

Apache ActiveMQ

<https://activemq.apache.org/index.html>

Instalasi :

1. Buka link berikut

<https://activemq.apache.org/getting-started#OnUnix>:

2. Pre instalasi

sebelum install ActiveMQ, langkah awal yang harus diperhatikan adalah menginstall java dan maven .

Langkah install java

```
$ sudo apt update
$ java -version
$ sudo apt install default-jre
$ java -version
```

Output

```
openjdk version "10.0.1" 2018-04-17
OpenJDK Runtime Environment (build 10.0.1+10-Ubuntu-3ubuntu1)
OpenJDK 64-Bit Server VM (build 10.0.1+10-Ubuntu-3ubuntu1, mixed mode)
```

```
$ sudo apt install default-jdk
$ javac -version
```

Output

```
javac 10.0.1
```

```
$ sudo nano /etc/environment
JAVA_HOME="/usr/lib/jvm/java-11-openjdk-amd64/bin/"
```

```
$ source /etc/environment
$ echo $JAVA_HOME
```

Output

```
/usr/lib/jvm/java-11-openjdk-amd64/bin/
```

Langkah install maven dari package

```
$ sudo apt update
$ sudo apt install maven
$ mvn -version
$ sudo nano /etc/profile.d/maven.sh
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64/bin
export M2_HOME=/usr/share/maven
export MAVEN_HOME=/usr/share/maven
export PATH=${M2_HOME}/bin:${PATH}
```

```
$ sudo chmod +x /etc/profile.d/maven.sh
$ source /etc/profile.d/maven.sh
$ mvn -version
```

Output

```
Apache Maven 3.5.2
Maven home: /usr/share/maven
Java version: 10.0.2, vendor: Oracle Corporation
Java home: /usr/lib/jvm/java-11-openjdk-amd64
Default locale: en_US, platform encoding: ISO-8859-1
OS name: "linux", version: "4.15.0-36-generic", arch: "amd64", family:
"unix"
```

Langkah install maven dari source

download maven melalui link berikut

<https://maven.apache.org/download.cgi?Preferred=ftp://mirror.reverse.net/pub/apache/>

```
$ sudo tar xf /tmp/apache-maven-*.tar.gz -C /opt
$ sudo ln -s /opt/apache-maven-3.6.0 /opt/maven
$ sudo nano /etc/profile.d/maven.sh
export JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64/bin
export M2_HOME=/opt/maven
export MAVEN_HOME=/opt/maven
export PATH=${M2_HOME}/bin:${PATH}

$ sudo chmod +x /etc/profile.d/maven.sh
$ source /etc/profile.d/maven.sh
$ mvn -version
```

3. Install ActiveMq

download ActiveMq melalui link berikut

<https://activemq.apache.org/components/classic/download/>

sedangkan rilis versi sebelumnya dapat dilihat pada link berikut

<https://repository.apache.org/content/repositories/snapshots/org/apache/activemq/apache-activemq/>

```
# tar zxvf activemq-x.x.x-src.tar.gz
# cd [activemq_install_dir]/bin
# chmod 755 activemq
```

Gunakan perintah ini untuk menjalankan *daemon* proses activemq

```
# ./activemq start
```

Gunakan perintah ini untuk menjalankan *foreground* proses activemq

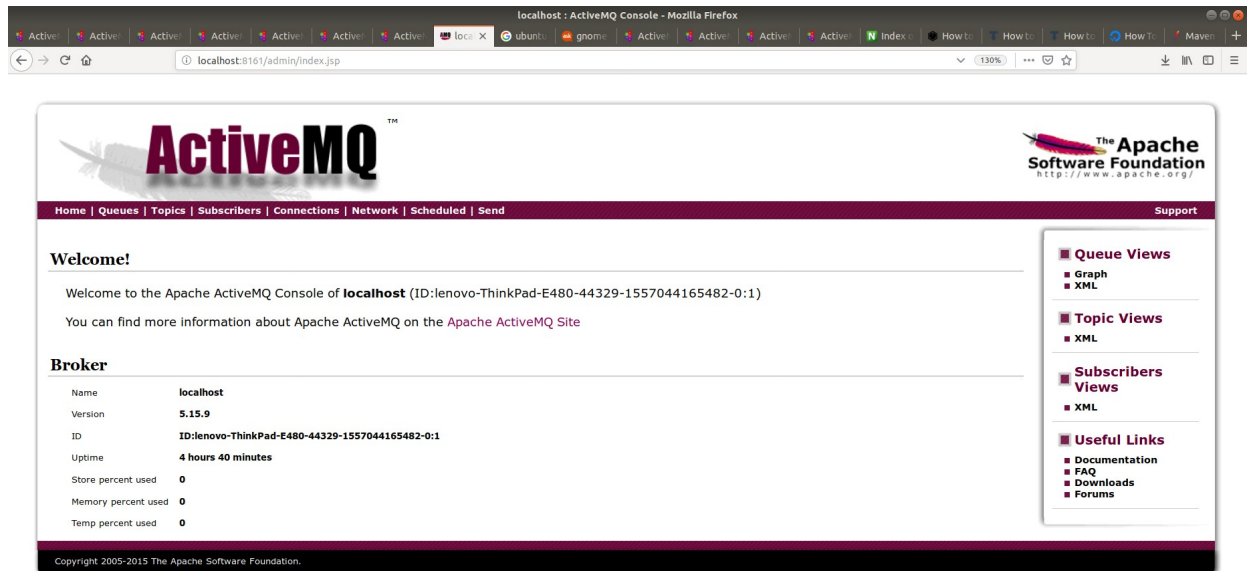
```
# ./activemq console
```

Gunakan perintah ini untuk memberhentikan activemq

```
# ./activemq stop
```

4. Pengujian

Buka browser, kemudian ketikkan alamat berikut
<http://localhost:8161/admin/>



Login: admin

Password: admin

5. Pengecekan port

```
# netstat -nl|grep 61616
```

```
tcp6    0      0 :::61616    :::*
```

LISTEN