IBM MQ Connection

Cyber group India Pvt. Ltd. V1.1

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| **Created/Updated By** | **Date Modified** | **Version** | **Details** |
| Lakshya Kalia | Jan 31, 2019 | V1.0 | Draft |
| Bushra Kausar | Feb 04, 2020 | V1.1 | Updated details. |

# To create a Server

1. Create a Queue Manager
   1. Open IBM WebSphere MQ Explorer.
   2. Right-click the folder named Queue Managers, select New > Queue Manager.
   3. In the ﬁrst entry ﬁeld, type the queue manager name, QUEUE.MANAGER.1, and click Finish.
2. Create a Queue
   1. Expand the queue manager you have just created and right-click queues. Select New > Local Queue.
   2. Enter the queue name, QUEUE1, and click Finish.
3. Deﬁne the server-connection channel
   1. Right-click Channels.
   2. Select New > Server Connection Channel.
   3. Enter the channel name, CHANNEL1, and click Next.
   4. In the dialog navigation pane, click MCA to open the MCA page.
   5. In the MCA User ID ﬁeld, enter a userid that is a member of the mqm group ( try using id -g mqm ). Click Finish
4. 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

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

# Testing connection

Testing connection between server and client -

1. Change the directory to

$ cd ./opt/mqm/samp/bin

1. Test commands –

$./amqsput QUEUE1 QUEUE.MANAGER.1 *{enter any string you want to send}*

$ ./amqsget QUEUE1 QUEUE.MANAGER.1

1. If the connection is successful, the string you entered, will be shown again on the Terminal.