



TIBCO Business Studio™- Analyst Edition Installation

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TIBCO Documentation and Support Services

How to Access TIBCO Documentation

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

The TIBCO Product Documentation website is updated frequently and is more current than any other documentation included with the product. To access the latest documentation, visit <https://docs.tibco.com>.

Product-Specific Documentation

Documentation for TIBCO products is not bundled with the software. Instead, it is available on the TIBCO Documentation site. To directly access documentation for this product, double-click the following file:

`TIBCO_HOME/release_notes/TIB_business-studio-bpm-cloud-edition_version_docinfo.html`

The following documents for this product can be found on the TIBCO Documentation site:

- TIBCO Business Studio™ Concepts
- TIBCO Business Studio™ Modeling User's Guide
- TIBCO Business Studio™ - Analyst Edition User's Guide
- TIBCO Business Studio™ - BPM Implementation
- TIBCO Business Studio™ Forms User's Guide
- TIBCO Business Studio™ Simulation User's Guide
- TIBCO Business Studio™ Customization
- TIBCO Business Studio™ - Analyst Edition Installation
- TIBCO Business Studio™ - BPM Edition Installation
- TIBCO Business Studio™ iProcess to BPM Conversion

How to Contact TIBCO Support

You can contact TIBCO Support in the following ways:

- For an overview of TIBCO Support, visit <http://www.tibco.com/services/support>.
- For accessing the Support Knowledge Base and getting personalized content about products you are interested in, visit the TIBCO Support portal at <https://support.tibco.com>.
- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to <https://support.tibco.com>. If you do not have a user name, you can request one by clicking Register on the website.

How to Join TIBCO Community

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

Accessing TIBCO Business Studio Help

You can access TIBCO Business Studio Help either online when using TIBCO Business Studio or by downloading it for use at any time.



TIBCO provide Out-Of-Cycle updates of product documentation. If you have downloaded the help already, and want to be notified of these updates for TIBCO Business Studio, navigate to the current version of TIBCO Business Studio documentation on the TIBCO Product Documentation page, and click **Subscribe** to subscribe to the RSS feed. When notified of an update you can re-download the html from the Product Documentation site to use the latest version. Copy it to the location of the existing help and access it from TIBCO Business Studio, or download it as described below to replace previously downloaded help. Alternatively you can go back to Preferences and re-download the help from there.



If your environment requires accessing of the internet via a proxy then go to **Window > Preferences > General > Network Connections** and configure the proxy settings.

Procedure

1. Go to the **Help** menu.
2. Select **Download Offline TIBCO Help...** This guides the user to the appropriate Preferences page (**Preferences > TIBCO Help > Content**).
 - **Content access strategy: Prefer offline help (if available)**. (default) is already selected, but online help will be used until help is downloaded. The alternative selection is **Always use online help**.
 - To define where you want the offline help to be located, **Browse** to the location in which you want to save the **Base offline documentation folder** and click **Apply**. You can click **Location** to go to the location that is defined.
 - Select the help you want to download and click **Download** and **OK**.
 - The help is downloaded to the location specified in the **Base offline documentation** field. If the **Prefer offline Help (if available)**. content access strategy is selected then then the downloaded help content will be used. Once the help is downloaded then the **Help > Menu** items will open the downloaded offline help.

Installing TIBCO Business Studio - Analyst Edition

TIBCO Business Studio - Analyst Edition and Community Edition can be installed in GUI mode or silent mode. This guide refers to the Analyst Edition but it can also be used to install the Community Edition.

Before installing TIBCO Business Studio - Analyst Edition you need to ensure that you have the correct system requirements. See [System Requirements](#).

After installation, there are post installation tasks you may need to perform. See [Perform Post Installation Upgrade Tasks](#).

System Requirements

Make sure that your target computer meets the necessary system requirements to install TIBCO Business Studio - Analyst Edition.

The system requirements are also listed in the readme file, which is available in the installation set in the \docs folder or from the TIBCO download site.

Supported Platforms

TIBCO Business Studio - Analyst Edition is supported on various platforms.

Note that:

- The **Supported Versions** specified are the *minimum* versions of each operating system that are supported by TIBCO Business Studio. Any subsequent services packs, updates, patches or fix packs (as appropriate) for the specified versions are also supported.
- Other (64-bit) Linux implementations detailed in the following link have not been formally validated, but have no known incompatibilities with this version of TIBCO Business Studio.

http://www.eclipse.org/eclipse/development/plans/eclipse_project_plan_4_7.xml#target_environments

- On Linux platforms, the threshold value for the maximum number of open files/file descriptors that a user can open is typically too low for use with TIBCO Business Studio. You should increase this value to at least 10000. (You may need to increase it further depending on the features selected during installation and the size of the workspace, but this value is typically sufficient.) You can use the `ulimit -n` command to display the current value on your system.

TIBCO Business Studio - Analyst Edition (64-bit)

Operating System (64-bit)	Supported Versions	Supported Processor Architectures
Windows	Microsoft Windows 10	x86-64
Windows Server	<ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2016 	x86-64

Operating System (64-bit)	Supported Versions	Supported Processor Architectures
Linux	<ul style="list-style-type: none"> • SUSE Linux Enterprise Server 11.1 to 11.4, and 12.1 to 12.2 • Red Hat Enterprise Linux Server v6.x/6.3 - 6.9, and v7.x/7.1 - 7.4 • CentOS Linux v6.x/6.3 - 6.9, and v7.x/7.1 - 7.4 • Oracle Linux v6.x/6.3 - 6.9, and v7.x/7.1 - 7.4 	x86-64

Minimum Disk Space and Memory Requirements

TIBCO Business Studio - Analyst Edition requires certain minimum disk space and memory requirements.

- Free disk space: from 1.3 GB to 1.8 GB.
- Memory: minimum 1 GB RAM; the recommended level is 2 GB, or more depending on project sizes.

Third-party Software Requirements

Additional third-party software is required when you install TIBCO Business Studio - Analyst Edition.

The following software is required:

- JRE 1.8.x (included in installation). We recommend that users stay up to date with Java patches issued by Oracle.
- Eclipse SWT (Standard Web Toolkit) GTK. An installation dialog comes up for accepting the license and then gives an option to download the assembly from the TIBCO public website or select it from the disk.



You require a minimum GTK + version 2.24.

Compatibility

TIBCO Business Studio - Analyst Edition version 4.3.0 is compatible with specific versions of other TIBCO products.

The products that TIBCO Business Studio - Analyst Edition version 4.3.0 (including Forms version 4.3.0) is compatible with are as follows:

- TIBCO Business Studio - BPM Edition 4.3.0 which in turn is compatible with TIBCO ActiveMatrix® BPM version 4.3.0
- TIBCO Nimbus™ version 10.0.0 to 10.x

Installer Accounts

You require certain privileges to install TIBCO Business Studio - Analyst Edition on Windows and Linux platforms.

Microsoft Windows

You must have administrator privileges for the machine on which TIBCO Business Studio - Analyst Edition is installed. If you do not have administrator privileges, the installer exits. You must then log out of the system and log in as a user with the required privileges, or request your system administrator to assign the privileges to your account.



After installing TIBCO Business Studio - Analyst Edition with administrator privileges, do not use the same account to create a workspace for the user. Instead, individual users should start TIBCO Business Studio - Analyst Edition from the account with which they intend to use TIBCO Business Studio - Analyst Edition, and create their own workspace to avoid potential issues with permissions.

If you intend to install the product on a network drive, you must ensure that the account used for installation has permission to access the network drive.

Linux

TIBCO Business Studio - Analyst Edition can be installed either as a root or a local user. TIBCO recommends that you install as the user you plan to use for TIBCO Business Studio - Analyst Edition to avoid any potential permissions issues.

Installation Directories

You must install each version of TIBCO Business Studio - Analyst Edition into a new, empty installation environment (separate from earlier versions of TIBCO Business Studio or other TIBCO products).



Do **not** install into the existing `TIBCO_HOME` directory, which is the default option.



You should create a new workspace for each installation of TIBCO Business Studio - Analyst Edition.

To do this, install TIBCO Business Studio - Analyst Edition as described in [Installing in GUI Mode on Windows](#). Specify a new, empty directory or create a new, empty directory as the environment location.

You may install TIBCO Business Studio - Analyst Edition into an existing installation environment if:

- you are reinstalling the same edition and version of TIBCO Business Studio - Analyst Edition in order to repair a corrupt installation.
- you are sure none of the existing products in that installation environment conflict with the edition of TIBCO Business Studio - Analyst Edition that you are installing.

Installer Log File

The installer log file is written to different locations depending on whether it is installed on Windows or Linux platforms.

Windows 10, Windows Server 2012 R2, Windows Server 2016

`User_Home\.TIBCO\install_Identifier` directory where *Identifier* is in the form of the date and time TIBCO Business Studio - Analyst Edition was installed and a unique number used to identify this particular installation of TIBCO Business Studio - Analyst Edition.

For example, `C:\Users\user-name\.TIBCO\install_03-02-2010.132827`

Linux

`$HOME/.TIBCO/install_Identifier` directory where *Identifier* is in the form of the date and time TIBCO Business Studio - Analyst Edition was installed and a unique number used to identify this particular installation of TIBCO Business Studio - Analyst Edition.

For example, `/home/user1/.TIBCO/install_03-02-2010.132827`

Environment Information

Environment information for TIBCO Business Studio - Analyst Edition is contained in the file `_envInfo.xml`.

The file `_envInfo.xml` is written to the following location for Windows: `C:\Program Files\Common Files\InstallShield\Universal\TIBCO\Gen1_vpddb`

Installing in GUI Mode on Windows

You can install TIBCO Business Studio - Analyst Edition in GUI Mode on Windows.

Prerequisites

Log in to the system on which you want to install TIBCO Business Studio - Analyst Edition (for more information, see [Installer Accounts](#)).

Open the physical media or download the TIBCO Business Studio package to the machine on which you want to install TIBCO Business Studio. Extract the installation files to a temporary directory.

Procedure

1. Double-click **TIBCOUniversalInstaller**.
2. Review the information in the **Welcome** dialog and click **Next**.
Review the terms of the license agreement and, if you agree to them, click **I accept the terms of the license agreement**. Then click **Next** to continue with the installation.
If you do not agree to the terms of the license agreement, click **Cancel** to exit from the installation process.
3. The **TIBCO Installation Home** dialog appears. TIBCO_HOME is the preferred top level installation directory for all TIBCO products on your system. Select either:
 - **Create a new TIBCO_HOME**. Click **Browse** to specify an environment location (a directory path to an empty folder into which the software will be installed), or accept the default environment location (which is the last directory in the path selected).
 - **Use an existing TIBCO_HOME**. Select an existing TIBCO_HOME from the drop-down list.
The installer automatically creates an environment name for the location you specify. The default environment name is studio-analyst-4.1. If this is not the first installation of TIBCO software, you can edit the environment name to differentiate this subsequent installation of TIBCO software from the first.
Click **Next**.
4. The Business Analyst profile is selected (this is the only profile available for TIBCO Business Studio - Analyst Edition). The right hand pane displays the features that are selected for the profile. Click **Next**.

 You will not need to use Customize Installation which is available but unchecked, as this product only contains one feature.
5. After the installer configures your installation choices, the **Pre-Install Summary** dialog is displayed. Review the information displayed in the dialog and make sure that it is correct. If you want to change any of your choices, click **Back** to step back through the dialogs to the appropriate point and make your choices again. When you are satisfied with your choices, click **Install**.
6. Once the installer has finished the installation tasks, the **Running Product ANT Tasks** dialog is displayed. Click **Show Details** to see the tasks that the installer is performing.
7. The **Post-Install Summary** dialog is displayed. Click **Finish** to exit from the installer. There is a slight delay while the installer deletes temporary files.

What to do next

Complete the post-installation tasks described in [Perform Post Installation Upgrade Tasks](#)

Installing in GUI Mode on Linux

You can install TIBCO Business Studio - Analyst Edition on Linux platforms.

Prerequisites

Log in to the system on which you want to install TIBCO Business Studio - Analyst Edition (for more information, see [Installer Accounts](#)).

Open the physical media or download the TIBCO Business Studio - Analyst Edition package to the machine on which you want to install TIBCO Business Studio - Analyst Edition. Extract the installation files to a temporary directory.

Procedure

1. Run the shell script `TIBCOUniversalInstaller-lnx-xnn.bin`.
2. Follow the installation steps which will be similar to those in [Installing in GUI Mode on Windows](#) other than the following:
 - Accept the Gnome License Agreement which uses the LGPL License
 - Click on **Download Gnome Binding assembly from TIBCO**.

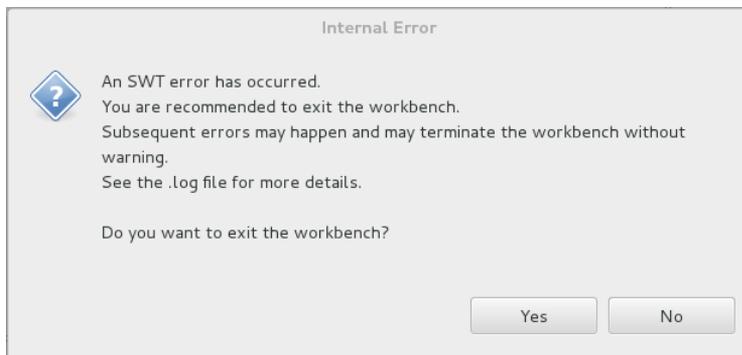
Failures in Linux Version 7 when TIBCO Business Studio uses the SWT Internal Browser

There are failures in Linux Version 7 (OEL7, CentOS 7, RHEL 7) when TIBCO Business Studio uses the SWT internal browser (used for BPM Live Dev, Email Service Task, TIBCO Product Help view) and an error message is displayed.

You will see the following error:



When you click **OK** you see the following error message.



To fix this you must install **64-Bit XULRunner 1.9.2**. You need to download this from the Mozilla nightly builds site: <http://ftp.mozilla.org/pub/mozilla.org/xulrunner/nightly/2012/03/2012-03-02-03-32-11-mozilla-1.9.2/>

1. Extract the contents of the tar file by entering the following command: `tar -xvif tar-file-name`

2. To make the new XULRunner version available, update the TIBCO Business Studio .ini file and add the following Java VM arguments (vmargs) in the file: -


```
Dorg.eclipse.swt.browser.XULRunnerPath=pathto-XULRunner.
```

 - **Note:** This update applies to a specific instance of TIBCO Business Studio. If the instance of TIBCO Business Studio was installed for an individual user, the update only applies to that user. If TIBCO Business Studio was installed as a shared instance that is used by multiple users, the update applies to all users of the shared instance.
 - The following procedure makes the new version available to all users on the system:
 - As user root, extract the XULRunner runtime directory to a location that is accessible to all users, for example, /usr/lib/xulrunner-1.9.2.
 - From the XULRunner directory, enter the following command: `./xulrunner --register-global`
 - The following procedure makes the new version available to an individual user
 - Extract the XULRunner runtime directory to the home directory of the user.
 - From the XULRunner directory, enter the following command: `./xulrunner --register-user`

 Registering XULRunner persists across the system and TIBCO Business Studio restarts.
3. Restart TIBCO Business Studio and confirm that the issues have been resolved.

Installing in Silent Mode (All Platforms)

You can install TIBCO Business Studio - Analyst Edition in silent mode on all platforms.

Prerequisites

The `TIBCOUniversalInstaller.silent` file is packaged in the directory that contains the universal installer. You must edit the file with information for your environment before launching the silent installation. The file includes comments that describe the installation properties you can set.

While you can use the `TIBCOUniversalInstaller.silent` file, it's good practice to copy the file to a different name and use that file for the silent install.

If errors occur during installation, they will be listed in the installation log file (see the `User_Home/.TIBCO` directory).

Procedure

1. Open the physical media or download the TIBCO Business Studio - Analyst Edition product package.
2. Extract the TIBCO Business Studio - Analyst Edition product archive file to a temporary directory.
3. Using a console window, navigate to the temporary directory that contains the universal installer.
4. Copy the `TIBCOUniversalInstaller.silent` file and rename the file as `myfilename.silent`.
5. Using a text editor, open the copied file and update the install location, and the list of features to install.
6. Run the installer: `TIBCOUniversalInstaller -silent -V responseFile="myfilename.silent"`
 If you are using the `TIBCOUniversalInstaller.silent` file, you need not supply the file name and can run: `TIBCOUniversalInstaller -silent`.

What to do next

Complete the post-installation tasks described in [Perform Post Installation Upgrade Tasks](#) .

Perform Post Installation Upgrade Tasks

After installation, there are a number of tasks you can perform to ensure that your system runs efficiently.

Deletion of the Temporary Installation Files

If you want to recover the disk space used by the installation files that you extracted to a temporary directory in the installation, delete them.

Uninstalling TIBCO Business Studio - Analyst Edition

You can uninstall TIBCO Business Studio - Analyst Edition from your system.



When you uninstall, some files are currently left behind that are not user data. You can remove these files manually if required.

Linux

1. Open a terminal.
2. Navigate to `STUDIO_HOME/tools/universal_installer`.
3. Run the uninstaller named `TIBCOUniversalInstaller-lnx-x86-64.bin`.

Windows

Do one of the following:

- Use the uninstaller provided with TIBCO Business Studio - Analyst Edition.
- Remove the installation using the **Programs and Features** option in Control Panel on Windows System.



When you installed TIBCO Business Studio - Analyst Edition, if the installer detected a suitable Java Virtual Machine (JVM), that JVM is used by TIBCO Business Studio - Analyst Edition. The uninstallation will fail if you remove the JVM used by TIBCO Business Studio - Analyst Edition before removing TIBCO Business Studio - Analyst Edition. If this happens, you can use the command line to uninstall with the `-is:javahome` option.

To do this, navigate to the `STUDIO_HOME/tools/universal_installer` folder and enter the following command `TIBCOUniversalInstaller-x86-64.exe -is:javahome <JRE_HOME>`

Using the Uninstaller

You can uninstall TIBCO Business Studio - Analyst Edition using the uninstaller.

Procedure

1. Log into the system on which you want to uninstall software.
2. Launch the uninstaller as described in the previous section. For example, from `C:\Studio\Analyst-400\tools\universal_installer`.
3. The **Welcome** dialog is displayed. Click **Next**.
4. Select **Typical** to uninstall all products in the environment.
5. The **Ready to Uninstall** dialog is displayed.

If you want to change any of your choices, click **Back** to step back through the dialogs to the appropriate point. You can then restart the uninstallation process from that point.

6. When you are satisfied with your choices, click **Uninstall**.

The uninstaller removes the software product you specified.



The TIBCO Business Studio - Analyst Edition entries in the Start menus may appear after the uninstallation. To correct this log out, then log in again.

Using Programs and Features (Windows Only)

You can remove the installation using the **Programs and Features** option on your PC.

Procedure

1. Log in to Windows as a user with system administrator privileges. You must have system administrator privileges to uninstall this software.
2. In the **Control Panel**, double-click **Programs and Features**.
3. In the **Add/Remove Programs** dialog, select **TIBCO Universal Installer**(*installation_environment_n*), where *installation_environment_n* is the directory corresponding to the installation environment you want to uninstall. If you have installed more than one TIBCO product, there will be multiple entries in **Programs and Features** (for example, **TIBCO Universal Installer (c:\tibco\env_1)**, **TIBCO Universal Installer (c:\tibco\env_2)**, and so on).
4. Click **Uninstall/Change**.



The uninstaller may not completely remove files that have been modified since the initial installation (for example, the `configuration` directory). If you do not need any of the other remaining files, manually delete them.