

TIBCO® Enterprise Administrator Agent for TIBCO Enterprise Message Service™ Guide

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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 one of the following file depending upon the variant of TIBCO Enterprise Administrator you are using:

For TIBCO Enterprise Administrator use: `TIBCO_HOME\release_notes`
`\TIB_tea_<version>_docinfo.html`

The following documents can be found in the TIBCO Documentation Library for TIBCO® Enterprise Administrator:

- *TIBCO® Enterprise Administrator Release Notes*
- *TIBCO® Enterprise Administrator Installation*
- *TIBCO® Enterprise Administrator User's Guide*
- *TIBCO® Enterprise Administrator Developer's Guide*
- *TIBCO® Enterprise Administrator Agent for TIBCO Enterprise Message Service™ Guide*
- *TIBCO® Enterprise Administrator Agent for TIBCO® Security Server Guide*

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>.

Overview of the TIBCO® Enterprise Administrator Agent for TIBCO Enterprise Message Service™

TIBCO® Enterprise Administrator (TEA™) provides a centralized administrative interface to manage and monitor multiple TIBCO products deployed in an enterprise. A product is exposed to TIBCO Enterprise Administrator with the help of an agent. The TIBCO Enterprise Administrator agent for TIBCO Enterprise Message Service™ is installed when you install the TIBCO Enterprise Administrator. This agent helps register the TIBCO Enterprise Message Service™ server with the TIBCO Enterprise Administrator server and allows you to monitor the health of the TIBCO Enterprise Message Service™ server from within the TIBCO Enterprise Administrator user interface. You can register multiple TIBCO Enterprise Message Service™ servers with a single TEA agent for TIBCO Enterprise Message Service™. The TEA agent for TIBCO Enterprise Message Service™ can be configured for manual or auto-registration with the TEA server.

This release of the agent lets you navigate through the TIBCO Enterprise Message Service™ server and view the information for TIBCO Enterprise Message Service™ destinations, connections, security, and configuration from within the TIBCO Enterprise Administrator user interface. You can create topics or queues using Python scripts or shell scripts both of which are supported in the TIBCO Enterprise Administrator.

TEA Administrative Interfaces

The TEA server provides three distinct user interfaces to the end user to communicate with the TEA Agent for TIBCO Enterprise Message Service™: Web UI, Command Line -based Shell interface, and Python Scripting.

1. Web UI: The TEA server provides a default UI to manage and monitor products. TIBCO Enterprise Message Service™ is shown as a product card in the Web UI. You can drill down the product to see the artifacts of the product. You can then administer and monitor the product from the TEA Web UI.
2. Shell Interface: The TEA server provides a command-line utility called the TIBCO Enterprise Administrator shell. It is a remote shell based on the SSH protocol. The Shell is accessible using any terminal program such as Putty. The scripting language is similar to bash from UNIX, but has important differences. You can use the Shell to perform almost all the tasks offered by the server UI.
3. Python Scripting: You can use Python scripting to perform any activity you performed using the Web UI. Python scripting is especially useful when you have to repeat a task for multiple users or use control structures to work through some conditions in your environment. Although you can use the Shell utility to use the command-line UI, the Shell UI does not support conditional statements and control structures. Python scripting proves to be useful in such cases.

This document discusses the Web UI interface. However, you can use the other two interfaces to achieve just about anything that you achieved using the Web UI. For more information on using these interfaces, refer to *TIBCO Enterprise Administrator User's Guide*.

Installing the EMS Server

Your TIBCO Enterprise Message Service™ server(s) can be installed on the same machine as the TEA Agent for TIBCO Enterprise Message Service™ or on different machines. For the TEA Agent for TIBCO Enterprise Message Service™ to interact with TIBCO Enterprise Message Service™ server(s) it needs access to TIBCO Enterprise Message Service™ client jars as a result one TIBCO Enterprise Message Service™ server should be installed on the same machine as that of TEA server.

Installing TIBCO Enterprise Administrator

The TEA Agent for TIBCO Enterprise Message Service™ comes bundled with TEA. You must install TEA in order to use the TEA Agent for TIBCO Enterprise Message Service™. Install TEA in the `<EMS_HOME>`. This will allow TEA to detect the `<EMS_HOME>` and update its own class path. If you install TEA in a location other than in `<EMS_HOME>`, you must provide the `EMS_HOME` location in the `ems-agent.tra` file located in the `bin` folder in the TEA Agent for TIBCO Enterprise Message Service™ home.

Do the following:

1. Open the `ems-agent.tra` file located in `<TEA_HOME>\tea\agents\ems\<EMS_agent_version>\bin` folder.
2. Uncomment the `tibco.env.EMS_HOME` property.
3. Set it to the path where the TEA Agent for TIBCO Enterprise Message Service™ is installed. For example, `tibco.env.EMS_HOME=C:/tibco/ems/7.0`
 Make sure to include the version number in the path.
4. Save the file and exit.

Verifying the Configuration for TEA Agent for TIBCO Enterprise Message Service™

Before you start the TEA Agent for TIBCO Enterprise Message Service™, you must verify that the configuration for the TEA Agent for TIBCO Enterprise Message Service™ is set correctly.

To do so, do the following:

Procedure

1. Open the <TEA_CONFIG_HOME>\tibco\cfgmgmt\ems-agent\conf\ems.conf file.
2. Verify that the port on which the TEA Agent for TIBCO Enterprise Message Service™ listens is correctly set. By default it is set to *ems.agent.http.port*=8077. You can change the port here if need be.
3. Verify the TEA server URL. By default, it is set to *ems.teaserver.url*=<http://localhost:8777/tea>. Make sure that this property points to the machine where TEA is installed. This allows for autoregistration of the TEA Agent for TIBCO Enterprise Message Service™ with the TEA server. Make sure that the port number set in this URL matches the port number that is set in the *tea.http.port* property in <TEA_CONFIG_HOME>\tibco\cfgmgmt\tea\conf\tea.conf file.

Before Using the TEA Agent for TIBCO Enterprise Message Service™

You have some options to configure the runtime environment.

To change host, port, or URL for TEA Agent for TIBCO Enterprise Message Service™

If you would like to change the host, port, or URL for the TEA Agent for TIBCO Enterprise Message Service™, you must do so in the `ems.conf` file

1. Open the `<TEA_CONFIG_HOME>\tibco\cfgmgmt\ems-agent\conf\ems.conf` file.
2. Edit the values for one or all of these properties in the `ems.conf` file to reflect the change you want to make:
 - `ems.agent.host.name` - Set it to the host name or IP address of the machine on which the TEA Agent for TIBCO Enterprise Message Service™ is installed.
 - `ems.agent.http.port` - By default this property is set to port 8079 on which the TEA Agent for TIBCO Enterprise Message Service™ listens, but in case this port is already in use you can set this property to a different port number for the TEA Agent for TIBCO Enterprise Message Service™ to listen on.
 - `ems.agent.web.ui.resources`
 - `ems.teaserver.url` - The URL to access the TEA server
 - `ems.agent.autoregister` - The flag to specify whether you want to auto-register the TEA Agent for TIBCO Enterprise Message Service™. By default set to true.
3. Save the file and exit.

To change the log levels of configured loggers

1. Open the `<TEA_HOME>\tibco\cfgmgmt\ems-agent\conf\logging.xml` file.
2. Edit it as necessary.
3. Save and exit.

Starting the TEA Agent for TIBCO Enterprise Message Service™ Agent

Ensure that the CLASSPATH dependency has been satisfied by making sure that the `ems-agent.tra` file points to the location where TIBCO Enterprise Message Service™ server is installed. Then start the TEA Agent for TIBCO Enterprise Message Service™.

On Windows, go to `<TEA_HOME>\tea\agents\ems\1.0\bin` and double-click `ems-agent.exe`.

On UNIX, go to `<TEA_HOME>/tea/agents/ems/1.0/bin` and run `./ems-agent`

The TEA Agent for TIBCO Enterprise Message Service™ will automatically register with the TEA server. To verify that it has autoregistered, go to the TEA landing page in a browser. You should see a product card for the TIBCO Enterprise Message Service™ server that is registered with the TEA Agent for TIBCO Enterprise Message Service™ under Products. If your TEA landing page was already open, refresh the page and the TIBCO Enterprise Message Service™ server card will appear.

Registering a TIBCO Enterprise Message Service™ Server with its TEA Agent

You can register multiple TIBCO Enterprise Message Service™ server with a single TEA Agent for TIBCO Enterprise Message Service™. The TIBCO Enterprise Message Service™ servers can be co-located on the same server as the TEA Agent for TIBCO Enterprise Message Service™ or could be located on different machines.

Prerequisites

The TEA Agent for TIBCO Enterprise Message Service™ must be registered with the TEA server.

Registering a TIBCO Enterprise Message Service™ server from the TEA Shell

To register the a TIBCO Enterprise Message Service™ server using the TEA Shell, do the following:

1. Open a Shell window and log in using your TEA server credentials.
2. Change directory to EMS.
3. Run the following command: `registerserver <TIBCO Enterprise Message Service™ server-alias-name> <URL> <username> <password>`

Registering a TIBCO Enterprise Message Service™ server from the TEA User Interface

Procedure

1. On the TEA landing page, click the product card for TIBCO Enterprise Message Service™.
2. Click **Register Server**.
You also have the capability to register TIBCO Enterprise Message Service™ servers that have been discovered through Hawk. To do so, click the **Register servers via Hawk** button instead.
3. **Server Name:** Enter a name for the TIBCO Enterprise Message Service™ server you want to register. Each TIBCO Enterprise Message Service™ server that you register with the TEA Agent for TIBCO Enterprise Message Service™ must have a unique name.
4. **URL:** Enter the URL for the TIBCO Enterprise Message Service™ server you want to register.
5. **Username and Password:** Enter the username and password for the TIBCO Enterprise Message Service™ server.
6. **Fault Tolerant:** Select this check box if you want to register a pair of fault tolerant TIBCO Enterprise Message Service™ servers. The TEA Agent for TIBCO Enterprise Message Service only supports fault-tolerance in pairs of TIBCO Enterprise Message Service servers. Refer to the [Registering Fault Tolerant EMS Servers](#) section for more details on this topic.
7. **SSL Settings:** Click this link and configure the SSL parameters if you are registering SSL-enabled TIBCO Enterprise Message Service servers. Refer to the [Registering SSL Enabled EMS Servers](#) section for more details on this topic.
8. **Add to groups:** Click this link if you would like to add the TIBCO Enterprise Message Service server that you are registering to a group that exists or if you would like to create a new group and add the server to the newly created group. Refer to the section [Assigning EMS Servers to a Logical Group](#) for more details on this topic.
9. Click **Register Server**.
You should see a product card appear for the newly registered TIBCO Enterprise Message Service™ server. Each card gives some high-level information about the TIBCO Enterprise Message Service™ server it represents.

Registering Fault Tolerant EMS Servers

The TEA Agent for TIBCO Enterprise Message Service™ can register TIBCO Enterprise Message Service servers that have been set up for fault-tolerance. The TEA Agent for TIBCO Enterprise Message Service only supports fault tolerance in pairs of TIBCO Enterprise Message Service servers.

You can set up a pair of TIBCO Enterprise Message Service servers for fault tolerance by configuring one server as the primary server and another one as the secondary server. Upon startup, the first server to start reaches the active state and the other the standby state. The active server accepts client connections, and interacts with clients to deliver messages. If the active server fails, the standby server becomes active and resumes operation in its place.

Prerequisites

- The two TIBCO Enterprise Message Service servers should be set up for fault tolerance before registering them with the TEA Agent for TIBCO Enterprise Message Service.
- The server URL in `tibemsd.conf` file must explicitly contain the IP address or "localhost" in it, for example `tcp://localhost:7222`, or you must explicitly mention the IP address instead of "localhost". If you leave out the IP address or localhost from the URL, the servers will fail to register with the TEA server.
- Both the TIBCO Enterprise Message Service servers must be running when registering them with the TEA Agent for TIBCO Enterprise Message Service.

To register a pair of fault tolerant TIBCO Enterprise Message Service with the TEA agent for TIBCO Enterprise Message Service, follow these steps:

Procedure

1. Make sure that the primary and secondary TIBCO Enterprise Message Service servers have been set up for fault tolerance. If not, follow the instructions in the chapter on *Fault Tolerance* in *TIBCO Enterprise Message Service User's Guide*.
2. Start the TIBCO Enterprise Message Service servers by running the following command from their bin directory: `tibemsd.exe -config <path-to-tibemsd.conf>`
3. Start the TEA server.
4. Start the TEA Agent for TIBCO Enterprise Message Service from `<TIBCO_HOME>\tea\agents\ems\<version>\bin` directory.
5. Register the TIBCO Enterprise Message Service servers with the TEA Agent for TIBCO Enterprise Message Service as follows:
 - a) In the TEA web user interface, click the **TIBCO Enterprise Message Service** product card to open the Server Management page.
 - b) Click the **Register Server** button.
 - c) **Fault Tolerant**: Select this check box.
 - d) **Server Name**: Enter the name of the TIBCO Enterprise Message Service server.
 - e) **Primary URL**: Enter the URL for the TIBCO Enterprise Message Service server that has been configured as the primary server. Make sure this URL matches the URL set in the `tibemsd.conf` file in the EMS server exactly. The IP address or hostname of the server must explicitly appear in the URL.
 - f) **Secondary URL**: Enter the URL for the secondary TIBCO Enterprise Message Service server. Make sure this URL matches the URL set in the `tibemsd.conf` file in the EMS server exactly.
 - g) **Username and Password**: Enter the user name and password for the TIBCO Enterprise Message Service servers.
 - h) Click **Register Server**.



If the EMS server is configured using the JSON mode, in the TIBCO Enterprise Administrator UI, you will not be able to expand the server tree in the standby mode. However, this is not the case with the active mode.

If the EMS server is configured using the classic configuration, that is by using the conf file, in the TIBCO Enterprise Administrator UI, you can drill down the server tree both in the standby and active modes.

Registering SSL-Enabled EMS Servers

TIBCO Enterprise Message Service supports the Secure Sockets Layer (SSL) protocol. The TEA agent for TIBCO Enterprise Message Service allows you to register SSL-enabled TIBCO Enterprise Message Service servers.

Prerequisites

- The TIBCO Enterprise Message Service server must be configured to use the SSL protocol.
- The TIBCO Enterprise Message Service server must be running.

Procedure

1. Make sure that the TIBCO Enterprise Message Service server has been configured to use the SSL protocol. If not, refer to *TIBCO Enterprise Message Service User's Guide, Chapter 20, SSL Support in TIBCO Enterprise Message Service* for details on configuring the server.
2. In the Server Management page click Register Server.
3. In the Register Server dialog, click the SSL Settings link to open the SSL Parameters dialog.
4. Enter the information in the following fields:

Client Identity: Upload the client's digital certificate.

Trusted Certificate: Upload the root certificate of the CA that issued the server certificate.

Expected Server's Hostname: The hostname that appears in the CN field of the server's certificate. If the CN field was not set in the certificate, enter the hostname of the server. This value will be used if you select the **Verify Server's Hostname** check box.

Private Key Password: Enter the password for the client's private key.

Cipher Suites: Enter a colon-separated list of the names of the cipher suites that the client is allowed to use.

Verify Server's Hostname: Select this field if you want the client to verify the hostname of the server with the value for the CN field in the server's certificate.

Verify Server Certificate: Select this field if you want the client to verify the server's certificate or identity.

5. Click **Done**.
6. Click **Register Server**.

Assigning EMS Servers to a Logical Group

TEA supports grouping TIBCO Enterprise Message Service servers into logical groups in the TEA Agent for TIBCO Enterprise Message Service. A TIBCO Enterprise Message Service server can be a part of one or more groups.

You can add an TIBCO Enterprise Message Service server to an existing group or create a new group and add it to the new group. You can add the server to a group when registering it with the TEA Agent for TIBCO Enterprise Message Service or add it to a group after you have registered it with the TEA agent.

Assigning a TIBCO Enterprise Message Service server to a group while registering it with the TEA server

You can assign the server to an existing group or create a new group and assign it to the new group.

1. On the **Server Management** page, expand the **Add to groups** link.
2. To add the server to an existing group, select the check box next to each group to which you want the server to be added.

or

To create a new group, click the **Create new group** link and enter a name for the **new group** in the new group text box and click **Create**. Select the check box next to the new group name to add the server to the new group.

3. Click the **Register Server** button.

Assigning a TIBCO Enterprise Message Service server to a group after registering it with the TEA server

You can assign the server to an existing group or create a new group and assign it to the new group. On the Server Management page, if there are any existing groups, they will be visible as pull-down menus next to the **All** tab.

To add the server to an existing group, do the following:

1. Open the **Server Management** page and go to the **All** tab if not already there. All TIBCO Enterprise Message Service servers registered with the TEA Agent for TIBCO Enterprise Message Service will appear under this tab.
2. Click the downward-facing arrow on the top right corner of the server that you want to assign to a group.
3. Click Groups from the dropdown menu. All the available groups will be listed with check boxes next to them.
4. Select the check boxes next to the groups to which you want the server to be added.

To create a new group from the Server Management page, do the following

1. On the **Server Management** page, click the + icon (Add a group), at the end of the **All** tab row.
2. Enter a name for the new group and optionally a description for the group in the **Create a new group** dialog.
3. Click **Create**.

Navigating through the Registered TEA Agent for TIBCO Enterprise Message Service™

Once an TIBCO Enterprise Message Service™ server is registered with TEA Agent for TIBCO Enterprise Message Service™, you can navigate the server and view the statistics for the Topics, Queues and other artifacts in the TIBCO Enterprise Message Service™ server.

To create queues and topics, refer to [Using Python Scripts to Create Queues and Topics](#) and [Using the TEA Shell to Create Queues and Topics](#) sections.

Prerequisites

The TIBCO Enterprise Message Service™ server must be registered with the TEA Agent for TIBCO Enterprise Message Service™.

Viewing the Dashboard

Click the card for the TIBCO Enterprise Message Service™ on the TEA landing page to open the dashboard where you can see all TIBCO Enterprise Message Service™ servers that are registered with the TEA Agent for TIBCO Enterprise Message Service™.

To view this in a tabular format, click the button with lines on it in the upper right corner of the Server Management screen.

Navigating an TIBCO Enterprise Message Service™ Server

Use the side navigation bar to navigate into the TIBCO Enterprise Message Service™ server. You can click **Destination**, **Connection**, **Security**, or **Configuration** icons in the side navigation bar.

Destination - The Destination category contains links for the following:

- Topics
- Queues
- Durables
- Bridges

Connection - The Connection category contains links for the following:

- Transports
- Routes
- Factories

Security - The Security category contains links for the following:

- Users
- Groups
- ACLs

Configurations - The Configuration category contains links for the following:

- Stores
- Properties
- Fault Tolerance

Selecting one of the links in any category opens the page for that link. For example, if you select Queues under Destination, the Queues page opens. The Queues page will list all the queues available in the

TIBCO Enterprise Message Service™ server. If you click on a particular queue, it opens a page which lists the properties for that queue along with the monitoring properties for that queue.

Searching for a Particular Artifact Using a Pattern

Currently, once you display a list of topics or queues or destinations, you can sort the list by Temporary or System type by clicking on the **Temporary** or **System** button. If you want to search for a specific topic, queue or destination within the list, you can do so by entering a pattern for that artifact. Refer to the *TIBCO Enterprise Message Service User's Guide* for more information on Patterns. Click **Lookup**.

Working through Topics and Queues

The Destination button on the left navigation bar contains links to access the Topics page and the Queues page in addition to links to the Durables and Bridges pages. Once you get to the page, you can drill down further. For example, if you choose to see the Topics page, you can drill down into an individual topic by clicking on a topic name in the list.

Viewing Topics and Queues

You can view and navigate through topics and queues in the TEA Agent for TIBCO Enterprise Message Service™ user interface. To do so:

1. Click the Destinations icon in the left navigation bar.
2. Select **Topics** or **Queues**. Depending on what you choose the user interface will display either the Queues page or the Topics page.
3. Click the name of a topic or queue (depending on what page you chose to view) and it will take you to another page which lists the properties for that queue or topic along with the monitoring properties for that queue or topic.

Sorting Topics and Queues

If the Topics or Queues page contains a large list, you can filter the list by clicking the **Temporary** or **System** buttons to show only the Temporary or System topics or queues.

Searching for a specific Topic or Queue

If you know the name or part of the name of a topic or queue you can search for that specific topic or queue by entering its Pattern in the **Pattern** text box and clicking the **Lookup** button. For details on Patterns, see the *TIBCO Enterprise Message Service™ User's Guide*.

Creating or Deleting Topics and Queues

You can create or delete Topics and Queues and also purge Queues in one of two ways:

- Using Python scripts that come bundled with the TEA Agent for TIBCO Enterprise Message Service™. For more information about using Python scripts, refer to [Using Python Scripts to Create and Delete Queues and Topics](#)
- Using the TEA Shell command line. For more information about using the TEA Shell commands, refer to [Using the TEA Shell to Create Queues and Topics](#).

Using Python Scripts to Create and Delete Queues and Topics

The TEA web user interface allows you to view the TIBCO Enterprise Message Service™ artifacts. You can use Python scripting to create, delete, and purge queues and topics on an TIBCO Enterprise Message Service™ server which is registered with the TEA Agent for TIBCO Enterprise Message Service™.

Prerequisites

You must have Python configured on your system. See the *TIBCO Enterprise Administrator User's Guide* for details on how to do this.

The TEA Agent for TIBCO Enterprise Message Service™ comes bundled with sample Python scripts that you can use as a starting point for the task that you want to accomplish.

Procedure

1. Open the Python scripts located in <TIBCO_HOME>\tea\agents\ems\1.0\samples.
2. Edit the scripts as required.
3. Save the scripts.
4. Run a script from its location with the following command: `python <scriptname>.py`

Using the TEA Shell to Create Queues and Topics

You can use the TEA Shell command line interface to create Queues and Topics under Destination. The TEA Shell is based on remote SSH. Refer to the *TIBCO Enterprise Administrator User's Guide* for details on using the TEA Shell.

Prerequisites

You must have a terminal program, such as PuTTY, installed on your machine.

You can use the following commands:

- **createemsqueue** <queue-name>
- **purgeemsqueue** <queue-name>
- **deleteemsqueue** <queue-name>
- **createemstopic** <topic-name>
- **purgeemstopic** <topic-name>
- **deleteemstopic** <topic-name>

The steps below walk you through an example for creating a queue called "NewQueue" in an TIBCO Enterprise Message Service™ server destination. "MyServer" is the name of the TIBCO Enterprise Message Service™ server where "NewQueue" gets created.

Procedure

1. Connect to the TIBCO Enterprise Message Service™ server using the terminal program and open a shell window.
2. Change directories to EMS/MyServer/destinations/queues.
3. Enter the command to create the new queue and press **Enter**:

```
createEmsQueue NewQueue
```

You should see a message saying "Queue "NewQueue" created successfully"
4. Go to the TEA user interface and refresh the screen where all queues are listed. Your newly created queue will be listed there.

Unregistering a TIBCO Enterprise Message Service™ Server from its TEA Agent

You can unregister an TIBCO Enterprise Message Service™ server from the TEA Agent for TIBCO Enterprise Message Service™ from within the TEA user interface.

Unregistering a TIBCO Enterprise Message Service™ Server using the TEA Shell

To register the a TIBCO Enterprise Message Service™ server using the TEA Shell, do the following:

1. Open a Shell window and log in using your TEA server credentials.
2. Change directory to EMS.
3. Run the following command: `unregisterserver <TIBCO Enterprise Message Service™ server-alias-name>`

Unregistering a TIBCO Enterprise Message Service™ Server from the TEA User Interface

Procedure

1. On the TEA landing page, click TIBCO Enterprise Message Service™ Server to see all the TIBCO Enterprise Message Service™ servers that are registered with the TEA Agent for TIBCO Enterprise Message Service™.
2. Click the TIBCO Enterprise Message Service™ server that you want to unregister.
3. Click the **Unregister Server** link.

Data Folder

The TEA Agent for TIBCO Enterprise Message Service™ uses a data folder in which it creates its temporary files. This folder is located in <TEA_HOME>\tibco\cfgmgmt\ems-agent folder. If for any reason, you would like to restart the TEA Agent for TIBCO Enterprise Message Service™, delete the contents of this folder before restarting your agent.

Agent Management

You can use the Web UI to register TIBCO Enterprise Administrator agents and URL agents. The URL agents are not TIBCO Enterprise Administrator agents; however they might be a web application that you want to port as TIBCO Enterprise Administrator agent. URL agents might be some Every agent that gets added to the TIBCO Enterprise Administrator is displayed on the landing page. You can perform basic administrative tasks collectively on these agents such as reconnecting or unregistering agents.

Registering TEA Agent for TIBCO Enterprise Message Service™

The TEA Agent for TIBCO Enterprise Message Service™ auto-registers itself with the TEA server. However, there may be circumstances, when you have to explicitly register the agent.

Prerequisites

Ensure that the TEA server and the TEA agent for TIBCO Enterprise Message Service™ are running.

Procedure

1. Login to TIBCO Enterprise Administrator. The default username and the password is `admin`. The landing page is displayed.
2. Click the Agents card on the right.
The Agent Management Pane is displayed.
3. Select the TEA Agent for TIBCO Enterprise Message Service™ and click **Register New**.
4. Provide the following details:
 - Agent Name
 - Agent URL
 - Agent Description



When registering agents, ensure that the agent IDs do not collide.

5. Click **Register**.

The TEA Agent for TIBCO Enterprise Message Service™ is visible in the Agent Management pane. The landing page also shows an icon for every registered agent. Your landing page will look different from the one displayed depending on the agents registered.

Some things to watch out for:

1. Ensure that you avoid registering two agents with the same IDs. The TIBCO Enterprise Administrator server does not validate whether two agents have registered with the same ID.
2. If there are two agents for the same object type, ensure that they have the same operation name and number. This is to ensure that when you invoke an operation, you can select the agent on which you want to execute the operation from the drop-down list.
3. If the agent is not immediately visible in the pane, try refreshing the browser.
4. If the URL used during registration is invalid, the 404-Page not Found error occurs.





The scope of the document limits to a discussion on the TEA Agent for TIBCO Enterprise Message Service™. This document does not cover the TEA Web UI in detail. If you want to learn to use the three interfaces provided by TEA, refer to *TIBCO Enterprise Administrator User's Guide*.

Reconnecting an Agent

You can collectively reconnect agents using TIBCO Enterprise Administrator.

Prerequisites

Ensure that the TEA server and the Admin agent are running.

Procedure

1. Click the **Agents** card.
The Agent Management Pane is displayed.
2. From the **Agents** tab, select the agents you want to reconnect. Click **Reconnect**.
A confirmation window is displayed.
3. Click **Reconnect** to confirm.
The agents are reconnected with the server.

Unregistering an Agent

You can collectively unregister agents using the TIBCO Enterprise Administrator.

Prerequisites

Ensure that the TIBCO Enterprise Administrator server and the agents are running.

Procedure

1. Click the Agents card.
The Agent Management pane is displayed.
2. From the Agents tab, select the agents you want to unregister. Click **Unregister**.
A confirmation window is displayed.
3. Click **Unregister** to confirm.
The agents are unregistered from the server.