

# Spotfire® Server Release Notes

*Software Release 14.0 LTS (14.0.8)*

# Contents

---

**Spotfire Server Release Notes..... 3**

**New Features..... 4**

**Changes in Functionality..... 9**

**Deprecated and Removed Features..... 12**

**Third Party Software Updates..... 15**

**Closed Issues..... 23**

**Known Issues..... 32**

**Migration and Compatibility..... 38**

**Spotfire Documentation and Support Services..... 39**

**Legal and Third-Party Notices..... 40**

# Spotfire Server Release Notes

---

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 Spotfire® Server version 14.0. 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 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.



## Major changes since earlier LTS versions

For an overview of important changes since the earliest in-support LTS version, see [Upgrading between Spotfire LTS versions](#).

# New Features

The following new features have been added in version 14.0 of Spotfire® Server.

For details about new Spotfire features, see [What's New in Spotfire](#) in the [Community](#).

Key	Version	Summary
SPOT-3666	14.0.8	<p><b>New Spotfire products and licensing</b></p> <p>Spotfire 14.5 (and 14.0.8) introduces support for the new Spotfire license model. For more information about the difference between the legacy license model and the new license model see <a href="#">Spotfire licenses and license features</a> in the <i>Spotfire® Server and Environment - Installation and Administration</i> documentation.</p> <p>The license model to use is determined by your current contract.</p> <p>For a new installation of Spotfire Server 14.5 or 14.0.8 and later, the default is that the new license model is used. Customers that have contracts with the legacy license model must <a href="#">change the product license version manually</a> using the server CLI command <code>set-config-prop</code>.</p>
SPOT-3671	14.0.8	<p><b>Simplified licensing</b></p> <p>The licensing for Spotfire products has been updated to provide an easier way to set, remove and change licenses for groups and to support the new licensing model of Spotfire.</p> <p>With the new license model and updated web administration interfaces, it is easier to track the number of assigned licenses. You can see the number of users assigned to different Spotfire product licenses directly in the <i>Groups</i> page.</p> <p>It is possible to switch between the old and new license model through a server configuration parameter. By default, license model version 1 is used. You can set the license model version by running the following CLI command:</p> <pre>config set-config-prop -n licenses.version -v 1</pre> <p>See <a href="#">Setting the license and license features for a group</a> for more information.</p>
SPOT-3672	14.0.8	<p><b>Generate a deployment report to see license usage</b></p> <p>As an administrator you can now generate a deployment report by clicking <i>Download deployment report</i> in the <i>About Spotfire</i> section of the Spotfire Server web administration pages.</p> <p>The deployment report is downloaded to your local drive and it contains information about license assignment, license usage, license feature usage, as well as library, system and services characteristics and usage.</p>
SPOT-3738	14.0.8	<p><b>Quick filters showing status overviews of scheduled updates jobs</b></p> <p>Spotfire administrators can now see an overview of the statuses for all scheduled updates jobs, and quickly drill down to more details about jobs of a certain status.</p> <p>When available, you can see summaries of the jobs with the following statuses:</p> <ul style="list-style-type: none"> <li>• Number of jobs successfully completed</li> <li>• Number of jobs currently executing</li> <li>• Number of failed jobs</li> <li>• Number of partially failed jobs</li> <li>• Number of queued jobs</li> </ul> <p>Each status entry is a "quick filter" that you can click on to show only the scheduled updates jobs with that particular status.</p> <p>You can also use custom filters as usual. After selecting a quick filter, the settings from the quick filter will be visible in the search bar and in the Filters drop-down list, for further filter customization.</p>

Key	Version	Summary
TSS-34907	14.0.6	<p><b>Logging of imported library items</b></p> <p>A new action log entry has been introduced, logging which specific library items were imported during a library import operation. The action is logged as <code>import_content</code> under the <code>library</code> category.</p>
TSS-33621	14.0.2	<p><b>New built-in authentication process</b></p> <p>The Information Services process now has a built-in <code>PostAuthenticationFilter</code> process.</p> <p><b>Note:</b> This process does not execute a custom Post Authentication Filter, so, there is no need to add an external <code>.jar</code> in the Information Services folder for a post-authentication filter.</p>
SPOT-3208	14.0.0	<p><b>Spotfire is back!</b></p> <p>Spotfire® is now a stand-alone brand within Cloud Software Group, and this is reflected in a new logotype and new product names.</p> <p>The following Spotfire products have been rebranded in this release:</p> <ul style="list-style-type: none"> <li>• Spotfire Server</li> <li>• Spotfire Analyst</li> <li>• Spotfire Deployment Kit</li> <li>• Spotfire Automation Services</li> <li>• Spotfire Qualification</li> <li>• Spotfire Developer</li> <li>• Spotfire Enterprise Runtime for R (a/k/a TERR)</li> <li>• Spotfire Enterprise Runtime for R – Server Edition (a/k/a the TERR Service)</li> <li>• Spotfire Service for R</li> <li>• Spotfire Service for Python</li> </ul>
TSS-16326	14.0.0	<p><b>An Unload event is now shown as an Activity in Scheduling &amp; Routing</b></p> <p>If you unload an analysis that was loaded by Scheduled Updates, that event is now displayed in the Activity view, similar to the current load tasks. Also, if unloading was the last activity for a rule, it is also displayed as the last status in the Rules view.</p>
TSS-32317	14.0.0	<p><b>Improved graceful shut-down behavior for Spotfire Server instances</b></p> <p>You can now perform a rolling restart of Spotfire Server instances (for example, one at a time) when a graceful shutdown is initiated—that is, when it is explicitly called (see <code>graceful-shutdown.sh</code>), or when configuration changes are detected (not enabled by default).</p> <p>To enable this setting, set <code>lifecycle.changes-monitoring.draining.rolling.enabled</code> to <code>true</code>. The default is <code>false</code>.</p> <p>To configure how long a Spotfire Server instance should wait for another instance, set <code>lifecycle.changes-monitoring.draining.rolling.maxwait-seconds</code>. The default is <code>lifecycle.changes-monitoring.draining.timeout-seconds</code>.</p> <p>For larger clusters, it might be beneficial to restart more than one instance at a time. If so, set <code>lifecycle.changes-monitoring.draining.rolling.max-unavailable</code> to the desired value. The default is 1.</p>

Key	Version	Summary
SPOT-1277	14.0.0	<p><b>New Library REST API</b></p> <p>The new <a href="#">Library REST API (v2)</a> allows an external application to manage library assets. The Library REST API supports the following operations:</p> <ul style="list-style-type: none"> <li>• list items</li> <li>• show item details</li> <li>• download item</li> <li>• upload item</li> <li>• delete item</li> <li>• search items (also with expressions)</li> </ul> <p>The Library REST API also supports operations related to the version history of items. The Library REST API simplifies promotion and migration operations between Spotfire environments and facilitates automation with CI/CD pipelines.</p>
SPOT-2361	14.0.0	<p><b>Configure version history per analysis from the Analyst client</b></p> <p>An analyst can enable or disable the version history setting for each analysis in the library from within the Spotfire Analyst client. By only saving the version history for the most important analyses, you can keep the storage need for the library to a minimum.</p> <p>When an analysis is opened in the installed client, select <i>File &gt; Document Properties</i>, go to the <i>Library</i> tab and modify the <i>Keep older versions of this file when saving</i> check box to change the setting. You need write permissions for the analysis to update the setting.</p> <p>A system administrator can configure if the version history should be enabled or disabled for all analyses by default. See <a href="#">Switching off library versioning</a> in the <i>Spotfire® Server and Environment - Installation and Administration</i> manual.</p>
SPOT-2426	14.0.0	<p><b>Bring your own Python</b></p> <p>You can deploy and use your preferred <a href="#">Python</a> distribution with the Spotfire Service for Python.</p> <p><b>Note:</b> To use an alternative Python distribution, install the Python packages and set the environment variable <code>SPOTFIRE_PYTHON_HOME</code> to point to that installation. If the environment variable <code>SPOTFIRE_PYTHON_HOME</code> is not specified, then Spotfire Service for Python uses the version of Python bundled with this product.</p> <p><b>Note:</b> For consistency, the deployed Python version must be the same for all the Spotfire Service for Python instances within the same Spotfire deployment area.</p> <p><b>Note:</b> Python 3.7 or higher is required.</p>
SPOT-3136	14.0.0	<p><b>PostgreSQL 15 supported as the Spotfire database</b></p> <p>Spotfire now supports <a href="#">PostgreSQL</a> version 15 as the Spotfire Server database. PostgreSQL version 15 is the latest stable version.</p>
SPOT-3137	14.0.0	<p><b>SQL Server 2022 supported as the Spotfire database</b></p> <p>Spotfire now supports <a href="#">SQL Server 2022</a> as the Spotfire Server database. Microsoft SQL Server 2022 is the latest stable version.</p>

Key	Version	Summary
SPOT-3204	14.0.0	<p><b>Debian 12 supported as operating system</b></p> <p>Debian 12 is now supported as the operating system for:</p> <ul style="list-style-type: none"> <li>Spotfire® Server</li> <li>Spotfire® Web Player</li> <li>Spotfire® Automation Services</li> <li>Spotfire® Enterprise Runtime for R - Server Edition (a/k/a the TERR™ service)</li> <li>Spotfire® Service for R</li> <li>Spotfire® Service for Python</li> </ul> <p><b>Note:</b> Debian 12 "bookworm" was released on 2023-06-10.</p>
TSS-30571	14.0.0	<p><b>Support for creating Information Services memory and thread dumps from the Spotfire Server web pages</b></p> <p>On the <i>Monitoring &amp; Diagnostics, Overview</i> page, the context menu for a Spotfire Server now includes the options 'Create Information Services memory dump' and 'Download Information Services thread dump'.</p> <ul style="list-style-type: none"> <li>The resulting file name for the Information Services thread dump is <code>information-services-threadDump-&lt;server-id&gt;-&lt;current-date-time-stamp&gt;.txt</code>.</li> <li>The resulting file name for the Information Services memory dump is <code>information-services-heap-&lt;server-id&gt;-&lt;current-date-time-stamp&gt;.hprof</code>.</li> </ul>
TSS-32370	14.0.0	<p><b>Support for credential delegation for Oracle thin driver</b></p> <p>Beginning with version 19c, Oracle supports credential delegation for the Kerberos constrained environment. Spotfire supports credential delegation for an Oracle thin driver for version 19.3 or higher.</p>
TSS-32449	14.0.0	<p><b>Support for Oracle JDBC driver</b></p> <p>The Oracle JDBC driver version 23.2.0.0 is now supported.</p>
TSS-32522	14.0.0	<p><b>SCIM API updated</b></p> <p>The Cross-domain Identity Management (SCIM) API now supports pagination.</p>
TSS-32532	14.0.0	<p><b>SCIM user schema updated</b></p> <p>The <code>groups</code> attribute of the Cross-domain Identity Management (SCIM) user schema now includes the <code>type</code> sub-attribute.</p> <p>Now, with the <code>type</code> sub-attribute, it is possible to determine which groups a user or group is a direct member of using the SCIM API.</p>
TSS-32720	14.0.0	<p><b>New CLI command provides license information about named users</b></p> <p>Named user license information can be generated by using the <code>show-named-user-licenses</code> command-line command.</p>
TSS-32738	14.0.0	<p><b>Troubleshooting bundle includes named user license information</b></p> <p>Named user license information is now part of the troubleshooting bundle. It can be disabled by setting <code>licenses.named-users.append-troubleshooting-bundle</code> to <code>false</code>.</p>
TSS-32829	14.0.0	<p><b>PostgreSQL connection URL examples in CLI help show use of new parameter</b></p> <p>For the CLI commands <code>create-db</code> and <code>create-actiondb</code>, the help for PostgreSQL connections now includes examples of using the parameter <code>database-name</code>.</p>

Key	Version	Summary
TSS-33029	14.0.0	<b>Support for RFC 8707 added</b> When acting as an OAuth client (to access external systems), the Spotfire Server now supports RFC 8707 (Resource Indicators for OAuth 2.0).



# Changes in Functionality

The following are changes in functionality in version 14.0 of Spotfire Server.

Key	Version	Summary
TSS-34231	14.0.6	<p><b>Scheduled updates task labels and action log events are improved</b></p> <p>When an update is already in progress, a request for a scheduled update now displays CANCELED. (Previously, it was shown as COMPLETE/SUCCESSFUL.)</p> <p>In addition to this change, the user action log events for the category <code>scheduled_updates</code> actions <code>job_load</code>, <code>job_unload</code>, and <code>job_cancel_load</code> also now contain the library identifier (if available) as ARG2.</p>
TSS-34674	14.0.6	<p><b>Changed sort order on Nodes &amp; Services Network</b></p> <p>On the <i>Nodes &amp; Services Network</i> page, the nodes and services are now sorted alphabetically, rather than based on status. This change was made because the old sorting caused the hierarchy to jump whenever the status changed.</p>
TSS-34716	14.0.6	<p><b>Removed Resource pool column from the node manager Services table</b></p> <p>The <i>Resource pool</i> column has been removed from the <i>Services</i> table for a selected node manager on the <i>Nodes &amp; Services, Network</i> page.</p> <p>The reason for this is that it caused confusion because it showed what the default resource pool was for new instances created under that service, and not which resource pool the service was in, which some believed. A service cannot be part of a resource pool.</p>
TSS-34054	14.0.4	<p><b>Upload legacy DXP files using the public API</b></p> <p>Functionality has been added to upload legacy DXP files using the public API. Before uploading the files, they must be resaved in Spotfire version 12.4 or later.</p>
TSS-33551	14.0.2	<p><b>The SCIM API now supports filtering of attributes</b></p> <p>Clients can now request a partial resource representation on any SCIM operation that returns a resource within the response. You can specify either of the mutually exclusive URL query parameters <code>attributes</code> or <code>excludedAttributes</code>.</p>
SPOT-1723	14.0.0	<p><b>Updated from Java EE to Jakarta EE 9+</b></p> <p>The Spotfire Server is now updated to use a newer generation of third party components that have adopted to the new namespaces defined in the Jakarta EE 9 project. The old namespaces have been deprecated since Spotfire 10.10.11, 11.4.6 &amp; 11.8.0.</p> <p>If you have custom code deployed on the Spotfire server, some of your code might need to be altered and rebuilt.</p> <p>The main difference is that some, but not all, imports of <code>javax.</code> must be changed to <code>jakarta.</code> For example, <code>javax.servlet.http.HttpServletRequest</code> must be changed to <code>jakarta.servlet.http.HttpServletRequest</code>.</p> <p>A list of components with changed namespace can be found here: <a href="https://wiki.eclipse.org/Jakarta_EE_Maven_Coordinates">https://wiki.eclipse.org/Jakarta_EE_Maven_Coordinates</a></p> <p>It is possible that a third party component that you use, for example a JDBC-driver, is still using the older namespace. In many cases, components handle this dependency by creating a shaded jar file, that is, a jar file that includes the dependency, but under a new namespace. If the jar file is shaded, everything might work directly, otherwise you need to update the third party component.</p>

Key	Version	Summary
SPOT-3268	14.0.0	<p><b>Eclipse Temurin OpenJDK replaces Oracle Java as the embedded JDK distribution</b></p> <p>With this release, the Spotfire installation packages now include the Eclipse Temurin OpenJDK instead of the Oracle Java Development Kit used in previous versions.</p> <p><b>Note:</b> Eclipse Temurin is the name of the OpenJDK distribution from Adoptium. The Eclipse Adoptium Working Group is the successor of AdoptOpenJDK. The primary goal of Adoptium is to promote and support free and open-source high-quality runtimes and associated technology for use across the Java ecosystem.</p>
TSS-23383	14.0.0	<p><b>Improved queue management and routing for scheduled updates</b></p> <p>In previous Spotfire versions, each service instance had a separate queue for the initial loading of analysis files used in Automation Services jobs and scheduled updates, and the queue was assigned when the job arrived. In some cases, a job could end up behind other slow jobs and get stuck, even if other instances were available.</p> <p>With this improvement, there is a single queue for all service instances on the Spotfire Server, and each scheduled updates job is only assigned to an instance when a slot is available in that instance. Updates to an already loaded analysis are still handled as before, since they are done on the instance where the analysis is loaded.</p> <p>In addition to this change, when there are many instances with available slots, each instance takes one item at a time until all available slots are filled, or until the queue is empty. This change affects both Automation Services and scheduled updates job handling.</p> <p>Depending on the number of rules started around the same time, the difference in load time for each rule, and the number of Web Player instances, you might need to change the configured <a href="#">concurrentUpdates</a> value in the Web Player service configuration.</p> <p>To go back to the previous behavior, set the configuration option <code>scheduled-updates.compatibility.assign-destination-before-queuing</code> to true.</p>
TSS-28095	14.0.0	<p><b>Change to Apache Ignite affects performance monitoring metrics</b></p> <p>Due to changes in the updated third-party component, detailed metrics of Apache Ignite data storage and data region are no longer available through the Spotfire Server performance monitoring files (if they were explicitly enabled previously). Metrics-related individual caches or a cluster are unchanged.</p> <p>Some of these metrics are available through JMX.</p>
TSS-30568	14.0.0	<p><b>Compatibility with TIBCO EMS changed</b></p> <p>The Spotfire Server compatibility with the TIBCO Enterprise Message Service has changed and now requires version 10.2.x or higher. Spotfire Server now uses the newer Jakarta EE API to make calls to the TIBCO Enterprise Message Service. Note this when selecting which jar files to use in Spotfire Server.</p>
TSS-31202	14.0.0	<p><b>Changes to API methods due to the move to Jakarta EE 9</b></p> <p>The following API methods have changed due to the move to Jakarta EE 9:</p> <ul style="list-style-type: none"> <li>Object <code>AuthenticationContext.getAttribute(String name)</code>: The attribute name <code>javax.servlet.request.X509Certificate</code> has been replaced by the new attribute name <code>jakarta.servlet.request.X509Certificate</code>. Note that the type of the returned object has also changed.</li> <li>Enumeration&lt;String&gt; <code>getAttributeNames()</code>: The attribute name <code>javax.servlet.request.X509Certificate</code> has been replaced by the new attribute name <code>jakarta.servlet.request.X509Certificate</code>.</li> <li>Cookie[] <code>getCookies()</code>: The return type has changed from <code>javax.servlet.http.Cookie</code> to <code>jakarta.servlet.http.Cookie</code>.</li> </ul>

Key	Version	Summary
TSS-32539	14.0.0	<p><b>Change to usage permissions for library Filters</b></p> <p>With this release, when browsing the library in the Spotfire Server web administration pages, only administrators can filter for users in the <i>Created by</i> and <i>Modified by</i> filters using a control which exposes the users in the system (a drop-down list with a search field).</p> <p>Non-administrator users can filter by typing a user name in the input field. This change is done due to security concerns.</p>
TSS-32599	14.0.0	<p><b>Important for upgrades: Updated code trust Certificate Authority</b></p> <p>With this release, the name of the internal Certificate Authority for the Code Trust CA of the Spotfire Server is changed from <i>TIBCO Spotfire Code Trust Root CA</i> to <i>Spotfire Code Trust Root CA</i>.</p> <p>This means that a new root CA certificate is generated on the Spotfire Server, which will be used to issue new code signing certificates when users sign new Spotfire mods. If you are using an environment with a Test or Development to Production structure, this means that the step to export and import the root CA certificate between the systems must be done again to make everything work properly for Spotfire mods signed after the upgrade.</p> <p>See <a href="#">Moving certificates from one system to another</a> in the <i>Spotfire® Server and Environment - Installation and Administration Guide</i> for instructions.</p>
TSS-32638	14.0.0	<p><b>Sort order changed in the Scheduling &amp; Routing Activity page</b></p> <p>The events displayed in the Scheduling &amp; Routing Activity page are now sorted in descending order, based on the <i>Start time</i> column by default, so that you now see the latest started events first. Previously, the default showed the latest finished events first. (That is, the column was sorted by descending order based on the <i>End time</i> column by default.)</p>
TSS-32705	14.0.0	<p><b>New variable added to the create_database script for PostgreSQL</b></p> <p>The variable PGDATABASE (represented by the <code>-d</code> flag) has been added to the <code>create_database</code> script for a PostgreSQL database. This change addresses an issue with the script failing if a user other than the admin "postgres" tries to run one of the commands <code>create_database</code> or <code>create_actionlog_db</code>.</p>
TSS-32789	14.0.0	<p><b>Spotfire Server and node manager services have been renamed because of rebranding</b></p> <p>The Windows services are now called <i>spotfireserver-1400</i> and <i>spotfirenodemanager-1400</i> (previously, they were called something like <i>Tss1250</i> and <i>WpNmRemote1250</i>, respectively).</p>
TSS-32967	14.0.0	<p><b>Changed Information Services default port</b></p> <p>The default port for connecting to the Information Services process is changed to 9445.</p>
TSS-32970	14.0.0	<p><b>The failover-delay for scheduled updates is now enabled by default</b></p> <p>The <code>failover-delay</code> setting is now enabled by default, with a delay time of 180 seconds. This change helps to reduce the risk of uneven distribution of scheduled updates over the available service instances, when one or more service instances are restarted.</p>
TSS-32974	14.0.0	<p><b>Updates to the bootstrap CLI command</b></p> <p>The previously optional parameters <code>-c value</code> ("driver class") and <code>-d value</code> ("database URL") in the <code>bootstrap</code> command are now always required, and they are different for each environment.</p>

# Deprecated and Removed Features

## Deprecated features

The table lists features that are deprecated and will be removed in a future release of Spotfire Server.

Key	Version	Summary
TSS-34086	14.0.4	The ability to run Information Services as an embedded process/in-process, using the setting <code>information-services.external-process.enabled=false</code> is deprecated and will be removed in a future version.  Deprecated since Spotfire 14.5.0 and 14.0.4.
TSS-28133	14.0.0	The CLI parameter <code>-t</code> or <code>--tool-password</code> of the <code>s3-download</code> command is deprecated and will be removed in a future version. Using this parameter results in a warning message about the deprecation.  Deprecated since Spotfire 11.4.0.
TSS-29565	14.0.0	The <code>getReturnEndpoint()</code> method of the <code>CustomWebAuthenticatorInitContext</code> API class is deprecated and will be removed in a future release. Use the new method with the same name in the <code>WebAuthenticationContext</code> API class instead.  Deprecated since Spotfire 11.6.0.
TSS-32525	14.0.0	The <code>LibraryService</code> SOAP API is deprecated and will be removed in a future release. Use the Library REST APIs instead.  Deprecated since Spotfire 14.0.0.
TSS-32528	14.0.0	The <code>UserDirectoryService</code> SOAP API is deprecated and will be removed in a future release. Use the <i>System for Cross-domain Identity Management</i> (SCIM) APIs instead.  Deprecated since Spotfire 14.0.0.
TSS-32618	14.0.0	The command-line command <code>s3-download</code> is deprecated and will be removed in a future release. Use <code>external-download</code> instead.  Deprecated since Spotfire 14.0.0.
TSS-32956	14.0.0	The <code>import-scheduled-updates</code> CLI command is deprecated and will be removed in a future version.  Deprecated since Spotfire 14.0.0.
TSS-33175	14.0.0	The <code>com.spotfire.server.security.AuthenticationContext.getRequestSessionId()</code> method is deprecated and will be removed in a future version.  Deprecated since Spotfire 12.4.0.

Key	Version	Summary
TSS-33176	14.0.0	<p>The <code>com.spotfire.server.userdir.UserDirectory</code> Java User Directory API is deprecated and will be removed in a future release. Use the <code>com.spotfire.server.api.userdir.UserDirectory</code> Java User Directory API, or SCIM, instead.</p> <p>The <code>com.spotfire.server.security.SecurityContext.getPrincipal()</code> method is deprecated and will be removed in a future release. Use the <code>com.spotfire.server.api.userdir.UserDirectory</code> to retrieve principals instead.</p> <p>The <code>com.spotfire.server.userdir.UserDirectoryFactory</code> API is deprecated and will be removed in a future release. Use <code>com.spotfire.server.security.AuthenticationContext.getUserDirectory()</code> to retrieve a <code>com.spotfire.server.api.userdir.UserDirectory</code> instance instead.</p> <p>Deprecated since Spotfire 14.0.0.</p>
TSS-33177	14.0.0	<p>The <code>com.spotfire.server.security.PostAuthenticationFilter.setConfiguration(String)</code> API method is deprecated and will be removed in a future release. Use the <code>PostAuthenticationFilter.init(PostAuthenticationFilterInitContext)</code> method instead.</p> <p>The <code>com.spotfire.server.security.PostAuthenticationFilterInitContext.getLegacyConfiguration()</code> API method is deprecated and will be removed in a future release. Use name-value parameters instead.</p> <p>Deprecated since Spotfire 14.0.0.</p>

## Removed features

The following features have been removed in this version of Spotfire Server.

Key	Version	Summary
SPOT-3109	14.0.0	<p>The TIBCO-branded versions of Progress DataDirect JDBC drivers, which previously came pre-installed with Spotfire Server, are removed, and not supported in this version of Spotfire. The corresponding data source templates for the drivers are also removed.</p> <ul style="list-style-type: none"> <li>DB2 - DataDirect (<code>tibcosoftwareinc.jdbc.db2.DB2Driver</code>)</li> <li>MySQL - DataDirect (<code>tibcosoftwareinc.jdbc.mysql.MySQLDriver</code>)</li> <li>Oracle - DataDirect (<code>tibcosoftwareinc.jdbc.oracle.OracleDriver</code>)</li> <li>SQL Server - DataDirect (<code>tibcosoftwareinc.jdbc.sqlserver.SQLServerDriver</code>)</li> <li>Sybase - DataDirect (<code>tibcosoftwareinc.jdbc.sybase.SybaseDriver</code>)</li> </ul> <p>If you use any of the above drivers in your Spotfire environment, you must migrate to using different JDBC drivers for connectivity. Before you upgrade, see <a href="#">Migrating from TIBCO DataDirect JDBC drivers</a>.</p>
SPOT-3216	14.0.0	<p>Debian 10 is no longer supported as the operating system for:</p> <ul style="list-style-type: none"> <li>Spotfire Server</li> <li>Spotfire Web Player</li> <li>Spotfire Automation Services</li> <li>Spotfire Enterprise Runtime for R (a/k/a the TERR Service)</li> <li>Spotfire Service for R</li> <li>Spotfire Service for Python</li> </ul>

Key	Version	Summary
SPOT-3217	14.0.0	Red Hat Enterprise Linux (RHEL) 7 is no longer supported as the operating system for: <ul style="list-style-type: none"><li>• Spotfire Server</li><li>• Spotfire Web Player</li><li>• Spotfire Automation Services</li><li>• Spotfire Enterprise Runtime for R (a/k/a the TERR Service)</li><li>• Spotfire Service for R</li><li>• Spotfire Service for Python</li></ul>
TSS-32466	14.0.0	The legacy SOAP logging feature has been removed.

## Third Party Software Updates

The following third party software (TPS) components have been added or updated in version 14.0 of Spotfire Server.

Key	Version	Summary
TSS-35343	14.0.8	Angular updated to 19.2.1
TSS-35344	14.0.8	<ul style="list-style-type: none"> <li>• Amazon AWS SDK updated to 2.31.1</li> <li>• Apache Commons Codec updated to 1.18.0</li> <li>• Apache CXF updated to 4.1.1</li> <li>• Apache HttpComponents Client updated to 5.4.4</li> <li>• Apache HttpComponents Core updated to 5.3.4</li> <li>• Apache Tomcat updated to 10.1.40</li> <li>• Azure Core shared library for Java updated to 1.55.3</li> <li>• Eclipse Jetty updated to 12.0.17</li> <li>• FasterXML/Jackson Annotations updated to 2.18.3</li> <li>• FasterXML/Jackson Core updated to 2.18.3</li> <li>• FasterXML/Jackson Databind updated to 2.18.3</li> <li>• FasterXML/Jackson Dataformat: XML updated to 2.18.3</li> <li>• FasterXML/Jackson Dataformat: YAML updated to 2.18.3</li> <li>• FasterXML/Jackson Datatype: JSR310 updated to 2.18.3</li> <li>• Fifesoft RSyntaxTextArea updated to 3.5.4</li> <li>• Micrometer updated to 1.14.5</li> <li>• Microsoft Azure Common Module For Storage updated to 12.29.0</li> <li>• Microsoft Azure Core HTTP Netty updated to 1.15.11</li> <li>• Microsoft Azure Java JSON Library updated to 1.5.0</li> <li>• Microsoft Azure Java XML Library updated to 1.2.0</li> <li>• Microsoft Azure Storage Blob client library for Java updated to 12.30.0</li> <li>• Nimbus JOSE + JWT updated to 10.0.2</li> <li>• Simple Logging Facade for Java updated to 2.0.17</li> <li>• Spring Framework updated to 6.2.4</li> <li>• Swagger updated to 1.6.15</li> <li>• Swagger updated to 2.2.29</li> </ul>
TSS-35251	14.0.7	Amazon Redshift JDBC driver updated to 2.1.0.30
TSS-35178	14.0.7	<ul style="list-style-type: none"> <li>• Angular updated to 19.1.1</li> <li>• Autoprefixer updated to 10.4.20</li> <li>• tslib updated to 2.8.1</li> <li>• worker-timers updated to 8.0.13</li> <li>• zone.js updated to 0.15.0</li> </ul>

Key	Version	Summary
TSS-35176	14.0.7	<ul style="list-style-type: none"> <li>• Apache Commons Codec updated to 1.17.2</li> <li>• Apache Commons IO updated to 2.18.0</li> <li>• Apache Commons Text updated to 1.13.0</li> <li>• Apache CXF updated to 4.1.0</li> <li>• Apache HttpComponents Client updated to 5.4.1</li> <li>• Apache HttpComponents Core updated to 5.3.1</li> <li>• Apache Ignite updated to 2.17.0</li> <li>• Apache Log4j updated to 2.24.3</li> <li>• Apache Neethi updated to 3.2.1</li> <li>• Apache Tomcat updated to 10.1.34</li> <li>• Azure Core shared library for Java updated to 1.54.0</li> <li>• Checker Qual updated to 3.48.3</li> <li>• Dropwizard Metrics Core updated to 4.2.30</li> <li>• Eclipse Angus - Mail updated to 2.0.3</li> <li>• Eclipse Jetty updated to 12.0.16</li> <li>• Eclipse Temurin updated to 17.0.14+7</li> <li>• FasterXML/Jackson Annotations updated to 2.18.2</li> <li>• FasterXML/Jackson Core updated to 2.18.2</li> <li>• FasterXML/Jackson Databind updated to 2.18.2</li> <li>• FasterXML/Jackson Dataformat: XML updated to 2.18.2</li> <li>• FasterXML/Jackson Dataformat: YAML updated to 2.18.2</li> <li>• FasterXML/Jackson Datatype: JSR310 updated to 2.18.2</li> <li>• FasterXML/Woodstox updated to 7.1.0</li> <li>• Fifesoft RSyntaxTextArea updated to 3.5.3</li> <li>• Jakarta Activation API updated to 2.1.3</li> <li>• Jakarta Mail updated to 2.1.3</li> <li>• Jakarta SOAP with Attachments API updated to 3.0.2</li> <li>• Jakarta XML Bind API updated to 4.0.2</li> <li>• Jakarta XML Web Services API updated to 4.0.2</li> <li>• JAXB Core updated to 4.0.5</li> <li>• JAXB Runtime updated to 4.0.5</li> <li>• Jaxen updated to 2.0.0</li> <li>• LMAX Disruptor Framework updated to 4.0.0</li> <li>• Micrometer updated to 1.14.3</li> <li>• Microsoft Azure Common Module For Storage updated to 12.28.0</li> <li>• Microsoft Azure Core HTTP Netty updated to 1.15.10</li> <li>• Microsoft Azure Storage Blob client library for Java updated to 12.29.0</li> <li>• Netty updated to 4.1.118.Final</li> <li>• Netty Forked Tomcat Native updated to 2.0.70.Final</li> <li>• Nimbus JOSE + JWT updated to 10.0.1</li> <li>• Oracle Sun Istack Common Utility Code updated to 4.1.2</li> <li>• PostgreSQL JDBC Driver updated to 42.7.5</li> </ul>



Key	Version	Summary
		<ul style="list-style-type: none"> <li>Reactor Core updated to 3.4.41</li> <li>Reactor Netty updated to 1.0.48</li> <li>Spring Framework updated to 6.2.2</li> <li>Swagger updated to 2.2.28</li> <li>The Bouncy Castle Crypto Package For Java updated to 1.80</li> <li>TXW2 Runtime updated to 4.0.5</li> </ul>
TSS-34848	14.0.6	Eclipse Temurin updated to 17.0.13+11
TSS-34831	14.0.6	<ul style="list-style-type: none"> <li>Amazon AWS SDK updated to 2.28.29</li> <li>Apache Commons IO updated to 2.17.0</li> <li>Apache Commons Lang updated to 3.17.0</li> <li>Apache Log4j updated to 2.24.1</li> <li>Apache Tomcat updated to 10.1.31</li> <li>ASM updated to 9.7.1</li> <li>Dropwizard Metrics Core updated to 4.2.28</li> <li>Eclipse Jetty updated to 12.0.14</li> <li>FasterXML/Jackson Core updated to 2.18.0</li> <li>Microsoft Azure Storage Blob client library for Java updated to 12.28.1</li> <li>MigLayout updated to 11.4.2</li> <li>Microsoft JDBC Driver for SQL Server updated to 12.8.1</li> <li>Nimbus JOSE + JWT updated to 9.41.2</li> <li>PostgreSQL JDBC Driver updated to 42.7.4</li> <li>Spring Framework updated to 6.1.14</li> <li>Swagger Annotations updated to 2.2.25</li> </ul>
TSS-34833	14.0.6	<ul style="list-style-type: none"> <li>Angular updated to 18.2.8</li> <li>@ng-idle/core updated to 16.0.0</li> <li>tslib updated to 2.8.0</li> <li>worker-timers updated to 8.0.7</li> </ul>
TSS-34534	14.0.5	Amazon Redshift JDBC driver updated to 2.1.0.30
TSS-34472	14.0.5	Eclipse Temurin updated to 17.0.12+7
TSS-34350	14.0.5	underscore.js updated to 1.13.6

Key	Version	Summary
TSS-34466	14.0.5	<ul style="list-style-type: none"> <li>• Amazon AWS SDK updated to 2.27.9</li> <li>• ANTLR 4 updated to 4.13.2</li> <li>• Apache CXF updated to 4.0.5</li> <li>• Apache Commons CLI updated to 1.9.0</li> <li>• Apache Commons Codec updated to 1.17.1</li> <li>• Apache Commons Lang updated to 3.16.0</li> <li>• Apache Commons Validator updated to 1.9.0</li> <li>• Apache Tomcat updated to 10.1.28</li> <li>• Dropwizard Metrics Core updated to 4.2.27</li> <li>• Eclipse Jetty updated to 12.0.12</li> <li>• FasterXML/Jackson Core updated to 2.17.2</li> <li>• Fifesoft RSyntaxTextArea updated to 3.5.1</li> <li>• Microsoft Azure Storage Blob client library for Java updated to 12.27.0</li> <li>• Microsoft JDBC Driver for SQL Server updated to 12.8.0</li> <li>• MigLayout updated to 11.4</li> <li>• Nimbus JOSE + JWT updated to 9.40</li> <li>• Simple Logging Facade for Java updated to 2.0.16</li> <li>• Spring Framework updated to 6.0.23</li> </ul>
TSS-34469	14.0.5	<ul style="list-style-type: none"> <li>• Angular updated to 18.1.4</li> <li>• Autoprefixer updated to 10.4.20</li> <li>• @ng-idle/core updated to 15.0.0</li> <li>• ngx-toastr updated to 19.0.0</li> <li>• tslib updated to 2.6.3</li> <li>• worker-timers updated to 8.0.4</li> <li>• zone.js updated to 0.14.10</li> </ul>
TSS-33972	14.0.4	Eclipse Temurin updated to 17.0.11+9

Key	Version	Summary
TSS-33968	14.0.4	<ul style="list-style-type: none"> <li>• Amazon AWS SDK updated to 2.25.43</li> <li>• Apache Commons CLI updated to 1.7.0</li> <li>• Apache Commons Codec updated to 1.17.0</li> <li>• Apache Commons IO updated to 2.16.1</li> <li>• Apache Commons Lang updated to 3.14.0</li> <li>• Apache Commons Text updated to 1.12.0</li> <li>• Apache Tomcat updated to 10.1.23</li> <li>• ASM updated to 9.7</li> <li>• Bouncy Castle Crypto APIs updated to 1.78.1</li> <li>• Eclipse Jetty updated to 12.0.8</li> <li>• IO Swagger updated to 2.2.21</li> <li>• IO Swagger Annotations updated to 1.6.14</li> <li>• Jespa updated to 1.2.14</li> <li>• Microsoft Azure Storage Blob client library for Java updated to 12.25.4</li> <li>• PostgreSQL JDBC Driver updated to 42.7.3</li> <li>• Simple Logging Facade for Java updated to 2.0.13</li> <li>• Spring Framework updated to 6.0.19</li> </ul>
TSS-33974	14.0.4	<ul style="list-style-type: none"> <li>• Angular updated to 17.4.3</li> <li>• Autoprefixer updated to 10.4.19</li> <li>• worker-timers updated to 7.1.7</li> </ul>
TSS-33870	14.0.3	Amazon Redshift JDBC driver updated to 2.1.0.26
TSS-33844	14.0.3	<ul style="list-style-type: none"> <li>• Amazon AWS SDK updated to 2.25.9</li> <li>• Apache CXF Core updated to 4.0.4</li> <li>• Apache Log4j updated to 2.23.1</li> <li>• Apache Tomcat updated to 10.1.19</li> <li>• Eclipse Jetty updated to 12.0.7</li> <li>• FasterXML/Jackson Core updated to 2.17.0</li> <li>• FasterXML/Woodstox updated to 6.6.1</li> <li>• Fifesoft RSyntaxTextArea updated to 3.4.0</li> <li>• Microsoft Azure Storage Blob client library for Java updated to 12.25.2</li> <li>• Microsoft JDBC Driver for SQL Server updated to 12.6.1</li> <li>• Spring Framework updated to 6.0.18</li> </ul>
TSS-33846	14.0.3	<ul style="list-style-type: none"> <li>• Angular updated to 17.3.0</li> <li>• autoprefixer updated to 10.4.18</li> <li>• worker-timers updated to 7.1.4</li> <li>• zone.js updated to 0.14.4</li> </ul>
TSS-33658	14.0.2	Amazon Redshift JDBC driver updated to 2.1.0.25

Key	Version	Summary
TSS-33678	14.0.2	Eclipse Temurin updated to 17.0.10+7
TSS-33596	14.0.2	<ul style="list-style-type: none"> <li>• Amazon AWS SDK updated to 2.23.20</li> <li>• Apache Commons IO updated to 2.15.1</li> <li>• Apache Commons Logging updated to 1.3.0</li> <li>• Apache Commons Validator updated to 1.8.0</li> <li>• Apache HttpClient5 updated to 5.3.1</li> <li>• Apache Ignite updated to 2.16.0</li> <li>• Apache Log4j updated to 2.22.1</li> <li>• Apache Tomcat updated to 10.1.18</li> <li>• Dropwizard Metrics Core updated to 4.2.25</li> <li>• Eclipse Jetty updated to 12.0.6</li> <li>• FasterXML/Jackson Core updated to 2.16.1</li> <li>• FasterXML/Woodstox Core updated to 6.6.0</li> <li>• IO Swagger updated to 2.2.20</li> <li>• IO Swagger Annotations updated to 1.6.13</li> <li>• Microsoft Azure Storage Blob client library for Java updated to 12.25.1</li> <li>• MigLayout updated to 11.3</li> <li>• Nimbus JOSE + JWT updated to 9.37.3</li> <li>• PostgreSQL JDBC Driver updated to 42.7.2</li> <li>• Simple Logging Facade for Java updated to 2.0.12</li> <li>• Spring Framework updated to 6.0.16</li> <li>• User Agent Parser for Java updated to 1.6.1</li> </ul>
TSS-33599	14.0.2	<ul style="list-style-type: none"> <li>• Angular updated to 17.1.1</li> <li>• @ng-idle/core updated to 14.0.0</li> <li>• Autoprefixer updated to 10.4.17</li> <li>• ngx-toastr updated to 18.0.0</li> <li>• worker-timers updated to 7.1.1</li> </ul>
TSS-33147	14.0.1	OpenJDK updated to 17.0.9+9

Key	Version	Summary
TSS-33160	14.0.1	<ul style="list-style-type: none"> <li>• Apache Commons CLI updated to 1.6.0</li> <li>• Apache CXF Core updated to 4.0.3</li> <li>• Apache Log4j updated to 2.21.1</li> <li>• Apache Tomcat updated to 10.1.16</li> <li>• Amazon AWS SDK updated to 2.20.143</li> <li>• ASM updated to 9.6</li> <li>• Azure Blob Storage updated to 12.25.0</li> <li>• Bouncy Castle updated to 1.77</li> <li>• Dropwizard Metrics Core updated to 4.2.22</li> <li>• Eclipse Jetty updated to 12.0.3</li> <li>• FasterXML Jackson Core updated to 2.15.3</li> <li>• Jakarta XML Web Services API updated to 4.0.1</li> <li>• MiGLayout Swing updated to 11.2</li> <li>• Nimbus JOSE JWT updated to 9.37.1</li> <li>• Spring Framework updated to 6.0.13</li> <li>• Swagger Annotations updated to 1.6.12</li> <li>• Swagger Core V3 updated to 2.2.19</li> </ul>
TSS-32630	14.0.0	Apache CXF updated to 4.0.2
TSS-31513	14.0.0	Jespa updated to 1.2.13
TSS-32890	14.0.0	Redshift JDBC driver updated to 2.1.0.18

Key	Version	Summary
TSS-32774	14.0.0	<ul style="list-style-type: none"> <li>• Amazon AWS SDK updated to 2.20.143</li> <li>• ANTLR 4 updated to 4.13.1</li> <li>• Apache Ignite updated to 2.15.0</li> <li>• Apache Tomcat updated to 10.1.15</li> <li>• Azure Blob Storage updated to 12.23.1</li> <li>• Dropwizard Metrics Core updated to 4.2.19</li> <li>• Eclipse Jetty updated to 12.0.1</li> <li>• FasterXML/Jackson Core updated to 2.15.2</li> <li>• HttpClient updated to 4.5.14</li> <li>• Jakarta Annotations updated to 2.1.1</li> <li>• Jakarta Messaging API updated to 3.1.0</li> <li>• Jakarta RESTful Web Services updated to 4.0.0</li> <li>• Jakarta Servlet API updated to 6.0.0</li> <li>• Jakarta Websocket API updated to 2.1.1</li> <li>• Jakarta XML Binding (JAXB) updated to 3.0.2</li> <li>• RSyntaxTextArea updated to 3.3.4</li> <li>• Simple Logging Facade for Java updated to 2.0.9</li> <li>• SnakeYAML updated to 2.2</li> <li>• Spring Framework updated to 6.1.2</li> <li>• Swagger Annotations updated to 1.6.11</li> </ul>
TSS-32777	14.0.0	<ul style="list-style-type: none"> <li>• Angular updated to 16.2.4</li> <li>• autoprefixer updated to 10.4.15</li> <li>• @ng-idle/core updated to 13.0.0</li> <li>• ngx-toastr updated to 17.0.2</li> <li>• tslib updated to 2.6.2</li> <li>• worker-timers updated to 7.0.75</li> <li>• zone.js updated to 0.13.1</li> </ul>
TSS-32231	14.0.0	<ul style="list-style-type: none"> <li>• HttpComponents HttpClient version 5.2.1 added</li> <li>• HttpComponents HttpCore version 5.2 added</li> </ul> <p><b>Note:</b> AWS S3 integration still has a dependency on version 4.x.</p>

## Closed Issues

The table lists closed issues in version 14.0 of Spotfire Server.

Key	Version	Summary
TSS-35356	14.0.8	The event field <code>original_ip</code> is not being logged in the user action log for some library operations initiated by a Spotfire client, for example, <code>action=load_content</code> .
TSS-35406	14.0.8	The node manager sometimes writes incorrect messages saying "Server not started yet" to the <code>nm.log</code> file.
TSS-35410	14.0.8	The default for <code>DataBlockStorage_MemoryLoadExhaustedLimit</code> is incorrect in the <i>Spotfire Server and Environment - Installation and Administration</i> manual. It says 98 but the actual default is 90.
TSS-35412	14.0.8	When you try to upgrade the Spotfire Server from versions before 12.0, the upgrade fails to complete because of long running queries.
TSS-35425	14.0.8	There is a mismatch between the Jetty <code>idleTimeout</code> and the Spotfire Server's connection keep-alive time, due to persistent HTTP connections. The default value for the Jetty <code>idleTimeout</code> is 30 seconds, while the server's keep-alive time is 300 seconds. This difference seems to cause the idle socket connections managed by Jetty to enter a draining phase, where incoming requests are allowed, but the output stream is shut down.
TSS-35469	14.0.8	Import of Information Services elements to the library takes a significantly longer time compared to import in versions before Spotfire 12.0.x, particularly when using PostgreSQL for the Spotfire Database.
TSS-35485	14.0.8	Export of library items is sometimes slow when there are lot of dependencies.
TSS-35542	14.0.8	If the number of rows used to filter an on-demand information link exceeds 1000 rows, the information link fails to load any data.
TSS-34962	14.0.7	When there are network communication issues in your environment, the status of a scheduled updates job sometimes seems to get stuck. <b>Note:</b> The Web Player service must also be updated for this fix to work properly.
TSS-34979	14.0.7	An Automation Services job does not run on a correct scheduled time after a daylight saving time (DST) transition.
TSS-34982	14.0.7	The <code>find-analysis-scripts</code> command does not properly trust custom queries containing horizontal tab characters.
TSS-35025	14.0.7	Illegal CPU values from service instances can sometimes overwrite correct values, causing incorrect information to be shown.
TSS-35056	14.0.7	Data uploads to the Spotfire Server cannot be partially retried.
TSS-35074	14.0.7	In some cases, the language used by the Spotfire database user can prevent the Spotfire Server from starting.

Key	Version	Summary
TSS-35107	14.0.7	When you copy library items with dependencies to each other (such as an analysis and an information link), sometimes the original library item starts to reference the copied library item instead of the original one.
TSS-35141	14.0.7	The <code>import-rules</code> CLI command sometimes times out when you are importing a large number of rules.
TSS-35227	14.0.7	You cannot re-configure encryption using the <code>config-encryption</code> command if library versioning is disabled and there are Information Services data sources in the library. Also, you cannot delete library versions if versioning is disabled.
TSS-35229	14.0.7	<p>When migrating the <code>LIB_DATA</code> table using the <code>migrate-db</code> CLI command, performance can be slower compared to other tables of the same row size when using external library storage. This is due to a low JDBC insertion batch size.</p> <p>Two new arguments have been added to the <code>migrate-db</code> CLI command which lets you specify the batch sizes for normal and LOB tables. These can be used to improve the insertion speed in some situations.</p> <p><b>Note:</b> The target database must be configured properly to be able to handle, for example, large insertions of LOB values for larger (LOB) batch sizes.</p>
TSS-35274	14.0.7	The CLI command <code>check-external-library</code> can take a long time to finish when there are a large number of items in the library.
TSS-34673	14.0.6	Sorting the <i>Last Status</i> column in the Scheduling & Routing, Rules page does not work correctly.
TSS-34675	14.0.6	An information link marked as a library favorite might sometimes fail during execution.
TSS-34676	14.0.6	The <i>Rows per page</i> value resets to the default value when a table in the Spotfire Server web administration pages uses pagination and the data in the table is reloaded.
TSS-34677	14.0.6	Special characters are escaped twice when you execute an information link with multiple columns, using an on-demand configuration, if a string value contains an escape character added to a temporary table.
TSS-34678	14.0.6	Browsing the library can be unnecessarily slow when there is a large number of properties in the library.
TSS-34679	14.0.6	When creating a new schedule in the <i>Scheduling &amp; Routing</i> pages, the default time zone selected is the server time zone and not the browser time zone.
TSS-34701	14.0.6	Library imports can become very slow if many of the imported items were created or last modified by a user account that is no longer enabled (especially if the Spotfire Server is configured to use LDAP as the user directory backend).
TSS-34798	14.0.6	Certain error pages might be susceptible to spoofing.



Key	Version	Summary
TSS-34858	14.0.6	<p>When you access an information link using either on-demand or prompting and you provide more than 1000 input values, some special characters (* ? ; \) are not handled correctly.</p> <ul style="list-style-type: none"> <li>• ? and * characters in input from on-demand or single/multiple selection prompts are incorrectly interpreted as wildcards.</li> <li>• ; and \ characters in input from on-demand or any prompt type result in errors or missing data.</li> </ul> <p>This fix requires that you install version 14.0.6 of Spotfire Server and 14.0.5 of the Spotfire client.</p> <p>If you only apply the 14.0.5 service pack for the Spotfire client, you might encounter the following issues for input that exceeds 1000 values:</p> <ul style="list-style-type: none"> <li>• ? in input from on-demand or a single/multiple selection prompt results in an error.</li> <li>• \ in input from on-demand or any prompt type might result in an error.</li> <li>• ; in input from on-demand or any prompt type returns no data.</li> </ul>
TSS-34861	14.0.6	If you use an incorrect connection URL, username, or password with the <code>validate-data-source</code> CLI command, no error is shown.
TSS-34864	14.0.6	The <i>Duration</i> column is not visible in the <i>Scheduling &amp; Routing, Rules</i> , table.
TSS-34866	14.0.6	User action log entries for library operations initiated by some clients are missing a session ID value.
TSS-34875	14.0.6	Upgrading the Spotfire Server from a version before 11.5 to version 11.5 or later fails under specific conditions.
TSS-34895	14.0.6	Revoked access tokens can in some cases continue to work after revocation because of caching.
TSS-34911	14.0.6	When you edit the properties of a favorite-marked information link from Information Designer, the favorite count is removed from the library user interface.
TSS-34922	14.0.6	Users cannot be found through SCIM when filtering on the <code>userName</code> attribute, if the username is in the format of an email address.
TSS-34924	14.0.6	Browsing the Spotfire library might be slower than necessary when the library contains items with a large number of properties.
TSS-34943	14.0.6	The <i>companyURL</i> defined in the cobranding package is shown on the <i>About</i> page, but you are not redirected to that URL when you click on it.
TSS-34225	14.0.5	If an administrator user has logged in to the Spotfire Server web administration pages and viewed the diagnostics for a specific Web Player instance, and then try to access an analysis or something else that needs a proper Kerberos session, the credentials for a service account is used instead of the personal credentials.
TSS-34227	14.0.5	A potentially invalid warning about an incompatible Oracle JDBC driver can sometimes be shown during upgrade.
TSS-34228	14.0.5	On the <i>Scheduling &amp; Routing, Rules</i> page, filtering based on a resource pool with a name containing spaces does not work.

Key	Version	Summary
TSS-34229	14.0.5	In some scenarios, Scheduled Updates unload events are displayed as "External rule".
TSS-34230	14.0.5	Scheduled updates unload events are sometimes shown as <code>IN_PROGRESS</code> when you cancel or unload a scheduled update, even if the unload was completed successfully.
TSS-34232	14.0.5	If you have configured a default join database for Information Services, using a TIBCO-branded DataDirect JDBC driver for the connection, it is not possible to upgrade Spotfire Server if the data source template for the driver is disabled.
TSS-34245	14.0.5	It is not possible to validate an Information Services data source template if the JDBC driver <code>.jar</code> file is installed to both the <code>custom-ext</code> and <code>custom-ext-informationsservices</code> directories.
TSS-34277	14.0.5	An error occurs after logging in if the Login RSS feed contains an item without a <i>title</i> element.
TSS-34299	14.0.5	If you edit the SQL statement of an information link that uses data from a stored procedure, it is not possible to use the information link unless there is a writeable data source.
TSS-34319	14.0.5	A downloaded Troubleshooting Bundle can sometimes be incomplete due to timeouts when fetching data from other nodes.
TSS-34331	14.0.5	Information Services elements cannot be imported when Oracle is used as the Spotfire Server database and the library versioning feature is enabled, unless versioning of Information Services elements is also enabled.
TSS-34387	14.0.5	When a password policy is activated and a user provides a password that is shorter or longer than the policy's specified length, the system returns "Internal server error". Instead, an error message which explains the mismatch against the policy should be shown.
TSS-34389	14.0.5	The CLI command <code>config-action-log-database-logger</code> does not work as intended when using integrated authentication (it prompts for username and password).
TSS-34390	14.0.5	When shutting down a service, errors regarding failure of OCSP checks can be seen in the node manager log.
TSS-34409	14.0.5	A message that only concerns upgrades from version 11.7 and earlier, informing about the removal of support for using the Spotfire database as the default join database, is shown when upgrading Spotfire from later versions.
TSS-34537	14.0.5	Uploading a DXP file using the API fails because the zip reader is relying on the byte count being accurate in the zip metadata. Instead of using the metadata, all data should be read directly from the zip file itself.
TSS-34544	14.0.5	The OAuth2 end-user consent page does not show descriptions for all the API scopes.
TSS-34552	14.0.5	Loading library properties and content for required library items takes too long time. For example, this can happen when executing an information link with many elements.
TSS-34590	14.0.5	When a Spotfire Server instance is restarted, a Web Player instance can, in certain situations, fail to reestablish a working WebSocket connection.

Key	Version	Summary
TSS-34605	14.0.5	When using a cobranding package with a custom Login page, all attributes other than <i>src</i> and <i>type</i> that are specified for script tags in the custom Login page template are missing from the rendered page.
TSS-33939	14.0.4	If auto-trust of nodes is enabled, a node will not be automatically re-trusted if it cannot establish trust with the server and it looks like the server already trusts it.
TSS-33952	14.0.4	OpenID Connect authentication might break in browsers that are using the experimental feature Private Network Access, even if the feature is in warning-only mode.
TSS-33978	14.0.4	There is no information in the <i>Spotfire Server and Environment - Installation and Administration</i> guide about how to revert to the previous routing used before the changes done in <i>Improved queue management and routing for scheduled updates</i> .  Instructions for how to revert have now been added in <a href="#">Reverting to the previous routing behavior</a> .
TSS-33997	14.0.4	When execution of an information link has failed, the validation that happens afterwards takes a longer time than necessary if metadata cannot be fetched because of insufficient data source permissions.
TSS-34032	14.0.4	The Spotfire Server cannot import visualization mods created using version 14.4.0 or later.
TSS-34038	14.0.4	When multiple Web Player analyses are opened simultaneously in the same user session, some analyses might lose URL query parameters. For example, this can be customization parameters when using the Web Player JavaScript API.
TSS-34044	14.0.4	Spotfire for Apple iOS, Spotfire for Android and Spotfire Analytics for macOS cannot connect to a Spotfire Server configured for username/password authentication if HTTP Basic authentication is disabled.
TSS-34124	14.0.4	In some cases, the Spotfire Server library.log does not include all information needed, for example, the username, for each log entry.
TSS-34126	14.0.4	It is not possible to delete more than 1000 library items in one operation when you use AWS S3 external storage.
TSS-34177	14.0.4	The Spotfire Server does not support <code>postMessage</code> as method for transferring the OAuth code to a data connector when using OAuth authentication.
TSS-34182	14.0.4	When you search for rules in the <i>Scheduling &amp; Routing</i> page of the Spotfire Server web administration pages, rules with names that contain an underscore character do not show up in the search results.
TSS-34183	14.0.4	Library uploads using the Library REST API v2 occasionally fail in clustered Spotfire Server deployments.
TSS-33803	14.0.3	Automatic renewal of node certificates issued by the Spotfire Server before version 14.0 does not work.
TSS-33816	14.0.3	When you install a second worker host for a Web Player or Automation Services service on the same node manager on Windows, a non-default port is used (even if the default port, 9501, was suggested when installing).

Key	Version	Summary
TSS-33818	14.0.3	Backend sessions are unnecessarily clustered, leading to longer delays than needed.
TSS-33865	14.0.3	The Spotfire node manager on Linux cannot be upgraded to the current version from versions before 12.5.0.
TSS-33898	14.0.3	When upgrading the node manager via SDN files on Linux, the <code>log4j2</code> files do not notice the changes.
TSS-33328	14.0.2	The Spotfire client and the Spotfire Server represent certificate names in different ways. This different representation can cause problems when the certificates need to match exactly.
TSS-33451	14.0.2	In some cases, loading an information link with a large number of elements (for example, columns) takes a very long time, because they are loaded one by one for caching purposes.
TSS-33453	14.0.2	If you perform a search in the Library Browse page of the Spotfire Server web pages, and the search returns a count that exceeds the 100 search results threshold, then no message is displayed.
TSS-33512	14.0.2	When re-authentication is triggered due to an absolute session timeout or due to Kerberos credentials that are about to expire, the Web Player session closes.
TSS-33517	14.0.2	In environments with a <i>very</i> large number of services and/or many executions of scheduled updates or jobs, the number of "empty" database transactions is unnecessarily high, and so is the load on the database.
TSS-33539	14.0.2	If the encryption password is lost, the internal code trust Certificate Authority is reset.
TSS-33549	14.0.2	The SCIM response does not include the multi-valued <code>Groups</code> attribute.
TSS-33569	14.0.2	In the upgrade tool, the information about the option <i>Probe Microsoft SQL Server data sources</i> is misleading.
TSS-33640	14.0.2	Data sources are not being probed even when the probing check box is selected in the Summary step view of the upgrade process.
TSS-33642	14.0.2	Kerberos is not working as expected when delegating credentials from the Spotfire Server to the Web Player service.
TSS-33651	14.0.2	Issues with PostgreSQL non-public schema cause a failure in the database verifier.
TSS-33653	14.0.2	Loading library properties for a required library item takes too long time.
TSS-33699	14.0.2	In Webkit browsers (such as Chrome and Edge), the scrollbar displays top and bottom arrows everywhere where a table is displayed, even when the arrows are not required.
TSS-33702	14.0.2	The <i>Run on instance</i> field in the <i>Activity details</i> dialog for an Automation Services job shows the service ID instead of the instance ID.

Key	Version	Summary
TSS-33705	14.0.2	It is not possible to generate an update script for SQL Server data sources in Information Services, neither with the CLI command <code>sqlserver-datasource-update-script</code> nor while upgrading Spotfire Server, if there are data sources that have no connection properties set.
TSS-33099	14.0.1	<p>Generating a troubleshooting bundle takes a long time when a large amount of rows are returned from the user directory, specifically when using Oracle as the database. With this fix, Spotfire Server database queries now use a fetch size of 1024 to improve performance.</p> <p>This value can be changed by setting the jdbc connection property <code>spotfire.pooling.data.source.fetch-size</code> to another value. Specify the value '0' to use the driver default, in, for example, the <code>bootstrap</code> command.</p>
TSS-33156	14.0.1	Certificates with a DN (distinguished name) attribute containing a DC (domain component) cannot be trusted.
TSS-33183	14.0.1	In certain scenarios, a bookmark can display required items that no longer exist in the library. If a client queries those items and none is found, an error is returned to the client.
TSS-33189	14.0.1	The documentation of the SCIM API incorrectly shows an uppercase V (for "version") in path examples for the SCIM API.
TSS-33239	14.0.1	When Information Services is run as an external process (the default), and one or more (online) Spotfire Server nodes have IPv6 addresses configured, the Spotfire Server fails to start.
TSS-33240	14.0.1	If the initialization of the Apache Ignite fails during startup, Spotfire Server can record an error showing that an attempt to unlock a lock that is not locked has failed.
TSS-33247	14.0.1	Upgrading from a version before Spotfire Server version 12.0, using a Microsoft SQL Server database that has, at some point, been restored from a backup, can leave certain foreign key constraints in the database that should have been removed. These unwanted constraints prevent the server from starting, with an error message about "Unexpected constraint for table" in the file <code>server.log</code> .
TSS-33277	14.0.1	In the help topic about using an identity provider with Information Services, a configuration example is missing a closing tag.
TSS-33282	14.0.1	You cannot upload Spotfire mods through the Library REST API.
TSS-32332	14.0.0	When running the upgrade tool on Windows as an administrator, the <code>upgrade-issues.html</code> file is not created as expected.
TSS-32515	14.0.0	You cannot remove an item as a favorite using the context menu in the Favorites view of the library.
TSS-32632	14.0.0	The help for the command-line command <code>migrate-db</code> does not contain information regarding changes to server trust defaults in connections with Microsoft JDBC drivers for SQL Server.
TSS-32633	14.0.0	When creating a Spotfire Server database for Oracle using the <code>create-db</code> command, temp space and tablespace are created as expected but there are additional dots in the data file names: <code>..DBF</code> instead of <code>.DBF</code> .

Key	Version	Summary
TSS-32634	14.0.0	In the help file for configuring Spotfire Server for cross-domain identity management (SCIM), the base URL for the SCIM APIs and the example URL are incorrect: they do not include <code>/rest/</code> in the path.
TSS-32637	14.0.0	The help for migrating an Oracle database does not include information about downloading the new <code>.jar</code> file and putting the file in the <code>custom-ext</code> folder.
TSS-32639	14.0.0	In Scheduling & Routing, the Rules in the Schedule column are displayed in an unexpected order, both for days and for times of day.
TSS-32642	14.0.0	In the CLI reference topic <code>create-actionlogdb</code> , the example section "Create Spotfire database schema with Azure" is displayed twice.
TSS-32671	14.0.0	Multiple entries of 'Removed at <code>&lt;date time year&gt;</code> ' are added to the names of data sources in the logs, when the data sources are idle due to the configuration of <code>information-services.data-sources.max-idle-time-minutes</code> .
TSS-32711	14.0.0	Embedding Spotfire version 12.0 or later using the JavaScript API results in higher request latency.
TSS-32745	14.0.0	The login timeout for Information Services data sources is always 10 seconds, even when you specify a different login timeout with a connection property in the data source template.
TSS-32795	14.0.0	An exception occurs while saving a file in the Spotfire library using the public APIs for Multipart file upload.
TSS-32832	14.0.0	References between library items (such as information links and data sources) are not updated properly when items are being copied.
TSS-32873	14.0.0	The help topic for the command-line command <code>delete-library-versions</code> shows the option <code>--search-query</code> default value surrounded by single quotation marks. This query requires double quotation marks.
TSS-32878	14.0.0	When Microsoft SQL Server is used as the Spotfire database, the generated SQL for library searches has the wrong syntax when searching for the following: <ol style="list-style-type: none"> <li>1. users with a domain</li> <li>2. using exact match</li> </ol> As a consequence of this, analysis states for the users on the Web Player cannot be retrieved.
TSS-32880	14.0.0	On the <i>Monitoring &amp; Diagnostics, Instance</i> page, in the <i>Information</i> table, sorting the data on the <i>Total data table cells</i> or <i>Total document node count</i> columns yields incorrect results.
TSS-32881	14.0.0	If an analysis has special characters in its path, and the administrator closed the analysis from Monitoring & Diagnostics, the user is not directed to the correct ("Closed Analysis") page.
TSS-32909	14.0.0	User action log events for the category "scheduled_updates" actions "rule_schedule" and "schedule_change" do not contain the rule "libraryId" as Id2, as described in the documentation.  (The category "scheduled_updates" action "adjust_ratio" now has "ruleId" as Id1 where available.)

Key	Version	Summary
TSS-32935	14.0.0	If you use a post authentication filter, Spotfire also applies the filter for Information Services when you run it as its own subprocess. This is unnecessary, and causes issues if you have not added the filter . jar file to the directory <code>custom-ext-information-services</code> .
TSS-32943	14.0.0	If Information Services does not find a driver for the data source when the test connection is made, an exception is thrown.
TSS-32995	14.0.0	The documentation states that JDBC drivers for Information Services are automatically copied to the new extensions directory <code>custom-ext-information-services</code> when you upgrade from Spotfire versions earlier than 12.1.
TSS-33537	14.0.0	In the help topic for <code>config-external-information-services-process</code> , the default value for <code>--max-memory=value</code> is listed as 512M instead of 1024M.

# Known Issues

The following are known issues in version 14.0 of Spotfire Server:

Key	Version	Summary
TSS-34402	14.0.4	<p><b>Unknown item type on upgrade</b></p> <p>When you upgrade the Spotfire Server from 14.0.4 or 14.0.5 to 14.4.0, Spotfire Analyst closes unexpectedly when trying to connect the client to the upgraded server, with the error "Illegal argument. The item type spotfire.visualizationmod is not known."</p> <p><b>Workaround:</b> Execute the SQL script of the correct type on your Spotfire database.</p> <p><b>For PostgreSQL:</b></p> <pre> alter table TRUSTED_CODE_ENTITIES drop constraint if exists FK_TRUSTED_CODE_ENTITIES1;  update TRUSTED_CODE_ENTITIES set TRUSTED_TYPE = ' visualization_mod' where TRUSTED_TYPE = 'mod';  update CT_CODE_ENTITIES set TYPE = 'visualization_mod' where TYPE = 'mod';  alter table TRUSTED_CODE_ENTITIES add constraint FK_TRUSTED_ CODE_ENTITIES1 FOREIGN KEY (TRUSTED_TYPE, TRUSTED_HASH) references CT_CODE_ENTITIES (TYPE, HASH) on update no action on delete cascade;  update LIB_ITEM_TYPES set LABEL = 'visualizationmod' where TYPE_ID = 'eea7fff3-14a0-4ac3-9c33-8c58294273e3';  update LIB_ITEM_TYPES set DISPLAY_NAME = 'Visualization Mod' where TYPE_ID = 'eea7fff3-14a0-4ac3-9c33-8c58294273e3';  delete from LIB_ITEM_TYPES where TYPE_ID = 'f4eb6968-c0db- 4374-bc0b-c2e968bc56b1';  insert into LIB_ITEM_TYPES (TYPE_ID, LABEL, LABEL_PREFIX, DISPLAY_NAME, IS_CONTAINER, FILE_SUFFIX, MIME_TYPE) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 'actionmod', ' spotfire', 'Action Mod', 0, 'mod', 'application/octet-stream' );  update LIB_APPLICATIONS set APPLICATION_NAME = 'client. export.mod' where APPLICATION_ID = 28;  update LIB_APPLICATIONS set APPLICATION_NAME = 'client. import.mod' where APPLICATION_ID = 29;  delete from LIB_VISIBLE_TYPES where TYPE_ID = 'f4eb6968-c0db- 4374-bc0b-c2e968bc56b1'; </pre>



Key	Version	Summary
		<pre> insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 1);  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 3);  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 6);  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 9);  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 20);  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 21);  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 28); </pre>
		<p><b>For Oracle:</b></p> <pre> BEGIN     EXECUTE IMMEDIATE 'alter table TRUSTED_CODE_ENTITIES drop constraint FK_TRUSTED_CODE_ENTITIES1'; EXCEPTION     WHEN OTHERS THEN         IF SQLCODE != -2443 THEN             RAISE;         END IF; END; /  update TRUSTED_CODE_ENTITIES set TRUSTED_TYPE = ' visualization_mod' where TRUSTED_TYPE = 'mod'; /  update CT_CODE_ENTITIES set TYPE = 'visualization_mod' where TYPE = 'mod'; /  alter table TRUSTED_CODE_ENTITIES add constraint "FK_TRUSTED_ CODE_ENTITIES1" foreign key ("TRUSTED_TYPE", "TRUSTED_HASH" ) references "CT_CODE_ENTITIES" ("TYPE", "HASH") on delete cascade; /  update LIB_ITEM_TYPES set LABEL = 'visualizationmod' where TYPE_ID = 'eea7fff3-14a0-4ac3-9c33-8c58294273e3'; / </pre>

Key	Version	Summary
		<pre> update LIB_ITEM_TYPES set DISPLAY_NAME = 'Visualization Mod' where TYPE_ID = 'eea7fff3-14a0-4ac3-9c33-8c58294273e3'; /  delete from LIB_ITEM_TYPES where TYPE_ID = 'f4eb6968-c0db-4374-bc0b-c2e968bc56b1'; /  insert into LIB_ITEM_TYPES (TYPE_ID, LABEL, LABEL_PREFIX, DISPLAY_NAME, IS_CONTAINER, FILE_SUFFIX, MIME_TYPE) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 'actionmod', 'spotfire', 'Action Mod', 0, 'mod', 'application/octet-stream'); /  update LIB_APPLICATIONS set APPLICATION_NAME = 'client.export.mod' where APPLICATION_ID = 28; /  update LIB_APPLICATIONS set APPLICATION_NAME = 'client.import.mod' where APPLICATION_ID = 29; /  delete from LIB_VISIBLE_TYPES where TYPE_ID = 'f4eb6968-c0db-4374-bc0b-c2e968bc56b1'; /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 1); /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 3); /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 6); /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 9); /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 20); /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 21); / </pre>

Key	Version	Summary
		<pre> insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 28); /  insert into LIB_VISIBLE_TYPES (TYPE_ID, APPLICATION_ID) values ('f4eb6968-c0db-4374-bc0b-c2e968bc56b1', 29); / </pre> <p><b>For Microsoft SQL Server:</b></p> <pre> if exists (select (1) from SYS.FOREIGN_KEYS where OBJECT_ID = OBJECT_ID('FK_TRUSTED_CODE_ENTITIES1') and PARENT_OBJECT_ID = OBJECT_ID('TRUSTED_CODE_ENTITIES')) EXEC('alter table TRUSTED_CODE_ENTITIES drop constraint FK_TRUSTED_CODE_ENTITIES1'); go  update TRUSTED_CODE_ENTITIES set TRUSTED_TYPE = ' visualization_mod' where TRUSTED_TYPE = 'mod'; go  update CT_CODE_ENTITIES set TYPE = 'visualization_mod' where TYPE = 'mod'; go  alter table TRUSTED_CODE_ENTITIES add constraint "FK_TRUSTED_ CODE_ENTITIES1" foreign key ("TRUSTED_TYPE", "TRUSTED_HASH") references "CT_CODE_ENTITIES" ("TYPE", "HASH") on update no action on delete cascade; go  update LIB_ITEM_TYPES set LABEL = 'visualizationmod' where TYPE_ID = 'eea7fff3-14a0-4ac3-9c33-8c58294273e3'; go  update LIB_ITEM_TYPES set DISPLAY_NAME = 'Visualization Mod' where TYPE_ID = 'eea7fff3-14a0-4ac3-9c33-8c58294273e3'; go </pre>
TSAS-1123	14.0.0	<p><b>Encrypting services' configuration files not supported on Linux</b></p> <p>You cannot encrypt configuration files for Automation Services and Web Player Services on Linux.</p> <p><b>Workaround:</b> None</p>
TSS-26972	14.0.0	<p><b>Java changes affect updating node manager from 10.9 to 10.10 or later</b></p> <p>Updating the node manager from Nodes &amp; Services from a 10.9 or earlier release to a 10.10 release or later is not supported due to updated Java versions.</p> <p><b>Workaround:</b> To update the node manager to version 10.10 or later, you must install it on each computer, and then run the node manager upgrade tool.</p>

Key	Version	Summary
TSS-29819	14.0.0	<p><b>Users authenticated through Kerberos with delegation require special handling for accessing certain services</b></p> <p>In the following situations, Spotfire users cannot view certain analysis files in the web client:</p> <ul style="list-style-type: none"> <li>The user is authenticated using Kerberos with delegation.</li> <li>The user wants to view an analysis that accesses a TERR service node.</li> </ul> <p><b>Workaround:</b> Give Read permission for the private key of the Web Player Node certificate to users.</p> <p>Procedure:</p> <ol style="list-style-type: none"> <li>On the computer running the Web Player node manager, open a command window as an administrator.</li> <li>Enter <code>mmc</code>.</li> <li>In the Console dialog box that opens, click <b>File &gt; Add/Remove &gt; Snap-ins</b>.</li> <li>In the Add or Remove Snap-ins dialog box, select <b>Certificates</b>, and then click <b>Add</b>.</li> <li>In the Certificates snap-in dialog box, select <b>Computer account</b>, and then click <b>Next</b>.</li> <li>In the Select Computer dialog box, click <b>Finish</b>.</li> <li>In the Add or Remove Snap-ins dialog box, click <b>OK</b>.</li> <li>In the Console Root window, click <b>Certificates (Local Computer)</b> to view the certificate stores for the computer.</li> <li>Go to <b>Certificates (Local Computer) \ Personal \ Certificates</b>, and then right-click the certificate that was issued by "TIBCO Spotfire Signing CA".</li> <li>Select <b>All Tasks &gt; Manage Private Keys</b>.</li> <li>In the Permissions dialog box, under <b>Group or user names</b>, select a group that contains all Spotfire users that need to run analyses using the TERR service.</li> <li>Under <b>Permissions for Name</b>, select the Allow check box in the <b>Read</b> row, and then click <b>OK</b>.</li> <li>In the Spotfire administration interface or in the Windows Services dialog box, restart the Web Player node.</li> </ol>
TSS-30350	14.0.0	<p><b>Very high display resolution affects ability to repair or uninstall Spotfire Server</b></p> <p>Repair or uninstallation of the Spotfire Server and/or the node manager does not work on computers with a high display resolution, such as 3840 x 2160 pixels. The repair/uninstall dialogs in the installers are not shown as expected and there is no way to proceed with the repair/uninstallation.</p> <p><b>Workaround:</b> Temporarily switch to a lower display resolution, such as 1920 x 1080 pixels.</p>
TSS-30734	14.0.0	<p><b>Proxy server configuration</b></p> <p>When using a proxy server between the Spotfire Server and a Web Player or Automation Services service deployed on Linux, the services will use the operating system proxy configuration. Only the username and password for the proxy can be configured in the configuration files of the services.</p> <p><b>Workaround:</b> None</p>

Key	Version	Summary
TSS-32020	14.0.0	<b>Exception during CDK upgrade</b> You can see the error message "Database connection is not using a valid certificate" during a containerized Spotfire (CDK) upgrade. A nonvalid certificate causes the CDK upgrade to fail. <b>Workaround:</b> To upgrade the CDK, you must either trust the certificate or set the flag <code>encrypt=false</code> in the connection string.
TSS-33260	14.0.0	<b>Wrong message sometimes shown when running create-db command</b> When executing the <code>create-db</code> command, if the root folder argument is not provided, the user sees the message <code>"-root-folder"</code> instead of <code>"-oracle-rootfolder"</code> .

# Migration and Compatibility

---

The documentation contains detailed instructions for migrating from a previous release.

## Spotfire Server

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

### **Important: Upgrading from versions earlier than 14.0.8 and 14.5.0**

When you upgrade to this version of Spotfire from a version before 14.0.8 (clients before 14.0.7) or 14.5.0, you must upgrade Spotfire Server before you deploy and upgrade the clients and services to version 14.0.7 or 14.5.0 or later. Before you upgrade, see [Upgrading to 14.0.8 or 14.5.0: New license management](#).

### **Important: Upgrading from versions earlier than Spotfire 12.3**

In Spotfire version 12.3, the included Microsoft JDBC Driver for SQL Server was upgraded to a version with important changes to the default settings for encryption. If you upgrade Spotfire from a version earlier than 12.3, and you use the Microsoft JDBC Driver for SQL Server in your environment (to connect to the Spotfire database, the action logging database, Information Services data sources, or the default join database), before you upgrade Spotfire, read the following topic: [Upgrading to 12.3 and later: Fixing Microsoft SQL Server JDBC driver-related issues](#)

### **Important: Applying version-specific hotfixes.**

As of Spotfire Server version 10.3.0, server hotfixes can be applied only on the specific service pack version that they are created for. 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

Version 14.0 of Spotfire Automation Services should be installed for compatibility with version 14.0 of Spotfire.

For instructions on how to upgrade to version 14.0 Spotfire Automation Services, see "Updating Services" in the *Spotfire Server and Environment - Installation and Administration help*.

## Spotfire Qualification

Version 14.0 of Spotfire Qualification should be installed for compatibility with version 14.0 of Spotfire.

For instructions on how to upgrade to version 14.0 of Spotfire Qualification, see the [Spotfire Qualification - Installation Guide](#).

# Spotfire Documentation and Support Services

---

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>.

## Legal and Third-Party Notices

---

SOME CLOUD SOFTWARE GROUP, INC. ("CLOUD SG") SOFTWARE AND CLOUD SERVICES EMBED, BUNDLE, OR OTHERWISE INCLUDE OTHER SOFTWARE, INCLUDING OTHER CLOUD SG SOFTWARE (COLLECTIVELY, "INCLUDED SOFTWARE"). USE OF INCLUDED SOFTWARE IS SOLELY TO ENABLE THE FUNCTIONALITY (OR PROVIDE LIMITED ADD-ON FUNCTIONALITY) OF THE LICENSED CLOUD SG SOFTWARE AND/OR CLOUD SERVICES. THE INCLUDED SOFTWARE IS NOT LICENSED TO BE USED OR ACCESSED BY ANY OTHER CLOUD SG SOFTWARE AND/OR CLOUD SERVICES OR FOR ANY OTHER PURPOSE.

USE OF CLOUD SG SOFTWARE AND CLOUD SERVICES IS SUBJECT TO THE TERMS AND CONDITIONS OF AN AGREEMENT FOUND IN EITHER A SEPARATELY EXECUTED AGREEMENT, OR, IF THERE IS NO SUCH SEPARATE AGREEMENT, THE CLICKWRAP END USER AGREEMENT WHICH IS DISPLAYED WHEN ACCESSING, DOWNLOADING, OR INSTALLING THE SOFTWARE OR CLOUD SERVICES (AND WHICH IS DUPLICATED IN THE LICENSE FILE) OR IF THERE IS NO SUCH LICENSE AGREEMENT OR CLICKWRAP END USER AGREEMENT, THE LICENSE(S) LOCATED IN THE "LICENSE" FILE(S) OF THE SOFTWARE. USE OF THIS DOCUMENT IS SUBJECT TO THOSE SAME TERMS AND CONDITIONS, AND YOUR USE HEREOF SHALL CONSTITUTE ACCEPTANCE OF AND AN AGREEMENT TO BE BOUND BY THE SAME.

This document is subject to U.S. and international copyright laws and treaties. No part of this document may be reproduced in any form without the written authorization of Cloud Software Group, Inc.

Spotfire, the Spotfire logo, TERR, TIBCO, Enterprise Message Service, and Hawk are either registered trademarks or trademarks of Cloud Software Group, Inc. in the United States and/or other countries. A list of Cloud SG's trademarks and trademark guidelines is available at <https://www.cloud.com/legal>.

All other product and company names and marks mentioned in this document are the property of their respective owners and are mentioned for identification purposes only. You acknowledge that all rights to these third party marks are the exclusive property of their respective owners. Please refer to Cloud SG's Third Party Trademark Notices (<https://www.cloud.com/legal>) for more information.

This document includes fonts that are licensed under the Apache License, Version 2.0, which is available at <https://www.apache.org/licenses/LICENSE-2.0> and reprinted in the Addendum below.

Copyright (c) Christian Robertson / Google, Roboto font.

Cloud SG software may be available on multiple operating systems. However, not all operating system platforms for a specific software version are released at the same time. See the "readme" file for the availability of a specific version of Cloud SG software on a specific operating system platform.

THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT.

THIS DOCUMENT COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION HEREIN; THESE CHANGES WILL BE INCORPORATED IN NEW EDITIONS OF THIS DOCUMENT. CLOUD SG MAY MAKE IMPROVEMENTS AND/OR CHANGES IN THE PRODUCT(S), THE PROGRAM(S), AND/OR THE SERVICES DESCRIBED IN THIS DOCUMENT AT ANY TIME WITHOUT NOTICE.

THE CONTENTS OF THIS DOCUMENT MAY BE MODIFIED AND/OR QUALIFIED, DIRECTLY OR INDIRECTLY, BY OTHER DOCUMENTATION WHICH ACCOMPANIES THIS SOFTWARE, INCLUDING BUT NOT LIMITED TO ANY RELEASE NOTES AND "README" FILES.

This and other products of Cloud SG may be covered by registered patents. For details, please refer to the Virtual Patent Marking document located at <https://www.tibco.com/patents>.

Copyright © 1994-2025 Cloud Software Group, Inc. All Rights Reserved.



## Addendum to Legal and Third-Party Notices

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>

### TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

#### 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
  - (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions

for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS