

TIBCO Spotfire® Server Deployment and Administration

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TIBCO Spotfire Server Documentation and Support Services

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

<http://docs.tibco.com>

TIBCO Spotfire Server Documentation

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

- *TIBCO Spotfire® Server Release Notes*
- *TIBCO Spotfire® Server Quick Start Guide*
- *TIBCO Spotfire® Server Installation and Configuration Guide*
- *TIBCO Spotfire® Server Web Services API*
- *TIBCO Spotfire® Server Platform API Reference*
- *TIBCO Spotfire® Server Information Services API Reference*
- *TIBCO Spotfire® Server License Agreement*

Product 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.

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TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to:

<http://www.tibcommunity.com>

Spotfire Deployment and Administration

After installing the TIBCO Spotfire® Server, the administrator works in both in the server and in the Spotfire Professional Client to configure user lists, packages, and account settings.

Spotfire Deployment and Administration are composed of two distinct sets of tasks.

- Spotfire deployment includes deploying packages to be downloaded automatically by Spotfire clients, creating users and groups, setting up licenses, and setting up the library.
- Spotfire administration includes performing tasks like adding new users and groups to the system, manage licenses, and upgrading to new versions.

All of these tasks are performed using different tools available in Spotfire. You can find further assistance in the online help of each tool.

The Spotfire Administrator

The TIBCO Spotfire® Administrator (Admin) is a Spotfire user with administrative privileges. The Admin is responsible for adding users and groups, configuring licenses and preferences, and deploying new packages.

The Admin can be, but does not need to be, the same person as the TIBCO Spotfire® Server administrator. When the Spotfire Server is installed, the server administrator assigns Spotfire Admin privileges to a Spotfire user (and creates it if necessary). This user becomes the first Spotfire Admin. He or she can then assign Admin privileges to other Spotfire users as needed.

TIBCO Spotfire Administrative Tools

TIBCO Spotfire® has three tools for performing administrative tasks. Spotfire Admins must be familiar with all three tools.

TIBCO Spotfire Administration Console

Each TIBCO Spotfire® Server has a web-based administration UI called the TIBCO Spotfire Administration Console. Use the Administration Console to:

- Set up users and groups.



If your organization uses an external mechanism such as an LDAP server for user and group management, then you do not use the Administration Console for user and group management.

- Create and upload deployments.

The Administration Console can be reached by a standard web browser using the URL `http://spotfireserver/spotfire/administration/`, where `spotfireserver` is the hostname of a Spotfire Server. If you work in a clustered environment, it does not matter which server in the cluster you use. Changes made to one server are stored in the Spotfire Database and are available to all servers.



If your Spotfire Server cluster deployment includes a load balancer, to use the Administration Console, use the load balancer hostname in place of `spotfireserver`.

TIBCO Spotfire Administration Manager

In the Spotfire client, on the **Tools** menu, you can find the Administration Manager. Use the Administration Manager to:

- Set up licenses and preferences.
- Create new users and groups.

TIBCO Spotfire Library Administration

The Library Administration tool, also available in the Spotfire client, is used to administer the Spotfire Library. Spotfire users publish and share analyses and data with each other using the Spotfire Library.

Use the Library Administration tool to export or import Library content, for example when you need to back up the contents, or to move content from one server to another, such as from a test instance to one used in production.

TIBCO Spotfire Server Logs and Diagnostics

For each TIBCO Spotfire® Server, you can view logs and diagnostics in the Server Logs and Diagnostics tool, available at the URL `http://spotfireserver:80/spotfire` (where `spotfireserver` is the name of the Spotfire Server.)

Log in as a user who has either TIBCO Spotfire® Administrator or Spotfire Diagnostics Administrator permissions. For more information about Spotfire permissions and administrator roles, see [Set Up Groups](#).

- Server logs can provide detailed information about what is happening on the server, such as access logs, SOAP communication, Information Links that are used, and so on.
- Diagnostics can provide information about the server itself, such as information about the database server, the operating system, Spotfire Server, the cluster configuration, the application server, the system, and the Java version.



Any changes made to the log configuration using this tool are reverted when the Spotfire Server is restarted. To change the default log level, you must manually edit a configuration file on the Spotfire Server. See the *TIBCO Spotfire Server - Installation and Configuration Manual* for more information about changing the logging level.

Set Up TIBCO Spotfire

After the TIBCO Spotfire® Server is installed and configured, the TIBCO Spotfire® Admin must complete a series of configuration and deployment tasks before users can begin to use Spotfire.

Study the Spotfire deployment model and the user and group model, and read the various tools' associated help before you begin the series of tasks required for a successful Spotfire deployment.

1. Deploy Spotfire packages.
2. Install Spotfire on a computer.
3. Set up Users, Groups, Licenses and Preferences.
4. Set up the Spotfire Library.
5. Install Spotfire for all users.

Spotfire Package Deployment

After installing TIBCO Spotfire® Server, the TIBCO Spotfire® Admin must create an initial deployment. It is also important that any client hotfixes released by TIBCO, or any other add-on software, are deployed to the server. It is important that these packages are deployed to the server for the clients to work properly. Then, when a user logs into Spotfire, the client checks for new software packages on the server and automatically updates the client if any are found.

When you install the Spotfire Server for the first time, the default deployment area is created, and the name of that area is set to "Production". Deployment areas can then be set for groups in the Spotfire database, and when one is set for a group, all group members can access the deployments in that area.

You do not need to specify a deployment area for the Deployment Administrator and Administrator groups. These groups can access all deployment areas.

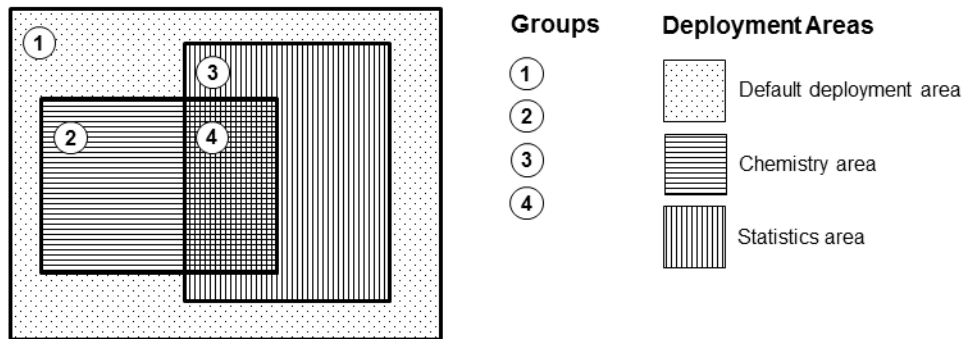


It is possible to add, delete and rename deployment areas. The default deployment area can be changed but not removed. The default deployment area is ignored for a user as soon as a deployment area is specified for a group the user belongs to. If no deployment area is set for a group, the group members get the default deployment area.

The Administrator uses the **Groups** tab to assign deployment areas. When a user logs into the Spotfire client, one of the following happens:

Deployment Area Specified	Result
Specified for one, and only one, of the groups the user is a member of.	The user gets the packages for the specified area and is not prompted to choose deployment area.
More than one deployment area is available because the user belongs to several groups with different deployment areas assigned.	The user is prompted to choose between the deployment areas set for the different groups.
No deployment area is specified for any groups the user belongs to.	The user gets the default deployment area.

Example: Multiple Deployment Areas



When users in the following groups log into Spotfire, the following occurs:

- Group 1: Because no deployment area is assigned, these users get the default deployment area. They are not prompted to select a deployment area.
- Group 2: Users get the Chemistry deployment area. They are not prompted to select deployment area.
- Group 3: Users get the Statistics deployment area. They are not prompted to select deployment area.
- Group 4: Users are prompted to select between the Statistics and the Chemistry deployment areas.

If a group of users cannot run a certain version of the Spotfire client, or if you want to specify a group of "early adopters" try out a new version of the Spotfire client, for example, you can do this easily by assigning a specific deployment area to those groups, so other users not in the group are not affected. By assigning different deployment areas to different groups, you can have fine-grained control over the deployments available to any group.

A test area can be created and used as a staging server, and when confident that everything works as it should, you can move that deployment to areas "in production".

It is recommended to think carefully through how to set up the deployment areas and make sure that users are prompted as rarely as possible to choose deployment area.

Further help is also available in the Administration Console online help.

Deploying Spotfire Packages

You can deploy TIBCO Spotfire® packages to the TIBCO Spotfire® Server to give end users access to more features or updated features in Spotfire.

See the online help for the Administration Console for detailed information about this tool.

Procedure

1. Open web browser and browse to the Administration Console, located at <http://spotserver/spotfire/administration> (where spotserver is the name of one of your Spotfire Servers).
2. Log in as a Spotfire Admin.
3. Select the **Deployment** tab.

4. Select an existing deployment area from the **Deployment Area** list, or create a new deployment area to which to deploy packages.



We recommend using an area that is not in production, especially if you are upgrading from a previous version of Spotfire. For example, you can create a “test deployment area,” and then later copy the deployment from that “test area” after you have installed a Spotfire client and verified that the deployment is downloaded and installed upon login.

5. If there are any old packages in the environment, click **Clear** to remove all packages.



If you have any third-party packages that you know will work with this version of Spotfire, you can keep these. In this scenario, rather than clicking **Clear**, remove any unwanted packages one by one.

6. Click **Add**.
The Add to Deployment dialog appears.
7. Click **Browse**.
The File Upload dialog appears.
8. Browse to a package file (.spk) or a distribution file (.sdn) that you want to include in the deployment.
A distribution (.sdn) file is composed of package (.spk) files that might have dependencies on one another. The `Spotfire.Dxp.sdn` distribution is the most frequently encountered example of a distribution file and is located in the deployment kit folder `TIB_spotdeploy_5.5.0_win\Products\TIBCO Spotfire Distribution`.
9. In the Add to Deployment dialog, click **OK** to upload and add the file to the distribution.
The list of packages is updated with the contents of the file.
10. Remove any unwanted files from the list by selecting them and clicking **Remove**.
11. Click **Validate** to make sure the deployment is not corrupted.
12. Click **Save** to save and publish the deployment.
The Save Deployment dialog appears.
13. Provide a version number and a description for the deployment, and then click **OK**.

Installing TIBCO Spotfire on a Computer

After creating a deployment you must install a TIBCO Spotfire® client on your computer, to verify that the deployment works, and to get access to the Administration Manager and the Library Administration tools.

Spotfire is installed using an installer found in the `\Products\TIBCO Spotfire Installer` folder of the Spotfire distribution.

Procedure

1. Copy the Client Installer folder to your local disk, and run the `setup.exe` file.
The installer starts, and the Welcome screen is shown.
2. Click **Next** to continue.
3. Read the Spotfire license agreement. Select the **I accept** radio button to accept and click **Next** to continue.
4. Specify the **URL** of your TIBCO Spotfire® Server. Click **Next** to continue.



If there are several TIBCO Spotfire® Servers installed, and a load balancer is in place in front of them, specify the load balancer URL.

5. Click **Install** to start the installation.

- When Spotfire is installed, click **Finish** to close the installer. Spotfire is now installed.

Verifying That You Can Log In

After deploying packages you should start TIBCO Spotfire® on your computer and log into the deployment area to which packages were deployed. In the following instructions it is assumed that packages were deployed to an area named “test”. Log in to the “test” deployment area on your server to verify that login works and that you receive Spotfire package updates.

Procedure

- Start Spotfire
Spotfire starts and displays a login dialog.
- Click **Manage Servers...**
The Manage Servers dialog appears.
- Click the button **Add...**
The Add Server dialog appears.
- Enter the URL to your Spotfire Server, and then click **OK** twice.
- Enter your Username and Password to log into the Spotfire Server.
- Click **Login**.

You are logged into the Spotfire Server. You should also receive package updates from the deployment in the Test Environment.



You might be prompted to select a Deployment Area. See the example in [Example: Multiple Deployment Areas](#).



Package “updates” might, in fact, be “downgrades”, if the files deployed to the server are older than the installed Spotfire. This can be a useful in a situation where, for some reason, an administrator wants to downgrade all clients. However, it is not possible to downgrade to a lower major version, for example from 6.0 to 5.5, or even to log into a server with a deployment with a lower major version number than the client. For this reason, you must deploy 6.0 packages to the server before you can log into it with a 6.0 client.

Copying a Deployment to the Default Deployment Area

In the TIBCO Spotfire® Administration Console, you can copy a tested deployment to the **Default Deployment Area**.



When you receive new updates from TIBCO or from a third-party, deploy these updates to the test environment and test them before you copy them to the production environment. This way you can test a new deployment without disturbing your Spotfire users.

Procedure

- In the Spotfire Administration Console, select the **Deployment** tab.
- Select the “test” area.
- Click **Copy**.
The **Copy Deployment** dialog appears.
- Select to copy the deployment to the **Default Deployment Area**.

5. Click **OK**.
The content of the “test” area is copied to the production area.

Set Up Users

During TIBCO Spotfire® Server installation and configuration, TIBCO Spotfire® Authentication is set up. Spotfire can authenticate users using either internal authentication (Spotfire Database) or external authentication (LDAP directory or Windows Domain).

- If internal authentication is used, you can add and delete users and change their passwords using either the Administration Console or the Administration Manager.
- If external authentication is used, users are imported into the Spotfire Database when they first log in. You cannot remove imported users from within the Spotfire system.

Users can be managed in the Administration Console or in the Administration Manager on the **Users** tabs in both tools. Refer to their online helps for detailed instructions.

Set Up Groups




TIBCO Spotfire® groups are used to organize users. Groups can be synchronized from an external source, such as an LDAP directory or a Windows Domain, or created and managed locally in the Spotfire Database. This is set up during TIBCO Spotfire® Server installation.



Synchronized groups cannot be deleted from within the Spotfire system. However, you can create local Spotfire groups and place imported users and synchronized groups in them, which is important when you set licenses on groups.

Groups can be managed in the Administration Console or in the Administration Manager on the **Groups** and **Groups and Licenses** tabs respectively. Refer to their online helps for detailed instructions.

Roles and Special Groups

In the TIBCO Spotfire® system, there are a number of special groups that are present at installation and are not possible to remove. These groups define different roles. Roles can be viewed as different sets of tasks the members of the groups are supposed to and allowed to perform. To assign a role to a user, simply add him or her to one of the special groups. Note that some roles require not only membership in the groups, but also that a specific license is set on the group in question.

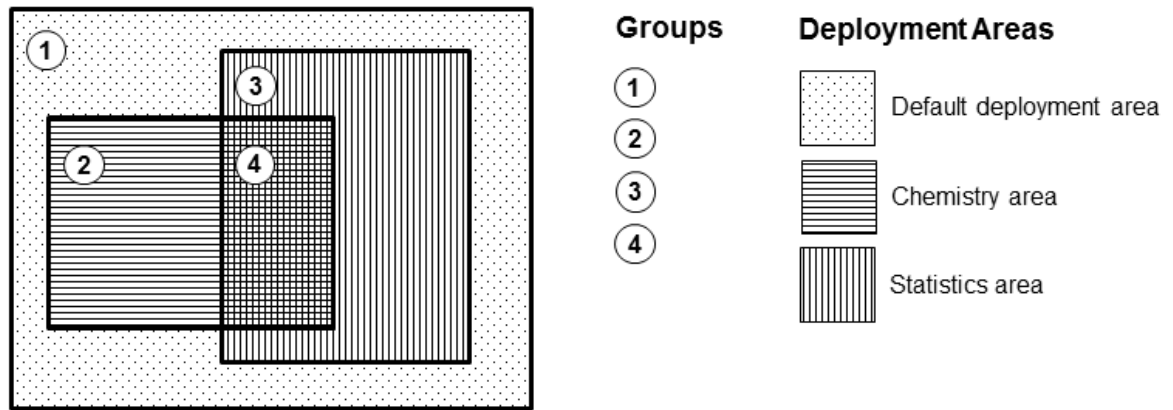
Role	Description
Administrator	<p>Membership in this group grants all permissions described below in addition to administration of preferences, licenses, and user directory.</p> <p> This group must have the TIBCO Spotfire License enabled to be able to administer the Spotfire system.</p> <p> In version 3.2 and onward, membership in this group also grants Library Administrator permissions.</p>
Library Administrator	<p>Membership in this group grants full permission to the Library, and the permission to import and export Library content.</p> <p> This group must have the TIBCO Spotfire Library Administrator License enabled to be able to administer the Library.</p>

Role	Description
Deployment Administrator	<p>Membership of this group grants permission to view server logs and diagnostics, as well as to set server logging configurations. It also grants permission to view information in the TIBCO Spotfire® Web Player diagnostics page.</p> <p> The number of logging configurations available can be decided by the server administrator. For more information about this see the <i>TIBCO Spotfire Server Installation and Configuration Manual</i>.</p>
Impersonator	<p>Membership of this group grants permission to Impersonate. It is recommended that users belonging to this group do not have additional privileges. See the <i>TIBCO Spotfire Server Installation and Configuration Manual</i> for more information about Impersonation.</p>
Web Player Administrator	<p>Membership in this group grants permission to view Spotfire Web Player diagnostics and to set up Scheduled Updates tasks.</p>
Scheduled Updates Users	<p>Membership in this group grants permission to perform Scheduled Updates.</p>
Script Author	<p>Membership in this group grants permission to author scripts. The user must also have the Author Scripts license in order to author scripts.</p> <p> Scripts executed by the Spotfire Web Player can essentially do anything deployed packages can do. Therefore you should only grant this permission to trusted users.</p>
Everyone	<p>In addition to the special groups defining roles, there is also one other special group. This group contains all users in the Spotfire system. Thus it is not possible to remove users from it.</p>

Set Up Licenses

TIBCO Spotfire® licenses control what features are available to users. Licenses are always configured per group, never on individual users. When a user logs in, only the features enabled to the groups the user belongs to appear in Spotfire. You should apply licenses to groups when you create them. Because groups can belong to groups, licenses are inherited from the parent group.

Example:



In this example, the license Spotfire Professional is set on the group ACME Spotfire Users. This license is then inherited by all groups belonging to the ACME Spotfire Users group, situated below it in this illustration. The license TIBCO Spotfire Metrics is set on the group ACME Analysts and inherited by its child groups, ACME Food Analysts and ACME Drink Analysts.

When initially setting up Spotfire licenses, it is a good idea to set licenses as “high up” in the hierarchy as possible, to take full advantage of group inheritance.

Licenses are set on the **Groups and Licenses** tab in the Administration Manager in the Spotfire client. For detailed instructions on how to use this tool, see its online help.

For a full list of Spotfire licenses, see [Spotfire Licenses and Features](#).

Set Up Preferences

TIBCO Spotfire® preferences control the Spotfire experience. Preferences define which font to use for labels, which default marker shape to use for scatter plots, and many other things. They are set on groups and inherited just like licenses.

Preferences are set on the **Preferences** tab in the Administration Manager in the Spotfire client. For detailed instructions on how to use this tool, see its online help.



Users may set preferences in the Spotfire client. Preferences set in the Administration Manager come into effect if a user has not set preferences.

Set Up Connection to TIBCO Spotfire Statistics Services

TIBCO Spotfire® 6.0 provides support for connecting to TIBCO Spotfire® Statistics Services.

Most settings regarding this are set in the Spotfire client. See its online help for more information about this. URLs to Spotfire Statistics Services servers running S-PLUS or open-source R engines are however also configurable as Spotfire Preferences in the Administration Manager. On the **Preferences** tab, select the group for which the URLs should be set and then select the tab **Preferences**. Find the **TIBCO Spotfire Statistics Services** in the list and click **Edit**. Enter the URL to the Spotfire Statistics Services server running a S-PLUS engine and/or the Spotfire Statistics Services server running an open-source R engine. For detailed instructions on how to use the Administration Manager, see its online help.



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Set Up the Spotfire Library

The Library is where users store and share analyses. A TIBCO Spotfire® Admin, or a Library Admin assigned by the Spotfire Admin, should set up the library before the users start storing analyses here.

This includes building a folder structure with appropriate permissions for the different groups to read and write to the different folders. By setting “owner” permissions for a certain group to a number of folders, you can delegate responsibility for that part of the Library to a certain group within your organization.

When you export and import from the library you can select **Include Permissions**. If this is selected on both import and export, the imported content will get the same permissions as the content originally had when it was exported.



Permissions can be set only if the user or group exists in the new library, the import cannot assign a privilege to a user that does not exist. This has an extra implication, if you want to import users and groups as well as library content, you should start to import the users and groups.

Library Admins

Library Admins are Spotfire users belonging to the special Library Administrator group. Library Admins have sufficient permissions to create folders on the root level of the Library, and also have full access to the entire Library. As a Spotfire Admin, you could make yourself a Library Admin, or delegate this responsibility to others.

Design Guidelines



The key to a successful Library design is structure. How you structure your Library is up to you, but here are a few suggestions:

- By department. This would, for instance, allow all engineers to access the same analyses.
- By project. This would allow all users working in the same project to access the same analyses. Using inheritance, you could allow different sub-projects to access their parent project files, and still restrict sister-projects from reaching each other’s material.
- By geography. This would allow, for instance, different offices to have access to different parts of the Library.

It is usually a good idea to have the Library structure reflect the structure of your organization.

Spotfire Licenses and Features

The administrator enables the required licenses for the different users.

License or Feature	Description
TIBCO Spotfire Web Player	The license for TIBCO Spotfire® Web Player.
TIBCO Spotfire Enterprise Player	The license for TIBCO Spotfire® Enterprise Player, a TIBCO Spotfire client running with a subset of all features included in TIBCO Spotfire Professional. It enables features such as saving files to disk or Library, opening files from the Library, opening linked data, and exporting to various formats. For technical reasons, this license is also required to run Spotfire Web Player.
TIBCO Spotfire Professional	The license for running Spotfire Professional, which includes all the standard features in the Spotfire client, except the features included in the license Spotfire Enterprise Player. Any groups with this license enabled must have the Spotfire Enterprise Player license enabled.
TIBCO Spotfire Business Author	Allows you to create and edit analyses from a web client.
TIBCO Spotfire Advanced Analytics	Controls access to additional analytic features such as custom expressions, the box plot visualization, various statistical features, and advanced aggregation methods. Most users of Spotfire Professional will need this license.
TIBCO Spotfire Extensions	Enables usage of custom extensions which may be added by developers in your organization. When new custom license features are deployed to the TIBCO Spotfire® Server, they will appear under this license.
TIBCO Spotfire Information Modeler	Enables tools and permissions to create and edit database connections for information links.
TIBCO Spotfire Administrator	<p>Enables access to the Administration Manager and the Library Administration tool (the administration tools available within the Spotfire client).</p> <p> To administer the Spotfire system, this license is not enough. The user must also be a Spotfire Admin, that is a member of the special Administrator group. If the users needs full access to the Library, they must also be members of the special Library Administrator group.</p> <p> If you are a member of the Library Administrator group, you are granted full control over all content. By default, the Administrator group is a member of the Library Administrator group and thus has full access control over the library.</p>

License or Feature	Description
TIBCO Spotfire Qualification	Enables TIBCO Spotfire Qualification.
TIBCO Spotfire Connectors	Enables users to connect and analyze data in-database.

Each of these licenses consists of a set of license features.

TIBCO Spotfire Web Player License

The TIBCO Spotfire Web Player license enables the TIBCO Spotfire® Web Player and allows users to access analyses in a web browser.

License or Feature	Description
TIBCO Spotfire Web Player	License to use the Spotfire Web Player.
External updates of analysis files in TIBCO Spotfire Web Player	Enables a user to perform updates of analysis files through the Spotfire Web Player server Updater Service API.

TIBCO Spotfire Enterprise Player License

The TIBCO Spotfire Enterprise Player license enables the TIBCO Spotfire Enterprise Player, a TIBCO Spotfire® client running with a subset of all features included in TIBCO Spotfire Professional.

License or Feature	Description
Open File	Enables the File > Open... menu item and makes files available in the list of most recently used files. Without this, a user cannot open files from within Spotfire (This is mainly used in certain Citrix environments.)
Open from Library	Allows a user to open a file from the Spotfire Library.
Open Linked Data	Allows a user to open an analysis file with linked data.
Save Spotfire Analysis File	Allows a user to save a Spotfire Analysis file. (This specific license feature also enables or disables the Open in Spotfire button in the TIBCO Spotfire® Web Player)
Save to Library	Allows a user to save a file to the Spotfire Library.
Export to PowerPoint	Allows a user to export to Microsoft® PowerPoint.
Export to PDF	Allows a user to export to PDF
Export Image	Allows a user to export a visualization as an image.

License or Feature	Description
Export Data	Allows a user to export or copy the data used in a visualization.
Print	Allows a user to print visualizations to paper.
Details on Demand	Allows a user to display the Details on Demand panel.
Undo/Redo	Allows a user to Undo/Redo actions
Bookmarks	Allows a user to work with bookmarks.
Capture Private Bookmarks	Allows a user to work with private bookmarks.
Capture Private and Public Bookmarks	Allows a user to work with private and public bookmarks.
Change Password	Allows a user to change password.
Share to tibbr®	Allows a user to share visualizations via tibbr®.
Collaboration Panel	Allows a user to use the Collaboration panel.

TIBCO Spotfire Professional License

The TIBCO Spotfire® Professional license is the main license for users running the full Spotfire client. All the base functionality of Spotfire is contained here, except the features listed for the TIBCO Spotfire Enterprise Player license. It is therefore vital that any user that has the TIBCO Spotfire Professional license also gets the TIBCO Spotfire Enterprise Player license.

License or Feature	Description
Open File Data	A user can always open * . dxp files from the Open menu provided the "Open File" license feature is enabled. This license feature enables a user to also open * . sfs, * . sdf, * . txt, * . csv, * . xml, and * . xls files, and to paste data from the clipboard.
Open Database Data	Allows a user to open data from databases.
Open Information Links	Allows a user to open data from Information Links.
Open Custom Made File	Allows a user to open custom made files.
Replace Data	Enables the File > Replace Data Table menu item. The available submenu alternatives are determined by the four "Open" license functions above.

License or Feature	Description
Open Empty Data	Allows a user to open an analysis file even if a data source is unavailable.
Merge Data	Allows a user to insert and merge additional data to an open analysis. This is done from the Replace Data Table and Insert Column/Rows options.
Insert New Column	Allows a user to insert a new column of data to an open analysis.
Manage Data Tables	Allows a user to add and work with more than one data table in an analysis.
Load Data on Demand	Allows a user to load data from information links on demand.
Create Information Link	Allows a user to create a new information link using predefined elements.
Create Page	Allows a user to create a new Page.
Create Table	Allows a user to create a new Table visualization.
Create Graphical Table	Allows a user to create a new Graphical Table visualization.
Create Cross Table	Allows a user to create a new Cross Table visualization.
Create Bar Chart	Allows a user to create a new Bar Chart visualization.
Create Line Chart	Allows a user to create a new Line Chart visualization.
Create Combination Chart	Allows a user to create a new Combination Chart visualization.
Create Pie Chart	Allows a user to create a new Pie Chart visualization.
Create Scatter Plot	Allows a user to create a new Scatter Plot visualization.
Create 3D Scatter Plot	Allows a user to create a new 3D Scatter Plot visualization.
Create Map Chart	Allows a user to create a new Map Chart visualization.
Create Treemap	Allows a user to create a new Treemap visualization.
Create Heat Map	Allows a user to create a new Heat Map visualization.
Create Parallel Plot	Allows a user to create a new Parallel Coordinate Plot visualization.
Create Summary Table	Allows a user to create a new Summary Table visualization.

License or Feature	Description
Create Text Area	Allows a user to create a new Text Area.
Action Links	Allows a user to create Action Links.
Change Column Selector	Allows a user to interact with column selectors and data table selectors in a visualization. It also allows a user to adjust binning sliders and hierarchy sliders, and to alter the order of multiple columns on an axis.
Simple Visualization Properties	Allows a user to change plot properties using the axis selectors, or to drag and drop columns from other visualizations or the Filter Panel. (This license feature also enables everything in the Change Column Selector license feature.)
Advanced Visualization Properties	Allows a user to change all plot properties via the Visualization Properties dialog. (This license feature also enables everything in the Change Column Selector and Simple Visualization Properties license feature.)
Error Bars	Allows a user to display error bars in a visualization.
Simple Filter Panel Properties	Allows a user to change filter type.
Advanced Filter Panel Properties	Allows a user to hide, move and group filters, and access the Filtering Scheme Properties dialog and Organize Filters dialog.
Simple Data Properties	Grants access to the Edit > Column Properties dialog.
Advanced Data Properties	Enables additional functionality in the Column Properties dialog such as Details , Edit , Freeze Columns , Insert , Column Properties , Sort Order , and Hierarchies .
Advanced Document Properties	Grants access to the Edit > Document Properties dialog, the Tools > Options dialog and also allows the user to assign a filtering scheme to a page.
Data Panel	Allows a user to use the Data panel.
Tags	Allows a user to work with Tags.
Use Custom Made Tools	Allows a user to open custom made tools.

License or Feature	Description
Change Exportability for Web Player Table Data	Allows a user to specify whether the data in a Table, Summary Table, or Cross Table should be able to be exported if the analysis is opened in the Spotfire Web Player. If disabled, a default value or preference will determine if the data in the table can be exported from Spotfire Web Player. Set these preferences from the Preferences tab.
Lists	Allows a user to work with Lists.
Load Data from ActiveSpaces	Allows a user to load data from TIBCO ActiveSpaces.

TIBCO Spotfire Business Author

The TIBCO Spotfire Business Author license allows you to create and edit analyses from a web client. Professional.


License or Feature	Description
TIBCO Spotfire Business Author	The license for TIBCO Spotfire Business Author.
Open File Data	Allows a user to open files.
Open Information Links	Allows a user to open data from Information Links.
Replace Data	Enables the Replace Data button in the toolbar.
Open Empty Data	Allows a user to open an analysis file even if a data source is unavailable.
Manage Data Tables	Allows a user to work with more than one data table in an analysis
Create Page	Allows a user to create a new page.
Create Table	Allows a user to create a new Table visualization.
Create Cross Table	Allows a user to create a new Cross Table visualization.
Create Bar Chart	Allows a user to create a new Bar Chart visualization.
Create Line Chart	Allows a user to create a new Line Chart visualization.
Create Combination Chart	Allows a user to create a new Combination Chart visualization.
Create Pie Chart	Allows a user to create a new Pie Chart visualization.
Create Scatter Plot	Allows a user to create a new Scatter Plot visualization.

License or Feature	Description
Create Treemap	Allows a user to create a new Treemap visualization.
Create Parallel Plot	Allows a user to create a new Parallel Coordinate Plot visualization.
Change Column Selector	Allows a user to interact with column selectors and data table selectors in a visualization. It also allows a user to adjust binning sliders and hierarchy sliders, and to alter the order of multiple columns on an axis.
Simple Visualization Properties	Allows a user to change plot properties using the axis selectors. (This license feature also enables everything in the Change Column Selector license feature.)
Advanced Visualization Properties	Allows a user to change all plot properties via the Visualization Properties panel. (This license feature also enables everything in the Change Column Selector and Simple Visualization Properties license feature.)
Error Bars	Allows a user to display error bars in a visualization.

TIBCO Spotfire Advanced Analytics License

The TIBCO Spotfire Advanced Analytics license contains functionality for a number of calculation tools.

License or Feature	Description
Create Box Plot	Allows a user to create a new Box Plot visualization.
Advanced Aggregation Methods	Provides more aggregation methods in addition to the standard Sum, Average, Count, and Unique Count.
Custom Expressions	Grants access to the Custom Expressions option on the column selectors.
Set Column From Marked	Grants access to the Column from Marked option on the column selectors.
Line Similarity	Grants access to the Line Similarity tool.
K-Means Clustering	Grants access to the K-Means Clustering tool.
Hierarchical Clustering	Allows a user to use hierarchical clustering.
Data Relationships	Grants access to the Data Relationships tool.
Curve Draw	Allows a user to add a curve to a visualization by entering an expression for the curve.

License or Feature	Description
Curve From Data Table	Allows a user to add a curve to a visualization by importing it from a data table.
Straight Line	Allows a user to add a Straight Line Fit to visualizations.
Polynomial Curve	Allows a user to add a Polynomial Curve to visualizations.
Logistic Regression Curve	Allows a user to add a Logistic Regression Curve to visualizations.
Power Curve	Allows a user to add a Power Curve to visualizations.
Gaussian Curve	Allows a user to add a Gaussian Curve to visualizations.
Logarithmic Curve	Allows a user to add a Logarithmic Curve to visualizations.
Exponential Curve	Allows a user to add an Exponential Curve to visualizations.
Register Data Functions	Allows a user to register data functions.
Execute Data Functions	<p>Allows a user to execute data functions.</p> <div style="display: flex; align-items: center;">  <div style="border-left: 1px solid black; padding-left: 10px;"> <p>If you do not grant this license, you should not grant licenses for Enable Local TERR Engine, Predictive Modeling, or Insert Predicted Columns.</p> </div> </div>
Enable Local TERR Engine	<p>Allows a user to specify that an analysis (during authoring or deployment) uses a local instance of the TIBCO® Enterprise Runtime for R engine (rather than running on the available TIBCO® Enterprise Runtime for R engine on TIBCO Spotfire® Statistics Services).</p> <p>TIBCO Enterprise Runtime for R for Spotfire data functions (enabled through the Register Data Functions and Execute Data Functions licences) require access to a TIBCO Spotfire® Statistics Services configured with a TIBCO Enterprise Runtime for R engine, even if users should be allowed to use the local engine.</p> <p>If this license is not granted, then all TIBCO Enterprise Runtime for R for Spotfire data functions are executed using the TIBCO Enterprise Runtime for R engine available on Spotfire Statistics Services regardless of the Use locally installed Enterprise Runtime for R setting in the Tools > Options - Data Functions dialog.</p> <p>If this license is granted, the engine choice is determined by the state of the Use locally-installed TIBCO Enterprise Runtime for R engine check box in the Tools > Options - Data Functions dialog.</p> <p>If this license is not granted, you should not grant licenses for Predictive Modeling and Insert Predicted Columns; otherwise, users might encounter irregularities.</p>

License or Feature	Description
Predictive Modeling	<p>Allows a user to create, edit, and manage Regression and Classification Models.</p> <p>If this license is not granted, the Regression Modeling and Classification Modeling menu items will not appear.</p> <p>Even if a user lacks this license, any existing analyses containing results from the predictive modeling tools will continue to function and update based on the data as necessary. (That is, the underlying data functions continue to work.)</p> <p>If this license is granted, you should also grant licenses for Execute Data Functions and Enable Local TERR Engine.</p>
Insert Predicted Column	<p>Allows a user to use a predictive model in an analysis to add predicted columns to a data table.</p> <p>If this license is not granted, the Insert > Predicted Columns menu item will not appear.</p> <p>Even if a user lacks this license, any existing analyses containing predicted columns will continue to function and update based on the data as necessary. (That is, the underlying data functions continue to work.)</p> <p>If this license is granted, you should also grant licenses for Execute Data Functions and Enable Local TERR Engine.</p>

TIBCO Spotfire Extensions License


The TIBCO Spotfire Extensions license enables users to view and use custom extensions which may be added by developers at your company. When new custom license features are deployed on the TIBCO Spotfire® Server, they appear under this license. Then you can enable or disable each individual license feature if needed.

License or Feature	Description
Access to Extensions	This license enables users to view and use custom extensions, which may be added by developers at your company. When new custom license features are deployed on the Spotfire Server, they will appear under this license. You can then enable or disable each individual license feature.
Accord	Allows a user to use the Accord tool.
Author Scripts	Allows a user to author scripts. The user must also be a member of the Script Author group.
Automation Services Job Builder Tool	Gives a user access to the Automation Services Job Builder tool.
ChemDraw	Allows a user to use the ChemDraw tool.
ChemIQ	Allows a user to use the ChemIQ tool.

License or Feature	Description
ChemistryViewer	Allows a user to use the ChemistryViewer tool.
ExportToSDF	Allows a user to use the ExportToSDF tool.
Marvin	Allows a user to use the Marvin tool.
Qualification Compare Tool	Allows a user to use the Qualification Compare tool.
Qualification Export Tool	Allows a user to use the Qualification Export tool.
SDFParser	Allows a user to use the SDFParser tool.
StructureSearch	Allows a user to use the StructureSearch tool.
Symyx [®] Draw (MDL)	Allows a user to use the Symyx [®] Draw (MDL) tool.

TIBCO Spotfire Information Modeler License

The TIBCO Spotfire Information Modeler license allows access to tools and permissions to edit database connections for information links.

License or Feature	Description
Administration	<p>Allows a user to modify data sources, joins and other elements when working with Information Links.</p> <p> The user must also have the Create Information Link feature enabled to access the tool itself.</p>
Prompt for Parameter	<p>This license feature is intended for users creating and testing parameterized Information Links. While working with this tool, any parameterized Information Link that is not provided with a value for every parameter will display a Prompt for Parameter dialog.</p>

TIBCO Spotfire Administrator License



The TIBCO Spotfire Administrator license allows access to the Administration Manager and the Library Administration tools.



You must also be a member of the Administrator group to get the actual privileges to work on the server.




If you are also a member of the Library Administrator group you will override all folder permissions in the Library, granting full control over all content. (By default, the Administrator group is a part of the Library Administrator group and thus have full access control over the library as well.)

License or Feature	Description
Administration	<p>Grants access to Administration Manager and its functionality.</p> <p> You must be a member of the Administrator group to get the actual privileges to work on the server.</p>
Library Administration	<p>Grants access to the Library Administration tool and its functionality.</p> <p> Administrators who need full access control over the entire Library, must also be a member of the Library Administrator group. Being a member of this group overrides all folder permissions in the Library, granting full control over all content. (By default, the Administrator group is a part of the Library Administrator group and thus have full access control over the library as well.)</p> <p>The users who require administration control over parts of the library (but not all), should not be a part of this group, the Library Administration license is enough. This is the recommended option for the users who administer sections of the Library.</p>


TIBCO Spotfire Qualification License





The TIBCO Spotfire Qualification license allows users to compare analyses on different installations against a gold standard.

License or Feature	Description
TIBCO Spotfire Qualification	<p>Allows users to verify that analyses in TIBCO Spotfire® yields the same results on different installations of Spotfire.</p> <p> Sold as a separate license.</p>

TIBCO Spotfire Connectors License

The TIBCO Spotfire Connectors license enables users to connect and analyze data in-database.

License or Feature	Description
ADS Composite Information Server	<p>Allows a user to add connections to ADS Composite Information Server and analyze data in-database.</p> <p> This is an additional connector that can be deployed on the server. It is not embedded in the standard TIBCO Spotfire® distribution.</p>

License or Feature	Description
IBM Netezza	<p>Allows a user to add connections to IBM® Netezza® and analyze data in-database.</p> <div style="display: flex; align-items: center;">  <div style="border-left: 1px solid #ccc; padding-left: 10px;"> <p>This is an additional connector that can be deployed on the server. It is not embedded in the standard Spotfire distribution.</p> </div> </div>
Microsoft SQL Server	<p>Allows a user to add connections to Microsoft® SQL Server® and analyze data in-database.</p>
Microsoft SQL Server Analysis Services	<p>Allows a user to add connections to Microsoft SQL Server Analysis Services and analyze data in-database.</p>
Oracle	<p>Allows a user to add connections to Oracle® and analyze data in-database.</p>
Oracle MySQL	<p>Allows a user to add connections to Oracle MySQL and analyze data in-database.</p> <div style="display: flex; align-items: center;">  <div style="border-left: 1px solid #ccc; padding-left: 10px;"> <p>This is an additional connector that can be deployed on the server. It is not embedded in the standard Spotfire distribution.</p> </div> </div>
PostgreSQL	<p>Allows a user to add connections to PostgreSQL® and analyze data in-database.</p> <div style="display: flex; align-items: center;">  <div style="border-left: 1px solid #ccc; padding-left: 10px;"> <p>This is an additional connector that can be deployed on the server. It is not embedded in the standard Spotfire distribution.</p> </div> </div>
SAP Business Information Warehouse (SAP BW)	<p>Allows a user to add connections to SAP® Business Information Warehouse (SAP BW) and analyze data in-database.</p> <div style="display: flex; align-items: center;">  <div style="border-left: 1px solid #ccc; padding-left: 10px;"> <p>This is an additional connector that can be deployed on the server. It is not embedded in the standard Spotfire distribution.</p> </div> </div>
Teradata	<p>Allows a user to add connections to Teradata® and analyze data in-database.</p>