JMETER - JMS TEST PLAN

In this chapter, we will learn how to write a simple test plan to test Java Messaging Service *JMS*. JMS supports two types of messaging —
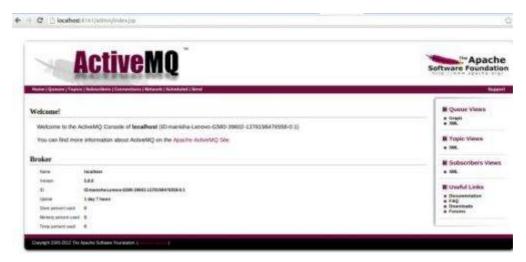
- **Point-to-Point messaging** — Queue messaging is generally used for transactions where the sender expects a response. Messaging systems are quite different from normal HTTP requests. In HTTP, a single user sends a request and gets a response.

- **Topic messaging** — Topic messages are commonly known as pub/sub messaging. Topic messaging is generally used in cases where a message is published by a producer and consumed by multiple subscribers.

Let us see a test example for each of these. The pre-requisites for testing JMS are —

- We use Apache ActiveMQ in the example. There are various JMS servers like IBM WebSphere MQ *formerlyMQSeries*, Tibco, etc. Download it from the binaries from the Apache ActiveMQ website.

- Unzip the archive, go to the decompressed directory, and run the following command from the command console to start the ActiveMQ server —

```
.\bin\activemq  start
```

You can verify if the ActiveMQ server has started by visiting the admin interface at the following address **http://localhost:8161/admin/**. If it asks for authentication, then enter the userid and password as *admin*. The screen is similar as shown below —

- Now copy the activemq-all-x.x.x.jar *XXXdependingontheversion* from the ActiveMQ unzipped directory to **/home/manisha/apache-jmeter-2.9/lib.**

With the above setup, let us build the test plan for —

- JMS Point-to-Point Test Plan

- JMS Topic Test Plan

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