TIBCO Spotfire® Metrics Services Release Notes

Software Release 6.5.1
July 2014

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TIBCO Spotfire® Metrics Services Release Notes

Welcome to TIBCO Spotfire® Metrics Services.

Spotfire Metrics Services provides the back end service and configuration for Spotfire Metrics Modeler.

TIBCO Spotfire® Metrics Services Documentation and Support Services

All TIBCO documentation is available in the TIBCO Documentation Library, which can be found here:

https://docs.tibco.com

Product-Specific Documentation

The following documents for this product can be found in the TIBCO Documentation Library at the following links:

- TIBCO Spotfire Metrics Services

  - *TIBCO Spotfire® Metrics Release Notes*
  - *TIBCO Spotfire® Metrics License Agreement*
  - *TIBCO Spotfire® Metrics Services Prerequisites and Installation*

System Requirements

For a list of system requirements for this product and other TIBCO Spotfire® products, visit this site:

http://support.spotfire.com/sr.asp

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, contact TIBCO 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.

How to Join TIBCOmmunity

TIBCOmmunity is an online destination for TIBCO customers, partners, and resident experts. It is 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

TIBCO Spotfire® Metrics Services Version 6.5.1 Release Notes

The Release Notes for TIBCO Spotfire® Metrics Services 6.5.1 are provided to inform you of new features, known issues, and issues from previous releases that have been closed.

These release notes are for Spotfire Metrics Services, July 2014.

General Improvements

This release of Spotfire Metrics Services focuses on supporting improvements to creating users and groups, and on accessing help.

TIBCO Spotfire® Metrics Services Version 6.5.1 New Features

The following new features have been added to version 6.5.1 of TIBCO Spotfire® Metrics Services.

Secure LDAP over SSL

You can now enable a secure LDAP over SSL (LDAPS) in TIBCO Spotfire® Metrics Services.

HTTPS (SSL) Connections to Spotfire Data Views

TIBCO Spotfire® Metrics Services now supports an HTTPS connection to TIBCO Spotfire® Server Information Services.

TIBCO Spotfire® Metrics Services Changes in Functionality Features and Compatibility Version 6.5.1

From release to release, we might change the functionality, deprecate, or remove features in TIBCO Spotfire® Metrics Services. In cases where product changes require migration procedures, we provide information for that purpose.

Changes in Functionality

This release of Spotfire Metrics Services has no changes in functionality.

Migration and Compatibility

In the previous releases, providing the whole path to a data source was optional. This release of Spotfire Metrics Services requires you to modify your connection string to a Spotfire data source to include either HTTP or HTTPS (depending on whether you are using SSL). Modify this setting in the **Data Sources** tab of Spotfire Metrics Modeler. For example:

- For connections not using SSL, you must include the full path: `Host= http://myserver.domain/ SpotfireWeb;Path=myName/dataname;Uid=;Pwd= ;`

- For connections using SSL, you must include the full path, specifying HTTPS: `Host= https:// myserver.domain/SpotfireWeb;Path=myName/dataname;Uid=;Pwd= ;`

TIBCO Spotfire® Metrics Modeler and TIBCO Spotfire® Metrics Services Closed Issues Version 6.5.1

The following list consists of closed issues in both TIBCO Spotfire® Metrics Modeler and TIBCO Spotfire® Metrics Services 6.5.1.

Key	Issue
TSMSVCS-347	Active Directory users upgrading from Spotfire Metrics Services version 6.0.0 to 6.5.0 would lose access in both the Spotfire Metrics Modeler and the Viewer. All tabs in the Spotfire Metrics Modeler would be unavailable, and KPIs were not available in the Viewer. This issue has been fixed.
TSMSVCS-283	If you point a Spotfire Metrics Client App to the Application Service, favorites did not persist. This issue has been resolved. We recommend pointing to the Viewer Service.

Key	Issue
TSMSVCS-265	Min, Max, and Avg labels showed the color layout as reversed when the KPI threshold was set as **decreasing is better** (that is, anything less than threshold lower limit should be green and anything above the upper limit should be red). This issue has been resolved.
TSMSVCS-257	The documentation was missing key information about LDAP configuration. This issue has been resolved.
TSMSVCS-243	When you tried to save an LDAP group, an error would be generated. This issue has been resolved.
TSMSVCS-238	Spotfire Metrics Modeler would return an incorrect value for summarized % calculations. This issue has been resolved.
TSMSVCS-220	Saving a value with a format with 0 decimal points resulted in the format string resulted in an errant dot as part of the string. Now, a dot appears only for decimal digits.
TSMSVCS-218	Editing a KPI created with a custom format could cause the product to become unstable on the KPI Measures screen. This issue has been resolved.
TSMSVCS-213	The Metrics Modeler 64-bit was erroneously being installed in the Program Files (x86) directory. It now installs in the correct Program Files directory.
TSMSVCS-211	If you changed the row order by switching two rows, the old rows would remain, and new rows would be created, thus doubling the row numbers. This issue has been resolved.
TSMSVCS-209	Windows authentication for SQL server failed to install. This issue has been resolved.
TSMSVCS-204	Percentages were not being returned by the server as percentages, but rather as whole numbers. This issue has been resolved.
TSMSVCS-190	Drilling into hierarchies resulted in a performance degradation. This issue has been resolved.
TSMSVCS-188	If you reinstalled Spotfire Metrics Services and supplied a new password, Metrics would retain the previous password and not recognize the new password. This issue has been resolved.
TSMSVCS-187	Spotfire Metrics Services silent installer performed differently across different authentication modes for SQL. This issue has been resolved.
TSMSVCS-179	Creating a KPI Set and saving it to the server would result in an error if the server was not ready to accept the action. The server now queues requests correctly.
TSMSVCS-174	A user whose status was set to Inactive could log in to the Spotfire Metrics Modeler. This issue has been resolved.

Key	Issue
TSMSVCS-168	The web service stored comments with the create date set as UTC (GMT), but the dates were converted to local time on the server before being sent to the clients. This issue has been resolved.
TSMSVCS-155	Individual users would see different data when logging in to the TIBCO Spotfire Modeler, even if they had the same constraints assigned to them or to their group. This issue has been resolved.
TSMSVCS-152	Duplicate user groups were displayed in the Spotfire Modeler when pointing to an existing Spotfire Metrics Database.
TSMSVCS-127	The Last Modified date in the Manage Roles section of Spotfire Modeler defaulted to 1/7/2014. Now it reflects the date of installation.
TSMSVCS-125	During installation of the Spotfire Metrics Modeler on a Windows client OS (Win 7 X64 Enterprise SP2 in this case), the Microsoft UAC dialog appeared and displayed the program name field as `54a0f46.msi`. It now displays the correct product name.
TSMSVCS-85	Adding large Active Directory user groups could fail due to Active Directory sending a response error. This issue has been resolved.

TIBCO Spotfire® Metrics Modeler and TIBCO Spotfire® Metrics Services Version 6.5.1 Known Issues

The table lists known issues in version 6.5.1 of TIBCO Spotfire® Metrics Modeler and TIBCO Spotfire® Metrics Services.

Summary
Summary: Installing the TIBCO Spotfire® Metrics Viewer Standalone requires additional configuration.
Workaround: You can install the Spotfire Metrics Viewer Service standalone by clearing the option **Application Service** when you run the Spotfire Metrics Services installer. After clearing this option, you must perform the following steps: 1. Browse to the `Viewer Service` folder. 2. Locate and open the file `web.config`. 3. Manually set the `WebServiceRoot` key to the Service URL and port.

Summary
Summary: Spotfire Metrics Modeler allows a user to set up a data source connection to a Microsoft Excel Workbook. When a user clicks Test Connection, the status always returns "Test Succeeded" regardless of whether Spotfire Metrics Services is set up correctly. Ensure that the server with Spotfire Metrics Services installed also has the correct Microsoft Excel OLEDB data provider installed. **Workaround**: To install the Microsoft Excel OLEDB data provider, install the Microsoft Access Database Engine 2010 Redistributable on the same server where Spotfire Metrics Services is installed. Below is the link to the Microsoft Access Database Engine 2010 Redistributable: http://www.microsoft.com/en-us/download/details.aspx?id=13255
Summary: When you specify a Microsoft® Office Excel workbook as a data source, note that only data for the first 255 columns is retrieved. Column data beyond that is truncated. This is a limitation of the Microsoft Office Excel data provider. **Workaround**: There is no workaround. Recommend editing data source, if possible.
Summary: Ports used during Spotfire Metrics Services installation may need additional Windows Firewall configuration to facilitate external access. The Spotfire Metrics Services installation program provides an option to specify ports that should be used. If the ports do not have an associated Windows Firewall inbound rule to allow external connections, users will not be able to connect to Spotfire Metrics Services. **Workaround**: Contact your network administrator for assistance with configuring network ports.
Summary: If you have a large number of users in Active Directory, the first time you synchronize Active Directory to Spotfire Metrics Services can take several minutes. **Workaround**: There is no workaround.
Summary: When you create a report link for a KPI, Spotfire Metrics Modeler does not validate that the URL has the required HTTP or HTTPS. **Workaround**: Make sure you include HTTP or HTTPS when you create the report link.

TIBCO Spotfire Metrics Version 6.5 Release Notes

The Release Notes forTIBCO Spotfire® Metrics 6.5 are provided to inform you of new features, known issues, and issues from previous releases that have been closed.

These release notes are for Spotfire Metrics Modeler and Spotfire Metrics Services, April 2014.

General Improvements

This release of Spotfire Metrics focuses on supporting improvements to security via improved permissions and roles management.

Additionally, this release supports connecting to all data sources previously available only to TIBCO Spotfire®. (For a complete list, see spotfire.tibco.com.)

TIBCO Spotfire Metrics 6.5 New Features and Enhancements

TIBCO Spotfire® Metricsprovides additional enhancements in the version 6.5 release.

Enhancement	Description
Connection to Spotfire Data Sources	Spotfire Metrics can consume data prepared in Spotfire . Customers with full Spotfire deployments can reuse their existing data views and Information Links, centrally managed and governed.
Query Join	KPIs can be built on queries joined in Spotfire Metrics Services. For example, this allows sales data to pull from an operational system, while sales targets and territory owners can be managed and imported from an Excel file.
Improved deployability & security	• Role-based permissions enforce separate administration and KPI authoring roles. • In addition to Microsoft® Active Directory, Spotfire Metrics now supports additional third party LDAP providers for user directory integration. • Only valid administrators or authors are allowed to log in to the Spotfire Metrics Modeler client. • All services now require credentials for a valid, active user to authenticate.

TIBCO Spotfire Metrics 6.5 Changes in Functionality, Features, and Compatibility

From release to release, we might change the functionality, deprecate, or remove features in TIBCO Spotfire® Metrics. In cases where product changes require migration procedures, we provide information for that purpose.

Changes in Functionality

Previously, for Spotfire Metrics Modeler, the Viewer Service, and all client apps, you could log in using just your user name and password. In this release, for LDAP domains, you must supply both your domain name and user name (that is, *LDAPDomain\UserName*).

Migration and Compatibility

This release of Spotfire Metrics Modeler and Spotfire Metrics Services requires no migration procedures and has no compatibility issues.

Closed Issues for TIBCO Spotfire Metrics 6.5

The list of closed issues in TIBCO Spotfire® Metrics 6.5.

Key	Issue
TSMR-540	In Spotfire Metrics Modeler, in **Manage Thresholds**, if the option **Decreasing is Better** was chosen, when the KPI Set was saved, the values for the thresholds were reversed.
TSMSVCS-1	No indication about the server connection state was available.

Key	Issue
TSMSVCS-2	It was possible to delete all connections, but still edit entities because of a faulty persistent state.
TSMSVCS-6	Previously, the calculated column expression validation did not allow saving.
TSMSVCS-7	Previously, if you uninstalled Spotfire Metrics Modeler and then reinstalled it, all previous connections persisted.
TSMSVCS-12	An attempt to preview an Excel query would result in the closing of the preview and a query refresh.
TSMSVCS-13	The **Connection String** box in the **Datasource** tab contained the text "excel" after it had been edited and assigned a different connection type.
TSMSVCS-14	If you created multiple feeds and assigned permissions to one of the feeds, all feeds would disappear.
TSMSVCS-17	Previously, an active connection could be deleted.
TSMSVCS-21	On Microsoft Windows® 7 and Windows 8, Spotfire Metrics Modeler would appear to take a large amount of CPU even when it was not being used.
TSMSVCS-27	Permissions assigned at the group level were not honored.
TSMSVCS-29	If you edited a data source so its connection was no longer valid, the column status sometimes did not updated unless you clicked **Test Connection**.
TSMSVCS-34	If you edited and saved a group, and then attempted to edit a second group, the user interface would display the first group's name and alias, rather than reset to show the second group.
TSMSVCS-37	The context help for deleting a permission was incorrect: it displayed advice about removing a constraint rather than a permission. This message has been removed.
TSMSVCS-38	Importing users from a CSV did not import users as expected. Redesign has removed this issue.
TSMSVCS-39	If you clicked **Preview** multiple times in a query window, headers would display multiple times, but the data would not.
TSMSVCS-41	**Delete** did not prompt for a confirmation before deleting an account. This increased the likelihood of an inadvertent delete.
TSMSVCS-42	Creating a google spreadsheet data source caused the context help for **Save** to be removed.
TSMSVCS-46	It is possible to create a KPI that returned infinity, but the Viewer was unable to handle this value, which would cause it to close unexpectedly.
TSMSVCS-47	It was possible to add empty comments.

Key	Issue
TSMSVCS-53	A value formatted as a date in a KPI set would be converted to the string format in the Metrics Viewer.
TSMSVCS-60	The **Sort by Status** for KPI displayed an unexpected sort order.
TSMSVCS-61	If you selected the chart type Grid in a KPI, the chart type did not appear in the chart type drop-down list, as expected.
TSMSVCS-64	The installer did not check that the required MVC 4 was installed, which would cause an error in the Viewer Service.
TSMSVCS-65	Metrics installation did not allow custom applicaiton names, making a custom deployment difficult and prone to error.
TSMSVCS-66	The installer did not warn if the SQL Server metadata database name already existed, or check for an invalid schema.
TSMSVCS-67	The installation failed with a connection error if SQL Server authentication was used instead of a domain account.
TSMSVCS-68	Accepting the defaults for the App Pool settings would cause an invalid user error. Changes to login credential prompting have been implemented to address this issue.
TSMSVCS-138	It was possible to make a direct API call against the application server without authentication.
TSMSVCS-139	Group-based constraints did not work as expected.
TSMSVCS-141	Previously, you could connect to only a single data source. You can now use the Query Join functionality.
TSMSVCS-142	If you drilled down into a KPI, it was difficult to determine the level and KPI name because the path and KPI name were truncated.
TSMSVCS-143	Users were limited to membership in only one group.
TSMSVCS-145	You could import users from Active Directory, but you had to grant individual access to KPIs.

Known Issues for TIBCO Spotfire Metrics 6.5

We have provided a description of Known Issues for your information.

Installing the Spotfire Metrics Viewer Standalone Requires Additional Configuration

You can install the Spotfire Metrics Viewer Service standalone by clearing the option Application Service when you run the Spotfire Metrics Services installer. After clearing this option, you must perform the following task:

1. Browse to the `Viewer Service` folder.
2. Locate and open the file `web.config`.

3. Manually set the `WebServiceRoot` key to the Service URL and port.

Testing a Connection to a Microsoft Excel Workbook may Incorrectly Display "Test Succeeded"

Spotfire Metrics Modeler allows a user to set up a data source connection to a Microsoft Excel Workbook. When a user clicks Test Connection, the status always returns "Test Succeeded" regardless of whether Spotfire Metrics Services is set up correctly. Ensure that the server with Spotfire Metrics Services installed also has the correct Microsoft Excel OLEDB data provider installed.

To install the Microsoft Excel OLEDB data provider, install the Microsoft Access Database Engine 2010 Redistributable on the same server where Spotfire Metrics Services is installed.

Below is the link to the Microsoft Access Database Engine 2010 Redistributable:

http://www.microsoft.com/en-us/download/details.aspx?id=13255

Column Limitation for Microsoft Excel Data Sources

When you specify a Microsoft® Office Excel workbook as a Spotfire Metrics data source, note that only data for the first 255 columns is retrieved. Column data beyond that is truncated. This is a limitation of the Microsoft Office Excel data provider.

Additional Windows Firewall Configuration

Ports used during Spotfire Metrics Services installation may need additional Windows Firewall configuration to facilitate external access.

The Spotfire Metrics Services installation program provides an option to specify ports that should be used. If the ports do not have an associated Windows Firewall inbound rule to allow external connections, users will not be able to connect to Spotfire Metrics Services. Contact your network administrator for assistance with configuring network ports.

Initial Active Directory Synchronization

If you have a large number of users in Active Directory, the first time you synchronize Active Directory to Spotfire Metrics can take several minutes.

Duplicate Admin Groups

If you upgrade or otherwise reinstall Spotfire Metrics Services, a new version of the Admin Group is created, resulting in duplicate groups.

To address this issue, open to the Spotfire Metrics Modeler, and click **Manage Groups**. Click **Delete** to remove duplicates.