TIBCO Spotfire® Professional

Release Notes

Software Release 4.5.1
February 2013

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Preface

Topics

- Typographical Conventions, page iii
- Connecting with TIBCO Resources, page iv

Typographical Conventions

The following typographical conventions are used in this manual.

General Typographical Conventions

Convention	Use
`code font`	Code font identifies commands, code examples, filenames, pathnames, and output displayed in a command window. For example: Use `MyCommand` to start the foo process.
`bold code font`	Bold code font is used in the following ways: • In procedures, to indicate what a user types. For example: Type **`admin`**. • In large code samples, to indicate the parts of the sample that is of particular interest. • In command syntax, to indicate the default parameter for a command. For example, if no parameter is specified, `MyCommand` is enabled: `MyCommand [ enable | disable]`
`italic font`	Italic font is used in the following ways: • To indicate a document title. For example: See *`Concepts`*. • To introduce new terms For example: A portal page may contain several portlets. *`Portlets`* are mini-applications that run in a portal. • To indicate a variable in a command or code syntax that you must replace. For example: `MyCommand` *`PathName`*
Key combinations	Key name separated by a plus sign indicate keys pressed simultaneously. For example: Ctrl+C. Key names separated by a comma and space indicate keys pressed one after the other. For example: Esc , Ctrl+Q.
	The note icon indicates information that is of special interest or importance, for example, an additional action required only in certain circumstances.
	The tip icon indicates an idea that could be useful, for example, a way to apply the information provided in the current section to achieve a specific result.
	The warning icon indicates the potential for a damaging situation, for example, data loss or corruption if certain steps are taken or not taken.

Connecting with TIBCO Resources

How to Join TIBCOmmunity

TIBCOmmunity is an online destination for TIBCO customers, partners, and resident experts, a place to share and access the collective experience of the TIBCO community. TIBCOmmunity offers forums, blogs, and access to a variety of resources. To register, go to http://www.tibcommunity.com.

How to Access All TIBCO Documentation

After you join TIBCOmmunity, you can access the documentation for all supported product versions here:

http://docs.tibco.com/TibcoDoc

How to Contact TIBCO Spotfire Support

For comments or problems with this manual or the software it addresses, please contact TIBCO Spotfire Support as follows.

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

  http://www.tibco.com/services/support

- If you already have a valid maintenance or support contract, visit this site:

  https://support.tibco.com

  Entry to this site requires a user name and password. If you do not have a user name, you can request one.

Release Notes

Check the TIBCO Product Support web site at https://support.tibco.com for product information that was not available at release time. Entry to this site requires a username and password. If you do not have a username, you can request one. You must have a valid maintenance or support contract to use this site.

See the TIBCO® Spotfire® System Requirements web page for a detailed description of the system requirements for TIBCO® Spotfire® 4.5.1.

Topics

- New Features, see page 2
- Changes in Functionality, see page 4
- Deprecated and Removed Features, see page 5
- Migration and Compatibility, see page 6
- Closed Issues, see page 7
- Known Issues, see page 9

New Features

This section lists features added since the last release of this product.

Release 4.5.1

The following are new features in this release.

Bullet Graph

- A bullet graph visualization has been introduced. It is a miniature visualization that can be included in the graphical table or the text area. The bullet graph is considered a superior way of displaying information usually visualized by a speedometer.

  Specifically, bullet graphs are used to compare one value, represented by a horizontal bar, to another value, represented by a vertical line, and relate those to qualitative ranges.

Support for Matlab as Statistics Engine

- Via Data Functions it is now possible to take advantage of MATLAB engines connected to TIBCO Spotfire Statistics Services.

Support for SAS as Statistics Engine

- Via Data Functions it is now possible to take advantage of SAS engines connected to TIBCO Spotfire Statistics Services.

Enhanced PDF Export

- The PDF Export has been improved. There are now options to export visualizations as vector graphics, greatly improving image quality. More options for headers and footers have been added, giving more control of the final result.

  It is also possible to batch export a series of sheets from one and the same analysis. A user can select to export several versions of the analysis at the same time, based on filter options and bookmarks.

API Additions

- API has been added to specify multiple selections in PersistentDataView

Sparklines

- It is now possible to adjust the color and thickness of sparklines.

Graphical Table

- The graphical table now supports drag and drop and more direct manipulation via context menus.

Page Handling

- Right click menu items for “Delete All Pages” and “Delete All But This Page” has been added.

Changes in Functionality

This section lists changes in functionality since the last release of this product.

Release 4.5.1

The following are changed features in this release.

Axis Labels

- The axis labels in the visualizations have been improved and display the start and end values of the axis scale range in a better way.

Deprecated and Removed Features

Release 4.5.1

Deprecated Features

No features are deprecated in this release.

Removed Features

No features are removed in this release.

Migration and Compatibility

This section explains how to migrate from a previous release to this release.

Release 4.5.1

Installation

1. First install/upgrade the TIBCO® Spotfire® Server to version 4.5.1.
2. Install TIBCO® Spotfire® Professional 4.5.1.
3. Note: If the TIBCO® Spotfire® 3.1.0 Professional or older is installed, it is recommended to uninstall it prior to installing the TIBCO® Spotfire® Professional 4.5.1.
4. Finally, deploy the TIBCO® Spotfire® 4.5.0 distribution on the TIBCO® Spotfire® Server 4.5.1.

Upgrading from previous version without installing

1. First install/upgrade the TIBCO® Spotfire® Server to version 4.5.1.
2. Deploy the TIBCO® Spotfire® 4.5.1 distribution on the TIBCO® Spotfire® Server 4.5.1.
3. Start TIBCO® Spotfire® Professional 4.0.2, logon to the TIBCO® Spotfire® Server 4.5.1 and accept the update.

Installation Notes

1. To make the "TIBCO Spotfire 4.5.1 - User's Manual" PDF appear when the end users select Help > PDF Manuals..., the file must be copied to the TIBCO Spotfire Server as described in the "TIBCO Spotfire Server 4.5 - Installation and Configuration Manual".
2. If the .NET 4.0 framework is not previously installed, it will be downloaded and installed when launching the TIBCO® Spotfire® Client installer.
3. If the product localization is defined as a user group preference, a client restart is required after the first contact with 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 published 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.

Closed Issues

The table in this section list issues that were closed in the named releases.

Key	Summary
TS-28166	Incorrect parsing of single quote in data import from text file.
TS-28193	High performance hit on tabular plots for version 4.0.2, when marking, while on a IE7 XP machine.
TS-24540	Very large number of parameter values when executing Information Links causing OutOfMemoryError, Java heap space and Spotfire DB expanding to fill disk space (650GB).
TS-24373	Add logging for script trust.
TS-24261	Link renderer does not work when linked to image using UNC path convention.
TS-24069	Add new API for specifying multiple selections in PersistentDataView.
TS-24062	Some outlier values are not visible in the Box Plot.
TS-23994	Script formatting is not retained when DXP file is closed and re-opened.
TS-23993	Scripts not retaining 'trusted' status after being closed and re-opened.
TS-23936	Column name change in Information Designer is inconsistent when doing replace data table.
TS-23926	Button formatting in Text Area is not working, being overwritten and different when exiting Edit mode.
TS-23898	Bookmark download generates abnorm queries.
TS-23874	Crash when creating a detailed visualization from a heat map visualization.
TS-23779	4.0.x Crash when saving analysis (locally) and the server cannot be reached.
TS-23720	1. Open information Designer or Automation Services Job Builder. 2. Make some changes. 3. Close the main DXP window, click the windows X button. 4. In the "Do you want to save changes..." dialog, select Cancel. Result: The application is closed without saving changes.

TS-23580	Sparklines looks like dotted lines when exporting to PDF.
TS-23543	Adjust color and line thickness for sparklines.
TS-23484	Images added to text area are not shown in the Web Player.
TS-23433	Add support for SAS and Matlab from the Data Function UI.
TS-23345	Add the ability to close all page tabs including/excluding the current page to the tab context menu.
TS-23336	Some parts in the combination chart properties dialog is not described in the help.
TS-23265	Malformed element column name values when using Information Link with join on two data sources with modified SQL.
TS-23245	Hebrew text is reversed in PDF output.
TS-22977	Support drag, drop and direct configuration of graphical table.
TS-22856	Column property named ColumnType has incorrect values in documentation.
TS-22228	Context menu in graphical table should be smarter on what opens when selecting Properties.
TS-21533	Manual should be more clear about Error bars not working with Stacked bars.
TS-21508	Axis ranges are rounded below maximum value of data.
TS-7961	Columns get switched when adding external columns.
TS-7778	Failure to open Excel document from Google docs.
TS-7172	Can't open Excel 2010 files protected by password.

Known Issues

The table in this section lists known issues in this release.

Key	Summary/Workaround
TS-24612	**Summary** When setting a document property value from expression in a property control in the text area, it is not possible to select columns from any data table. **Workaround** Change the default data table in Data Table Properties.
TS-24593	**Summary** When using certain fonts in a Cross Table, the text can appear slightly misplaced when exporting to PDF. **Workaround** Use standard fonts, for example Arial.
TS-24486	**Summary** Transparent lines is not rendered correctly in Export to PDF when using Vector graphics mode. **Workaround** Do not use transparent lines if you intend to export the analysis to PDF.
TS-24452	**Summary** The value bars in bullet graph get a white border when exported to PDF. **Workaround** None
TS-24436	**Summary** When having multiple trellis panels, the Coloring property page shows the colors for the first trellis panel. The other panels may have a different color configuration but that cannot be seen in the property page. **Workaround** None
TS-23254	**Summary** All HTML-based visuals stop responding when running AVG anti-virus software. **Workaround** Turn off or disable AVG anti-virus software features “LinkScanner” and “E-mail protection”.
TS-24512	**Summary** When exporting a map chart to PDF using vector graphics, the map is not rendered correctly. **Workaround** Use raster graphics when exporting a map to PDF.
TS-24601	**Summary** Tiled markers in a scatter plot have a line drawn diagonally over them when exporting to PDF. **Workaround** None
TS- 24535	**Summary** Bars disappear (or become too thin to see) when exporting to PDF, when there are many bars in a bar chart. **Workaround** Use raster graphics when exporting to PDF.
TS-24479	**Summary** Exporting a heat map with many rows to PDF with vector

Key	Summary/Workaround
	graphics becomes "empty". **Workaround** Use raster graphics when exporting to PDF.
TS-24502	**Summary** When exporting a table visualization with columns rendered as links to PDF, the underline will become a strikethrough. **Workaround** Use raster graphics when exporting to PDF.
TS-24395	**Summary** Hebrew characters in visualizations and header or footer are not correctly rendered in exported PDF. **Workaround** None
	Summary It is not possible to connect to a server from a machine in another NT domain by using Run As when launching Spotfire. **Workaround** None
	Summary Hardware graphics acceleration may not work on older graphics cards or if the drivers are not up to date. **Workaround** None
TS-24580	**Summary** Rendering is slow on machines with ATI Radeon graphics. **Workaround** None
	Summary Certain graphics cards and drivers lead to crashes, slow response times, blank visualizations, or missing shapes when hardware acceleration is used. This is known to happen on Dell Dimension 9200 / NVidia 7900 Graphics driver: version 7.15.11.5824 but may happen on other system configurations as well. **Workaround** Upgrading to the latest graphics driver may resolve these issues. If not, hardware acceleration can be turned off under Tools > Options > Application.
	Summary The 3D Scatter Plot is not supported in a Citrix environment since the plot requires hardware acceleration. **Workaround** None
	Summary Filtering in the Data Relationships results table will prevent re-calculating the Data Relationships **Workaround** Reset filters and Data Relationships can be re-calculated again.
TS-2762	**Summary** Large fonts (120DPI) sometimes cause the lower half of screen and the rightmost part of the screen to be outside the physical screen. **Workaround** None
TS-11287	**Summary** You will be prompted for a username and password if using Support Diagnostics in TIBCO® Spotfire® while using a TIBCO® Spotfire® Statistics Services with authentication enabled. No TIBCO® Spotfire® Statistics Services information will be displayed if cancelling or failing to supply the correct username or password. **Workaround** None

Key	Summary/Workaround
TS-10200	**Summary** The automatic download mechanism will fail if a restricted user tries to install the application as an administrator by choosing “Run As Administrator”. **Workaround** None
TS-2173	**Summary** Using "limit data by marking" for a line chart used in K-means or Line similarity may produce unexpected results if data is reloaded or when using an on-demand table. The reason is that the marking may be different. **Workaround** Turn off the "limit data by marking" feature to avoid this kind of issues.