

IBM MQ Server

Installation

Tutorials

- [FTP Download](#)
- [Linux: Applying maintenance level updates on IBM MQ](#)

Create the user and group

```
#> groupadd mqm  
#> useradd -g mqm -c "IBM MQ" -d /var/mqm mqm
```

Few Settings

```
/etc/sysctl.conf
```

```
# For MQ Server  
kernel.shmmni = 4096  
kernel.shmall = 2097152  
kernel.shmmax = 268435456  
kernel.sem = 500 256000 250 1024  
fs.file-max = 524288  
net.ipv4.tcp_keepalive_time = 300  
kernel.threads-max = 32768
```

Apply the change

```
#> sysctl -p
```

```
/etc/security/limits.conf
```

```
# for MQ  
mqm hard nofile 10240  
mqm soft nofile 10240
```

Install the dependencies

```
#> yum install pax rpm-build xz-lzma-compat
```

Install the MQ

```
#> tar xf WS_MQ_V8.0_IFR1_LINUX_ON_X86_64_I.tar  
#> cd server/  
#> ./mqlicense.sh -text_only  
...  
...
```

Press Enter to continue viewing the license agreement, or enter "1" to accept the agreement, "2" to decline it, "3" to print it, "4" to read non-IBM terms, or "99" to go back to the previous screen.

Type 1

```
#> rpm -ivh MQSeriesRuntime-*.rpm MQSeriesServer-*.rpm
```

Install Fixpack

Stopping MQ queue managers (if this isn't first installation and the MQ queue manager was activated)

```
// switch the user to mqm
```

```
#> su - mqm
```

```
// list the status of listeners associated with a queue manager.
```

```
$> echo "DISPLAY LSSTATUS(*) STATUS" | runmqsc <QmgrName>
```

```
// stop MQ queue manager
```

```
$> endmqm -i <QMgrName>
```

```
// stop any listeners associated with the queue manager
```

```
$> endmqsr -m <QMgrName>
```

Install the fixpack

```
#> cd <path-to-source>
```

```
#> mkdir FP0011
```

```
#> cd FP0011
```

```
#> tar xzf ../8.0.0-WS-MQ-LinuxX64-FP0011.tar.gz
```

```
#> rpm -ivh MQSeriesRuntime-U*.rpm MQSeriesServer-U*.rpm
```

Verify the installation

```
#> su - mqm
```

```
$> /opt/mqm/bin/dspmqr
```

```
Name:    WebSphere MQ
```

```
Version: 8.0.0.2
```

```
Level:   p800-002-150427.1
```

```
BuildType: IKAP - (Production)
```

```
Platform: WebSphere MQ for Linux (x86-64 platform)
```

```
Mode:    64-bit
```

```
O/S:     Linux 2.6.32-696.el6.x86_64
```

```
InstName: Installation1
```

```
InstDesc:
```

```
Primary: No
```

```
InstPath: /opt/mqm
```

```
DataPath: /var/mqm
```

MaxCmdLevel: 801
LicenseType: Production

Applied the fixpack

```
$ /opt/mqm/bin/dspmqrver
Name:    WebSphere MQ
Version:  8.0.0.11
Level:   p800-011-181212.1
BuildType: IKAP - (Production)
Platform: WebSphere MQ for Linux (x86-64 platform)
Mode:    64-bit
O/S:    Linux 2.6.32-696.el6.x86_64
InstName: Installation1
InstDesc:
Primary:  No
InstPath: /opt/mqm
DataPath: /var/mqm
MaxCmdLevel: 802
LicenseType: Production
```