



TIBCO Spotfire[®] Analyst Release Notes

*Software Release 10.3 LTS
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TIBCO Documentation and Support Services

How to Access TIBCO Documentation

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

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

Product-Specific Documentation

Documentation for TIBCO Spotfire Analyst and related products is available on the [Spotfire Analyst Product Documentation](#) page.

- TIBCO Spotfire® Analyst User's Guide
- TIBCO Spotfire® Administration Manager User's Guide
- Working with Cubes in TIBCO Spotfire®
- TIBCO Spotfire® License Agreement

Related documentation is also found on the [Spotfire Server Product Documentation](#) page.

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

You can contact TIBCO Support in the following ways:

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

System Requirements for Spotfire Products

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

How to Join TIBCO Community

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

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

New Features

The following new features have been added to version 10.3 of TIBCO Spotfire® Analyst.

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

Updated trust mechanism, including trust for data functions

The trust mechanism for JavaScript and IronPython scripts, and also for data connection custom queries, has been improved by introducing SHA-512 for calculating the trust stamp. In addition, the trust mechanism now also applies to data functions and TERR expression functions.



The updated trust functionality means that there are a few additional steps required during the upgrade to Spotfire 10.3, to make everything work as before. The exact steps to take will depend on your use case and environment – some examples are described in this article: <https://community.tibco.com/wiki/script-and-data-function-trust-spotfire-103-and-later>

Updated notifications

The notifications framework has been updated to allow pop-up notifications and sometimes include links to where you can fix issues.

The pop-up notifications can be switched off by clicking the Notifications icon on the menu bar and clearing the check box in the lower part of the flyout.

Reload data improvements

The stability of the data reloading functionality has been improved, in particular for complicated configurations. The API to reload data tables in an analysis has also been redesigned.

Edit and remove calculated columns from the data canvas

It is now possible to edit and remove top-level entities such as calculated columns, binned columns and group-from-marked columns directly from the data canvas.

You can also remove predicted columns, result columns from other types of calculations, custom hierarchies, tags and mask columns in the data canvas.

Custom display names for Spotfire servers

The Spotfire server now supports custom display names as an alternative to the URL to the server. This makes it easier for users to find the server they should connect to.

Specifying the display name can be done both on the Spotfire Server by setting a display name for a Site and also on a per-user basis in the Manage Servers page in the login dialog. A display name set in Manage Servers will override any display name defined on the Spotfire Server.

Improvements when browsing the library

- It is now possible to widen the content browser (the Files and data flyout) by dragging with the mouse, in order to see really long names.
- The tooltip when hovering over a Spotfire Analysis now includes the description, if any is available.
- It is now possible to sort the library contents according to the last modified date.
- Performance improvements - browsing the library is now faster.

Snowflake data connector

You can now access data from your Snowflake data warehouse, with the new data connector for Snowflake.

Native support for MemSQL, MariaDB, and MongoDB Connector for BI

You can now use the connector for Oracle MySQL to access data from MariaDB, MemSQL, and MongoDB Connector for BI.

TIBCO Cloud™ Live Apps data connector

You can now connect to and analyze your Live Apps case data in Spotfire, with the new data connector for TIBCO Cloud™ Live Apps.

Native support for PostgreSQL 11

You can now access data from PostgreSQL 11 with the data connector for PostgreSQL.

Geocoding coverage update

The following data has been updated:

- Over 4,000 new internal administrative boundaries (Admin 1, States, Provinces, Regions...) are now available worldwide.
- French region names are updated to the latest naming scheme.

Hide geocoding warnings

You can now hide geocoding table warnings that appear in the map chart title.

Layers control state

Whether the map chart layers control is expanded or collapsed, its state is now saved in the analysis.

Changes in Functionality

The following are changes in functionality in version 10.3 of TIBCO Spotfire® Analyst.

10.3.3

Changes to preference AllowSharingOfCachedDataBetweenUsers

The default value of the preference AllowSharingOfCachedDataBetweenUsers is now **False**. The data caching behavior for users in groups with the preference set to **False** is also changed.

As a user in a group that has the preference AllowSharingOfCachedDataBetweenUsers set to **False**, you now cannot use shared cached data in data connections where the option **Share cached data between all concurrent users of the Spotfire web client** is selected. You also cannot use shared queries for database users with different credentials in streaming connections where the option **Also between users with different database credentials** is selected.

Unless you have explicitly set the value of the preference to **True**, the value is changed to **False** for all user groups. In some cases, this might affect performance. To edit preferences for user groups, select **Tools > Spotfire Administration Manager**.

Changes to connector for Microsoft SQL Server Analysis Services

When you use the connector for Microsoft SQL Server Analysis Services, you can only use the authentication method **Username and password** in connections over HTTP.

In earlier versions, it was possible to select **Username and password** authentication in non-HTTP connections, but the credentials you entered were not used. The username and password credentials were ignored, and the authentication method defaulted to **Windows authentication**.

You can no longer create a non-HTTP Microsoft SQL Server Analysis Services connection and select **Username and password** authentication. If you have existing data connections configured this way, you must edit the connection data sources and change the authentication method to **Windows authentication**.

10.3.2

Trust check flow performance improvements

- The trust check flow has been optimized to make the cheapest checks first. This can make saving DXP files from the library faster, when the files contain scripts.
- An extra cache has been added when checking trust stamps for current users to improve performance.

10.3.0

MySQL driver changed from .NET to ODBC

The driver required to be able to use the Oracle MySQL data connector to connect to Oracle MySQL databases has changed. This now requires that you have installed the driver Oracle MySQL Connector/ODBC, instead of Oracle MySQL Connector/.NET.

To be able to continue to use the Oracle MySQL connector and any analyses with existing connections to Oracle MySQL, you must install the new driver on all computers running Spotfire clients.

Additionally, the Oracle MySQL connector now also supports ODBC drivers for MariaDB and MongoDB Connector for BI. For details about what drivers to use, see the [system requirements for connectors in Spotfire](#).

Application Profiler change

The API call for rendering visualizations that was used in the previous LTS release (7.11) was made obsolete in 7.12, by the introduction of Visual.RenderAsync. Spotfire 10.3 LTS uses the new API call by default, for newly created Application Profiler configurations.

When opening an older Application Profiler configuration file, the obsolete type of rendering will be used, for minimal impact.

The obsolete rendering API can also be used for new configuration files, if necessary, by manually selecting the check box to render using the pre-7.12 API in the Application Profiler.

However, it is recommended to not use the obsolete rendering API, as it will diverge more and more over time from what the real visualizations look like, and the functionality may even be removed completely at some point in the future.

Script management change

The Scripts tab has been removed from the Documentation Properties dialog. Scripts are now instead managed from the new dialog found under **File > Manage trust and scripts**.

Deprecated and Removed Features

The following feature is deprecated or removed as of version 10.3 of TIBCO Spotfire® Analyst.

Affected component	Description
Export to PowerPoint	The functionality for exporting to PowerPoint as editable objects is deprecated.

Installation

The following are instructions on how to install version 10.3 of TIBCO Spotfire® Analyst.

The TIBCO Spotfire® Analyst client is delivered as two different installers. The installer labelled "single_user" is the default one. Use this if you do not know which version to select. The installer labelled "single_user" installs the product for the logged in user only. The other users on the same machine will not be able to use the client. The installer labelled "shared_computer" installs the product for all users on the machine. This installer requires administrative privileges on the machine.

Installation of Release 10.3

1. First install/upgrade the TIBCO Spotfire® Server to version 10.3.
2. Deploy the TIBCO Spotfire® 10.3 distribution on the TIBCO Spotfire® Server 10.3.
3. Finally, install TIBCO Spotfire® Analyst 10.3 on all client computers.

Installation Notes

- If the .NET 4.5 framework is not installed, it will be downloaded and installed when launching the "shared_computer" TIBCO Spotfire® Analyst client installer. The "single_user" installer will not download the .NET framework, because it does not have system changing privileges. However, it will complain if the .NET framework is missing.
- If the product localization is defined as a user group preference, a client restart is required after the initial login to the server for the changes to be fully applied. Note that clients are not informed that such a restart is required. It is also important that the appropriate localization packages are deployed to the TIBCO Spotfire® Server prior to setting the user group preference.

Note that the correct Language pack and the matching server preference must be set on the very first server that the user connects to. Changing the settings on the Server will not have any effect. If the localization group preference does not have any effect, it can be enforced on clients using **Tools > Options**.

Migration and Compatibility

The following are instructions on how to migrate from a previous release to version 10.3 of TIBCO Spotfire® Analyst.

Upgrading from Previous Version without Installing

1. First install/upgrade the TIBCO Spotfire® Server to version 10.3.
2. Deploy the TIBCO Spotfire® 10.3 distribution on the TIBCO Spotfire® Server 10.3.
3. Start the old version of TIBCO Spotfire® Analyst, log on to the TIBCO Spotfire® Server 10.3 and accept the update.



With Spotfire 10.3, a trust mechanism for data functions was introduced. Also, the trust stamp was changed to be calculated with SHA-512. Therefore, when updating from an older version to 10.3 or later, the trust stamps in all Spotfire analysis files in the library that include IronPython scripts, JavaScripts, data connection custom queries or data functions must be updated. New server CLI commands called "find-analysis-scripts" and "trust" can be used to find and update or automatically trust old scripts and data functions in your library. For more information, see the TIBCO Community article: <https://community.tibco.com/wiki/script-and-data-function-trust-spotfire-103-and-later>.

Compatibility Versions

You can use TIBCO Spotfire 10.3 to open .dxp analysis files that were created and saved in any older version of Spotfire that is still in support.

The compatibility versions of TIBCO Spotfire 10.3 are updated to versions 10.2 and 7.11 LTS. This means that .dxp analysis files that you create and save in Spotfire 10.3 can be opened in versions 10.2 and 7.11 LTS of Spotfire.



When you use an older version of Spotfire to open an analysis file that was created in a newer version of Spotfire, features from the newer version might not be available, and the analysis might look and behave differently compared to the version in which it was created.

Version	Can open version										
	10.3	10.2	10.1	10.0	7.14	7.13	7.12	7.11	7.10	7.9	7.8
10.3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10.2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10.1		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7.14				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7.13					Yes	Yes	Yes	Yes	Yes	Yes	Yes
7.12						Yes	Yes	Yes	Yes	Yes	Yes
7.11	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7.10							Yes	Yes	Yes	Yes	Yes

7.9								Yes	Yes	Yes	Yes
7.8									Yes	Yes	Yes

Third Party Software Updates

The following third party software (TPS) components have been updated or added for version 10.3 of TIBCO Spotfire® Analyst.

10.3.2

TPS	New version
Driver for TIBCO Data Virtualization	8.1.0

Closed Issues

The table lists important closed issues in version 10.3 of TIBCO Spotfire® Analyst.

10.3.3

Key	Summary
TSDC-5403	<p><i>This was a known issue in earlier releases of Spotfire 10.3. The issue was closed in version 10.3 HF-9.</i></p> <p>The SAP solution for Kerberos single sign-on (SSO) for SAP BW, the Common Crypto Library (sapcrypto.dll), could not be used for setting up SSO with the Spotfire connector for SAP BW.</p>

10.3.2

Key	Summary
TS-61366	Spotfire sometimes closed unexpectedly during startup, if you used saved login information that could not be read correctly.
TS-61370	Spotfire sometimes closed unexpectedly when you tried to start it as a restricted user.
TS-61397	Text areas with filters sometimes caused read errors.
TS-61400	Headers in cross table visualizations were sometimes visible when the width was set to zero.
TS-61429	For large queries in connections to Salesforce, adding related tables without selecting a column used in the join resulted in errors.
TSDC-5660	It was not possible to connect to TIBCO Data Virtualization 8.1 with the included driver for TIBCO Data Virtualization.
TSDC-5854	For large queries in connections to Salesforce, prompts of the type Range and Manual were case sensitive.
TSDC-5855	For large queries in connections to Salesforce, selecting an empty value in a prompt resulted in the wrong number of rows being imported.
TSDC-5856	In connections to Salesforce, prompting for empty values resulted in an error.

10.3.0

Key	Summary
TSDC-4559	In connections to SAP BW, it was not possible to define a range BEX variable with the same to and from values.
TSDC-4977	In connections to Salesforce, it was not possible to add custom relations.

Key	Summary
TSDC-5357	There was no license available for controlling user access to the Spotfire Data Streams connector.
TS-55558	There was no support for text area with large content.
TS-57584	There was no custom header for white-labeling the Spotfire clients (co-branding) available.
TS-58281	Zoom-out button was not disabled when the map was completely zoomed out.
TS-58721	Preprocessor methods such as \$csearch were erroneously included in the list of available methods when creating transformations.
TS-58770	Cross tables were not filling in custom text for missing data.
TS-58773	It was not possible to access layer properties from the layers control panel.
TS-58791	Radius marking sometimes marked the wrong markers.
TS-58815	It was not possible to import Excel files exported from Microsoft SQL Server Reporting Services.
TS-58895	Analysis was closed when navigating to a specific page in the analysis after use of filtering schemes.
TS-59053	Export of prepared reports could take a very long time if the report was set to repeat pages based on filter values in combination with filtering in analysis.
TS-59125	CRS/Projections list would sometimes load in WMS treeview.
TS-59140	Replacing a data table with an information link that used a parameterized stored procedure did not work as expected. If invalid values were entered in the first attempt to replace the data table, it was previously not possible to correct them by doing a second attempt, using the same information link. This has now been fixed.
TS-59319	There were occasional script errors in an analysis using compatibility versions of jQuery and jQuery UI.
TS-59628	When Web (OpenID/OAuth2) authentication was used on Spotfire Server, clients could not login if FIPS compliance was enabled on Windows.
TSS-24583	It was not possible to create information models and links if a duplicate name was provided more than three times.
SPOT-514	There was a duplicated ISO 3 country code for France in the World Cities geocoding table.

Known Issues

The table lists important known issues in version 10.3 of TIBCO Spotfire® Analyst.

Key	Summary
TS-53053	No access keys available in the new menu bar and authoring bar.
TSDC-5525	It is not possible to connect to a TIBCO Data Virtualization server (version 8.0 or later) using plain username/password if the TIBCO Data virtualization server is configured to use Kerberos for authentication.