TIBCO Spotfire® Analyst Release Notes

Software Release 11.4 LTS (11.4.4)

Contents

New Features

The following new features have been added in version 11.4 of TIBCO Spotfire® Analyst.

For details about new Spotfire features, see What's New in TIBCO Spotfire in the TIBCO Community.

Key	Version	Summary
TSDC-6778	11.4.1	**New preference for setting the `CommandTimeout` for Microsoft SQL Server connections** It is now possible to set the `CommandTimeout` for the TIBCO Spotfire Microsoft SQL Connector via a preference. It is located under Connectors > Microsoft SQL Server in the Administration Manager in the Analyst client.
TSDC-6798	11.4.1	**New preferences for disabling `UseDeclareFetch` and `Fetch` for PostgreSQL connection** There are now two preferences for controlling the `UseDeclareFetch` and `Fetch` connection settings for the TIBCO Spotfire PostgreSQL connector. They are located under Connectors > PostgreSQL in the Administration Manager in the Analyst client.
SPOT-1440	11.4.0	**Single-tenant authentication support for SharePoint Online Lists** The TIBCO Spotfire Connector for SharePoint Online Lists now supports single-tenant authentication.
SPOT-499	11.4.0	**Parallel data loading and computing** Data is now loaded and computed in parallel when opening an analysis file. This can shorten the data loading time when you use data from multiple data sources. You will also get all (non-error) prompts up front, which means that data loading can continue until completed, without interruptions for prompts. Using the installed client, it is possible to switch off the parallel data loading entirely under **Tools > Options > Document > Data loading**, or, for a single analysis, through **File > Document properties > Compatibility Settings**. An administrator can also control the preferences for a group in **Administration Manager > Preferences > Application > DataImportPreferences**.
SPOT-1445	11.4.0	**Databricks SQL Analytics support** The TIBCO Spotfire connector for Apache Spark SQL now supports Databricks SQL Analytics. You can now perform self-service visual data discovery on data lake data using live pushdown querying in Databricks clusters which have SQL Analytics enabled.
TS-65517	11.4.0	**Improved feature rendering in map charts** Spotfire uses geometry simplification techniques to facilitate the rendering of detailed features on spatial maps, still preserving essential shapes. However, for rectangle features that are typically represented by 4 or 5 points, the simplification might cause rendering inconsistencies. In such cases you can specify the number of points below which geometry simplification will not be used for features with less than 6 points.
TS-65959	11.4.0	**Client Library API now includes new library item types** The client library API is extended to include new library item types that are returned from the Search API.

Key	Version	Summary
SPOT-1191	11.4.0	**Added options for library items in the Files and data flyout** It is now possible to rename and delete items in the Spotfire library directly from the Files and data flyout. You can also copy links to library items to share them with others. To access the new options, right-click a library item in the Spotfire library section of the Files and data flyout.
SPOT-1351	11.4.0	**Automatic proxy detection** Python Tools Package Management now attempts to detect system proxy settings automatically and uses them if they are available when searching for, or installing, Python packages. Additional custom configuration options have been added to the Administration Manager.
SPOT-1455	11.4.0	**Improved performance for visualization mods** The performance of visualization mods has been significantly improved. The transfer of data (rows and hierarchies) is now at least 100% faster for large data views and on par with the performance of native visualizations.
SPOT-374	11.4.0	**Trellising multiple layers in a map chart** The trellising of a map chart can now comprise more than one layer of data. This makes it possible to compare multiple measures or categories of data within a single geographical or diagrammatic map.
TS-66059	11.4.0	**Improved user action logging** Changing page through an IronPython script is now logged in the user action log.
TS-66349	11.4.0	**Custom repository setting for Python packages** The Spotfire administrator can now set a custom Python package repository for use with **Python Tools**. To specify a custom repository for data function authors, from the Spotfire Administration Manager Preferences dialog, set **DataFunctions > DataFunctionPreferences > PythonPackageRepositoryIndexURL.**

Changes in Functionality

The following are important changes in functionality in version 11.4 of TIBCO Spotfire® Analyst.

Key	Version	Summary
TS-69964	11.4.4	**Updated log4net.dll** The log4net.dll has been upgraded from 2.0.12 to 2.0.15.
TSDC-7026	11.4.4	**Removed fixed value for MaxBytesPerFetchRequest in connections to Apache Spark SQL** When you access data with the connector for Apache Spark SQL, there is no longer a fixed value for the connection property `MaxBytesPerFetchRequest`. The value is now determined by the default value of the ODBC driver you use.
TS-69018	11.4.3	The included Python Interpreter is updated to 3.8.13.
TSDC-6946	11.4.3	**Fixed value for MaxBytesPerFetchRequest in connections to Apache Spark SQL** When you access data with the connector for Apache Spark SQL, the value of the connection property `MaxBytesPerFetchRequest` is now always 10MB, even if the ODBC driver has a different default value.
TS-68382	11.4.2	**Updated version of numpy** The Python package `numpy` was updated to 1.21.0
TSDC-6690	11.4.1	**Increased timeout for metadata queries with the Spark connector** When using the TIBCO Spotfire connector for Spark, the timeout for metadata queries has been increased from 30 seconds to 1800 seconds.
TSDC-6735	11.4.1	**Possible to define local redirect address template for Google connectors** It is now possible to define the local redirect address template for the TIBCO Spotfire connectors for Google as a preference.
TSDC-6814	11.4.1	**Updated driver for TIBCO® Data Virtualization** The driver for TIBCO Data Virtualization has been updated to version 8.5.0.
SPOT-1283	11.4.0	**Unified experience for saving to, and browsing in, the library** The same UI and style in the Files and data flyout is now used when saving an analysis in the Spotfire library as when browsing the library. This unified experience is available in the installed client as well as the web client.
TS-65168	11.4.0	**Save login information in Cloud Analyst** The 'Save my login information' option is now available for people connecting using TIBCO Cloud Spotfire Analyst.

Key	Version	Summary
TS-66505	11.4.0	**The spotfire Python module moved from the Core module to the Python Interpreter module** The `spotfire` Python module for Analyst support of Python data functions has moved from the `Core` module to the `Python Interpreter` module. If the Spotfire Server administrator has deployed a custom Python interpreter package to the Spotfire Server, then attempts to run data functions fail with errors about the `spotfire` module (and mention using `pip install`). This failure with errors will continue until the Spotfire Server administrator deploys to the Spotfire Server a new custom Python interpreter package that is built with version 1.3.0 (or later) of the `spotfire` Python package.
TS-66507	11.4.0	**The Spotfire package available for download on PYPI** The Spotfire package is now a package available on PYPI and can be downloaded by using the standard pip command. This change makes creating packages for distribution simpler. If you are using your own Python interpreter, you can simply install the 'spotfire' package using pip instead of extracting the wheel from the distribution and installing it.
TS-66550	11.4.0	**Updated Python interpreter** The Python interpreter included with Spotfire has been updated to version 3.8.10.
TS-66555	11.4.0	**Increased max length of string mod properties** The maximum allowed length for mod properties of string type is now 100KB instead of 2KB.
TS-66560	11.4.0	**New location for SetupLauncher when installing Spotfire** SetupLauncher, the program that performs the installation of a new version of Spotfire Analyst, is now downloaded from the deployment area to a folder in the user's AppData folder instead of a Temp folder. The locally installed version of the program has been removed from the Modules folder.
TS-66631	11.4.0	**Automatic signaling of render complete** A visualization mod automatically signals render complete when an error overlay is shown.
TSDC-6516	11.4.0	**Performance changes for importing data with Amazon Redshift connections** To improve performance when you import data from Amazon Redshift, the option `SingleRowMode` is now enabled by default. You can override this by adding the `SingleRowMode` option in the **Additional settings** table and setting the value to `0`.
TSDC-6525	11.4.0	**Disabled caching improves import performance** In the TIBCO Spotfire MySQL connector, the `NO_CACHE`, `FORWARD_CURSOR` and `PREFETCH` options are now used to improve import performance.
TSDC-6526	11.4.0	**Improved import performance for the PostgreSQL connector** The `UseDeclareFetch` option is now enabled in the TIBCO Spotfire PostgreSQL connector to improve import performance.
TSDC-6660	11.4.0	For the TIBCO Data Virtualization connector the property enableFlood is activated for requests from Spotfire, which could make communication with TIBCO Data Virtualization unstable.

Deprecated and Removed Features

Deprecated features

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

Key	Version	Summary
TS-63679	11.4.0	The API to create requests to the server APIs , `WebRequestFactory.CreateSpotfireWebRequest()`, has been deprecated in this release. All requests to the server should be made using the standard APIs `WebRequest.CreateHttp` or `WebRequest.CreateDefault` instead. Authentication and authorization to the server APIs is done using OAuth2 and registered API client credentials. See the following documentation for more information. Spotfire Server SOAP APIs Spotfire Server REST APIs Web Services API Reference Library REST API Deprecated since Spotfire 10.10.0.
TS-66424	11.4.0	The jQuery 1.12.4 and jQuery UI 1.9.2 JavaScript libraries will not be distributed with future releases of TIBCO Spotfire®. Your use of these third party libraries, whether in this release, past releases, or future releases of TIBCO Spotfire, is at your own discretion, and is not supported or warranted by TIBCO. Please see Best Practices for Writing Custom JavaScript Code in Text Areas for additional information on using JavaScript code with Spotfire® products. Deprecated since Spotfire 11.4.0.

Removed features

No features have been removed in this release of TIBCO Spotfire® Analyst.

Closed Issues

The table lists important closed issues in version 11.4 of TIBCO Spotfire® Analyst.

Key	Version	Summary
TS-69044	11.4.4	Pasting data when the Spotfire client is in a modal state will cause the client to enter an unusable state.
TS-69517	11.4.4	In some cases, reference lines based on Line from Data Table do not show up in the correct trellis panel when multiple scales are used.
TS-69557	11.4.4	Load balancers (especially an AWS load balancer) between the Spotfire Analyst and the Spotfire Server or between node services and the Spotfire Server can cause random connection problems.
TS-69674	11.4.4	In cross tables and heat maps, formatting specified on column level is not applied to color item values in the legend, when the default color scheme grouping is used.
TS-69881	11.4.4	The Spotfire client is closed unexpectedly when writing certain types of invalid search expressions.
TSDC-6942	11.4.4	In the Microsoft SharePoint Online Connection dialog, it is not possible to add a SharePoint Site if the URL contains spaces or encoded spaces (%20).
TSDC-6965	11.4.4	When you access data from Salesforce, an error occurs if a query from Spotfire to Salesforce contains more than 16,000 characters.
TSDC-7010	11.4.4	Expressions that contain an aggregating function within a column function (where the latter accepts more than one argument) cannot be used as a calculated column or as a visualization axis expression. This affects the connectors for SAP HANA (when using Analytical Views), Attivio, and IBM Netezza.
TSDC-7030	11.4.4	When you access data with the connector OData, an unnecessary request header is included that sometimes causes the request for data to fail.
TS-68260	11.4.3	Using the 'Image from URL renderer' in table visualizations containing many cells could cause rendering of the visualization to timeout.
TS-68263	11.4.3	When exporting a map chart, in some cases the transparency for base layers is not shown correctly.
TS-68307	11.4.3	In some cases where the aspect ratio of the map chart has been changed in a previous action, the visible area might shift strangely when a user releases the mouse button after panning the map.
TS-68333	11.4.3	Some older analysis files containing invalid marking selections cannot be opened due to mismatch in Row count.
TS-68344	11.4.3	In line charts, marking a single line by clicking on it, does not work when there are multiple expressions on the Y-axis.

Key	Version	Summary
TS-68387	11.4.3	On the 'Sorting' page of the Visualization Properties for table visualizations, sometimes the column that is displayed as selected in the drop-down list, is not the column that was actually selected.
TS-68389	11.4.3	Calls to the TERR service or Spotfire Service for Python that uses data functions do not set the content length on the requests, which can cause issues when used with some proxy servers.
TS-68415	11.4.3	Windows Forms controls registered on a background thread in custom extensions might cause the application to become unresponsive after a system event has been triggered.
TS-68439	11.4.3	In rare conditions, the application might become unresponsive if custom code runs in a progress operation.
TS-68601	11.4.3	In map chart image layers, some images are unnecessarily stored twice in .dxp files.
TS-68627	11.4.3	If your server is configured with unconstrained Kerberos delegation, then accessing external data sources using your Windows account can fail.
TS-68657	11.4.3	When you edit a data source in Information Designer and click 'Save As...' to save a copy of the data source with a new name, the name of the original data source can change instead if the saving fails (for example if you forget to enter the password).
TS-68717	11.4.3	A mod signed with a certificate, where there is no method to check the revocation status of the certificate because revocation is not supported by the certificate authority, is considered to have an invalid signature.
TS-68720	11.4.3	When reading data from certain streams (for example, via TIBCO Spotfire Statistics Services, including when Statistics Services is called through Automation Services), an internal issue causes data to be only partially read, and the data is therefore corrupted.
TS-68739	11.4.3	The `single_user` installation does not work for usernames containing characters from other alphabets than the basic Latin alphabet.
TS-68753	11.4.3	Clearing the check box 'Visualization title visible by default' in Tools > Options > Visualization does not hide the visualization title.
TS-68790	11.4.3	Some multithreaded Python data functions never finish when run locally.
TS-68798	11.4.3	If you run Microsoft .NET Framework version 4.5.2 or earlier and attempt to upgrade Spotfire, the upgrade progress will close unexpectedly.
TS-68811	11.4.3	If you run Microsoft .NET Framework version 4.5.2 or earlier and attempt to upgrade Spotfire, the upgrade progress will close unexpectedly.
TS-68840	11.4.3	Log files currently opened for writing by another process cannot be added as a data source.
TS-68846	11.4.3	Shapefiles containing geometries with unspecified measure values are not loaded completely.

Key	Version	Summary
TS-68883	11.4.3	When opening an analysis, and there are both automatically executing data functions and on-demand data tables that depend on the output of the data functions, then the on-demand action sometimes initially fails to fetch new data.
TS-68145	11.4.2	Running local Python data functions is unnecessarily slow. This has now been partially addressed by enabling bytecode generation for all local Python data functions. You can return to the previous behavior by defining the PYTHONDONTWRITEBYTECODE environment variable.
TS-68178	11.4.2	Prompting for proxy authentication or certificate warnings can sometimes freeze the application if it is performed on a background thread.
TS-68193	11.4.2	In map charts, Position settings in image layers cannot be edited when the mouse is used.
TS-68204	11.4.2	Page tabs are sometimes missing if the Spotfire analysis was created in a background web browser tab.
TS-68215	11.4.2	Spotfire clients cannot be used with proxy servers that return multiple authentication types.
TS-68232	11.4.2	The map chart can occasionally blink, or even become blank for a short period, when it is rendered very frequently.
TS-66838	11.4.1	The ODBC connection pool is cleaned up after all connections have been returned to the pool, which could, in combination with specific ODBC driver implementations, result in a deadlock. The fix only addresses the *Load data with ODBC, OLE DB, or ADO.NET data provider* import method.
TS-66840	11.4.1	Vertical scale labels are not visible in bar charts and combination charts with certain fonts.
TS-66866	11.4.1	When applying a bookmark containing a heat map, sometimes extra columns named ' Row cluster IDs' or 'Column cluster IDs' are created.
TS-66906	11.4.1	Logging of some actions does not work.
TS-66923	11.4.1	Application Profiler times out when an analysis contains a data table from a data function.
TS-66949	11.4.1	Setting document properties through configuration blocks, when having an on-demand request that needs data that has not yet been loaded, makes Spotfire close unexpectedly.
TS-67007	11.4.1	The table visualization fails to render some shapes that display correctly in the map chart.
TS-67077	11.4.1	When using TIBCO Cloud Spotfire Analyst or the cloud web client, library items are not shown if you first click on any of the shared folders.
TS-67080	11.4.1	When launching Spotfire Analyst from a CLI and using the /offline parameter, the client is not opened in offline mode as expected.

Key	Version	Summary
TS-67148	11.4.1	When opening and closing analyses inside a transaction via the API, the progress indicator sometimes gets stuck.
TS-67159	11.4.1	Spotfire closes unexpectedly when trying to remove visualizations with certain layouts. This occurs when there is no splitter that constitutes an exact border for the removed visualization.
TS-67163	11.4.1	In some cases, on-demand data cannot be loaded after replacing an information link in the library.
TS-67168	11.4.1	In the map chart, an exception is thrown in some trellising scenarios.
TS-67176	11.4.1	When configuring "Label and Tooltip" for "Lines & Curves" in the Visualization Properties dialog, the values are sometimes shown in a mix of languages. Some values are shown in the current language and some are shown in the language used when the line or curve was created.
TS-67178	11.4.1	Analyses that include multiple data tables and a specific combination of markings can sometimes not be opened when loading data in parallel.
TS-67179	11.4.1	A calculated column referencing the DataType property can sometimes get the old value if the data type has changed when loading data in parallel.
TS-67383	11.4.1	Hovering with the mouse pointer over items in the Lists panel does not display any annotations.
TS-67392	11.4.1	The TIBCO logo in the OAuth2 web page "Authentication Successful" cannot be cobranded.
TS-67404	11.4.1	In Administration Manager, when editing the ReferencePoints of the BoxPlotPreferences, it is not possible to define a color for a given BoxPlotPointPreference.
TS-67407	11.4.1	Hierarchical scales prioritize the top level labels when the scale is given less vertical space than intended.
TS-67457	11.4.1	Pasting data when the Spotfire client is in a modal state will cause the client to enter an unusable state.
TS-67518	11.4.1	String columns are not read correctly when shapefiles are uploaded.
TS-67561	11.4.1	Data functions executed on an authenticated TIBCO Spotfire® Statistics Services server can experience performance issues.
TS-67581	11.4.1	When selecting a non-default coordinate reference system via the API, for a map chart or any of its layers, the selected coordinate reference system does not show up in the drop-down list on the properties/settings pages.

Key	Version	Summary
TS-67650	11.4.1	Requests to TIBCO Spotfire Statistics Services sometimes time out after 10 seconds, even though some requests would benefit from a longer timeout period (the server default of 3600 s). With this fix, only the initial request to a server uses the short timeout period, to avoid long waiting times when a server is not up and running. The length of the short timeout can now be changed using a new preference: `TIBCO Spotfire Statistics Services > StatisticsServices > Server Connect Timeout Seconds`
TS-67676	11.4.1	When adding another transformation to the same transformation group as a previously added Pivot transformation, the value columns are missing if no column titles were chosen in the Pivot operation.
TS-67688	11.4.1	Bookmarks seem to be randomly deleted from the library after the API tries to modify or delete other users' bookmarks.
TS-67723	11.4.1	When running an information link, the values provided in the prompts do not override the current parameters.
TS-67738	11.4.1	Running a data function with very large input data using either TERR or Python can result in a failure with the error `"Error from Remote Service: Internal Service Error (500)."`
TS-67811	11.4.1	When saving data or analyses to the library, some HTTP requests to the server do not set the content length as expected. This can cause problems if proxy a server is used.
TS-67813	11.4.1	A data function that uses a column search expression fails to execute during reload if a previous input column no longer is available.
TSDC-6678	11.4.1	When using the TIBCO Spotfire connector for Apache Spark SQL, long-running queries are canceled due to the limited ODBC command timeout. The ODBC command timeout for the Spark SQL connector has now been increased to 30 min.
TSDC-6684	11.4.1	The TIBCO Spotfire connector for TIBCO Data Virtualization sometimes stops responding when many queries are sent at the same time.
TSDC-6692	11.4.1	Due to a change in the driver, newer versions of the MariaDB driver (3.1.13 and later) do not work correctly with the TIBCO Spotfire connector for MySQL.
TSDC-6696	11.4.1	When reading metadata from SAP HANA, view definitions and comments are included, which causes performance issues in large SAP HANA instances. With this fix, these columns are now excluded from the metadata extraction.
TSDC-6771	11.4.1	Some Oracle 11g data tables with a primary key are not loading in Spotfire Analyst using the Oracle Connector.
TSDC-6801	11.4.1	An error occurs when a custom query has a parameter and a column that share the same name.
TS-38646	11.4.0	The documentation about marking in visualizations contains too little detail about the behavior when using Ctrl+A.
TS-48313	11.4.0	The documentation about use of prepocessor expressions (for example, when using document properties inserted as text) is not clear enough. See Properties in Expressions and related topics.

Key	Version	Summary
TS-65520	11.4.0	Failure to persist author trust to the server is not reflected in the mods trust dialogs.
TS-65953	11.4.0	When exporting a prepared report to PDF, headers and footers are sometimes rendered incorrectly.
TS-65973	11.4.0	File URIs do not work in the "Image from URL" renderer.
TS-65984	11.4.0	If you use Spotfire Service for Python to run Python data functions, and you use Spotfire Statistics Services to run TERR data functions, then the client (either Spotfire Analyst or Spotfire Business Author) can mistakenly try to run the TERR data functions in a nonexistent TERR service, rather than Spotfire Statistics Services, causing the data function to wait indefinitely.
TS-66105	11.4.0	The location search field and button are pushed behind the other navigation controls in some trellised map charts.
TS-66143	11.4.0	Frozen columns originating from data functions disappear when opening the analysis.
TS-66186	11.4.0	When exporting a trellised scatter plot, only the image labels for the first trellis panel are exported when the display option 'Image from URL' is used.
TS-66219	11.4.0	Spotfire closes unexpectedly when all values are deleted from a drop-down list with fixed values during editing of a text area.
TS-66244	11.4.0	Map charts sometimes stop updating when panning is done on a page with iframes on it, for example JSViz or visualization mods.
TS-66247	11.4.0	Sometimes, usage.log files that contain cluster identifiers are not parsed correctly.
TS-66320	11.4.0	A certain script, which applies a large number of markings in an analysis with wide data, runs much slower in version 10.x and 11.x of Spotfire compared to version 7.x.
TS-66338	11.4.0	In a scatter plot, the Spotfire client sometimes closes unexpectedly when switching between post-aggregating expressions on an aggregated axis using Time as the data type.
TS-66342	11.4.0	Memory usage increases when running a specific script that applies a large number of markings in an analysis with wide data and a tabular visualization.
TS-66343	11.4.0	In some cases it is possible to replace individual values from the UNIQUE values overview in the column details in the Data in analysis flyout even though it should not be possible.
TS-66462	11.4.0	Right-clicking top scale labels in a heat map results in errors in some situations.
TS-66522	11.4.0	Loading information links might cause issues when running several TIBCO Spotfire Server instances (clustered TSS).
TS-66531	11.4.0	After installing TIBCO Spotfire version 10.9 or higher on a computer where another version is already installed, it is not possible to uninstall any of the versions. With this fix, uninstalling TIBCO Spotfire no longer leaves unwanted files on disk, when multiple versions have been installed on the same computer.

Key	Version	Summary
TS-66649	11.4.0	For some Microsoft Excel cells that use array formulas, empty values are incorrectly imported.
TS-66707	11.4.0	If you try to install an older version of Spotfire, while having a newer version installed, then the old installer exits and the Windows Settings/Apps page shows an additional Spotfire application item that cannot be uninstalled.
TS-66723	11.4.0	If an error occurs while signing in to SharePoint Online using the TIBCO Spotfire SharePoint Online connector, the real error is hidden by a more general error.
TS-66729	11.4.0	Preference values that are specified in a cobranding package are not used the first time a different user than the previous user logs in.
TS-66734	11.4.0	Sometimes it is not possible to zoom in or out in the map chart using the + and - buttons that are available in the visualization, even though it should be possible.
TS-66784	11.4.0	It is not possible to reload an embedded data table when it is based on an on-demand source and has added rows from a different data source.
TS-66797	11.4.0	When using `ApplicationThread.Invoke` in custom code together with Automation Services, Qualification or Application Profiler, pending invocation attempts might be executed in the wrong context.
TS-67829	11.4.0	The property `InformationLinkTimeoutMinutes`, which you can use in the Information Designer to set a timeout for individual information links, is not documented.
TSDC-6566	11.4.0	When using the Google BigQuery connector to import data, the import sometimes consumes a lot of memory, which might lead to performance issues.
TSDC-6575	11.4.0	In the documentation there is not enough information about admin consent issues in Microsoft Azure when connecting to SharePoint Online.
TSDC-6583	11.4.0	For the TIBCO Spotfire connectors for Drill, Dremio, and Snowflake, connections are not closed properly. This results in an accumulation of open connection handles. For example, in the case of Snowflake connections, when logging is enabled, the driver sometimes does not release log file handles until the connection is closed. This causes the process to eventually run into the limit of allowed number of open file handles.
TSDC-6623	11.4.0	Google Analytics is mentioned in the documentation about using a credentials profile with Google data, but usage of credential profiles is not yet supported in the TIBCO Spotfire Google Analytics connector.
TSDC-6649	11.4.0	Authenticating a SharePoint Online connection using the client information from preferences fails in the installed client with an error message stating that the client is public.

Known Issues

The following are known issues in version 11.4 of TIBCO Spotfire® Analyst.

Key	Version	Summary
TS-69770	11.4.3	**Export error displayed for empty column** If you export an SBDF from Python (for example, as outputs for a data function), and your output contains an empty column, then you can encounter the following error: `spotfire.sbdf.SBDFError: cannot determine type for column 'EmptyString'; all values are missing` This error occurs because the spotfire package cannot always correctly infer data types, such as `String`. **Workaround**: None.
TS-62137	11.4.0	Python packages that are installed by the Administrator (through an SPK) take precedence over packages installed using the **Python Tools** from the **Spotfire Analyst Tools** menu. If users attempt to update a package previously installed by an SPK, then the package update is installed, but the update is ignored.

Installation

The following are instructions on how to install version 11.4 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 11.4

1. First install/upgrade the TIBCO Spotfire® Server to version 11.4.

2. Deploy the TIBCO Spotfire® 11.4 distribution on the TIBCO Spotfire® Server 11.4.

3. Finally, install TIBCO Spotfire® Analyst 11.4 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 11.4 of TIBCO Spotfire® Analyst.

Upgrading from Previous Version without Installing

1. First install/upgrade the TIBCO Spotfire® Server to version 11.4.

2. Deploy the TIBCO Spotfire® 11.4 distribution on the TIBCO Spotfire® Server 11.4.

3. Start the old version of TIBCO Spotfire® Analyst, log on to the TIBCO Spotfire® Server 11.4 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 11.4 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 11.4 are updated to versions 11.3 and 10.10 LTS. This means that .dxp analysis files that you create and save in Spotfire 11.4 can be opened in versions 11.3 and 10.10 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	Compatibility versions
11.4 LTS	11.3, 10.10 LTS
11.3	11.2, 10.10 LTS
11.2	11.1, 10.10 LTS
11.1	11.0, 10.10 LTS
11.0	10.10 LTS, 10.3 LTS
10.10 LTS	10.9, 10.3 LTS
10.9	10.8, 10.3 LTS
10.3 LTS	10.2, 7.11 LTS
7.11 LTS	7.11 LTS

File compatibility example

For example, when you create a `.dxp` analysis file in Spotfire 11.3, the file is saved with compatibility versions for 11.2 and 10.10 LTS. You can open the `.dxp` file in any older Spotfire version that either *is* one of those versions, or has 11.2 or 10.10 as compatibility versions.

That means you can open the `.dxp` analysis file that you saved in Spotfire 11.3 in the following older versions: 11.2, 11.1, 11.0 and 10.10 LTS.

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.

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.

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.

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