



TIBCO Spotfire® Server Release Notes

Software Release 12.0 LTS (12.0.0)

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TIBCO 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 TIBCO Spotfire® Server version 12.0. 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 TIBCO Spotfire® implementation. In addition to providing the tools for configuring and administering the Spotfire® environment, Spotfire Server facilitates the services that make it possible for users to access, blend, and visualize their data, creating analyses that provide actionable insight.

New Features

The following new features have been added in version 12.0 of TIBCO Spotfire® Server.

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

Key	Version	Summary
SPOT-1491	12.0.0	<p>Spotfire library version history</p> <p>It is now possible to utilize version history in the Spotfire library. With history enabled, you can view previous analysis versions and go to any previously-saved version (either to restore the version, or to save a previous version as a new file).</p> <p>For new installations, library version history is enabled by default and a new version is created each time a file is updated in the library.</p> <p>Version history is available, not only for analysis files, but for all visible Spotfire library items, like data sources, data functions, color schemes, SBDF files, mods, etc. As an administrator, you can disable version history entirely, or for certain item types only.</p> <p>You can view and manage the version history of a library item. From the Library, right-click the item and select View version history. From the Version history tab, you can delete, restore, or save a copy of a specific version.</p> <p>For easier identification of versions and for change management, you can add a version name and a comment for any specific version.</p> <p>Note: Each version is a complete copy of the item, not an incremental one. Depending on your Spotfire usage, the Spotfire storage (the Spotfire database or object storage) utilization might increase very fast (for example, if you have many users who frequently save their analyses with embedded data, or if you have frequently running Automation Services jobs). For such situations, automated pruning using the <code>delete-library-versions</code> command is strongly recommended. For TIBCO Cloud™ Spotfire®, all versions are kept at least 30 days. Non-named versions can be deleted after this period.</p>
SPOT-1670	12.0.0	<p>Library compression</p> <p>Library items imported into, or exported from, the Spotfire library are now compressed using the gzip format. This change provides more efficient use of library space, whether the library is stored in the Spotfire database or in an external storage mechanism. Library compression works with all supported databases.</p>
TSS-30946	12.0.0	<p>Delete old versions from Library version history</p> <p>It is possible to delete old library versions with the new command <code>delete-library-versions</code>.</p> <p>You can control whether you want to keep library item versions</p> <ul style="list-style-type: none"> • with comments, • with names, • based on a specified library search expression for the keyword <code>created</code>. For example, newer than "a month ago" or "2 weeks ago", • by content size. For example, smaller than "500KB".

Key	Version	Summary
SPOT-1592	12.0.0	<p>TIBCO Spotfire Automation Services is supported on Linux</p> <p>Debian 11 is now supported as the operating system for the TIBCO Spotfire Automation Services service.</p> <p>Note that ASP.NET Core Runtime 6 LTS is required when running on Linux. See also the System Requirements.</p> <p>Known limitations</p> <p>The following two job tasks are not supported on Linux:</p> <ul style="list-style-type: none"> • Set Data Source Credentials • Set Credentials for External Connection <p>See also Running Web Player or Automation Services on Linux.</p>
SPOT-1657	12.0.0	<p>External actions using TIBCO Cloud Integration</p> <p>The new feature lets you take action in your business systems directly from the visualizations. You can now trigger business processes, update databases, control Internet of Things devices and much more, without having to leave your Spotfire analysis.</p> <p>This is made possible by integrating with TIBCO Cloud™ Integration, TCI. TCI offers connectivity to a wide range of applications, databases and collaboration platforms, including custom applications reached by standard communication protocols.</p> <p>With a hybrid cloud architecture, actions can be used in any Spotfire environment, both in the cloud and on premises. This also applies to the systems that actions can integrate with.</p> <p>Actions are created with no-code user interfaces, both when building the integration apps in TIBCO Cloud Integration and when configuring them in Spotfire.</p> <p>A security mechanism is provided to protect your sensitive data. Before an action can be applied, it must be trusted, either by the person running the action, or indirectly by the administrator specifying action configurators as trusted signers.</p> <p>Note: External actions are not supported in the current versions of Spotfire mobile apps (TIBCO Spotfire® for Apple iOS 2.13.0 and TIBCO Spotfire® for Android 1.4.5).</p>
SPOT-794	12.0.0	<p>TIBCO Spotfire Web Player is supported on Linux</p> <p>Debian 11 is now supported as the operating system for the TIBCO Spotfire Web Player service.</p> <p>Note that ASP.NET Core Runtime 6 LTS is required when running on Linux. See also the System Requirements.</p> <p>Known limitations</p> <ul style="list-style-type: none"> • Kerberos is not supported. • Some data connectors are not supported: Vertica, SAP, Oracle Essbase & Microsoft SQL Server Analysis Services (SSAS) • Windows Metafile formats (WMF & EMF) are not supported. <p>See also Running Web Player or Automation Services on Linux.</p>
SPOT-1460	12.0.0	<p>TIBCO Spotfire deployment in Kubernetes</p> <p>As with previous Spotfire releases, you can create your own recipes for deploying TIBCO Spotfire® using containers and Helm charts on a Kubernetes cluster.</p> <p>Now, you can also use the recipes from Cloud Deployment Kit for TIBCO Spotfire® as they are, or as the reference starting point for your own recipes.</p>

Key	Version	Summary
SPOT-1801	12.0.0	<p>New command for automating creation of a Spotfire database</p> <p>Spotfire Server provides scripts to create a Spotfire database, users, and schema. You can now automate creation of a Spotfire database with the command <code>create-db</code>, which requires no scripts or multiple tooling. You can use this new command for all supported databases listed in the System Requirements.</p>
TS-69136	12.0.0	<p>Read connector credentials profiles from files</p> <p>It is now possible to read connector credentials profiles from files on the computer running the Worker host service. The directory containing the files is defined by the <code>DataAdapterCredentialsFilesDirectory</code> setting in <code>Spotfire.Dxp.Worker.Host.exe.config</code>.</p>
TSS-26171	12.0.0	<p>Spotfire Server now supports a graceful shutdown from command line</p> <p>You can now order a delayed or graceful shutdown of the Spotfire Server from the command line, which informs all back-end services that the instance should be considered off line and should not be used for new requests.</p> <p>Use the following syntax to perform a graceful shutdown from the command line:</p> <pre>/opt/tibco/tss/<version>/tomcat/spotfire-bin/graceful-shutdown.sh --minimum-draining-seconds=<minimum-period-seconds> --draining-timeout-seconds=<delay-seconds></pre> <p>The command calls for a scheduled shutdown of the Spotfire Server with the specified delay <code><delay-seconds></code> in seconds. Use the argument <code><minimum-period-seconds></code> to prevent premature shutdowns.</p> <p>Note: Without support for draining front-end sessions in the load balancer/reverse proxy, front-end requests and session can still be disrupted.</p> <p>The health check URL responds with a 200 status and <code>DRAINING</code> in the response payload while the server is in this state.</p>
TSS-28794	12.0.0	<p>The upgrade tool includes a lock to prevent simultaneous executions</p> <p>The upgrade tool now includes a transient lock that prevents simultaneous executions of the upgrade. This lock is useful for scripted scenarios when running the upgrade tool in silent mode.</p> <p>The lock is valid for a short while (default 120 seconds) so that a later run of the execution should proceed, even if a first execution of the upgrade was terminated before the cleanup of the lock was executed.</p>
TSS-29576	12.0.0	<p>Browser-based public API clients in OAuth2 Authorization Server</p> <p>The built-in OAuth2 Authorization Server now supports browser-based public API clients (registered using the existing <code>register-api-client</code> command). The new type of client is primarily intended for use with the JavaScript API.</p>
TSS-29923	12.0.0	<p>New data source template setting use-get-schemas</p> <p>With this setting, Information Services data sources use the <code>getSchemas</code> function to fetch schemas instead of the <code>getTables</code> and <code>getProcedures</code> functions.</p> <p>The <code>getSchemas</code> function improves performance. However, it shows all schemas regardless of whether these schemas have tables/procedures. The <code>getSchemas</code> function is only available for JDBC versions 4.1 and later.</p>
TSS-29966	12.0.0	<p>New details panel in the library view</p> <p>You can now view more information about a selected item in the library by opening the details panel. The details are shown to the right of the table, after clicking the <i>Open details panel</i> icon above the table. Resize the panel by clicking and dragging the splitter left or right.</p>

Key	Version	Summary
TSS-30476	12.0.0	<p>Copy item to other folder in the library</p> <p>You can now copy library items into other folders in the library directly, by clicking Copy and navigating into the desired folder.</p>
TSS-30502	12.0.0	<p>Spotfire Server now includes a system overview in Troubleshooting Bundle</p> <p>The troubleshooting bundle now contains a new file, which provides a system overview of the Spotfire environment.</p>
TSS-30528	12.0.0	<p>Silent update of the database only</p> <p>When running the upgrade tool in silent mode you can now choose to update only the database. See the file <code>silent.properties</code> for details.</p>
TSS-30619	12.0.0	<p>Edit a library item's description from the Library page</p> <p>You can now edit the description of an item directly from the <i>Library (Browse)</i> web administration page by clicking the pen icon in the details panel.</p>
TSS-30661	12.0.0	<p>New command for removing imported certificates</p> <p>You can now use the command <code>remove-code-signing-root-certificate</code> to delete imported root certificates for code trust.</p>
TSS-31203	12.0.0	<p>Create an action log database using the CLI</p> <p>A new command, <code>create-actionlogdb</code>, has been added, which can make it easier to create the action log database in many cases. Use of this command does not require installation of the command line tools for the database. Instead, the command uses <code>jdbc</code> to connect to the database.</p>
TSAS-1112	12.0.0	<p>Configurable file system path in Automation Services tasks</p> <p>Automation Services tasks can now use a new substitution field, <code>exportPath</code>. During execution, the field is replaced by an actual path specified in the service configuration.</p>
TSS-15985	12.0.0	<p>Better overview of ports</p> <p>In the web administration <i>Nodes & Services, Network</i> page, you can now clearly see the purpose of the used ports (Communication port/Registration port) when viewing details about a node manager or a server.</p>
TSS-8819	12.0.0	<p>More information in Deployments & Packages</p> <p>In the Deployments & Packages, Deployment areas page, you can now also see a <i>Published by</i> column in the Software packages table.</p>

Changes in Functionality

The following are important changes in functionality in version 12.0 of Spotfire Server.

Key	Version	Summary
SPOT-1751	12.0.0	<p>Updated Spotfire artwork</p> <p>The Spotfire icon and artwork have been updated in Spotfire 12.</p>
SPOT-1757	12.0.0	<p>Updated requirements for PostgreSQL as the database</p> <p>PostgreSQL 11 is no longer supported as the Spotfire database.</p>
SPOT-1758	12.0.0	<p>Updated operating system requirements</p> <p>Microsoft Windows Server 2012 and Microsoft Windows Server 2012R2 are no longer supported as the operating system for the following Spotfire products:</p> <ul style="list-style-type: none"> • TIBCO Spotfire Server • TIBCO Spotfire Web Player • TIBCO Spotfire Automation Services • TIBCO Spotfire Statistics Services • TIBCO Enterprise Runtime for R - Server Edition • TIBCO Spotfire Service for Python • Citrix with TIBCO Spotfire® Analyst & Desktop • Remote Desktop Services with TIBCO Spotfire® Analyst & Desktop
SPOT-1790	12.0.0	<p>CentOS 8 is no longer supported as an operating system</p> <p>CentOS 8 is no longer a supported operating system for the following Spotfire products.</p> <ul style="list-style-type: none"> • TIBCO Spotfire® Server • TIBCO Spotfire® Statistics Services • TIBCO® Enterprise Runtime for R - Server Edition • TIBCO Spotfire® Service for Python
TSS-25117	12.0.0	<p>Search for both display name and username</p> <p>When searching for users, the search query now automatically tries to match either the user's display name or username without having to toggle between the two.</p>
TSS-30164	12.0.0	<p>Easier to edit rules</p> <p>In the Scheduling & Routing Rules page, when editing a rule for an analysis, user or group, you can now browse for other analyses, users or groups directly by clicking the input and not only by clicking on the <i>Browse</i> button.</p>
TSS-30215	12.0.0	<p>Changes in handling of trusted signers and items</p> <p>When viewing information about trusted signers and items in the <i>My Account</i> page, or in the <i>Trusted signers and items</i> page for a specific user or group, you can now view and edit trusted certificates and users based on the role that the trust has been granted for: mod developer or action configurator.</p> <p>Where applicable, you can also view and edit trust for individually trusted visualization mods and action configurations.</p>

Key	Version	Summary
TSS-30268	12.0.0	<p>Updated tables in the server web administration pages</p> <ul style="list-style-type: none"> The tables in the Spotfire Server web administration pages now support selecting or clearing rows using the Ctrl and Shift keys. Tables that support selection (i.e., where the rows have a check box) will now keep the selected rows when refreshing the data in the table. Previously, the selected rows were cleared upon refresh.
TSS-30572	12.0.0	<p>Changes to queue behavior for Automation Services instances and jobs</p> <ul style="list-style-type: none"> Jobs in the (in-memory) queue are now processed according to <code>lastModified</code>. By default, TIBCO Spotfire Automations Services jobs can now always be queued, even if no Spotfire Automation Services instances are installed. This change allows "scale to zero". To revert to the previous behavior, set the property <code>automation-services.compatibility.queue-when-no-services-deployed</code> to <code>false</code>. Automation Services jobs are not assigned a destination until there is a destination with available slots. To revert to the previous behavior, where a job is assigned a destination when queued, set the property <code>automation-services.compatibility.assign-destination-before-queueing</code> to <code>true</code>. Previously, EXHAUSTED Automation Services instances would continue to process jobs, but no new jobs were assigned to an exhausted instance. Now, exhausted instances no longer claim unassigned jobs in the queue. This means that queue processing of Automation Services jobs can stop if these instances cannot get out of the exhausted state. Therefore, if no automatic scaling is configured, you can instead set the property <code>automation-services.compatibility.claim-on-exhausted-instances</code> to <code>true</code>, to allow exhausted Automation Services instances to claim tasks.
TSS-30742	12.0.0	<p>Empty defaults for dump configuration on Windows</p> <p>The <code>dumpToolPath</code>, and related flags, are now empty in the default configuration. Examples and instructions are available both in config file comments and in the Server and Environment - Installation and Administration manual.</p> <p>The reason for this change is because the old default values do not make sense for non-Windows platforms and that the Windows configuration will not work out-of-the-box anyway, because installation and path adjustments are usually needed.</p>
TSS-31120	12.0.0	<p>Response validity time for OSCP increased</p> <p>The default value of Online Certificate Status Protocol (OCSP) response validity has been increased from 60 seconds to 3600 seconds. This change addresses potential problems with network traffic and load.</p>
TSS-31157	12.0.0	<p>New argument for delete-library-content</p> <p>The command-line command <code>delete-library-content</code> has the new argument <code>-u --username</code>, which accepts the user name of the library administrator.</p>

Deprecated and Removed Features

Deprecated features

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

Key	Version	Summary
TSS-28133	12.0.0	<p>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.</p> <p>Deprecated since Spotfire 11.4.0.</p>
TSS-29564	12.0.0	<p>The <code>hostName</code> and <code>address</code> attributes of the <code>com.spotfire.server:type=Server</code> JMX MBean are deprecated and will be removed without replacement in a future version.</p> <p>Deprecated since Spotfire 11.6.0.</p>
TSS-29565	12.0.0	<p>The <code>getReturnEndpoint()</code> method of the <code>CustomWebAuthenticatorInitContext</code> API class is deprecated and will be removed in a future release. Please use the new method with the same name in the <code>WebAuthenticationContext</code> API class instead.</p> <p>Deprecated since Spotfire 11.6.0.</p>
TSS-30402	12.0.0	<p>In a future release an upgrade will be done to the namespaces defined in the Jakarta EE 9 project.</p> <p>If you have custom code deployed on the Spotfire server, this means that some of your code might need to be altered and rebuilt.</p> <p>Several important third party components are upgraded to use new namespaces defined in the Jakarta EE 9 project. A future release will start using these upgraded components. When using the upgraded components it is important to know 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 that will be changing namespace can be found here: https://wiki.eclipse.org/Jakarta_EE_Maven_Coordinates</p> <p>Deprecated since Spotfire 10.10.11, 11.4.6 & 11.8.0.</p>
TSS-31202	12.0.0	<p>The following API methods have been deprecated. They contain references to Java EE 8 and that will not work in a future version of TIBCO Spotfire Server based on the newer Jakarta EE 9 or later:</p> <ul style="list-style-type: none"> Object <code>AuthenticationContext.getAttribute(String name)</code>: The usage of the attribute name <code>javax.servlet.request.X509Certificate</code> is deprecated. The attribute name and the returned class type will both change to <code>jakarta.servlet.request.X509Certificate</code> in Jakarta EE 9 or later. Enumeration<String> <code>getAttributeNames()</code>: The attribute name <code>javax.servlet.request.X509Certificate</code> is deprecated. It will change to <code>jakarta.servlet.request.X509Certificate</code> in Jakarta EE 9 or later. Cookie[] <code>getCookies()</code>: The method is deprecated as the returned class type <code>javax.servlet.http.Cookie</code> will change to <code>jakarta.servlet.http.Cookie</code> in Jakarta EE 9 or later. Use the String <code>getHeader("Cookie")</code> method invocation instead. <p>Deprecated since Spotfire 12.0.0.</p>

Removed features

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

Key	Version	Summary
TSS-31245	12.0.0	The API class <code>com.spotfire.server.security.AbstractPostAuthenticationFilter</code> is no longer supported.

Third Party Software Updates

The following third party software (TPS) components have been added or updated in version 12.0 of Spotfire Server.

Key	Version	Summary
TSS-30424	12.0.0	Angular updated to 13.3.9
TSS-30868	12.0.0	Apache Ignite updated to 2.13.0
TSS-30790	12.0.0	Progress DataDirect Connect for JDBC SQL Server updated to 6.0.0.000827
SPOT-1721	12.0.0	<p>The following Spotfire products and components now use Java 17.0.3:</p> <ul style="list-style-type: none"> • TIBCO Spotfire® Server • TIBCO Spotfire® node manager • TIBCO Spotfire® Service for Python (Python service) • TIBCO® Enterprise Runtime for R - Server Edition (TERR service)
TSS-31053	12.0.0	<p>Updated JDBC drivers:</p> <ul style="list-style-type: none"> • Progress DataDirect Oracle driver updated to 6.0.0.000707 • Progress DataDirect Sybase driver updated to 5.1.4.000135 • Redshift JDBC updated to 2.1.0.7

Key	Version	Summary
TSS-30423	12.0.0	<ul style="list-style-type: none"> • Amazon Redshift JDBC driver updated to 2.1.0.5 • ANTLR4 updated to 4.10.1 • Apache CFX updated to 3.5.2 • Apache Ignite updated to 2.13.0 • Apache Log4j Core updated to 2.17.2 • Apache Tomcat updated to 9.0.63 • ASM updated to 9.3 • AspectJ Weaver updated to 1.9.9.1 • AWS SDK for Java updated to 2.17.195 • Azure Active Directory Library for Java updated to 12.14.4 • Byte Buddy updated to 1.12.10 • Jackson Core updated to 2.13.3 • Jetty updated to 9.4.46.v20220331 • JSON Small and Fast Parser updated to 2.4.8 • Metrics Core updated to 4.2.9 • Nimbus JOSE + JWT updated to 9.22 • PostgreSQL JDBC Driver updated to 42.3.5 • Progress DataDirect Connect for JDBC SQL Server updated to 6.0.0.000827 • RSyntaxTextArea updated to 3.2.0 • Simple Logging Facade for Java updated to 1.7.36 • Spring Framework updated to 5.3.20

Closed Issues

The table lists important closed issues in version 12.0 of Spotfire Server.

Key	Version	Summary
TS-37791	12.0.0	The documentation states that the <i>Administrator</i> user group includes the permissions from all other system groups. In fact, the <i>Administrator</i> group does not include permissions from the <i>Script Author</i> and <i>Custom Query Author</i> groups.
TS-69399	12.0.0	Long timeouts for OCSP requests in node services can cause node services to be unresponsive.
TSAS-1107	12.0.0	The Spotfire Analyst and the Automation Services service can become unresponsive if they are provided with very low values for height or width in the tasks "Export Image" and "Send Email."
TSS-15080	12.0.0	It is not possible to remove a primary parent group in the settings for a group.
TSS-27047	12.0.0	Library items with duplicated names, and of the same type and in the same folder, can be created if they are saved at the same time.
TSS-29769	12.0.0	After changing the deployment area for a group, it is no longer possible to go back to the state where the group always uses the current default deployment area.
TSS-29962	12.0.0	The selection in tables in the web administration pages is not maintained when refreshing the table data.
TSS-29973	12.0.0	Logging to the export log for the Spotfire Analyst client is interrupted due to a concurrency issue. The job continues and is unaffected; only logging is interrupted.
TSS-30166	12.0.0	In the Scheduling & Routing app, when you navigate from a rule with a name containing a character that requires URL encoding (such as '&', '+', '%', and so on) to its corresponding activity, you can encounter incorrect search results, or you can be redirected to the landing page.
TSS-30201	12.0.0	The error message and status code shown in the Spotfire Server web administration pages when a circular membership exception occurs is incorrect.
TSS-30261	12.0.0	You are not allowed to add multiple saved schedules with identical configurations, nor to add new schedules with identical configurations when creating or editing a rule.
TSS-30336	12.0.0	When deleting a used deployment area, it should not be allowed to move nodes and services to an empty deployment area.
TSS-30347	12.0.0	Failing to upload a package in a deployment area results in an unfriendly error message.
TSS-30400	12.0.0	The dialog showing information about pre- and post-service rollback for an updated service permanently shows the spinner and does not load data.
TSS-30452	12.0.0	Error code 3 is returned when executing the command <code>config run simple-config-ldap.txt</code> , due to a superfluous backslash in the file.

Key	Version	Summary
TSS-30455	12.0.0	While moving one or more items in the library, and the <i>Move</i> banner is displayed at the top of the page, the last item in the library is no longer visible.
TSS-30508	12.0.0	The documentation does not specify that you must configure HTTPS if you want to set the cookie attribute SameSite to None.
TSS-30512	12.0.0	The documentation incorrectly states that default value for the Web Player service configuration setting <code>maxReceivedMessageSizeMb</code> is 64 MB. The actual default value is 1024 MB.
TSS-30513	12.0.0	The <code>config-external-ignite-process</code> erroneously removes all of the JVM options from the configuration if no options are specified while updating another value.
TSS-30518	12.0.0	Blocked users, certificates and items should be highlighted with an error icon in the tables that show information about trust, that is, on the following pages: My Account (Trusted signers and items section), Group details (Trusted signers tab), User details (Trusted signers and items tab)
TSS-30519	12.0.0	Blocked users and certificates should not be possible to be added as trusted signers for a group.
TSS-30527	12.0.0	Data functions cannot be seen in the library, and <i>Data function</i> is not an available type when filtering in the library.
TSS-30537	12.0.0	Running nodes on Windows Server 2022 with a connection to the Spotfire Server through HTTPS and TLS 1.3 can cause stability issues.
TSS-30578	12.0.0	The <code>create-deployment-area</code> CLI command does not provide validation according to the rules in the documentation .
TSS-30595	12.0.0	The Welcome dialog and the installation steps dialog for the TIBCO Cloud Spotfire Library do not fit on a small screen.
TSS-30612	12.0.0	When you use Information Services, errors can occur when you load several information links with Date, Time, and/or DateTime columns at the same time.
TSS-30623	12.0.0	It is not possible to remove all groups from a specific group.
TSS-30690	12.0.0	The value displayed in the <i>Last start time</i> column of the Scheduling & Routing Rules page is incorrect.
TSS-30692	12.0.0	When trying to view a specific rule's job activity, the result can be imprecise and list more than one job because the search filter uses the rule name only.
TSS-30740	12.0.0	In the library, it is not possible to delete items which have dependencies (where other items depend on them).
TSS-30743	12.0.0	Setting the level of the <code>com.spotfire.ws.soap.SOAP</code> logger to DEBUG does not enable SOAP logging.
TSS-30756	12.0.0	The Options documentation for the command-line command <code>set-sensitive-config-prop</code> documentation mistakenly includes the flag <code>--encrypt=value</code> .

Key	Version	Summary
TSS-30776	12.0.0	When you edit a user's profile, If you leave Display name empty, an error is displayed.
TSS-30788	12.0.0	In the Monitoring & Diagnostics Instances page, if you search by instance ID, you will get incorrect search results.
TSS-30789	12.0.0	In the Scheduling & Routing Rules page and Activity page, when a resource pool is not available, an inconsistent name is used for the resource pool.
TSS-30799	12.0.0	When the Library settings specify that the search input must not be present on the Library page, the Create folder icon button is not displayed.
TSS-30820	12.0.0	When a very high maximum number of connections is configured for a data source, an excessive amount of memory is allocated.
TSS-30821	12.0.0	In the unlikely event that a user logs in and out at the same time, a potential deadlock can occur.
TSS-30835	12.0.0	In the library, you cannot move a folder to another folder whose name starts with the same characters as the folder you try to move.
TSS-30843	12.0.0	In the <i>Scheduling & Routing, Rules</i> page, the resource pool name should be used instead of the resource pool ID when filtering.
TSS-30847	12.0.0	In the action log, the <code>sessions</code> metric incorrectly shows the total number of sessions that have been created instead of the current number of active sessions.
TSS-30850	12.0.0	When using TIBCO Cloud Spotfire and trying to download the Spotfire Analyst client or other resources from the Downloads page, this is sometimes not possible because the download link has expired.
TSS-30851	12.0.0	An error is shown when editing a rule's custom schedule.
TSS-30854	12.0.0	The instructions for verifying a data source template contain incorrect information.
TSS-30865	12.0.0	The filter option 'Default routing' is missing for the Resource pool filter in the <i>Scheduling & Routing, Rules</i> page.
TSS-30915	12.0.0	The Spotfire Server starts even if it cannot bind to one or more ports.
TSS-30924	12.0.0	In the <i>TIBCO Spotfire Server Installation and Administration</i> guide, the topic Configuring HTTPS should be clarified for administrators who do not use X.509 client certificates.
TSS-30945	12.0.0	External authentication does not work when connecting with a web client.
TSS-31010	12.0.0	The <code>find-analysis-scripts</code> command does not properly trust multi-line custom queries.
TSS-31048	12.0.0	The help topic Configure LDAPS in the TIBCO Spotfire Server and Environment - Installation and Administration Manual should use the command <code>-importcert</code> rather than <code>-import</code> .

Key	Version	Summary
TSS-31142	12.0.0	External scheduled updates were not listed in the <i>Scheduled updates activity</i> table in the Spotfire Server web administration pages.

Known Issues

The following are known issues in version 12.0 of Spotfire Server:

Key	Version	Summary
TSAS-1123	12.0.0	Encryption of configuration files for the Automation Services and Web Player services is not supported on Linux.
TSDK-597	12.0.0	<p>If your Spotfire implementation uses Web authentication through OpenID Connect or custom web authentication, Spotfire Package Builder cannot be used to deploy extensions to the server.</p> <p>Workaround: Deploy the extension package by using the Deployments & Packages area of Spotfire Server.</p>
TSS-21408	12.0.0	<p>In Spotfire environments with an Oracle database, Spotfire occasionally uses more cursors than are available. This can occur in a variety of situations, but in all cases the following error appears in the server log: <code>ORA-01000 maximum open cursors exceeded</code>, and the server stops functioning.</p> <p>Workaround: If this error occurs, try setting the <code>OPEN_CURSORS</code> property in Oracle to at least 500, and then restart the server.</p>
TSS-23602	12.0.0	<p>In the Automation Services area of the administration interface, if an Automation Services job is in the <code>IN_PROGRESS</code> state, and all of the servers in the cluster stop running or are restarted, the job remains in the <code>IN_PROGRESS</code> state in the Activity view even after the servers are back online.</p> <p>Workaround: Right-click the activity, and then click Clear selected activity to clear the job activity from the Activity view.</p>
TSS-26972	12.0.0	<p>Updating the node manager from Nodes & 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>Workaround: 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	12.0.0	<p>In the following situations, Spotfire users cannot view certain analysis files in the web client:</p> <ul style="list-style-type: none"> The user is authenticated using Kerberos with delegation. The user wants to view an analysis that accesses a TERR service node. <p>Workaround: 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"> On the computer running the Web Player node manager, open a command window as an administrator. Enter <code>mmc</code>. In the Console dialog box that opens, click File > Add/Remove > Snap-ins. In the Add or Remove Snap-ins dialog box, select Certificates, and then click Add. In the Certificates snap-in dialog box, select Computer account, and then click Next. In the Select Computer dialog box, click Finish. In the Add or Remove Snap-ins dialog box, click OK. In the Console Root window, click Certificates (Local Computer) to view the certificate stores for the computer. Go to <code>Certificates (Local Computer) \ Personal \ Certificates</code>, and then right-click the certificate that was issued by "TIBCO Spotfire Signing CA". Select All Tasks > Manage Private Keys. In the Permissions dialog box, under Group or user names, select a group that contains all Spotfire users that need to run analyses using the TERR service. Under Permissions for Name, select the Allow check box in the Read row, and then click OK. In the Spotfire administration interface or in the Windows Services dialog box, restart the Web Player node.
TSS-30350	12.0.0	<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>Workaround: Temporarily switch to a lower display resolution, such as 1920 x 1080 pixels.</p>
TSS-30734	12.0.0	<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>

Key	Version	Summary
TSS-31285	12.0.0	<p>The spotfire-webplayer pod <code>livenessProbe</code> can fail, and network-related issues between the spotfire-server and spotfire-webplayer pods can occur, when the spotfire-webplayer pod is under heavy load, or if the load increases suddenly. This situation can lead to the spotfire-webplayer pod restarting prematurely. This issue is typically caused by CPU throttling in the <code>Kubernetes/Linux cgroups/Completely Fair Scheduler</code>, which then can lead to users experiencing reconnection attempts.</p> <p>Workaround: To address these issues, ensure that the spotfire-webplayer and spotfire-server pods do not specify a value for <code>resources.limits.cpu</code> (which avoids or minimizes cpu throttling) and increase the spotfire-webplayer <code>livenessProbe</code> failure window (for example, by increasing <code>periodSeconds</code> and/or <code>failureThreshold</code>).</p> <p>Depending on which scenario described above is observed, you can decrease spotfire-webplayer CPU strained levels (see <code>WebPlayer_AverageCpuLoadStrainedLimit</code> in <code>Spotfire.Dxp.Worker.Host.dll.config</code>) and <code>cpuAverageTimeSpan</code> (see <code>Spotfire.Dxp.Worker.Web.config</code>) so that the load is distributed earlier among the running spotfire-webplayer pods, or that the analyses are put in scheduled updates.</p>

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](#).



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

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

Spotfire Automation Services

Version 12.0 of Spotfire Automation Services should be installed for compatibility with version 12.0 of TIBCO Spotfire.

For instructions on how to upgrade to version 12.0 Spotfire Automation Services, see "Updating Services" in the *Spotfire Server and Environment - Installation and Administration* help.

Spotfire Qualification

Version 12.0 of Spotfire Qualification should be installed for compatibility with version 12.0 of TIBCO Spotfire.

For instructions on how to upgrade to version 12.0 of Spotfire Qualification, see the [Spotfire Qualification - Installation Guide](#).

TIBCO Documentation and Support Services

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

How to Access TIBCO Documentation

Documentation for 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.

TIBCO Spotfire Documentation

The documentation for all Spotfire products is available on the [TIBCO 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 TIBCO Spotfire products are designated as long-term support (LTS) versions. LTS versions are typically supported for up to 36 months from release. Defect corrections will typically be delivered in a new release version and as hotfixes or service packs to one or more LTS versions. See also https://docs.tibco.com/pub/spotfire/general/LTS/spotfire_LTS_releases.htm.

How to Contact TIBCO Support

Get an overview of [TIBCO Support](#). You can contact TIBCO Support in the following ways:

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

System Requirements for Spotfire Products

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

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

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