TIBCO® MDM Studio
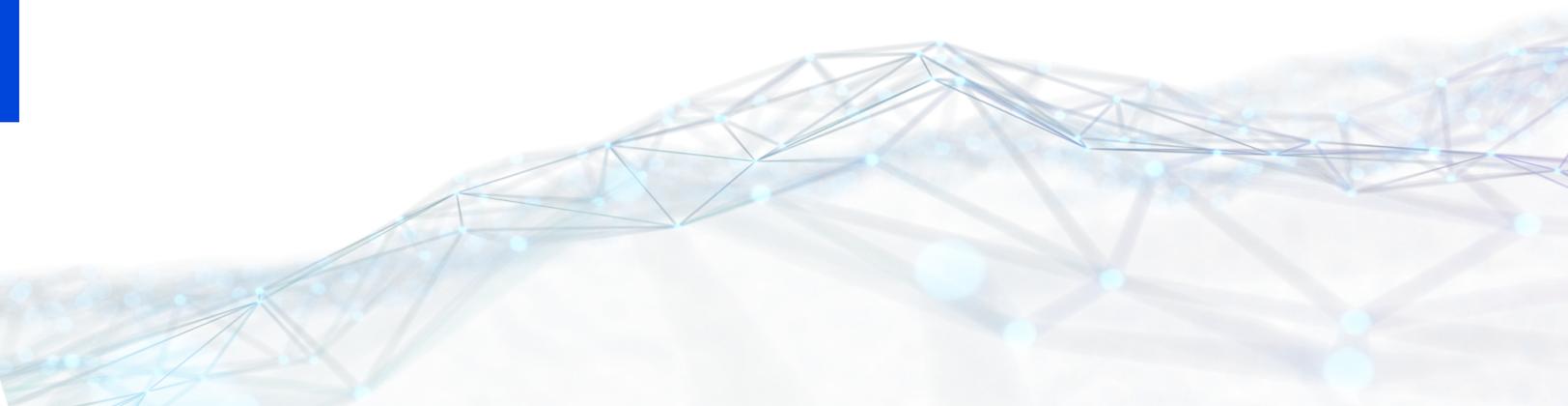
Installation

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Contents

Product Overview

TIBCO® MDM Studio consists of the following components: Repository Designer, Rulebase Designer, and Process Designer.

Repository Designer

Repositories are the cornerstone of TIBCO® MDM. All your data and records, both master and reference, are created, stored, and managed in repositories.

The Repository Designer adds a visual element to designing repositories and makes the process quicker and more intuitive.

The Repository Designer is based on TIBCO Business Studio and acts as an 'add on' component to Business Studio. The Repository Designer now comes with a new, TIBCO MDM specific model editor through which you can design and edit your repository model. Repository models are now in a .rep format, contained in a special folder called "Repository Models".

What you can do with the Repository Designer

With the Repository Designer, you can create repositories, modify them, add attributes and attribute groups, create self or cross repository relationships, and export the final repository model to TIBCO MDM and use it as is.

You can also import repository metadata exported from TIBCO MDM into the Repository Designer for further edits. You can also perform direct deployment using network deployment on the TIBCO MDM.

The repository model now supports creation of output maps, synchronization formats, Input Maps, Perspective, and classification schemes for your repository.

Rulebase Designer

The TIBCO MDM Rulebase Designer provides an intuitive graphical user interface to help business users understand and design rule and rule flows for TIBCO MDM. The Rulebase Designer adds a visual element to designing rulebases and makes the process quicker and more intuitive.

The Rulebase Designer is based on TIBCO Business Studio and acts as an 'add on' component to Business Studio. Rulebase models are stored in a **.rul** format, contained in a special folder called **Rulebase Models**.

What you can do with the Rulebase Designer

The Rulebase Designer provides an interface to:

- Graphically declare **Variables** and **Constraints**.

- Graphically define **If-Then-Else** conditions (flowchart representation).

- Graphically define **Actions** corresponding to **Then** or **Else** conditions.

- Define **Expressions** through an expression editor (for Conditions/Actions described by expressions and where clauses).

- Define **Expressions** with ease using the context sensitive help in the expression editor.

- **Drag and drop** semantics in the expression editor.

- **Check syntax** of rules at development time.

- **Import** existing rulebases.

- **Direct deployment** to TIBCO MDM using network deployment on the TIBCO MDM Server.

Process Designer

Workflows are integral to TIBCO MDM. Organizations use workflows extensively to initiate and manage their business processes.

TIBCO MDM currently supports processes defined as XML. With the various parameters and details that you need to define, creating processes can be time consuming and complicated.

The Process Designer addresses this need by providing a graphical user interface for designing processes. It can be used to define processes from scratch or to edit existing processes. It is based on TIBCO Business Studio and acts as an 'add on' component to Business Studio.

You can create workflows from scratch in the Process Designer and then export it back to TIBCO MDM or you can import existing workflows from TIBCO MDM into the Process Designer for modification.

You can also perform Direct deployment using network deployment on the TIBCO MDM Server.

About Business Studio

TIBCO Business Studio is an application designer suite of tools intended for business analysts and those responsible for the implementation of business processes. It is intended as a comprehensive designer for multiple workflow engines. It includes, among other components such as Analyst tools largely focusing on simulating business processes, a Workflow Designer and a data modeling tool - Concept Modeler. Business Studio is based on the Eclipse toolset.

XPDL and TIBCO MDM

Business Studio stores workflow designer models according to the XPDL standard. XPDL (XML Process Definition Language) is an XML schema based language to express a process definition. It contains a commonly used set of primitives for workflow modeling, and also includes several extension points. Business Studio provides a graphical designer for XPDL without extension. It supports workflow definitions in syntax other than XPDL. The primary mechanism to support other process flow definition languages is through mapping the languages from XPDL to other languages, both as an import mapping and as an export mapping.

TIBCO MDM uses its own workflow definition language, also based on XML Schema. In general, XPDL is a superset of the concepts in the TIBCO MDM workflow. However, there

are some areas where the TIBCO MDM workflow definition language is not easily mapped onto XPDL.

WSDL and the TIBCO MDM Process Designer

The TIBCO MDM Process Designer uses Web Service Description Language (WSDL) for definition of TIBCO MDMactivities. For more details, refer to Chapter 4 Activities in *Process Designer User's Guide*.

UI Builder

TIBCO MDM UI Builder allows customers and TIBCO Field Engineers to build custom UIs for the TIBCO MDM application. Using UI Design tool you can simply drag and drop the UI widgets onto the tree outline viewer to build custom user interfaces for their own requirements. The tool supports TIBCO MDM by providing access to complete data models, individual repositories, and repository attributes and their attribute groups directly from the tool's GUI palette. This process reduces the custom UI development time compared to the exiting methods and practices. It also allows you to include custom widgets which is not available in the out-of-the-box widget list.

The UI Builder is a Design Tool act as an 'add on' component to TIBCO MDM Studio. TIBCO MDM UI pages are stored in a **.mub** format, contained in a special folder called **UI Builder**.

What you can do with UI Builder

Using the UI Builder you can:

- Design HTML pages for the custom UI.

- Export the auto-generated UI artifacts (HTML, JS, and CSS) and deployed it on TIBCO MDM application.

- Export custom page artifacts to TIBCO MDM using different menu options.

Installation Overview

TIBCO MDM Studio can be in GUI mode in Windows or Linux, or in silent mode in all platforms.

Installing in the GUI Mode in Windows

To perform installation in GUI mode in windows, perform the following steps:

Check Your System Requirements

Run the Setup Program and Complete the Preliminary Details

Specify an Installation Environment

Choose the Type of Installation and Product Features

Review Your Installation Choices

Finish Installing TIBCO MDM Studio

Check Your System Requirements

Perform the system requirement checklist.

Ensure that your target computer meets the necessary system requirements to install TIBCO MDM Studio. The system requirements are listed in the readme.txt file.

Run the Setup Program and Complete the Preliminary Details

To complete the setup and complete the details, perform the following:

Procedure

1. Extract the archive the product was delivered in.

2. Run the `TIBCOUniversalInstaller.exe` application. This will start up the Universal Installer through which you can install TIBCO MDM Studio and the TIBCO MDM Studio Plug-ins.

    After a short delay while the installer initializes, the Welcome dialog is displayed. Review the information in the Welcome dialog and click **Next**.

3. The License Agreement dialog is displayed. 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.

Specify an Installation Environment

The Environment Type dialog is displayed.

A TIBCO installation environment is used for software installations and consists of a Name and Directory. Products installed into different installation environments do not share components; therefore you can keep product installations completely isolated from each other.

Procedure

1. If you have previously installed a TIBCO product using the Universal Installer, you can either:

   - Install into a previously-created installation environment (Select the **Use an existing TIBCO_HOME** radio option and select the environment from the drop-down list).

   - Create another installation environment to keep the product installation separate (Select the **Create a new TIBCO_HOME** radio option. **Browse** to the directory where product needs to be installed and provide a unique environment name.).

2. Click **Next**.

Choose the Type of Installation and Product Features

By default, Studio Master Data Management is selected.

> ℹ **Note:** If you select **Customize Installation**, you must select all TIBCO MDM Modeling components.

Click **Next**.

Review Your Installation Choices

Review the installation choices.

Procedure

1. 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. You can then restart the installation process from that point.

2. When you are satisfied with your choices, click **Next**.

Finish Installing TIBCO MDM Studio

Complete the installation.

The installer now performs the necessary installation tasks. When installation has completed, the Post Install Summary dialog is displayed. Click **Finish** to exit from the installer.

Installing in the GUI Mode in Linux

To install in GUI mode in Linux, perform the following

Procedure

1. Run the shell script TIBCOUniversalInstaller-lnx-xnn.bin.

2. Follow the installation steps which is similar to those in Installing in the GUI Mode in Windows other than the following:

   • Accept the GNOME License Agreement which uses the LGPL License.

   • Click **Download Gnome Binding assembly from TIBCO**.

   > ℹ️ **Note:** Ensure that you have write permission to the installation path.

Installing in the Silent Mode - All Platforms

The following procedure explains how to install TIBCO MDM Studio in the silent mode on all platforms.

The TIBCOUniversalInstaller.silent file is packaged in the directory that contains the universal installer. You must edit the file with the 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 is recommended that you 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 distribution DVD or download the TIBCO MDM Studio product package.

2. Extract the TIBCO MDM Studio 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_bstudio-mdm.6.1.1.silent file and rename 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:

   Windows

   TIBCOUniversalInstaller.cmd -silent -V responseFile="myfilename.silent"

   Linux

   TIBCOUniversalInstaller-lnx-xnn-nn.bin -silent -V responseFile="myfilename.silent"

Post Installation Steps in Linux

To access TIBCO MDM Studio UI Builder projects in Linux, you need to perform these steps.

Procedure

1. Navigate to `$STUDIO_HOME/eclipse` and open the `TibcoBusinessStudio.ini` file.

2. Add the following two parameters:

   `-Dorg.eclipse.swt.browser.DefaultType=mozilla-xremote-client`

   `-Dorg.eclipse.swt.browser.XULRunnerPath=/home/apps/cimstudio/xulrunner`

   > ℹ️ **Note:** Download the XULRunner installer from
   > https://ftp.mozilla.org/pub/xulrunner/releases/10.0.4esr/runtimes/xulrunner-10.0.4esr.en-US.linux-x86_64.tar.bz2

3. Restart TIBCO MDM Studio.

Starting TIBCO MDM Studio - All Platforms

The following procedure explains how to start TIBCO MDM Studio on all platforms.

To start TIBCO MDM Studio, perform the following steps:

Windows

1. Navigate to **Start > Program > TIBCO >Studio Designer**.

2. Double-click `Studio Designer`.

OR

1. Navigate to `<STUDIO_HOME>/studio-mdm/<version>/eclipse`

2. Run `TIBCOBusinessStudio.exe`

Linux

1. Open the terminal.

2. Navigate to `<TIBCO_HOME>/studio-mdm/<version>/eclipse$`

3. Run `./TIBCOBusinessStudio`

Uninstalling TIBCO MDM Studio

TIBCO MDM Studio can be uninstalled from Windows or Linux.

Uninstalling the TIBCO MDM Studio - On Windows

To perform unistallation in GUI mode in windows, perform the following steps

Run the Setup Program

Choose the Type of Uninstallation and Product Features

Review Your Uninstallation Choices

Finish Uninstalling TIBCO MDM Studio

Run the Setup Program

To run the setup, perform the following.

Procedure

1. Go to **Start** -**All Program**s-**TIBCO**-<TIBCO_HOME> and click **Uninstall**.

2. This will start up the Universal Installer through which you can uninstall TIBCO MDM and the TIBCO MDM Studio.

3. Select **Uninstall Products From Selected TIBCO Home Location** and click **Next.**

   After a short delay while the installer initializes, the Welcome dialog is displayed. Review the information in the Welcome dialog and click **Next**.

Choose the Type of Uninstallation and Product Features

Choose the installation type.

Procedure

1. The Uninstallation Type dialog is displayed. Select the **Custom > Uninstall** option to individually select certain features for uninstallation. Then click **Next** to continue with the uninstallation.

2. Select the products you want to uninstall and click **Next**.

Review Your Uninstallation Choices

Review the installation choices.

Procedure

1. After the uninstaller configures your uninstallation choices, the Pre Uninstall 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. You can then restart the uninstallation process from that point.

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

3. A confirmation dialog box is displayed, click **Yes, clean it up**.

Finish Uninstalling TIBCO MDM Studio

Complete the uninstallation.

The uninstaller now performs the necessary uninstallation tasks. When uninstallation has completed, the Post Uninstall Summary dialog is displayed. Click **Finish** to exit from the installer.

Uninstalling the TIBCO MDM Studio - On Linux

To uninstall the TIBCO MDM Studio on linux, perform the following.

Procedure

1. Open a terminal.

2. Navigate to <TIBCO_HOME>/tools/universal_installer.

3. Run the shell script TIBCOUniversalInstaller-lnx-xnn.bin.

4. Follow the uninstallation steps similar to those in, Uninstalling the TIBCO MDM Studio - On Windows.

TIBCO Documentation and Support Services

For information about this product, you can read the documentation, contact Support, and join 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® MDM Studio 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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