TIBCO Business Studio™ - BPM Edition

Installation

Version 5.6.0 | November 2024

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Installing TIBCO Business Studio™ - BPM Edition

The TIBCO Universal Installer is used to install and uninstall TIBCO Business Studio™ - BPM Edition.

You can run the TIBCO Universal Installer in GUI or silent mode. Each mode is supported on all platforms.

Before you run the installer, ensure that you meet all the hardware and software requirements and you have appropriate privileges to run the installer. See Installation Requirements.

> **Important:** Do not install TIBCO Business Studio - BPM Edition version 5.x in an existing *TIBCO_HOME* directory, where a version of TIBCO Business Studio™ - BPM Edition earlier than 5.6.0 is installed. For more information about *TIBCO_HOME*, see Installation Directory.

Installation Features

You can install the components by using different installation features. The following table lists the features that you can select.

To install both features, select the **Customize Installation** checkbox.

Feature	Selected by Default
BPM Development Tools	Yes
Docker Configuration for Automated CI/CD	No

Installation Requirements

Ensure that your target computer meets the necessary system requirements to install TIBCO Business Studio - BPM Edition.

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

Supported Platforms

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

Note that:

- The **Supported Versions** specified are the minimum required versions of each operating system that are supported by TIBCO Business Studio - BPM Edition. Any subsequent service packs, updates, patches, or fix packs (as appropriate) for the specified versions are also supported.

- Other (64-bit) Linux implementations have not been formally validated, but have no known incompatibilities with this version of TIBCO Business Studio - BPM Edition.

- On Linux platforms, the threshold value for the maximum number of open files or file descriptors that a user can open is typically too low for use with TIBCO Business Studio - BPM Edition. You should increase this value to at least 10000. (You might 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 - BPM Edition (64-bit)

The following tables list the supported versions and process architectures for Windows and Linux (64-bit):

Microsoft Windows

Supported Versions	Supported Processor Architectures
10 and 11	64-bit on x86-64

Linux

Supported Versions	Supported Processor Architectures
• Red Hat Enterprise Linux Server 7.x, 8.x, 9.x • Ubuntu 22.x, 24.x	64-bit on x86-64

Minimum Disk Space and Memory Requirements

TIBCO Business Studio - BPM Edition has the following minimum disk space requirement for installation and minimum memory requirement to run efficiently:

- Free disk space: from 2 GB to 3 GB depending on options selected for installation.

- Memory: minimum 4 GB RAM; the recommended level is 8 GB, or more depending on project size.

> **Note:** Increase the maximum memory size setting (`-Xmx`) in `TIBCOBusinessStudio.ini` to 2048m if you have large or complex projects and have the recommended 8 GB memory.

Third-party Software Requirements

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

> **ⓘ** **Note:** When you obtain third-party software or services, it is your responsibility to ensure you understand the license terms associated with such third-party software or services and comply with such terms.

The following software and assemblies are required before installing TIBCO Business Studio - BPM Edition:

- JRE 11.*x* (included in installation). Ensure that users stay up to date with Java patches issued by Oracle.

- Eclipse SWT (Standard Web Toolkit) GTK

  The TIBCO Business Studio - BPM Edition installer for Linux 64 bit distributions downloads the Eclipse SWT GTK module, which contains the following items:

  - The Free Software Foundation, Gnome Binding

  - The Free Software Foundation, GTK+ Binding

    The .zip file required is as follows:

    `product_tibco_eclipse_lgpl_4.19.0.002_linux_x86_64.zip`

    While installing TIBCO Business Studio - BPM Edition, you are prompted to accept the license agreement, followed by an option to download the assembly from TIBCO's website, or to select it from the disk.

    > **ⓘ** **Note:** The minimum version required is GTK + version 2.24.

Compatibility

TIBCO Business Studio - BPM Edition version 5.6.0 is compatible with specific versions of other TIBCO products:

Product	Version
TIBCO® BPM Enterprise	5.6.0
TIBCO Nimbus®	10.3.0 - 10.x
TIBCO Cloud™ Nimbus®	2.x

Installer Accounts

Ensure that you have the appropriate privileges, depending on the platform on which you are installing TIBCO Business Studio - BPM Edition.

Microsoft Windows

You must have administrator privileges for the machine on which TIBCO Business Studio - BPM 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.

> **Note:** After installing TIBCO Business Studio - BPM 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 - BPM Edition from the account with which they intend to use TIBCO Business Studio - BPM 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/UNIX

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

Installation Directory

The directory in which TIBCO products are installed is called *TIBCO_HOME*. When version 5.x of TIBCO Business Studio - BPM Edition is installed, it must not be installed in a *TIBCO_HOME* in which a pre-version 5.x TIBCO Business Studio - BPM Edition, or other TIBCO product, had previously been installed.

If this is the first version 5.x of TIBCO Business Studio - BPM Edition to be installed, install it in a new and empty *TIBCO_HOME* directory.

Installer Log File

The installer log file is written to specific locations for Windows and Linux.

Windows

Location	Details
User_ Home \.TIBCO\install_ *identifier*	*identifier* is in the form of the date and time when TIBCO Business Studio - BPM Edition was installed, and a unique number is used to identify this particular installation. Example: C:\Users*user-name*\.TIBCO\install_2020-06-18.1105156

Linux/UNIX

Location	Details
$HOME/.TIBCO/install_ *identifier*	*identifier* is in the form of the date and time when TIBCO Business Studio - BPM Edition was installed, and a unique number is used to identify this particular installation. Example: /home/user1/.TIBCO/install_2020-06-18.132827

Installing on Windows

Before you begin

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

- Download the TIBCO Business Studio - BPM Edition package to the machine on which you want to install TIBCO Business Studio - BPM Edition.

- Extract the installation files to a temporary directory.

Procedure

1. Double-click **TIBCOUniversalInstaller-x86-64.exe**.

2. Review the information in the **Welcome** dialog and click **Next**.

3. Review the terms of the license agreement and, if you agree to them, select **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.

4. Specify the directory for *TIBCO_HOME*, which is the preferred top-level installation directory for all TIBCO products on your system. The choices are:

   > ❗ **Important:** Do not use the **Use an existing TIBCO_HOME** option on version earlier than 5.6.0. If this is the first version 5.x product to be installed, select the **Create a new TIBCO_HOME** option.

   - **Create a new TIBCO_HOME** - Select this to create a new *TIBCO_HOME*. If you specify a directory in the **Directory** field, the directory is created by the installer.

   - **Use an existing TIBCO_HOME** - Use this option to choose an existing *TIBCO_HOME*.

5. Click **Next**.

6. Select the installation profile, which determines the tools that are installed, then click **Next**. The choices are:

    - **Automated Build Support** - This causes **Docker Configuration for Automated CI/CD** to be selected in the right-hand pane. This installs Docker and shell scripts for support of automated builds. For more information about this feature, see Installing Automated Application CI/CD.

    - **Solution Designer** - This causes **BPM Development Tools** to be selected in the right hand pane. This installation profile is suitable for developing BPM solutions.

    You can also select the **Customize Installation** checkbox to select both of the above options if desired.

7. Review the information on the Pre-Install Summary, then click **Next** when you are satisfied with the choices.

    If you want to change any of your choices, click **Back** to return through the dialog to the appropriate point and make your choices again.

8. When the installation is complete, review the information on the Post-Install Summary, then click **Finish**.

Installing on Linux/UNIX

You can install on Linux/UNIX using a similar procedure to that used for installing on Windows, with the addition of acceptance of an extra license file.

Before you begin
- Log in to the system on which you want to install TIBCO Business Studio - BPM Edition (for more information, see Installer Accounts).

- Download the TIBCO Business Studio - BPM Edition package to the machine on which you want to install TIBCO Business Studio - BPM Edition.

- Extract the installation files to a temporary directory.

Procedure
1. Double-click **TIBCOUniversalInstaller-lnx-x86-64.bin**.

2. Review the information in the **Welcome** dialog and click **Next**.

3. Review the terms of the license agreement and, if you agree to them, select **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.

4. Specify the directory for *TIBCO_HOME*, which is the preferred top-level installation directory for all TIBCO products on your system. The choices are:

   > ❗ **Important:** Do not use the **Use an existing TIBCO_HOME** option if a pre-version 5.x TIBCO product has been installed in that *TIBCO_HOME*. If this is the first version 5.x product to be installed, select the **Create a new TIBCO_HOME** option.

   - **Create a new TIBCO_HOME** - Select this to create a new *TIBCO_HOME*. If you specify a directory in the **Directory** field, the directory is created by the installer.

- **Use an existing TIBCO_HOME** - Use this option to choose an existing *TIBCO_HOME*.

5. Click **Next**.

6. Select the installation profile, which determines the tools that are installed, then click **Next**. The choices are:

   - **Automated Build Support** - This causes **Docker Configuration for Automated CI/CD** to be selected in the right hand pane. This installs Docker and shell scripts for support of automated builds. For more information about this feature, see Installing Automated Application CI/CD.

   - **Solution Designer** - This causes **BPM Development Tools** to be selected in the right hand pane. This installation profile is suitable for developing BPM solutions.

7. Accept the Gnome License Agreement, which uses the LGPL License, then click **Download Gnome Binding assembly from TIBCO**.

8. Review the information on the Pre-Install Summary, then click **Next** when you are satisfied with the choices.

   If you want to change any of your choices, click **Back** to return through the dialog to the appropriate point and make your choices again.

9. When the installation is complete, review the information on the Post-Install Summary, then click **Finish**.

Postinstallation

SVNKit is no longer automatically installed with TIBCO Business Studio - BPM Edition. To use SVN integrated with TIBCO Business Studio - BPM Edition, install it by using the instructions given here: https://marketplace.eclipse.org/content/subclipse/help.

Installing Automated Application CI/CD

Installing Automated Build Support allows you to build a Docker image. When the DevOps team includes the Docker image in your CI/CD build pipeline, it can be used to perform the following functions:

- To import your BPM application projects

- To build the BPM application projects and generate deployment artifacts (`.rasc` files) for them

- To deploy the artifacts into test, staging, or production runtime environment in the correct order of dependency and to skip unnecessary deployments

You must build the Docker image for each new version of TIBCO Business Studio - BPM Edition.

For more information about building a Docker image and generating and deploying the artifacts to the BPM Enterprise Edition, see the *TIBCO_HOME*`/docker_cicd/readme.txt` file.

Prerequisites for Automated CI/CD

Before you use Docker, ensure that you have the following software installed:

TIBCO Business Studio - BPM Edition Installer for Linux

Whether you build the Docker image on a Windows or a Linux environment, the Automated CI/CD Docker image is based on a Linux environment and requires an equivalent version of the TIBCO Business Studio - BPM Edition installer for Linux.

Docker

We recommend the most recent version of Docker. Please refer to the *readme* file for more information. For details of how to install and set up Docker on the specific operating system, see Docker documentation.

Installing in Silent Mode (All Platforms)

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

Before you begin

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 use the `TIBCOUniversalInstaller.silent` file, it is a good practice to copy the file to a different name and use that file for the silent install.

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

Procedure

1. Open the physical media or download the package from TIBCO eDelivery. To access the TIBCO eDelivery website, you need a username and password. If you do not receive a username and password, contact TIBCO Technical Support.

2. Extract the contents of the package 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 name the file.

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="myfile name.silent"`

   If you are using the `TIBCOUniversalInstaller.silent` file, you need not supply the file name and can run: `TIBCOUniversalInstaller -silent`.

Uninstalling TIBCO Business Studio - BPM Edition

To uninstall TIBCO Business Studio - BPM Edition from your system, perform the following steps:

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

Linux\UNIX

1. Open a terminal.

2. Navigate to *TIBCO_HOME*/`tools/universal_installer`.

3. Run the uninstaller `TIBCOUniversalInstaller-lnx-x86-64.bin`.

Windows

You can perform one of the following steps:

- Use the uninstaller provided with TIBCO Business Studio - BPM Edition or

- Remove the installation using the **Programs and features** option in the Control Panel.

> **Note:** When you install TIBCO Business Studio - BPM Edition, if the installer detects a suitable Java Virtual Machine (JVM), that JVM is used by TIBCO Business Studio - BPM Edition. The uninstallation fails if you remove the JVM used by TIBCO Business Studio - BPM Edition before removing TIBCO Business Studio - BPM Edition. If this happens, you can use the command line to uninstall with the **-is:javahome** option.
>
> To do this, navigate to the `TIBCO_HOME`/tools/universal_installer folder and enter the following command `TIBCOUniversalInstaller-x86-64.exe -is:javahome <JRE_HOME>`

Using the Uninstaller

Uninstall TIBCO Business Studio - BPM Edition using the uninstaller.

Procedure

1. Log in to the system on which you want to uninstall TIBCO Business Studio - BPM Edition.

2. Navigate to the *TIBCO_HOME*`/tools/universal_installer`.

3. Run `TIBCOUniversalInstaller-x86-64.exe`.

4. Select **Uninstall Products from a TIBCO Home Location**.

5. In the **TIBCO Home Location** field, choose the *TIBCO_HOME* from which you want to uninstall TIBCO Business Studio - BPM Edition, then click **Next**.

6. On the **Welcome** dialog, click **Next**.

7. On the **Uninstallation Type** dialog, choose one of the following, then click **Next**:

   - **Custom Uninstall** to choose specific products from the specified *TIBCO_HOME*.

   - **Typical Uninstall** to uninstall all products from the specified *TIBCO_HOME*.

   If you select **Custom Uninstall**, a dialog is displayed on which you can choose the products to uninstall. Choose the appropriate products, then click **Next**.

8. On the **Pre-Uninstall Summary** dialog, confirm that the appropriate products are being uninstalled, then click **Uninstall**.

   > **Note:** The TIBCO Business Studio - BPM Edition entries in the Start menus might 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 **Programs and Features** 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 can 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 launches. Follow the uninstallation steps in Using the Uninstaller.

   > **ℹ** **Note:** The uninstaller might 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.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

How to Access TIBCO Documentation

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

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

Product-Specific Documentation

The documentation for this product is available on the TIBCO Business Studio™ - BPM Edition Product Documentation page.

How to Contact Support for TIBCO Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our product Support website.

- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the product Support website. If you do not have a username, 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 TIBCO Community.

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