



Red Hat JBoss A-MQ 6.0

Broker Administration Tutorials

Simple recipes for managing a message broker

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Simple recipes for managing a message broker

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Abstract

This set of tutorials walks you through some basic management tasks.

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CHAPTER 1. STARTING A BROKER

Abstract

In this tutorial you will launch a Red Hat JBoss A-MQ instance from the command line.

GOALS

In this tutorial you will:

- add the Red Hat JBoss A-MQ command line tools to your system path
- start a JBoss A-MQ instance

PREREQUISITES

This tutorial requires that you have JBoss A-MQ installed.

PROCEDURE FOR WINDOWS

To start a broker on Windows:

1. Open a command prompt at the instance's root folder.
2. Add the JBoss A-MQ command line tools your path by entering

```
c:\ set PATH=%PATH%;InstallDir\bin
```

3. Start the broker instance by entering

```
c:\ start
```

PROCEDURE FOR UNIX/LINUX/OSX

To start a broker:

1. Open a command prompt at the instance's root folder.
2. Add the JBoss A-MQ command line tools your path by entering

```
% set PATH=$PATH;InstallDir/bin
```

3. Start the broker instance by entering

```
start
```

CHAPTER 2. INSTALLING A BROKER AS A WINDOWS SERVICE

Abstract

In this tutorial you will install a Red Hat JBoss A-MQ instance as a Windows service.

GOALS

In this tutorial you will:

- generate the service wrapper
- configure the Java Wrapper Service for your system
- install a broker instance as a Windows service
- configure the broker's service to start up automatically

PREREQUISITES

This tutorial requires that you have Red Hat JBoss A-MQ installed on a Windows computer to which you have administrative privileges.

PROCEDURE

To install JBoss A-MQ as a Windows service:

1. Start JBoss A-MQ in console mode using the `amq` command.
2. Once the console is started and the command prompt appears, enter `features:install wrapper`.

The `features:install` command will locate the required libraries to provision the wrapper feature and deploy it into the run time.

3. Generate the wrapper by entering `wrapper:install -n JBossMQ -d JBossMQ -D "JBossMQ Broker"`.

You should see the output shown in [Example 2.1, “Wrapper Install Output”](#).

Example 2.1. Wrapper Install Output

```
Creating file: InstallDir\bin\FuseMQ-wrapper.exe Creating file:
InstallDir\bin\JBossMQ-service.bat Creating file:
InstallDir\etc\JBossMQ-wrapper.conf Creating file:
InstallDir\lib\libwrapper.so Creating file: InstallDir\lib\karaf-
wrapper.jar Creating file: InstallDir\lib\karaf-wrapper-main.jar
Setup complete. You may wish to tweak the JVM properties in the
wrapper configuration file: InstallDir\etc\JBossMQ-wrapper.conf
before installing and starting the service. To install the
service, run: C:> InstallDir\bin\JBossMQ-service.bat install Once
installed, to start the service run: C:> net start "JBossMQ" Once
```



```
running, to stop the service run: C:> net stop "JBossMQ" Once
stopped, to remove the installed the service run: C:>
InstallDir\bin\karaf-service.bat remove
```

4. Open *InstallDir\etc\JBossMQ-wrapper.conf* in a text editor.

The *ServiceName-wrapper.conf* file configures the Java Wrapper Service that JBoss A-MQ uses to create a Windows service.

5. Change the line containing `set.default.KARAF_HOME=` to

```
set.default.KARAF_HOME=InstallDir
```

This tells the wrapper where the JBoss A-MQ installation is located so it can find the required libraries.

6. Change the line containing `set.default.KARAF_BASE` to

```
set.default.KARAF_BASE=InstallDir
```

This tells the wrapper where to find the configuration and data files for the broker instance being used for the service.

7. Change the line containing `set.default.KARAF_DATA` to

```
set.default.KARAF_BASE=InstallDir\data
```

This tells the wrapper where to find the configuration and data files for the broker instance being used for the service.

8. Save the file.
9. Open a command prompt.
10. Change to the *InstallDir* directory.
11. Install the broker as a Windows service by running `bin\JBossMQ-service.bat install`.
12. From the Windows Start menu select **Start** → **Control Panel** → **Administrative Tools** → **Services**.
The **Services** window opens.
13. Double click **JBossMQ** from the list of services.
The **JBossMQ Properties** window opens.
14. Specify that the service will start up when you login by selecting **Automatic** from the **Startup Type** drop-down list.
15. Click **OK**.
16. Open the context menu for the **JBossMQ** entry in the service list.

17. Select **Start** to start the broker.

FURTHER STEPS

You can stop the broker service by selecting **Stop** in the **Service** window's context menu.

To uninstall the broker as a Windows service use *InstallDir*\bin\JBossMQ-service.bat removes.

CHAPTER 3. SHUTTING DOWN A BROKER

Abstract

This tutorial demonstrates how to shutdown a locally running message broker.

GOALS

In this tutorial you will:

- add the Red Hat JBoss A-MQ command line tools to your system path
- stop a locally running JBoss A-MQ instance

PREREQUISITES

To complete this tutorial you will need to have a broker instance running locally.

PROCEDURE FOR WINDOWS

To shutdown a broker on Windows:

1. Add the JBoss A-MQ command line tools your path by entering

```
c:\ set PATH=%PATH%;InstallDir\bin
```

2. Shutdown the broker instance by entering

```
c:\ stop
```

PROCEDURE FOR UNIX/LINUX/OSX

To start a broker:

1. Add the JBoss A-MQ command line tools your path by entering

```
% set PATH=$PATH;InstallDir/bin
```

2. Shutdown the broker by entering

```
% stop
```