597            | Previously the wrong error page was displayed when Spotfire Server was opened in an unsupported browser. This has been corrected.   |
| TSS-20612            | Spotfire now supports NTLM in a Windows domain where SMB1 has been disabled.  |
| TSS-20645            | The help instructions have been corrected for the procedure "Changing the logging level of a server or node that is not running".   |
| TSS-21001            | The help topic "Enabling Kerberos for Internet Explorer" has been updated to include information about adding the Local Intranet URL to the Internet Explorer setting found under <b>Internet Options &gt; Security &gt; Local Intranet</b> in the case where the local intranet crosses domains. |

## Known Issues

The table lists known issues in version 7.11 of Spotfire Server.

| Key       | Summary   |
|-----------|---|
| TSS-13505 | <p>Communication with a worker node fails when the list of trusted Certification Authorities on the computer is large. While it is unlikely that you will see this happen on server versions of Windows, it is common on Windows 7 (which is an unsupported platform).</p> <p>If you encounter this problem on a Windows server version, see the following support note: <a href="https://support.microsoft.com/en-us/kb/2801679">https://support.microsoft.com/en-us/kb/2801679</a></p> <p>Workaround: Reduce the number of trusted CA certificates manually or by using the "Fix it" tool linked from the KB article, as described in the article.</p>  |
| TSS-14115 | <p>If you are using external library storage, the upgrade tool fails.</p> <p>Workaround:</p> <ol style="list-style-type: none"> <li>1. Change the item type in <code>LIB_ITEMS</code> to another datatype than the data sources (in other words, update those retrieved here): <code>select li.ITEM_ID, li.TITLE from LIB_ITEMS where li.ITEM_TYPE = 'e3fd5644-07a1-4a09-b05b-1d148f1f6786'</code></li> <li>2. Update the <code>item_type</code> to a temporary <code>ITEM_TYPE</code>.</li> <li>3. Run the upgrade.</li> <li>4. Change the types back to the original data types.</li> </ol>   |
| TSS-15541 | <p>The list of packages is cached in the user's session. Any changes to the deployment area from another session will not appear in an existing session.</p> <p>Workaround: Renew your session by logging out and then logging in again.</p>  |
| TSS-16342 | <p>When upgrading from a 7.0 implementation that includes Spotfire Server and Spotfire Web Player, there is no backward compatibility for the web client URL to <code>RSS.ashx</code>.</p>  |
| TSS-16445 | <p>In Monitoring &amp; Diagnostics, the Automation Services page displays a maximum of 300 jobs, beginning with the most recent.</p> <p>Workaround: To view older jobs, use the Search box.</p>   |
| TSS-18321 | <p>When a user logs in to Spotfire Analyst by using web authentication (OpenID Connect) and selects the <b>Remember my choice</b> check box, it is not possible to clear that setting from within Spotfire Analyst.</p> <p>To clear the <b>Remember my choice</b> setting, the user must open the default browser on the computer and perform one of the following options:</p> <ul style="list-style-type: none"> <li>• Navigate to <code>http[s]://&lt;host&gt;[:&lt;port&gt;]/spotfire/login.html?forceShowLogin=true</code>. This immediately clears the setting.</li> <li>• Navigate to the server, log in, and then log out.</li> <li>• Navigate to the server, go to "My account" by clicking the upper-right corner of the window, and then under <b>Remembered authentication provider</b>, click <b>Clear</b>.</li> </ul> |

| Key       | Summary  |
|-----------|--|
| TSS-20759 | <p>In clustered Spotfire environments, in extremely rare cases, Apache Ignite cluster segmentation can occur. You can recognize this issue by the term "CacheStoppedException" in the server log errors.</p> <p>To resolve the issue, restart the affected server.</p>   |
| TSS-21408 | <p>In Spotfire environments with an Oracle database, Spotfire occasionally uses more cursors than are available. This can occur in a variety of situations, but in all cases the following error appears in the server log, and the server stops functioning: <code>ORA-01000 maximum open cursors exceeded</code>. If this occurs, try setting the <b>OPEN_CURSORS</b> property in Oracle to at least 500, and then restart the server.</p> <p>Fixes to Spotfire 7.11 make this issue less likely to occur, but the best way of avoiding this issue, and many others, is to monitor and optimize your Spotfire environment. For more information, see <a href="#">Monitoring and Diagnostics</a> in the Spotfire Server help.</p> |
| TSDK-597  | <p>If your Spotfire implementation uses Web authentication through OpenID Connect or custom web authentication, Spotfire Package Builder cannot be used to deploy extensions to the server.</p> <p>Workaround: Deploy the extension package by using the Deployments &amp; Packages area of Spotfire Server.</p>   |
| TSWP-9847 | <p>Clicking <b>Delete</b> on a data file in the library browser on the web client will not delete the file if the data is linked to an analysis file.</p> <p>Workaround: Delete the data file from the library using Spotfire Analyst.</p>   |