Linux Command Line Commands

The majority of these commands are run as the mqm (or equivalent) user. By default these commands are in `/opt/mqm/bin` which I would advise adding to the mqm users PATH.

Create a Queue Manager

```
$ crtmqm REPLACE_QMGR_NAME
```

Delete a Queue Manager

```
$ dltmqm REPLACE_QMGR_NAME
```

Start Queue Manager

```
$ strmqm REPLACE_QMGR_NAME
```

Stopping Queue Manager

Wait for queue manager to shutdown

```
$ endmqm -w REPLACE_QMGR_NAME
```

End Immediately

```
$ endmqm -i REPLACE_QMGR_NAME
```

Start Queue Manager (Init Script)

By default Websphere MQ does not ship with an init script, you can add this functionality via a support pac (MSL1) provided by IBM.

```
$ service ibm.com-WebSphere_MQ start
```

Stopping Queue Manager (Init Script)

```
$ service ibm.com-WebSphere_MQ stop
```

Start MQ Listener

```
$ echo "start LISTENER(SYSTEM.DEFAULT.LISTENER.TCP)" | runmqsc REPLACE_QMGR_NAME
```

Stop MQ Listener

```
$ echo "stop LISTENER(SYSTEM.DEFAULT.LISTENER.TCP)" | runmqsc REPLACE_QMGR_NAME
```

Display Queue Managers & Status

```
$ dspmq
```

Set MQ Privileges

In order for a Unix user to start utilizing MQ they must have the appropriate privileges. You can find the available privileges in IBM's Documentation.

Set MQ Privileges By User

```
$ setmqaut -m REPLACE_QMGR_NAME -t qmgr -p REPLACE_USER REPLACE_PLUS_OR_MINUS_PRIVILE
GE
```

Set MQ Privileges By Groups

```
$ setmqaut -m REPLACE_QMGR_NAME -t qmgr -g REPLACE_GROUP REPLACE_PLUS_OR_MINUS_PRIVIL
EGE
```

Display MQ Privileges

Display MQ Privileges By Users

```
$ dspmqaut -m REPLACE_QMGR_NAME -t qmgr -p REPLACE_USER
```

Display MQ Privileges By Groups

```
$ dspmqaut -m REPLACE_QMGR_NAME -t qmgr -g REPLACE_GROUP
```

Lookup MQ Error Numbers

```
$ mqrc REPLACE_ERROR_NUM
```

MQ Sample Scripts

Within the MQ release by IBM there is a package that contains sample scripts for MQ. There are about 3 of these sample scripts that I have found pretty useful.

Pop (GET) Messages off a queue

```
$ amqsget REPLACE_Q_NAME REPLACE_QMGR_NAME
```

This command will remove messages from the queue, only use this if you no longer want the messages in the queue.

Browse Messages in a queue

```
$ amqsbcg REPLACE_Q_NAME REPLACE_QMGR_NAME
```

Open a Queue for writing

```
$ amqsput REPLACE_Q_NAME REPLACE_QMGR_NAME
```

When you find yourself with a system that is connected to a repository but doesn't see new messages you can try opening the queue for writing with amqsput to "refresh" the connectivity. You do not have to write anything to the queue. Simply open the queue and press`ctrl+d` without typing any additional characters.

Open Websphere MQ CLI

```
$ runmqsc REPLACE_QMGR_NAME
```

Websphere MQ CLI Commands

The following commands are to be run directly from the MQ command line interface.

Start MQ Listener

```
start LISTENER(SYSTEM.DEFAULT.LISTENER.TCP)
```

Stop MQ Listener

```
stop LISTENER(SYSTEM.DEFAULT.LISTENER.TCP)
```

Disable Channel Authentication

```
alter qmgr chlauth(disabled)
```

Channel Authentication is new as of MQ 7.0. If your systems don't use it you can simply turn it off.

Display Queues

All Queues

```
display queue(*)
```

Specific Queues

```
display queue(REPLACE_Q_NAME)
```

Short hand

```
dis q(REPLACE_Q_NAME)
```

Display Local Queues only

All Queues

```
display qlocal(*)
```

Specific Queue

```
display qlocal(REPLACE_Q_NAME)
```

Short hand

```
dis ql(REPLACE_Q_NAME)
```

Display Alias Queues only

All Queues

```
display qalias(*)
```

Specific Queue

```
display qalias(REPLACE_Q_NAME)
```

Short hand

```
dis qa(REPLACE_Q_NAME)
```

Display Cluster Queues only

All Queues

```
display qcluster(*)
```

Specific Queue

```
display qcluster(REPLACE_Q_NAME)
```

Short hand

```
dis qc(REPLACE_Q_NAME)
```

Display Channels

All Channels

```
display channel(*)
```

Specific Channel

```
display channel(REPLACE_CHANNEL_NAME)
```

Short hand

```
dis channel(REPLACE_CHANNEL_NAME)
```

Display Channel Status

All Channels

```
display chstatus(*)
```

Specific Channel

```
display chstatus(REPLACE_CHANNEL_NAME)
```

Short hand

```
dis chstatus(REPLACE_CHANNEL_NAME)
```

Display Local Queue Manager Information

```
display qmgr
```

Display Cluster Queue Manager Information

```
display clusqmgr(REPLACE_CLUSQMGR_NAME)
```

Show number of INPUT and OUTPUT threads open

```
display qstatus(REPLACE_Q_NAME) IPPROCS OPPROCS
```

Find Process ID of Processes Accessing Queue

```
display qstatus(REPLACE_Q_NAME) TYPE(HANDLE) ALL
```

Refresh Cluster Queue Manager

```
refresh cluster(REPLACE_CLUSQMGR_NAME)
```

Start Channel

```
start channel(REPLACE_CHANNEL_NAME)
```