Spotfire® Analyst Release Notes

Software Release 14.0 LTS (14.0.4)

Contents

New Features

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

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

Key	Version	Summary
SPOT-3208	14.0.0	**Spotfire is back!** Spotfire® is now a stand-alone brand within Cloud Software Group, and this is reflected in a new logotype and new product names. The following Spotfire products have been rebranded in this release: • Spotfire Server • Spotfire Analyst • Spotfire Deployment Kit • Spotfire Automation Services • Spotfire Qualification • Spotfire Developer • Spotfire Enterprise Runtime for R (a/k/a TERR) • Spotfire Enterprise Runtime for R – Server Edition (a/k/a the TERR Service) • Spotfire Service for R • Spotfire Service for Python
SPOT-3179	14.0.0	**Run Spotfire Analyst without a server (combined installer with Spotfire Desktop)** You can now run Spotfire Analyst without connecting to a Spotfire Server, by selecting the option 'No server' in the login dialog. If you decide to add a server at a later stage, you can force the login dialog to be shown by searching for 'Spotfire' from the Windows start menu, then selecting the 'Spotfire Analyst (show login dialog)' option, and clicking 'Manage servers' in the login dialog. The installers for Spotfire Analyst and Spotfire Desktop have been combined. This means that it is easier to switch from one of the sales offerings to another, if your situation changes in the future.
SPOT-2150	14.0.0	**Export tabular visualizations to Microsoft Excel with preserved layout, styling, and formatting** You can now export the table, cross table, graphical table, and summary table visualizations, to an Excel file, preserving their layout, styling, and formatting. This makes it easier to share reports as tabular data, the way they were originally designed in Spotfire.

Key	Version	Summary
SPOT-2158	14.0.0	**Enhanced configuration of the KPI chart** Several new settings give you more control over the visual layout and formatting of the KPI chart. You can now: • Start each KPI on a new row to better distinguish them visually. • Edit the base font style and size in the tiles. • Set a dynamic tile width relative to the font size to ensure that the content of the tiles is always displayed correctly. • Specify a minimum number of tiles per row to preserve the desired layout even when the visualization is resized. • Set a minimum number of visible tiles to ensure that a certain number of tiles remain visible irrespective of the size of the visualization.
SPOT-2361	14.0.0	**Configure version history per analysis from the Analyst client** An analyst can enable or disable the version history setting for each analysis in the library from within the Spotfire Analyst client. By only saving the version history for the most important analyses, you can keep the storage need for the library to a minimum. When an analysis is opened in the installed client, select *File > Document Properties*, go to the *Library* tab and modify the *Keep older versions of this file when saving* check box to change the setting. You need write permissions for the analysis to update the setting. A system administrator can configure if the version history should be enabled or disabled for all analyses by default. See Switching off library versioning in the *Spotfire® Server and Environment - Installation and Administration* manual.
SPOT-3061	14.0.0	**Manage column and data table property values from the data canvas** Since version 12.5, analysts and business authors have been able to add new column and data table properties, and edit the default values, from the data tables overview in the new data canvas sidebar. With this release, analysis authors can also edit the actual column property and data table property values directly from the data canvas, when selecting the final data table node for a data table. This functionality is available both in the installed client and in the web client. Beyond making this capability available to web authors, the new functionality also makes it more convenient to view and edit the metadata available for your columns and data tables. For example, you can add or edit an optional description of the content, change the content type, or update the link template used for columns that should be interpreted as links.
SPOT-3067	14.0.0	**'Reload for each user'-setting available in the data canvas** For an analysis configured to use scheduled updates, the data canvas now allows you to enable or disable the reload of data per data source in each data table. Scheduled updates save time for consumers by automating data loading for an analysis before the analysis is opened. This reduces the need to wait for new data to load when actually opening the analysis. However, not all data sources are suitable to be preloaded, and now you can easily specify your exceptions from within the data canvas. Read more in Reloading data for each user when using scheduled updates.
SPOT-3091	14.0.0	**Catalog setting for data connections to Databricks** The data connector for Apache Spark SQL has a new setting for specifying what catalog to access data from, when you create or edit a connection to a Databricks system that is set up with unity catalog.

Key	Version	Summary
SPOT-3092	14.0.0	**Fetch size setting for data connections to Oracle** You can now configure the fetch size setting, when you create or edit an Oracle data connection.
SPOT-3142	14.0.0	**Access data from Google Analytics 4** You can now access data from Google Analytics 4 in Spotfire. Google Analytics 4 is the current generation of Google Analytics. Google is retiring the previous generation, Universal Analytics, which Spotfire already supports. In this, and later versions of Spotfire, to access your legacy Universal Analytics data, select *Connect to > Google Analytics (Universal Analytics)*.
SPOT-3304	14.0.0	**Contextual menus on filters in text areas** Some of the functionality from the right-click menus that are available in the *Filters* panel and for filters in the *Data in analysis* flyout are now enabled also for filters in the text area. This provides easy access to additional filter-specific capabilities in the text area, such as the possibility to reset a filter, or to deselect other values in a hierarchy filter.
TS-74327	14.0.0	**Easy access to information about data sources in Information Designer** You can now right-click in the *Data Sources* pane of the *Information Designer* and select *Copy List of Data Sources* to see information about all the data sources in your system. This can be used to locate data sources that use TIBCO-branded DataDirect JDBC drivers, which are no longer supported in Spotfire version 14.0 and forward.

Changes in Functionality

The following are changes in functionality in version 14.0 of Spotfire® Analyst.

Key	Version	Summary
TS-69268	14.0.0	**Data functions are no longer automatically removed when they lack outputs** Previously, when all outputs of a data function were removed, the data function was also automatically removed from the analysis. This no longer happens because you might want to reconfigure new outputs by editing the data function from the data canvas at a later stage.

Deprecated and Removed Features

Deprecated features

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

Key	Version	Summary
TS-74041	14.0.0	The *Column properties* dialog in the Spotfire Analyst client is deprecated and it will be removed in a future version.
		With the option to edit data table and column property values from the data canvas, the old dialog (reached from *Data > Column Properties*) is no longer needed. You can do everything except freezing columns from either the *Data canvas* or from the *Data in analysis* flyout. The freeze columns functionality, when accessed via the dialog, is also deprecated. API for frozen columns is still supported.
		Deprecated since Spotfire 14.0.0.

Removed features

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

Key	Version	Summary
SPOT-3232	14.0.0	Spotfire is no longer localized to Russian, and the Russian language pack is no longer available.
		Spotfire is localized to the following languages:
		• Chinese
		• French
		• German
		• Italian
		• Japanese
		• Korean
		• Portuguese
		• Spanish

Third Party Software Updates

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

Key	Version	Summary
TS-78118	14.0.4	Bouncy Castle updated to 2.4.0
TS-77594	14.0.4	Chromium Embedded Framework updated to 127.3.4
TS-78117	14.0.4	HtmlAgilityPack updated to 1.11.63
TS-78104	14.0.4	Magick.NET-Q16-AnyCPU updated to 13.10.0
TS-78100	14.0.4	Spotfire Enterprise Runtime for R (a/k/a TERR) engine updated to 6.1.4
TSDC-7491	14.0.4	TIBCO Data Virtualization ADO.NET Driver updated to 8.8.2
TS-78107	14.0.4	preact/signals updated to 1.3.0
TS-78130	14.0.4	underscore js updated to 1.13.7
TSDC-7507	14.0.4	• Azure.Identity updated to 1.12.0 • Microsoft.Identity.Client updated to 4.61.3
TS-77132	14.0.3	Apache Log4Net updated to 2.0.17
TS-76164	14.0.3	Bouncy Castle updated to 2.3.0
TS-77143	14.0.3	Chromium Embedded Framework updated to 124.3.0
TS-77134	14.0.3	HtmlAgilityPack updated to 1.11.60
TS-76635	14.0.3	Magick.NET-Q16-AnyCPU updated to 13.6.0
TS-77124	14.0.3	Spotfire Enterprise Runtime for R (a/k/a TERR) engine updated to 6.1.3
TS-76638	14.0.3	Topten.RichTextKit updated to 0.4.167
TS-77136	14.0.3	mono/SkiaSharp updated to 2.88.8
TS-77137	14.0.3	preact updated to 10.20.2
TS-77138	14.0.3	preact/signals updated to 1.2.3

Key	Version	Summary
TS-76897	14.0.3	- Python interpreter updated to 3.11.9 - The following Python packages are updated in this release: - pandas updated to 2.2.2 - setuptools updated to 69.5.1
TS-75953	14.0.2	HtmlAgilityPack updated to 1.11.57
TS-75941	14.0.2	Magick.NET-Q16-AnyCPU updated to 13.5.0
TS-76139	14.0.2	Spotfire Enterprise Runtime for R updated to version 6.1.2
TSDC-7328	14.0.2	TIBCO Data Virtualization ADO.NET Driver updated to version 8.8.0
TS-75942	14.0.2	mono/SkiaSharp updated to 2.88.7
TS-75972	14.0.2	preact updated to 10.19.3
TSDC-7336	14.0.2	- Microsoft.Data.SqlClient updated to 5.1.4 - Microsoft.IdentityModel.Abstractions updated to 6.35.0 - Microsoft.IdentityModel.JsonWebTokens updated to 6.35.0 - Microsoft.IdentityModel.Logging updated to 6.35.0 - Microsoft.IdentityModel.Protocols updated to 6.35.0 - Microsoft.IdentityModel.Protocols.OpenIdConnect updated to 6.35.0 - Microsoft.IdentityModel.Tokens updated to 6.35.0
TSDC-7306	14.0.1	Azure.Identity updated to 1.10.3
TS-75041	14.0.1	HtmlAgilityPack updated to 1.11.54
TS-75107	14.0.1	Magick.NET-Q16-AnyCPU updated to 13.4.0
TS-75045	14.0.1	System.Security.Cryptography.pkcs updated to 6.0.4
TS-75085	14.0.1	System.ServiceModel.Http updated to 4.10.3
TS-75086	14.0.1	System.ServiceModel.Primitives updated to 4.10.3
TS-75340	14.0.1	The Package for Building Python Extensions to Spotfire® is updated to 2.1.2. The following bundled Python packages are updated: - NumPy updated to 1.26.2 - Pandas updated to 2.1.3 - pip updated to 23.3.1 - setuptools updated to 68.2.2 - wheel updated to 0.41.3

Key	Version	Summary
TS-75042	14.0.1	jQuery updated to 3.7.1
TS-75084	14.0.1	preact updated to 10.18.2
TS-75044	14.0.1	system.private.servicemodel updated to 4.10.3
TS-74406	14.0.1	- HarfBuzzSharp updated to 7.3.0 - mono/SkiaSharp updated to 2.88.6
TS-74724	14.0.0	Chromium Embedded Framework updated to 117.2.4
TS-73784	14.0.0	DocumentFormat.OpenXml updated to 2.20.0
TS-73779	14.0.0	HtmlAgilityPack updated to 1.11.51
TS-73780	14.0.0	Magick.NET-Q16-AnyCPU updated to 13.2.0
TS-74003	14.0.0	Spotfire Enterprise Runtime for R (a/k/a TERR) engine updated to 6.1.0
TS-73789	14.0.0	jQuery updated to 3.7.0
TSDC-7146	14.0.0	- Apache.Arrow updated to 12.0.1 - Google.Api.CommonProtos updated to 2.10.0 - Google.Api.Gax updated to 4.4.0 - Google.Api.Gax.Grpc updated to 4.4.0 - Google.Apis.Analytics.v3 updated to 1.61.0.1679 - Google.Apis.Auth updated to 1.61.0 - Google.Apis.Oauth2.v2 updated to 1.61.0.1869 - Google.Cloud.BigQuery.Storage.V1 updated to 3.8.0 - Google.Cloud.BigQuery.V2 updated to 3.4.0 - Google.Protobuf updated to 3.23.3.0 - Grpc.Core updated to 2.46.6
TSDC-7282	14.0.0	- Google.Analytics.Admin.V1Beta version 1.0.0-beta03 added - Google.Analytics.Data.V1Beta version 2.0.0-beta03 added
TSDC-7199	14.0.0	- Microsoft.Data.SqlClient updated to 5.1.1 - NodaTime updated to 3.1.9 - System.Diagnostics.DiagnosticSource updated to 6.0.1 - System.IdentityModel.Tokens.Jwt updated to 6.31.0 - System.Text.Encodings.Web updated to 6.0.0

Key	Version	Summary
TS-73009	14.0.0	- Python interpreter updated to version 3.11.3 - The following Python packages are updated in this release: - NumPy updated to 1.25.2 - pandas updated to 2.1.0 - pip updated to 23.2.1 - setuptools updated to 68.1.2 - spotfire (Package for Building Python Extensions to Spotfire) updated to 2.1.1 - wheel updated to 0.41.2

Closed Issues

The table lists closed issues in version 14.0 of Spotfire® Analyst.

Key	Version	Summary
TS-77254	14.0.4	When using the mods API to mark a large number of rows (>100), some of the rows are sometimes omitted.
TS-77352	14.0.4	The `AutoBinNumeric` function can generate too few bins when the column formatting does not include enough decimal digits.
TS-77434	14.0.4	Marking sometimes does not work as expected if filtering is performed while (Row number) is used on a splitting axis.
TS-77646	14.0.4	*Export data to file* does not work for the *Details-on-Demand* panel if Spotfire runs in another language than English.
TS-77649	14.0.4	If an item filter is used without *Include (None) as option* selected, there are missing items in the filter result.
TS-77679	14.0.4	Spotfire is sometimes not responsive when you try to highlight or mark vertical (north-south) well sticks in a map chart.
TS-77704	14.0.4	When the `RefreshOnDemandData` callback is invoked from an IronPython script, and the callback parameter is a function that generates an exception, Spotfire closes unexpectedly.
TS-77791	14.0.4	If properties are not previously registered but show up when loading data, they are created with a valid value for the data type, for example, the number '0' for integers. However, the expected default value should be null, to be able to separate absence of a value from a valid value. The preference `UseNullAsDefaultValueForNewProperties` (under `DataImportSettings`) has been added to support this scenario. By default, the old behavior is kept.
TS-77794	14.0.4	Depending on the load/creation order of the data tables, it is sometimes impossible to open an analysis file when you have done K-means clustering on a data table which is defined with relations and also filter propagation from it but not to it.
TS-77838	14.0.4	It is not possible to perform a K-means clustering or a Line similarity calculation based on a line chart that uses a hierarchy on an axis.
TS-77914	14.0.4	The hex color code cannot be edited when the color palette is opened from the styling options popover in the table visualization.
TS-78021	14.0.4	Some performance counters are missing in the *Monitoring & Diagnostics* page of the Spotfire Server web administration pages: "Data engine paged out memory", "Data engine paged in memory", "Data engine active queries" and possibly "Number of shared document nodes".
TS-78052	14.0.4	Some analyses with filter propagation and K-means clustering, and/or line similarity calculations, cannot be opened.

Key	Version	Summary
TS-78169	14.0.4	Clicking the *Minimize* button of an annotation opens the annotation in input mode instead of minimizing it.
TS-78354	14.0.4	In the *Register Data Function* dialog, the *Save as*, *Export*, and *Run* buttons are sometimes not enabled after changing the *Type*.
TSDC-7514	14.0.4	If you add line breaks in the description of a prompt in a data connection, the description does not display correctly in the prompt dialog.
TSDC-7517	14.0.4	When you access large amounts of data with the connector for MySQL, and you use a version of the ODBC driver later than 8.0, Spotfire sometimes stops unexpectedly.
TSDK-718	14.0.4	The Spotfire Package Builder cannot be opened and can sometimes cause the application to close unexpectedly, when running a German version of Spotfire Analyst.
TS-76056	14.0.3	When the API has been used to define relations between data tables (DataRelations), and the relations use more functionality than what is available in the user interface, the *Data Table Properties* dialog cannot be opened. This issue can also happen if an analysis is created or modified using Spotfire 14.2 or newer, and is then opened using an older version. The new versions support more complex data relations in the user interface.
TS-76073	14.0.3	If you click instead of drawing a rectangle when attempting to zoom in a visualization, Spotfire closes unexpectedly.
TS-76110	14.0.3	If new versions of related packages are deployed to a Spotfire Server and one or more of these packages are removed from the set, Spotfire Analyst can close unexpectedly, or show an exception in runtime, if a user declines to update to the new version of the set of packages.
TS-76172	14.0.3	You cannot open an analysis containing a data connection with saved credentials, if you change the authentication method in the data source to a method that does not support saved credentials.
TS-76181	14.0.3	When setting indexed properties from IronPython using a `CategoryKey`, Spotfire closes unexpectedly with a `StackOverflowException`.
TS-76285	14.0.3	It is not possible to load on-demand data from an information link if the ID of a column used to filter by has been changed, but the original name of the column still remains.
TS-76336	14.0.3	It is not possible to configure a reference line to be based on a column property for a binned axis.
TS-76385	14.0.3	When running the Application Profiler on a folder containing multiple analysis files based on information links, the application sometimes starts in offline mode.
TS-76444	14.0.3	The *Data Table Properties* dialog sometimes shows the wrong value for the "Prompt for new settings before loading" setting.
TS-76447	14.0.3	Spotfire becomes unresponsive and then closes when an extension performs a progress operation in which another progress operation is asynchronously launched.

Key	Version	Summary
TS-76595	14.0.3	The login dialog does not display the product name configured via the cobranding package.
TS-76677	14.0.3	Shapefiles containing gaps between the shapes cannot be opened.
TS-76743	14.0.3	Localized exception messages shown at initial startup (at assembly loading) that require UTF-8 encoding to be properly rendered (for example, for a web player service instance) can be garbled.
TS-76787	14.0.3	If an HTTP error occurs when retrying exporting SBDF data to the library using `File/Export/Data to library`, the Automation Services task `Export Data Table to Library`, or the API `DataTable.ExportDataToLibrary`, it can result in only part of the data table being saved to the library.
TS-76807	14.0.3	*Run action with preview* does not work when the action trigger is a title bar button.
TS-76976	14.0.3	When setting the `TypeId` of a visualization and adding a reference line using an IronPython script, an exception is thrown in the script.
TS-76995	14.0.3	When certain fonts are used, texts might not be displayed in all the expected places in Spotfire.
TS-77113	14.0.3	When trying to replace an unsigned `.mod` file in an analysis with a signed version of that file, the unsigned `.mod` file is not updated with the signed file.
TS-77187	14.0.3	Sometimes, tooltips do not disappear as expected in a visualization mod.
TS-77220	14.0.3	Spotfire sometimes closes unexpectedly when you edit the value of a document property that uses an invalid IronPython script.
TSDC-7407	14.0.3	When you use Spotfire with the Brazilian Portuguese language pack, an error occurs when you search the library and multiple data connectors in the results share the same display name.
TS-75596	14.0.2	Switching between pages in an analysis while data is being fetched can sometimes cause visualization mods to leak memory.
TS-75624	14.0.2	When using on-demand data tables, internal structures can sometimes be rebuilt unnecessarily, which leads to information link metadata being fetched more often than needed.
TS-75739	14.0.2	When you use Information Designer, Spotfire sometimes stops unexpectedly due to errors on the Spotfire Server.
TS-75819	14.0.2	Renaming a data table column, then loading empty data, and finally loading the actual data again can sometimes make the renaming disappear.
TS-75932	14.0.2	Attempting to copy a visualization or page sometimes causes Spotfire to close unexpectedly.
TS-74534	14.0.1	Tooltips for values on axis scales and in trellis headers are cut off after 100 characters in non-tabular visualizations. The limit has now been increased to 300 characters.

Key	Version	Summary
TS-74563	14.0.1	Using the function *NavigatePeriod* in an expression with an incomplete Axis expression, or using *PruneHierarchy* with incomplete Hierarchy names, causes the application to close unexpectedly.
TS-74576	14.0.1	In trellised map charts, there are no tooltips for the trellis headers.
TS-74579	14.0.1	The cobranding splash screen logo is sometimes cut off during an upgrade of Spotfire.
TS-74591	14.0.1	Using a fixed height on a list box filter in the text area can sometimes lead to too much whitespace in the list box filter.
TS-74690	14.0.1	The *Select deployment area* drop-down list in the login dialog is unresponsive when running on Microsoft Windows Server 2016 and 2019.
TS-74737	14.0.1	The registration of a custom third-party component with an icon prevents the application from starting.
TS-74938	14.0.1	The Administration Manager User Guide is missing the table of contents.
TS-75036	14.0.1	The text area creates and calls rendering code for controls that are not visible, which might cause Spotfire to become unresponsive in certain situations.
TS-75140	14.0.1	When having multiple hierarchy levels in trellis headers, some levels are not shown if a previous level has a very long label.
TS-75195	14.0.1	Clicking an item from the *Lists* panel does not select it.
TS-75207	14.0.1	When using a data connection with more than one view, and one of the views is configured to be loaded on-demand, excluding the output from the on-demand view when adding data prevents the operation from succeeding.
TS-75226	14.0.1	The first time you open RStudio from TERR Tools in the Spotfire Analyst, you might see an error saying that the file `Desktop.ini` is not found.
TS-75268	14.0.1	When sorting KPI charts using *Best first* and *Worst first*, KPIs with empty (null) values are not sorted as expected.
TS-75292	14.0.1	Single point geometries without borders are not shown in table visualizations.
TS-75306	14.0.1	If labels in feature layers in the map chart contain newline characters, the labels are rendered as a single line with ellipsis instead of showing the entire label.
TS-75448	14.0.1	When adding or replacing data from the Data canvas, it is not possible to paste or drag and drop data files into the application.
TS-75451	14.0.1	When using an on-demand data table and caching is enabled, occasionally no data is returned.
TSDC-7292	14.0.1	When you edit an Oracle data connection, in some cases, the *Connection type* radio buttons are empty and do not indicate the selected option.

Key	Version	Summary
TSDC-7305	14.0.1	When you access data with the connector for BigQuery, you cannot use Storage API unless you use a service account.
TSDC-7312	14.0.1	When you access data with the connector for OData, you cannot access `decimal` type data with the `Scale` set to `variable` or `floating`.
TS-61559	14.0.0	When using an information link on demand, the data canvas does not show the updated path and name in the source information after the information link has been renamed, copied, or moved.
TS-61921	14.0.0	When adding many columns to a table visualization at the same time, Spotfire might temporarily become unresponsive.
TS-63958	14.0.0	It is possible to add data functions to an analysis from the content browser even if the 'Execute Data Functions' license has been switched off.
TS-68584	14.0.0	When using the *Find* tool, the search for some columns is never finished.
TS-68968	14.0.0	Temporary files created by Spotfire applications sometimes have double extensions.
TS-71234	14.0.0	When waking up the computer from sleep mode, the Spotfire user interface sometimes becomes blank.
TS-72246	14.0.0	When having many information links in a Spotfire analysis file, and both Information Services and the database are very busy, on rare occasions, parallell data loading never gets finished.
TS-72470	14.0.0	Names from a previous analysis reappear when renaming markings in the *Markings* panel.
TS-72571	14.0.0	Search does not work as expected in drop-down lists when the search does not match any items.
TS-72657	14.0.0	In the *Export data to file* dialog, if you select a file format first, and then switch between *Visualization* and *Data table*, or switch between different visualizations in the *Visualization* drop-down list, the selected file format is lost.
TS-72684	14.0.0	In the text area, links with a `target` attribute do not open a tab in the default web browser.
TS-72722	14.0.0	In the *Markings* panel, custom visualizations are not included in the number of visualizations using a marking.
TS-72782	14.0.0	The active text area is not shown as highlighted in the *Markings* panel.
TS-72798	14.0.0	When replacing a data table, the *Favorites* view in the *Files and data* flyout shows items that cannot be used to replace a data table.
TS-72803	14.0.0	In the *Favorites* section of the *Files and data* flyout, for visualization mods, there is an option to click *Open* in the context menu as well as in the details view. However, this option does not do anything when no data (no analysis) is loaded.

Key	Version	Summary
TS-72819	14.0.0	In the Spotfire® Cobranding user guide, the topic Creating and deploying a cobranding package is missing information about where to find the `Modules` directory.
TS-72828	14.0.0	Multiple scrollbars are shown simultaneously when a long text is added in the *Replace value with* popover.
TS-72938	14.0.0	The PYPI package repository deprecated and removed the `search` function. As a result, the instruction for searching the package repository in the topic " Troubleshooting Downloading Python Packages from a Proxy or Firewall Protected Installation" in the *Python Data Functions in Spotfire* results in an error.
TS-72947	14.0.0	The Spotfire client is not responding when adding many columns to a table visualization.
TS-73080	14.0.0	*Resize columns to fit* does not work correctly for tables and cross tables with vertical headers.
TS-73132	14.0.0	Marking rows in a Spotfire visualization mod is slow when marking more than 100,000 rows.
TS-73174	14.0.0	Images in cross tables can be rendered in the wrong cell.
TS-73609	14.0.0	The map chart marker layer has the wrong icon in the right-click menu of the *Markings* panel.
TS-73623	14.0.0	The custom projection definition (`proj4definition`) and the display name are not always serialized, which causes them to not exist when the file is deserialized.
TS-73626	14.0.0	Switching between pages in an analysis causes a memory leak.
TS-73628	14.0.0	Selecting or adding a large number of predictor columns in the predictive modeling dialog can be slow.
TS-73643	14.0.0	Spotfire becomes unresponsive if you attempt to add a calculated value based on *Column from marked* in a text area.
TS-73778	14.0.0	When running Spotfire with the Korean language pack, the application sometimes closes unexpectedly if you filter to or out marked rows.
TS-73793	14.0.0	In rare cases, changed settings are not applied when clicking OK in the *Add columns* or *Add rows* dialogs.
TS-73814	14.0.0	When adding a drop-down list property control to a text area, it is too easy to accidentally use the Spotfire column property 'ValidInsightPredictor' to store the selectable columns in.
TS-73838	14.0.0	In the dark visual theme, the styling is incorrect on changed filters that are opened from the bottom of the *Filters* panel.
TS-73862	14.0.0	There is no input validation for the KPI chart preference *PreferredTileWidth* in the Administration Manager. When an invalid number has been entered and the *Tools > Options* settings for the KPI chart are reset, Spotfire closes unexpectedly.

Key	Version	Summary
TS-73947	14.0.0	Data is intermittently not formatted correctly if specific regional settings, such as which decimal separator to use, have been changed from the default regional setting.
TS-74055	14.0.0	The status bar shows incorrect information about rows for the current visualization.
TS-74071	14.0.0	When exporting data of the data type `SingleReal` to text or csv files, only the visible number of digits (as specified by the column formatter) are exported, instead of the maximum precision.
TS-74593	14.0.0	Sometimes it is not possible to open the *Markings panel* as expected.
TSDC-7194	14.0.0	When you access data with the connector for Google BigQuery, it is not possible to access repeated columns that contain elements with null values.
TSDC-7223	14.0.0	With the following data connectors, you cannot use the authentication method *Username*: • Apache Spark SQL • Cloudera Hive • Hortonworks
TSDC-7224	14.0.0	When you access data with the connector for Snowflake, it is not possible to add and validate custom queries until all the tables in the database have been loaded.
TSDC-7227	14.0.0	When you click the *Help* button in the Load data from Google Analytics dialog, the user guide does not appear.
TSDC-7244	14.0.0	When you edit a MySQL or an Oracle connection, sometimes the wrong data source settings are applied.
TSDC-7270	14.0.0	When you access data with the connector for TIBCO Data Virtualization, and you use the load method on-demand, it is not possible to use a range input for the on-demand parameter.
TSDC-7281	14.0.0	When you access `Date` and `Datetime` data with the connector for Salesforce, Spotfire does not account for the user's settings in Salesforce for the format of such data (for example YYYY-MM-DD or MM-DD-YYYY), which can result in errors.

Known Issues

The following are known issues in version 14.0 of Spotfire® Analyst.

Key	Version	Summary
TS-62137	14.0.0	**Package installation precedence rules** 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.
TS-67478	14.0.0	**Data connections created with Amazon Redshift in Spotfire 11.5.0 incompatible with earlier versions** Data connections created in Spotfire versions 11.5.0 and later using the TIBCO Spotfire Connector for Amazon Redshift cannot be opened in versions earlier than 11.5.0. **Workaround:** Refresh the schema and perform a table repair for the Data Connection view.
TS-67656	14.0.0	**"Unable to write data" error message** Error message `"Unable to write data to the transport connection: An established connection was aborted by the software in your host machine."` If you see this error, then the data being uploaded to the service is too large. When a Spotfire data function is run, it sends the relevant data from Spotfire to the service for processing. The service has a file size upload limit, the default of which is 100 MB. When a data function is run with data that exceeds this limit, the service returns the error. An administrator can change this upload limit if needed by creating a custom configuration. For more information, see the topic "File size upload limit" in the service *Installation and Administration* guide. If users see this error message, the administrator can consider creating a custom configuration that increases the limits for both of the following properties: • `spring.servlet.multipart.max-file-size`: The total file size for upload cannot exceed the value for this setting. • `spring.servlet.multipart.max-request-size`: The total request size for a multipart file upload cannot exceed the value for this setting. **Note:** At a certain point, the Java Heap size fails to handle very large files. The threshold for this behavior is dependent on the amount of RAM the service node has. When the Java Heap Size is exceeded, the following error message is displayed. `Error from Remote Service: Internal Server Error (500) – java.lang.OutOfMemoryError: Java heap space`

Key	Version	Summary

TS-69770	14.0.0	**Empty String columns in exported SBDF causes an error**
		
		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 data function environment cannot determine the proper Spotfire type to export the data as if all values in the column are missing (in other words, Python's `None`, NumPy's `nan`, or Panda's `NA` or `NaT` values).
		
		Workaround:
		
		To resolve this issue, edit your data function to use the helper function `set_spotfire_types`.
		
		Example
		
		<pre>import pandas as pd
		import spotfire
		df = pd.DataFrame(inp)
		spotfire.set_spotfire_types(df, {'EmptyString': 'String'})</pre>

Installation

The following are instructions on how to install version 14.0 of Spotfire® Analyst.

The 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.

There are separate instructions available for installing Spotfire Analyst without a server on the documentation site.

Installation of Release 14.0

1. First install/upgrade the Spotfire® Server to version 14.0.

2. Deploy the Spotfire 14.0 distribution on the Spotfire Server 14.0.

3. Finally, install Spotfire Analyst 14.0 on all client computers.

Installation Notes

- If the .NET 4.8 framework is not installed, it will be downloaded and installed when launching the "shared_computer" 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 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 14.0 of Spotfire®
Analyst.

Upgrading from Previous Version without Installing

1. First install/upgrade the Spotfire® Server to version 14.0.

2. Deploy the Spotfire 14.0 distribution on the Spotfire Server 14.0.

3. Start the old version of Spotfire Analyst, log on to the Spotfire Server 14.0 and accept the update.

Compatibility Versions

You can use Spotfire 14.0 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 Spotfire 14.0 are updated to versions 14.0 and 12.0 LTS. This means
that .dxp analysis files that you create and save in Spotfire 14.0 can be opened in versions 14.0 and 12.0
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
14.0 LTS	12.5, 12.0 LTS
12.5	12.4, 12.0 LTS
12.4	12.3, 12.0 LTS
12.3	12.2, 12.0 LTS
12.2	12.1, 12.0 LTS
12.1	12.0 LTS, 11.4 LTS
12.0 LTS	11.8, 11.4 LTS
11.8	11.7, 11.4 LTS
11.7	11.6, 11.4 LTS
11.6	11.5, 11.4 LTS
11.5	11.4 LTS, 10.10 LTS
11.4 LTS	11.3, 10.10 LTS
10.10 LTS	10.9, 10.3 LTS

File compatibility example

For example, when you create a `.dxp` analysis file in Spotfire 12.3, the file is saved with compatibility versions for 12.2 and 12.0 LTS. You can open the `.dxp` file in any older Spotfire version that either *is* one of those versions, or has 12.2 or 12.0 LTS as compatibility versions.

That means you can open the `.dxp` analysis file that you saved in Spotfire 12.3 in the following older versions: 12.2, 12.1, and 12.0 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.

Spotfire Documentation and Support Services

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

How to Access Spotfire Documentation

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

The website is updated frequently and is more current than any other documentation included with the product.

Spotfire Documentation

The documentation for all Spotfire products is available on the Spotfire Documentation page. This page takes you directly to the latest version of each document.

To see documents for a specific Spotfire product or version, click the link of the product under 'Other versions', and on the product page, choose your version from the top right selector.

Release Version Support

Some release versions of Spotfire products are designated as long-term support (LTS) versions. LTS versions are typically supported for up to 36 months from release. Defect corrections will typically be delivered in a new release version and as hotfixes or service packs to one or more LTS versions. See also https://spotfi.re/lts.

How to Contact Support for Spotfire Products

You can contact the Support team in the following ways:

- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the support portal at https://spotfi.re/support.

- For creating a Support case, you must have a valid maintenance or support contract with Cloud Software Group, Inc. You also need a user name and password to log in to https://spotfi.re/support. If you do not have a user name, you can request one by clicking **Register** on the website.

System Requirements for Spotfire Products

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

How to join the Spotfire Community

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

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