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Integrated Capture Points Guide

WebSphereMQ-JMS CP Queues

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This page provides an example of setting up queues for the JMS Capture Point when using IBM WebSphere MQ.

Setting up queues using IBM WebSphere MQ Explorer

1. Start WebSphere MQ Explorer. Find the Object tree in the Navigator window.
2. Right-click the **Queue Managers** node and select **New** to create a new Queue Manager. Follow the steps in the resulting Wizard, choosing a name (for example, **my_QManager**) and unique listening port.
3. As the Object tree is updated, find the **Queues** node under the new Queue Manager. Right-click this node and select **New > Local Queue**.
4. Create Local Queues named `mq_inbound`, `mq_notifications`, `mq_errors`, and `mq_processed`. Select **Persistent** for the **Default Persistence** setting.
5. With the **Queues** node selected in the Object tree, right-click `mq_inbound` in the Content pane and select **Put Test Message**. Enter any text of your choice in the **Message data** field, then click **Put message**. This test message will wait in the queue until the capture point retrieves it.
6. In the Object tree, right-click the **JMS Administered Objects** node and select **Add Initial Context**. Choose **File system** for the JNDI namespace location and select the directory where the corresponding storage file will be created.
7. The new node for initial context now appears in the Object tree. Select it and verify that the **Connection Factories** and **Destinations** nodes appear under it. If necessary, right-click and use the context menu to connect to the **InitialContext** object make these nodes visible.
8. Right-click **Connection Factories** and select **New > Connection Factory**. Enter or select the following values:
 - a. Sample name—**my_ConnFactory**
 - b. Messaging provider—**WebSphere MQ**
 - c. Transport—**MQ Client**
 - d. Base queue manager and Broker queue manager (last screen)—The Queue Manager that you created in Step 2.
 - e. Host name and port—Correct values for your environment
9. Right-click **Destinations** and select **New > Destination** and create four new Destinations that correspond to the queues that you created in Step 4:
 - a. Type—**Queue**
 - b. Names—**jms-inbound**, **jms-errors**, **jms-notifications**, and **jms-processed**.
 - c. On the last screen, select the proper **Queue Manager** and **Queue** objects.
10. Find the file named **.bindings** at the location established in Step 6. It will be referred to later on the sample configuration.

Next Steps

Configure the JMS Capture Point Application object.