

To create a server -

Create a Queue Manager -

- Open IBM WebSphere MQ Explorer.
- Right-click the folder called **Queue Managers**, select **New > Queue Manager**.
- In the first entry field, type the queue manager name, *QUEUE.MANAGER.1*, and click **Finish**.

Create a queue -

- Expand the queue manager you have just created and right-click **queues**.
- Select **New > Local Queue**.
- Enter the queue name, *QUEUE1*, and click **Finish**.

Define the server-connection channel -

- Right-click **Channels**.
- Select **New > Server Connection Channel**.
- Enter the channel name, *CHANNEL1*, and click **Next**.
- In the dialog navigation pane, click **MCA** to open the MCA page.
- In the MCA User ID field, enter a userid that is a member of the mqm group (try using id -g mqm).
- Click **Finish**

Run the Listener. The listener is automatically started when the queue manager is configured. To check that the listener is running, open **Listeners** and look for `LISTENER.TCP`.

To create a client

- Select the queue manager , *QUEUE.MANAGER.1*
- Open the Channels folder , then right click **Client Connections > New > Client-connection Channel**.
- Enter the channel name, *CHANNEL1* , for the client connection , click **Next**.
- Enter the queue manager name , *QUEUE.MANAGER.1*
- Connection name : *ip-address(port)*
- Click **Finish**.

Testing connection between server and a client

- Change the directory to `cd ./opt/mqm/samp/bin`
- Use command - `./amqspout QUEUE1 QUEUE.MANAGER.1`
- Enter any string you want to send
- Use command - `./amqsget QUEUE1 QUEUE.MANAGER.1`
- If the connection is successful , the string you entered , will be displayed .