

TIBCO ActiveMatrix[®] Decisions

Installation

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Two-Second Advantage[®]



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Preface

This guide describes how to install TIBCO ActiveMatrix Decisions.

Topics

- [Connecting with TIBCO Resources, page vii](#)

Related Documentation

This section lists documentation resources you may find useful.

TIBCO ActiveMatrix Decisions Documentation

The following documents form the TIBCO ActiveMatrix Decisions documentation set:

- *TIBCO ActiveMatrix® Decisions Installation* Read this manual for instructions on installation.
- *TIBCO ActiveMatrix® Decisions Release Notes* Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.
- *TIBCO ActiveMatrix® Decisions Readme* The Readme provides information about supported platforms, as well as specific versions of software with which this product is compatible.

Other TIBCO Product Documentation

You may find it useful to read the documentation for the following TIBCO product documents:

- *TIBCO Business Studio™ ActiveMatrix® Decisions Add-in User's Guide* Read this manual for instructions on using the TIBCO Business Studio ActiveMatrix Decisions Add-in to create decision services using TIBCO Business Studio.

Connecting with TIBCO Resources

How to Join TIBCOCommunity

TIBCOCommunity is an online destination for TIBCO customers, partners, and resident experts. It is a place to share and access the collective experience of the TIBCO community. TIBCOCommunity offers forums, blogs, and access to a variety of resources. To register, go to <http://www.tibcommunity.com>.

How to Access TIBCO Documentation

After you join TIBCOCommunity, you can access the documentation for all supported product versions here:

<http://docs.tibco.com>

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.

Chapter 1 **Introduction**

This chapter provides an overview of installing TIBCO ActiveMatrix® Decisions.

Topics

- [Installation Overview, page 2](#)
- [Installation Modes, page 3](#)
- [Installer Account, page 4](#)
- [Installer Log File, page 5](#)
- [System Requirements, page 6](#)

Installation Overview

The ActiveMatrix Decisions installer allows you to install one or both of the following features:

- **ActiveMatrix Decisions IT (ADEC IT)** - This contains all of the logic needed to execute decision flows. This part of ActiveMatrix Decisions must always be installed, regardless of whether the decision flow was created to be executed as a web service or as a decision task in a BPM process.
- **ActiveMatrix Decisions Task Extension Activity (DTEA)** - This is invoked when a decision flow is called from a decisions service task in a BPM process. This part of ActiveMatrix Decisions needs to be installed only when the decision flow is called from a service task of type "Decision Service" (it is not needed if the service task is of type "Web Service").

These ActiveMatrix Decisions features cause *application templates* to be installed. These application templates will be available via TIBCO ActiveMatrix Administrator after you install ActiveMatrix Decisions.

The two application templates installed are:

- **TIBCO ActiveMatrix Decisions Service IT Application** - This application template is installed by installing the ADEC IT. Using ActiveMatrix Administrator, you must create a *Decisions Product IT* application using this application template, then deploy that application to the node. The Decisions Product IT application must exist on the node in order to run user applications that depend on it.
- **TIBCO ActiveMatrix Decisions BPM Extension IT Application** - This application template is installed by installing the DTEA. Using ActiveMatrix Administrator, you must create an instance of this application template and deploy it to the node to be able to execute a decision flow via a service task in a BPM process.

Creating applications using these application templates, and deploying them to a node, is described in the post-installation configuration procedure provided in [Post-Installation Configuration on page 19](#).

For information about designing decision flows and decision tables, see the *TIBCO Business Studio ActiveMatrix Decisions Add-in User's Guide*.

Installation Modes

The following three installation modes are available:

- **GUI Mode** - The GUI (graphical user interface) mode causes the installer to present dialogs that allow you to make choices about product selection, product location, and so on.

For information about installing in GUI mode, see [Installing in GUI Mode on page 8](#).

- **Console Mode** - Console mode allows you to run the installer from the command prompt or a terminal window. This is useful if your machine does not have a Windows environment.

For information about installing in Console mode, see [Installing in Console Mode on page 10](#).

- **Silent Mode** - Silent mode installs the software without prompting you for information — all the information the installer needs specified in a file before you initiate the installation.

For information about installing in Silent mode, see [Installing in Silent Mode on page 11](#).

Installer Account

Microsoft Windows

You must have administrator privileges for the machine on which this product 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.

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

UNIX

Any user can install this product.

- Regular (non-root) user
- Super-user (root)

While installing this product on UNIX platforms, ensure that the same installer account is used to install all TIBCO ActiveMatrix products.

Installer Log File

Windows

On Windows, the installer log file is written to the following directory:

User_Home\ .TIBCO\install_identifier

where *identifier* is in the form of the date and time ActiveMatrix Decisions was installed, and a unique number used to identify this particular installation.

For example:

C:\Users\smiller\.TIBCO\install_10-02-2015.132827

UNIX

On UNIX, the installer log file is written to the following directory:

\$HOME/ .TIBCO/install_identifier

where *identifier* is in the form of the date and time ActiveMatrix Decisions was installed, and a unique number used to identify this particular installation.

For example:

/home/user1/.TIBCO/install_10-02-2015.177832

System Requirements

This section describes the system requirements for installing the ActiveMatrix Decisions.

Supported Platforms

Refer to the readme file for the supported platforms.

Required Software

TIBCO ActiveMatrix BPM must already be installed on the machine on which you are going to install the ActiveMatrix Decisions.

You will then install ActiveMatrix Decisions in the same *TIBCO_HOME* that was used when TIBCO ActiveMatrix BPM was installed.

For information about the specific versions for which TIBCO ActiveMatrix Decisions is compatible, see the TIBCO ActiveMatrix Decisions Readme.

Chapter 2

Installing and Upgrading TIBCO ActiveMatrix Decisions

The TIBCO ActiveMatrix Decisions software can be installed or upgraded on either Windows or UNIX.



Perform the steps described in this chapter regardless of whether you are installing or upgrading TIBCO ActiveMatrix Decisions.

Topics

- [Installing or Upgrading on Windows, page 8](#)
- [Installing or Upgrading on UNIX, page 15](#)

Installing or Upgrading on Windows

Install or upgrade ActiveMatrix Decisions in Windows using one of the following modes:

- [Installing in GUI Mode on page 8](#)
- [Installing in Console Mode on page 10](#)
- [Installing in Silent Mode on page 11](#)

When the installation is complete, you must perform the post-installation or post-upgrade configuration as described in [Post-Installation Configuration on page 19](#) or [Post-Upgrade Configuration on page 25](#), depending on whether it is a new installation or an upgrade from a previous version.

Installing in GUI Mode

1. Open the physical media or download the ActiveMatrix Decisions package.
2. Extract the ActiveMatrix Decisions archive files to a temporary directory.
3. Navigate to the temporary directory and run the TIBCO Universal Installer (TIBCOUniversalInstaller-x86-64.exe).
4. On the **Welcome** dialog, click **Next**.
5. Read through the license agreement, select **I accept the terms of the license agreement**, then click **Next**.

If you do not agree to the terms of the license agreement, click **Cancel** to exit from the installation process.

6. On the **TIBCO Installation Home** dialog, select **Use an existing TIBCO_HOME**, choose the *TIBCO_HOME* in which you had previously installed ActiveMatrix BPM, then click **Next**.

7. On the **Installation Profile Selection** dialog, select a profile in the left pane, or select the **Customize Installation** check box and check the appropriate check boxes next to the components in the right pane. The available profiles are:
 - **Install Decisions Service & BPM Extension** - This installs both the ActiveMatrix Decisions IT (ADEC IT) *and* the ActiveMatrix Decisions Task Extension Activity (DTEA).
Use this profile if you will be running BPM processes that use service tasks to call the decision service.
 - **Install ActiveMatrix Decisions Service only** - This installs only the ActiveMatrix Decisions IT (ADEC IT).
Use this profile if you will only be running decision services as web services.



No changes have been made to the ActiveMatrix Decisions Task Extension Activity since version 1.1.0. Therefore, if you are upgrading from version 1.1.0 or newer, there is no reason to install the ActiveMatrix Decisions Task Extension Activity; in this case, choose **Install ActiveMatrix Decisions Service only**.

However, if you are upgrading from a version prior to 1.1.0, and you had previously installed the ActiveMatrix Decisions Task Extension Activity, you will need to upgrade it also. In this case, choose **Install Decisions Service & BPM Extension**.

For additional information about the components that can be installed, see [Installation Overview on page 2](#).

8. Click **Next**.
9. On the **Pre-Install Summary** dialog, click **Install**.
10. When the **Post Install Summary** dialog displays, click **Finish** to complete the installation process and close the installer window.
11. Perform the post-installation configuration:
 - If this is a new installation, see [Post-Installation Configuration on page 19](#).
 - If this is an upgrade from an earlier version, see [Post-Upgrade Configuration on page 25](#).

Installing in Console Mode

Console mode allows you to install ActiveMatrix Decisions from a non-Windows environment. This mode presents a series of prompts that request the same information that you would enter on the dialogs presented in the GUI installation mode.

The basic command to run a console installation is:

```
<Installer> -console
```

where *<Installer>* is the name of the installer **.exe** file (on Windows) or **.bin** file (on UNIX).

To perform a console mode installation, follow these steps:

1. Log on to the machine on which you are installing.

For information about the login user, see [Installer Account on page 4](#).

2. Enter the ActiveMatrix Decisions setup program name at a command prompt or in a terminal window, followed by the `-console` switch.

For example:

```
TIBCOUniversalInstaller.exe -console
```

3. Respond to each of the prompts as required.

Generally, the prompts in console mode expect you to enter a number to indicate your selection, then press **Enter** to submit that entry. Then you must enter a **0** (zero) and press **Enter** to finish that prompt and proceed to the next prompt.

If a value is shown in square brackets at the end of the prompt (for example, [0]), it signifies a default. Pressing **Enter** submits that value.

For additional information about possible responses to the prompts, refer to the chapter about the GUI installation on [page 8](#).



No changes have been made to the ActiveMatrix Decisions Task Extension Activity since version 1.1.0. Therefore, if you are upgrading from version 1.1.0 or newer, there is no reason to install the ActiveMatrix Decisions Task Extension Activity.

However, if you are upgrading from a version prior to 1.1.0, and you had previously installed the ActiveMatrix Decisions Task Extension Activity, you will need to upgrade it also.

4. Perform the post-installation configuration:
 - If this is a new installation, see [Post-Installation Configuration on page 19](#).
 - If this is an upgrade from an earlier version, see [Post-Upgrade Configuration on page 25](#).

Installing in Silent Mode

A silent-mode installation installs ActiveMatrix Decisions without prompting you for information. The installer uses a file in which you've specified the installation parameters.

Silent Installation Parameter File

The ActiveMatrix Decisions installation package includes a *silent installation parameter file* in which you specify the installation parameters needed by the installer. It is named:

`TIBCOUniversalInstaller-amx-dec_version.silent`

where *version* is the version of ActiveMatrix Decisions that you are installing.

The silent installation parameter file contains the following parameters, some of which you must modify prior to installing in silent mode; others may or may not need to be modified, depending on your installation.

Parameter key	Description
acceptLicense	<p>Specifies whether or not to accept the TIBCO license agreement.</p> <p>Possible values: true or false</p> <p>Must be set to true for the installation to continue.</p>
installationRoot	<p>The root installation directory. This is the <code>TIBCO_HOME</code> directory in which ActiveMatrix BPM was installed, and subsequently, the root directory in which you are installing ActiveMatrix Decisions.</p>
createNewEnvironment	<p>Specifies whether or not to create a new environment.</p> <p>This must <i>always</i> be set to "false", as ActiveMatrix Decisions can only be installed into an existing ActiveMatrix BPM installation.</p>

Parameter key	Description
environmentName	<p>The name of the environment in which you are installing. This name was specified when ActiveMatrix BPM was installed. It is stored in the following files.</p> <p>Windows: <Program Files>\Common Files\InstallShield\Universal\TIBCO\Gen1_vpddb_envInfo.xml</p> <p>UNIX: <user.home>/InstallShield/Universal/TIBCO/Gen1/_vpddb/_envInfo.xml</p>
downloadHibernate	ActiveMatrix Decisions does not require Hibernate, therefore this should be set to false.
hibernatePath	ActiveMatrix Decisions does not require Hibernate, therefore this path should be empty.
amx-dec_amx-dec	<p>Specifies to install the full installation set.</p> <p>Do not modify this parameter.</p>
configDirectoryRoot	Specifies the location of configuration files if it is not already defined for the <i>TIBCO_HOME</i> instance.
useInstallProfile	<p>Specifies to use the installation profile in the selectedProfiles parameter (see below).</p> <p>Do not modify this parameter.</p>

Parameter key	Description
selectedProfiles	<p>Specifies the ActiveMatrix Decisions component(s) to install.</p> <p>The valid entries are:</p> <p>1. Install Decisions Service & BPM Extension</p> <p>or</p> <p>2. Install ActiveMatrix Decisions Service only</p> <p>The first entry installs both the ActiveMatrix Decisions IT and the ActiveMatrix Decisions Task Extension Activity.¹ (Note that the ampersand must be escaped as shown above.)</p> <p>The second entry installs only the ActiveMatrix Decisions IT.</p> <p>Example:</p> <pre><entry key="selectedProfiles">2. Install ActiveMatrix Decisions Service only</entry></pre>

1. No changes have been made to the ActiveMatrix Decisions Task Extension Activity since version 1.1.0. Therefore, if you are upgrading from version 1.1.0 or newer, there is no reason to install the ActiveMatrix Decisions Task Extension Activity. However, if you are upgrading from a version prior to 1.1.0, and you had previously installed the ActiveMatrix Decisions Task Extension Activity, you will need to upgrade it also.

Performing a Silent Installation

To perform a silent installation of ActiveMatrix Decisions:

1. Modify the silent installation parameter file to fit your installation. See [Silent Installation Parameter File on page 11](#).
2. From a command line, at the location of the Universal Installer and silent installation parameter file, enter the following:

```
TIBCOUniversalInstaller -silent
```

The installation is performed silently.

An indication of a successful installation is an amx-dec directory under *TIBCO_HOME*. You can also look in the installer log file. For information about the location of the installer log file, see [Installer Log File on page 5](#).

3. Perform the post-installation configuration:
 - If this is a new installation, see [Post-Installation Configuration on page 19](#).
 - If this is an upgrade from an earlier version, see [Post-Upgrade Configuration on page 25](#).

Installing or Upgrading on UNIX

This section describes the process of installing from a UNIX console. You can also use a GUI such as XWindows, if desired.

When the installation is complete, you must perform the post-installation procedure described in [Post-Installation Configuration on page 19](#).

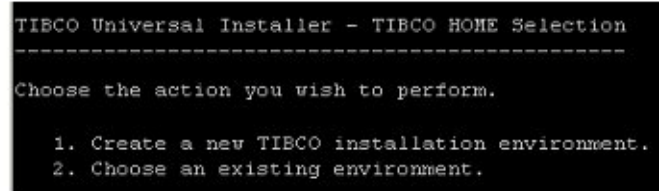
1. Open the physical media or download the ActiveMatrix Decisions package.
2. Extract the ActiveMatrix Decisions archive files to a temporary directory.
3. Navigate to the temporary directory in which you extracted the installer.
4. On the command line, type the following, then press Enter:

```
./UniversalInstallerName.bin -console
```

where *UniversalInstallerName* is the name of the .bin file that you extracted from the installation set. For example:

```
./TIBCOUniversalInstaller-lnx-x86-64.bin -console
```

5. Respond to each of the questions displayed by the TIBCO Universal Installer. Most of the questions are self explanatory. However, the following provides information about how to respond to some of the questions that may not be self explanatory:
 - a. For the following question....



```

TIBCO Universal Installer - TIBCO HOME Selection
-----
Choose the action you wish to perform.

1. Create a new TIBCO installation environment.
2. Choose an existing environment.
  
```

...choose option 2, "Choose an existing environment".

b. For the following question....

```
TIBCO Universal Installer - TIBCO HOME Selection
-----

Choose an existing TIBCO installation environment for this session
from the list below.
```

...select the *TIBCO_HOME* in which you had previously installed ActiveMatrix BPM (for more information, see [Required Software on page 6](#)).

c. For the following question....

```
TIBCO Universal Installer - Profile Selection
-----

Choose one or more installation profiles. Installation Profiles
preselect the installation features for you. You will have the
option to customize your selections after making your profile choices.

1. [ ] 1. Install Decisions Service & BPM Extension
2. [ ] 2. Install ActiveMatrix Decisions Service only
```

....choose the appropriate profile, as follows:

- **Install Decisions Service & BPM Extension** - This installs both the ActiveMatrix Decisions IT (ADEC IT) *and* the ActiveMatrix Decisions Task Extension Activity (DTEA).

Use this profile if you will be running BPM processes that contain decision service tasks.

- **Install ActiveMatrix Decisions Service only** - This installs only the ActiveMatrix Decisions IT (ADEC IT).

Use this provide if you will only be running decision services as web services.



No changes have been made to the ActiveMatrix Decisions Task Extension Activity since version 1.1.0. Therefore, if you are upgrading from version 1.1.0 or newer, there is no reason to install the ActiveMatrix Decisions Task Extension Activity.

However, if you are upgrading from a version prior to 1.1.0, and you had previously installed the ActiveMatrix Decisions Task Extension Activity, you will need to upgrade it also.

For additional information about the components that can be installed, see [Installation Overview on page 2](#).

6. Perform the post-installation configuration:
 - If this is a new installation, see [Post-Installation Configuration on page 19](#).
 - If this is an upgrade from an earlier version, see [Post-Upgrade Configuration on page 25](#).

Chapter 3 **Post-Installation Configuration**

This chapter provides instructions for post-installation configuration when performing a new installation of ActiveMatrix Decisions.



If you have upgraded from an existing version of ActiveMatrix Decisions, follow the steps in [Post-Upgrade Configuration on page 25](#) rather than this chapter.

Topics

- [Configuration Procedure, page 20](#)

Configuration Procedure

After you have successfully performed a new installation of ActiveMatrix Decisions, you **MUST MANUALLY CONFIGURE** the decision product applications using ActiveMatrix Administrator.



On a BPM Node using default field values, the ActiveMatrix Decisions IT application can be auto-provisioned when a customer Decisions Project is deployed. This is **NOT** true for the ActiveMatrix Decisions Task Extension Activity, which **MUST** be configured manually and **CANNOT** be auto-provisioned.

There are separate steps to configure the two possible components that can be installed:

- ActiveMatrix Decisions IT - See [Configuring the ActiveMatrix Decisions IT on page 20](#).
- ActiveMatrix Decisions Task Extension Activity - See [Configuring the ActiveMatrix Decisions Task Extension Activity on page 23](#).

After you have completed the necessary configuration as described in this chapter (for one or both of the components, depending on what you have installed), you are ready to deploy customer applications (DAAs) that use decisions. This can be done from either TIBCO Business Studio or from TIBCO ActiveMatrix Administrator — for information, see the documentation for those products.

Configuring the ActiveMatrix Decisions IT

1. Stop, then restart, the SystemNode.

This is required so that the application template for ActiveMatrix Decisions IT will show up in ActiveMatrix Administrator.

The procedure for this differs somewhat between a Windows and UNIX systems, as described in the two sets of substeps below.

To stop and restart the SystemNode on Windows:

- a. On the machine on which you have installed TIBCO ActiveMatrix Decisions, open a DOS command window.
- b. Navigate to the directory that contains `tibcohost.exe`. For example:

```
C:\ProgramData\amx-bpm\tibco\data\tibcohost\
Admin-AMX BPM-AMX BPM Server\host\bin\
```

- c. At the command prompt, enter the following, then press Enter:

```
tibcohost stopNodes -nodeNames SystemNode
```

- d. When the command prompt returns, give the system a minute to actually stop the node, then enter the following on the command line and press Enter:

```
tibcohost startNodes -nodeNames SystemNode
```

Note that you need to give the SystemNode a few minutes to restart. You can monitor the `tibamx_SystemNode.exe` process in Task Manager to determine if it has fully restarted.

- e. When the system node has fully restarted, close the DOS command window.

To stop and restart the SystemNode on a UNIX system:

- a. On the machine on which you have installed TIBCO ActiveMatrix Decisions, open a command window.

- b. Navigate to the directory that contains `tibcohost`. For example:

```
/opt/config/bpm400/tibco/data/tibcohost/  
Admin-AMX BPM-AMX BPM Server/host/bin
```

- c. On the command line, enter the following, then press Enter:

```
./tibcohost stopNodes -nodeNames SystemNode
```

- d. When the command prompt returns, give the system a minute to actually stop the node, then enter the following on the command line and press Enter:

```
./tibcohost startNodes -nodeNames SystemNode
```

Note that you need to give the SystemNode a few minutes to restart.

- e. When the system node has fully restarted, close the command window.

2. Start ActiveMatrix Administrator, pointing to the machine on which you installed the ActiveMatrix Decisions IT.

- 3. Create a new application using the application template installed by TIBCO ActiveMatrix Decisions IT:
 - a. Select the **Applications** tab, then click the **New** button.
 - b. Choose the **Select an existing application template** option, then click **Show system application templates**.
 - c. In the list of application templates, choose "TIBCO ActiveMatrix Decisions Service IT Application":

Upload a DAA or an EAR file or select an existing application template

☐ Create the application from a DAA or EAR file

☒ Select an existing application template

[\[Hide system application templates\]](#)

Application Template Name	Version	
TIBCO ActiveMatrix Decisions Service IT Application	1.3.0.000	▼
TIBCO ActiveMatrix Decisions BPM Extension IT Application	1.3.0.000	▼
TIBCO ActiveMatrix Platform Artifact Server	3.3.0.000	▼
TIBCO ActiveMatrix Platform Management Dashboard	3.2.0.000	▼

Application Name

Environment Name

com.tibco.adec.service.daa

BPMEnvironment


Application Folder

/

Select...

The default name for the application is "com.tibco.adec.service.daa". This can be changed in the **Application Name** field, if desired.

Note that if you change the application name AND you plan to deploy decisions service applications directly from TIBCO Business Studio, you will need to set the "Product Application Name" value in TIBCO Business Studio (found on the **Window > Preferences > Decisions** dialog). For more information, see the *TIBCO ActiveMatrix Decisions User's Guide*.


- d. Click **Next**.
 - e. On the "Where do you want to deploy your application" dialog, ensure that the node on which you will be running decision services is selected, then click **Next**.
 - f. On the "Supply values for configuration properties..." dialog, you can take the default values or select existing resources using the eye dropper icon.
 - g. On the next dialog, when the message says that the validation was successful, click **Deploy**.
4. On the Administrator **Applications** tab, refresh the list of applications (using the  button) until you see "Running" in the **Runtime State** column for the decisions application.

Configuring the ActiveMatrix Decisions Task Extension Activity

To configure the ActiveMatrix Decisions Task Extension Activity:

1. Start ActiveMatrix Administrator, pointing to the machine on which you installed the ActiveMatrix Decisions Task Extension Activity.
2. Create a new Application:
 - a. Select **Applications**, then click the **New** button.
 - b. Choose the **Select an existing application template** option, then click **Show system application templates**.
 - c. In the list of application templates, choose "TIBCO ActiveMatrix Decisions BPM Extension IT Application", then click **Next**.
 - d. On the "Where do you want to deploy your application" dialog, ensure that the node on which you will be running decision services is selected, then click **Next**.
 - e. On the "Configure promoted references" dialog, click **Next**.
 - f. The way in which you respond on the "Supply values for configuration properties..." dialog depends on whether or not there is an HTTP Client resource instance already defined on your node, as follows:
 - If there is not an HTTP client resource instance defined on the node, proceed to [step g](#). The wizard will step you through creating the HTTP Client in later steps.
 - If there is an HTTP Client resource instance defined on the node, click the eye-dropper icon to the right of the "HttpClient_DecisionService_EP" entry in the **Property Value** column,

select "BPMNode" in the **Host** list, select the instance from the **Instances** list, then click **Save**.

- g. On the "Supply values for configuration properties..." dialog, click **Next**.
The next dialog should tell you that the validation was successful. Note, however, that the message will also state that there were a few issues if you had not selected an HTTP Client resource instance in the previous step (this will be resolved after you click **Deploy**).
 - h. Click **Deploy**.
 - i. If you had selected an HTTP Client resource instance in [step f](#), proceed to [step 3](#), otherwise continue with the rest of these sub-steps.
 - j. Click the **Resolve** link in the upper right part of the dialog.
 - k. Click the **new resource template** link in the upper right part of the dialog.
 - l. In the **Type** field list, choose "Http Client".
 - m. Change the name in the **Name** field to "decHTTPClient".
 - n. Ensure the scope is set to "Global".
 - o. Change the number in the **Port** field to the port number used by the HTTP Connector on the node to which you are deploying (the default is 8080, but may have been changed), then click **Save**.
 - p. On the next dialog, select the HTTP client you just created (for example, "decHTTPClient") from the **Resource Template** field list, then click **Save**.
 - q. On the Warning dialog, click the **Retry** button.
 - r. On the next dialog, click the **Re-validate** button.
 - s. When the message says that the validation was successful, click **Deploy**.
3. On the Administrator **Applications** tab, refresh the list of applications (using the  button) until you see "Running" in the **Runtime State** column for the decisions application.

Chapter 4 **Post-Upgrade Configuration**

This chapter provides instructions for post-upgrade configuration of ActiveMatrix Decisions.



If you performed a fresh installation of ActiveMatrix Decisions, follow the steps in [Post-Installation Configuration on page 19](#) rather than this chapter.

Topics

- [Important - Upgrading Existing Decision Service Applications, page 26](#)
- [Post-Upgrade Configuration Procedure, page 27](#)

Important - Upgrading Existing Decision Service Applications

Decision service applications that were built with previous versions of the TIBCO Business Studio ActiveMatrix Decisions Add-in *may* need to be rebuilt after you upgrade, depending on which version they were built with, as described below.

If your decision service applications were built with a:

- pre-1.1.0 version of the TIBCO Business Studio ActiveMatrix Decisions Add-in, they *must* be rebuilt with the latest version of the add-in, using the latest version of TIBCO Business Studio (including the latest hotfixes). The running decisions applications must be undeployed, and the re-built applications deployed (this only applies to the decision service applications, not the BPM application that calls the decisions service).
- version 1.1.0 or newer of the TIBCO Business Studio ActiveMatrix Decisions Add-in, they do *not* need to be rebuilt.

BPM applications using the Decision Task Extension Activity to invoke Decision Services *do not* need to be rebuilt and redeployed when upgrading.

Post-Upgrade Configuration Procedure

After you have successfully upgraded ActiveMatrix Decisions from an earlier version, you must use ActiveMatrix Administrator to complete the upgrade. There are separate steps to configure the two possible components that can be upgraded:

- ActiveMatrix Decisions IT - See [Configuring the ActiveMatrix Decisions IT After Upgrade on page 27](#).
- ActiveMatrix Decisions Task Extension Activity - [Configuring the ActiveMatrix Decisions Task Extension Activity After Upgrade on page 29](#).

Configuring the ActiveMatrix Decisions IT After Upgrade

1. Stop, then restart, the SystemNode.

This is required so that the new application template for ActiveMatrix Decisions IT will show up in ActiveMatrix Administrator.

The procedure for this differs somewhat between a Windows and UNIX systems, as described in the two sets of substeps below.

To stop and restart the SystemNode on Windows:

- a. On the machine on which you have installed TIBCO ActiveMatrix Decisions, open a DOS command window.
- b. Navigate to the directory that contains tibcohost.exe. For example:

```
C:\ProgramData\amx-bpm\tibco\data\tibcohost\Admin-AMX
BPM-AMX BPM Server\host\bin\
```
- c. At the command prompt, enter the following, then press Enter:

```
tibcohost stopNodes -nodeNames SystemNode
```
- d. When the command prompt returns, give the system a minute to actually stop the node, then enter the following on the command line and press Enter:

```
tibcohost startNodes -nodeNames SystemNode
```

Note that you need to give the SystemNode a few minutes to restart. You can monitor the tibamx_SystemNode.exe process in Task Manager to determine if it has fully restarted.
- e. When the system node has fully restarted, close the DOS command window.

To stop and restart the SystemNode on a UNIX system:

- f. On the machine on which you have installed TIBCO ActiveMatrix Decisions, open a command window.
 - g. Navigate to the directory that contains tibcohost. For example:

```
/opt/config/bpm400/tibco/data/tibcohost/  
Admin-AMX BPM-AMX BPM Server/host/bin
```
 - h. On the command line, enter the following, then press Enter:

```
./tibcohost stopNodes -nodeNames SystemNode
```
 - i. When the command prompt returns, give the system a minute to actually stop the node, then enter the following on the command line and press Enter:

```
./tibcohost startNodes -nodeNames SystemNode
```

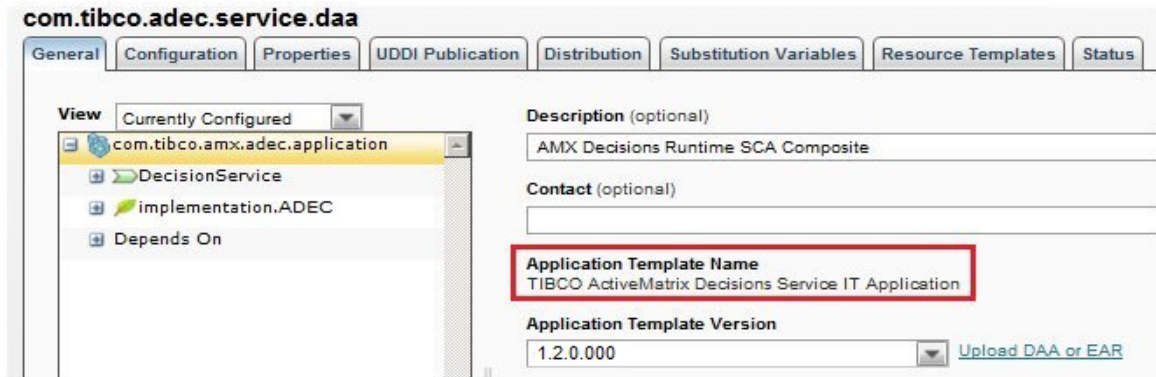
Note that you need to give the SystemNode a few minutes to restart.
 - j. When the system node has fully restarted, close the command window.
2. Start ActiveMatrix Administrator, pointing to the machine on which you installed the ActiveMatrix Decisions IT.
3. On the **Applications** tab, select the existing application for the “TIBCO ActiveMatrix Decisions IT”.

Applications

+ New ▾ ✕ Delete ▾ ➡ Deploy ▾ ➡ Undeploy ▾ ▶ Start ■ Stop ▾ ➡ Move	
Name	Application State
+ amx.bpm.app	
+ amx.bpm.shared.sysapps	
+ System	
com.example.bpmchkinsurance	Running
com.example.insorgmodel	Running
com.tibco.adec.service.daa	Running
com.tibco.adec.task.daa	Running
decisions.com.example.chkinsurancecedc	Running
decisions.hrz.rules.support.incidentmgmt.clientprofile.v1	Running

Note that the actual application name may differ in your configuration but you need to select the application whose template name is “TIBCO ActiveMatrix Decisions Service IT Application”. You can confirm by selecting

the application, then look under **Application Template Name** on the **General** tab:



4. On the **General** tab under the **Application Template Version**, select version 1.3.0.000.

Note that the previous version number shown depends on the version you are upgrading from (this example shows an upgrade from version 1.2.0).

A dialog box is displayed showing the effects of the upgrade. It states that the previous version of the application will be ignored, and version 1.3.0 is being added.

5. On the **Effects...** dialog, click **Save**.

Existing pre-version 1.1.0 decisions service applications in the **Applications** list will transition to a “Start Failed” state. This is because these decisions service applications need to be rebuilt with the latest ActiveMatrix Decisions Add-in and redeployed/upgraded (see [Important - Upgrading Existing Decision Service Applications on page 26](#)).

Existing decisions service applications of version 1.1.0 or newer will be restarted and should go to a running state.

Configuring the ActiveMatrix Decisions Task Extension Activity After Upgrade

Note that the ActiveMatrix Decisions Task Extension Activity has not been modified since version 1.1.0. Therefore, the ActiveMatrix Decisions Task Extension Activity does not need to be installed when you are upgrading from version 1.1.0 or newer. Hence, no configuration of the ActiveMatrix Decisions Task Extension Activity is required in this case.

If you are upgrading from a pre-version 1.1.0 of ActiveMatrix Decisions, and your existing installation includes the ActiveMatrix Decisions Task Extension Activity, you must perform these steps after upgrading.

To upgrade the ActiveMatrix Decisions Task Extension Activity:

1. Start ActiveMatrix Administrator, pointing to the machine on which you installed the ActiveMatrix Decisions Task Extension Activity.
2. Select the **Applications** tab, then select the existing application for the “TIBCO ActiveMatrix Decisions Task Extension Activity”. Note that the actual application name may differ in your configuration but you need to select the application whose template name is “TIBCO ActiveMatrix Decisions BPM Extension IT Application”.
3. On the **General** tab under the **Application Template Version**, select the new version.
4. A dialogue box will be displayed showing the effects of the upgrade.
5. Click **Save**.
6. Under the list of Applications, the Synchronization column for the ActiveMatrix Decisions Task Extension Activity will change to “Out of Sync”.
7. Make sure the ActiveMatrix Decisions Task Extension Activity application is selected and then click **Deploy**.
8. Wait for the application to transition to Application State of “Running” and Synchronization of “In Sync”.
9. Select the **Infrastructure** tab and choose **Software Management**.
10. Select the **Show System Features** link in upper right hand corner.
11. Expand the TIBCO ActiveMatrix Decisions BPM Extension IT.
12. Select the 1.x.xxx feature (where xxx may vary depending on which version of ActiveMatrix Decisions you are upgrading).
13. Click the **Edit** button.
14. This will display a dialogue showing the list of nodes where this feature is currently installed. Under the Selected Nodes list, select all the nodes that you are upgrading.
15. Click the < button to move those nodes to the Available Nodes list.
16. Click the **Apply with Resolve** button.
17. A warning dialogue will be displayed indicating that the effected nodes will be restarted.
18. Click the **Apply** button.

19. This will restart the nodes. Wait for the nodes to be fully restarted and all applications to be running.

Chapter 5 **Uninstalling ActiveMatrix Decisions**

This chapter explains how to uninstall ActiveMatrix Decisions.

Topics

- [Introduction, page 34](#)
- [Uninstall Procedure, page 35](#)

Introduction

When ActiveMatrix BPM is installed, a TIBCO Universal Uninstaller is provided in the following directory:

`TIBCO_HOME\uninstall`

Since ActiveMatrix Decisions is installed on top of (that is, in the same `TIBCO_HOME`) as ActiveMatrix BPM, you can use the uninstaller provided in the aforementioned directory to also uninstall ActiveMatrix Decisions.

Note, however that uninstalling ActiveMatrix Decisions has *no affect* on Decisions Product IT applications that have been created in ActiveMatrix Administrator and deployed to a node. It only removes the *application template* from the system so that it is no longer available from ActiveMatrix Administrator, preventing additional Decisions Product IT applications from being created and deployed. (The uninstall also removes files from the file system.)

If you no longer want Decision Product IT applications on the node because no more user applications will be run on the node that need the Decisions Product IT applications, you can undeploy them (using ActiveMatrix Administrator) in the following order:

- BPM Decisions user applications (BPM node only); all process instances for BPM applications calling decisions are complete or terminated/cancelled
- Decisions Service user applications
- Decisions Task IT application (BPM node only)
- Decisions Service IT application

After undeploying, the applications can be deleted in the same order.



The recommended best practice is to *not* uninstall ActiveMatrix Decisions while you are still using decision services or tasks on a runtime node. Once you uninstall ActiveMatrix Decisions, you will not be able to upgrade user applications that use the templates from the previous version of ActiveMatrix Decisions.

Uninstall Procedure

This section describes how to uninstall ActiveMatrix Decisions in GUI and Console mode.

GUI Mode

To uninstall this product:

1. Navigate to `TIBCO_HOME\tools\universal_installer` and run the **TIBCOUniversalInstaller**.
where `TIBCO_HOME` is the install directory for TIBCO ActiveMatrix BPM.
2. On the **TIBCOInstallationManager** dialog, select **Uninstall Products from a TIBCO Home Location**, choose the `TIBCO_HOME` in which TIBCO ActiveMatrix Decisions was installed, then click **Next**.
3. On the **Welcome** dialog, click **Next**.
4. On the **Uninstallation Type** dialog, choose an uninstallation option. The wizard provides two options:
 - **Custom Uninstall** You can select the products to be removed.
 - **Typical Uninstall** The universal uninstaller removes all of the products in this `TIBCO_HOME`.
5. Click **Next**.
 - a. If you selected the **Typical Uninstall** option, proceed to [step 6](#).
 - b. If you selected the **Custom Uninstall** option, the **Product Uninstall Selection** dialog displays. To uninstall this product, select the **TIBCO ActiveMatrix Decisions Runtime** check box, as well as any other TIBCO products in the current `TIBCO_HOME` that you want to also uninstall, then click **Next**.
6. Review the information on the **Pre-Uninstall Summary** dialog, then click **Uninstall**. When the uninstallation is complete, the **Post Uninstall Summary** displays.
7. Click **Finish** to exit *the uninstall wizard*.

Console Mode

To uninstall this product in Console mode, complete the following steps:

1. On a command line, navigate to the `TIBCO_HOME/tools/universal_installer` directory.

2. Run the following command to start the uninstallation:
 - Microsoft Windows: `TIBCOUniversalInstaller.exe -console`
 - UNIX: `./TIBCOUniversalInstaller-platform_acronym.bin -console`
3. Respond to the messages on the command line.
4. When the uninstallation completes, press **Enter** to exit the Universal Installer.