Message Service Administration using System Management Hub

EntireX MSP can be administered using Software AG's System Management Hub. The System Management Hub is Software AG's cross-product and cross-platform product management framework. This chapter assumes that you are familiar with the System Management Hub software. The basic concepts of this product, its installation and System Management Hub features common to all Software AG products are described in the separate System Management Hub documentation.

Note:
This was the most recent System Management Hub documentation when this version of EntireX was released. As System Management Hub release cycles are independent of EntireX, a more recent version of System Management Hub may be available.

This chapter covers the following topics:

- Introduction

- Queue Connection Factory

- Queue

- Topic Connection Factory

- Topic

- Batch Interface

Introduction

JMS-based Message Services are administered from the EntireX Message Service SMH node, which is located below the EntireX node in the System Management Hub tree view. Instances of Queue Connection Factories, Queues, Topic Connection Factories and Topics can be created, modified and deleted from the System Management Hub.

The JNDI properties are listed in the detail view of the Message Service root. These properties are configured in the file *jndi.properties* in the subfolder *config* of the installation folder.

Queue Connection Factory

≫ **To define a queue connection factory instance to System Management Hub**

1. Select the **Queue Connection Factory** node below the Message Service node.

2. Choose **Add**.

3. In the field **Queue Connection Factory**, enter the queue connection factory name.

4. In the field **Broker ID**, enter a Broker identifier.

5. Choose **SAVE**.

> **To modify a queue connection factory instance**

1. Select the queue connection factory instance node below the **Queue Connection Factory** node.

2. Choose **Modify**.

3. The queue connection factory instance name can be modified in the field **Queue Connection Factory**.

4. The broker identifier can be modified in the field **Broker ID**.

5. Choose **SAVE**.

> **To delete a queue connection factory instance**

1. Select the queue connection factory instance node below the **Queue Connection Factory** node.

2. Choose **Delete**.

Queue

> **To define a queue instance to System Management Hub**

1. Select the **Queue** node below the **Message Service** node.

2. Choose **Add**.

3. Enter the queue name in the field **Queue**.

4. Enter a service name in the field **Service**.

5. In the (optional) **Formatter** field, you can either enter a custom name in the space provided, or choose one of the other options.

6. Choose **SAVE**.

> **To modify a queue instance**

1. Select the queue instance node below the Queue node.

2. Choose **Modify**.

3. The queue instance name can be modified in the field **Queue**.

4. The service name can be modified in the field **Service**.

5. The formatter name can be modified in the field **Formatter**.

6. Choose **SAVE**.

> **To delete a queue connection factory instance**

1. Select the queue instance node below the **Queue Connection Factory** node.

2. Choose **Delete**.

Topic Connection Factory

> **To define a topic connection factory instance to System Management Hub**

1. Select the **Topic Connection Factory** node below the **Message Service** node.

2. Choose **Add**.

3. Enter the topic connection factory name in the field **Topic Connection Factory**.

4. Enter a broker identifier in the field **Broker ID**.

5. Choose **SAVE**.

> **To modify a topic connection factory instance**

1. Select the topic connection factory instance node below the Topic Connection Factory node.

2. Choose **Modify**.

3. The topic connection factory instance name can be modified in the field **Topic Connection Factory**.

4. The broker identifier can be modified in the field **Broker ID**.

5. Choose **SAVE**.

> **To delete a topic connection factory instance**

1. Select the **Topic Connection Factory Instance** node below the **Topic Connection Factory** node.

2. Choose **Delete**.

Topic

> **To define a topic instance to System Management Hub**

1. Select the **Topic** node below the **Message Service** node.

2. Choose **Add**.

3. Enter the topic name in the field **Topic**.

4. Enter a service name in the field **Service**.

5. In the (optional) **Formatter** field, you can either enter a custom name in the space provided, or choose one of the other options.

6. Choose **SAVE**.

≫ **To modify a topic instance**

1. Select the **Topic Instance** node below the **Topic** node.

2. Choose **Modify**.

3. The topic instance name can be modified in the field **Topic**.

4. The service name can be modified in the field **Service**.

5. The formatter name can be modified in the field **Formatter**.

6. Choose **SAVE**.

≫ **To delete a topic instance**

1. Select the **Topic Instance** node below the **Topic** node.

2. Choose **Delete**.

Batch Interface

The EntireX Message Service agent supports the System Management Hub's batch interface. The table below contains the corresponding batch commands.

Description	Batch Command
Show information about the Message Service properties.	`show jmsproperties`
List the Message Service Queue Connection Factories.	`show jmsqueueconnectionfactory`
List the Message Service Queues	`show jmsqueue`
List the Message Service Topic Connection Factories	`show jmstopicconnectionfactory`
List the Message Service Topics	`show jmstopic`

Example:

Enter the `argbatch` command with the following parameters to execute the batch command.

```
argbatch show jmsqueue user=[userid] password=[passwd]
     target=[managed host name] "product=webMethods EntireX 8.2" "name=RPC Server1"
```

Note:
`argbatch` is part of the System Management Hub software. It is located in the *bin* directory of the System Management Hub installation.

See *System Management Hub Batch Interface* (under *User Interfaces*) in the separate System Management Hub documentation.