



LAB- Using JMS Adapters

In this lab you will be understanding how to use Jms inbound channel adapter

In this lab, you will be working on **09-jms-adapters-gateways-start** project

Steps

1) Start apache activeMq

2) Open jndi.properties and observe it. Observe that we have a queue with name example.MyQueue and its jndi name is MyQueue.

We want to receive messages from this queue using a jms inbound adapter

Go to activeMq console using <http://localhost:8161>. The default username/password is admin/admin.

Click on Send Link. Send 100 Messages with text "Welcome" to example.MyQueue

3) Open integration-beans.xml

Observe that we have already configured JndiDestinationResolver to resolve the destinations present in Jndi as JMS destinations

Observe How we have loaded jndi.properties.

Observe we we have looked up the connectionfactory from JNDI

Observe how JMSTemplate is configured using connection factory and destination resolver. Observe that we have given default destination name as "MyQueue"

Now Configure a jms inbound adapter shown below :

```
<int-jms:inbound-channel-adapter channel="jmschannel"
jms-template="jmsTemplate">
    <int:poller fixed-rate="5000"/>
</int-jms:inbound-channel-adapter>
```

Now Open JmsTest.java and run it.

You should observe that the inbound channel adapter is polling for messages after every 5 seconds and printing it on the console.



Congratulations !! You know how to use Jms Inbound Channel Adapter