**ACTIVE MQ START**

#### Windows Binary Installation

This procedure explains how to download and install the binary distribution on a Windows system.

1. Download the latest release  
   (see [Download](http://activemq.apache.org/download.html) -> "The latest stable release" -> "apache-activemq-x.x.x-bin.zip")
2. Extract the files from the ZIP file into a directory of your choice.

**Start On Windows:**

From a console window, change to the installation directory and run ActiveMQ:

|  |
| --- |
| cd [activemq\_install\_dir] |

where activemq\_install\_dir is the directory in which ActiveMQ was installed, e.g., c:\Program Files\ActiveMQ-5.x.   
Then type:

|  |
| --- |
| bin\activemq start |

**NOTE:** Working directories get created relative to the current directory. To create working directories in the proper place, ActiveMQ must be launched from its home/installation directory.

## Testing the Installation

### Using the administrative interface

* Open the administrative interface
  + URL: <http://127.0.0.1:8161/admin/>
  + Login: admin
  + Passwort: admin
* Navigate to "Queues"
* Add a queue name and click create
* Send test message by klicking on "Send to"

### Logfile and console output

If ActiveMQ is up and running without problems, the Window's console window or the Unix command shell will display information similar to the following log line:  
(see stdout output or "[activemq\_install\_dir]/data/activemq.log")

|  |
| --- |
| Apache ActiveMQ 5.11.1 (localhost, ID:ntbk11111-50816-1428933306116-0:1) started | org.apache.activemq.broker.BrokerService | main |

### Listen port

ActiveMQ's default port is 61616. From another window run netstat and search for port 61616.

From a Windows console, type:

|  |
| --- |
| netstat -an|find "61616" |

**OR**

From a Unix command shell, type:

|  |
| --- |
| netstat -nl|grep 61616 |

## Monitoring ActiveMQ

You can monitor ActiveMQ using the [Web Console](http://activemq.apache.org/web-console.html) by pointing your browser at

<http://localhost:8161/admin>

From ActiveMQ 5.8 onwards the web apps is secured out of the box.  
The default username and password is admin/admin. You can configure this in the conf/jetty-real.properties file.

Or you can use the [JMX](http://activemq.apache.org/jmx.html) support to view the running state of ActiveMQ.

For more information see the file docs/WebConsole-README.txt in the distribution.

## Stopping ActiveMQ

For both Windows and Unix installations, terminate ActiveMQ by typing "CTRL-C" in the console or command shell in which it is running.

If ActiveMQ was started in the background on Unix, the process can be killed, with the following:

|  |
| --- |
| cd [activemq\_install\_dir]/bin  ./activemq stop |

## Configuring ActiveMQ

The ActiveMQ broker should now run. You can configure the broker by specifying an [Xml Configuration](http://activemq.apache.org/xml-configuration.html) file as a parameter to the activemq command. An alternative is to use the [Broker Configuration URI](http://activemq.apache.org/broker-configuration-uri.html) to configure things on the command line in a concise format (though the configuration options are not as extensive as if you use Java or XML code). You can also

Also see [Configuring Transports](http://activemq.apache.org/configuring-transports.html) to see how you can configure the various connection, transport and broker options using the connection URL in the ActiveMQConnectionFactory.

See the [Initial Configuration](http://activemq.apache.org/initial-configuration.html) for details of which jars you need to add to your classpath to start using ActiveMQ in your Java code

If you want to use JNDI to connect to your JMS provider then please view the [JNDI Support](http://activemq.apache.org/jndi-support.html). If you are a Spring user you should read about [Spring Support](http://activemq.apache.org/spring-support.html)

After the installation, ActiveMQ is running with a basic configuration. For details on configuring options, please see refer to the [Configuration](http://activemq.apache.org/configuration.html) section.

**Override default Storage:**

ActiveMQ explicity supports Derby, Axion, HSQL, Oracle, and SQLServer. Below are the steps on how to configure a new database.

1. Modify activemq.xml found in the directory "activemq\_home/conf" by editing or adding a JDBC DataSource Configuration.

e.g.

|  |
| --- |
| <bean id="mysql-ds" class="org.apache.commons.dbcp.BasicDataSource"  destroy-method="close">   <property name="driverClassName" value="com.mysql.jdbc.Driver"/>  <property name="url" value="jdbc:<mysql://localhost/activemq>"/>  <property name="username" value="root"/>  <property name="password" value="stefan0"/>  <property name="poolPreparedStatements" value="true"/> </bean> |
|  |

**For AMQ 3.x**

|  |
| --- |
| <bean id="mssql-ds" class="org.apache.commons.dbcp.BasicDataSource"  destroy-method="close">      <property name="driverClassName">         <value>com.microsoft.jdbc.sqlserver.SQLServerDriver</value>  </property>      <property name="url">  <value>jdbc:microsoft:sqlserver://localhost:1433;DatabaseName=activedb</value>  </property>      <property name="username">        <value>sa</value>      </property>      <property name="password">          <value></value>      </property>      <property name="poolPreparedStatements">          <value>true</value>      </property>  </bean> |
|  |
|  |

2. Set the datasource reference to use the new jdbc configuration e.g   
<jdbcPersistence dataSourceRef="mssql-ds"/>

3. Place the jdbc driver in the directory "activemq\_home/lib/optional".