# ー、ActiveMQ安装

# 1、官方下载

官网地址: http://activemq.apache.org/

点击下面,开始下载。



Components Contact Apache

Apache ActiveMQ™ is the most popular open source, multi-protocol, Java-based messaging server. It supports industry standard protocols so users get the benefits of client choices across a broad range of languages and platforms. Connectivity from C, C++, Python, .Net, and more is available. Integrate your multi-platform applications using the ubiquitous AMQP protocol. Exchange messages between your web applications using STOMP over websockets. Manage your IoT devices using MQTT. Support your existing JMS infrastructure and beyond. ActiveMQ offers the power and flexibility to support any messaging use-case.

There are currently two "flavors" of ActiveMQ available - the "classic" 5.x broker and the "next generation" Artemis broker. Once Artemis reaches a sufficient level of feature parity with the 5x code-base it will become ActiveMQ 6. Initial migration documentation is available.



Long established, endlessly pluggable architecture serving many generations of applications.

- · JMS 1.1 with full client implementation including JNDI
- High availability using shared storage
- · Familiar JMS-based addressing model
- "Network of brokers" for distributing and
- KahaD8 & JDBC options for persis

#### ActiveMQ Artemis

High-performance, non-blocking architecture for the next generation of event-driven messaging applications.

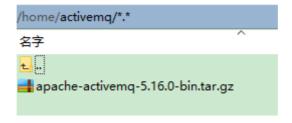
- . JMS 1.1 & 2.0 with full client implementation including JNDI
- · High availability using shared storage or network replication
- · Simple & powerful protocol agnostic addressing model
- · Flexible clustering for distributing load
- · Advanced journal implementations for low-latency persistence as
- . High feature parity with ActiveMQ 5 to ease migration

Find out more 

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### 2、安装步骤

### (1) 上传压缩包并解压



tar -xzvf apache-activemq-5.16.0-bin.tar.gz

# (2) 在/etc/init.d/目录增加增加activemq文件

cd /etc/init.d/ vi activemq

注意:将下面内容全部复制。要先安装jdk,在下面配置jdk的安装目录。

#!/bin/sh

```
# /etc/init.d/activemq
# chkconfig: 345 63 37
# description: activemq servlet container.
# processname: activemq 5.16.0
# Source function library.
#. /etc/init.d/functions
# source networking configuration.
#. /etc/sysconfig/network
export JAVA_HOME=/home/jdk/jdk1.8.0_212
export CATALINA_HOME=/home/activemq/apache-activemq-5.16.0
case $1 in
       sh $CATALINA_HOME/bin/activemq start
    ;;
    stop)
        sh $CATALINA_HOME/bin/activemq stop
    ;;
    status)
        sh $CATALINA_HOME/bin/activemq status
    restart)
        sh $CATALINA_HOME/bin/activemq stop
        sh $CATALINA_HOME/bin/activemq start
    ;;
esac
exit 0
```

# (3) 对activemq文件授予权限

chmod 777 activemq

# (4) 设置开机启动并启动activemq

```
chkconfig activemq on service activemq start
```

# (5) 访问activemq管理页面地址

http://IP地址:8161/

访问成功, ActiveMQ安装完毕。默认用户名密码为: admin/admin

### (6) 其他

### 查看activemq状态

#### 重启activemq服务

```
service activemq restart
```

#### 关闭activemq服务

```
service activemq stop
```

#### 设置开机启动或不启动activemq服务

```
chkconfig activemq on chkconfig activemq off
```

#### 如果ip地址无法访问,请配置防火墙端口

```
firewall-cmd --zone=public --add-port=8161/tcp --permanent #开放8161端口, ActiveMQ 采用8161端口提供管理控制台服务 firewall-cmd --zone=public --add-port=61616/tcp --permanent #开放61616端口, ActiveMQ采用61616端口提供JMS服务 firewall-cmd --reload # 开启或关闭端口需要重启,重启后配置立即生效
```

如果该服务器同时安装了RabbitMQ,那么启动时会提示端口5672被占用,进入conf目录,打开配置文件activemq.xml文件,修改5672端口为5673

# activemq 默认只能当前服务器访问,如果需要外部访问,需要修改jetty.xml文件

# 3、因为主机名不符合规范导致无法启动activemq

首先翻译一下这个异常,就是: 主机名中包含非法字符, 那么非法字符是什么呢? 是"\_"下划线;

1、方法一使用hostnamectl命令

那么解决办法就很简单了,改主机名:

```
hostnamectl set-hostname 主机名
```

2、方法二:修改配置文件 /etc/hostname 保存退出

修改完成之后重启即可,这里我使用的是方法一:

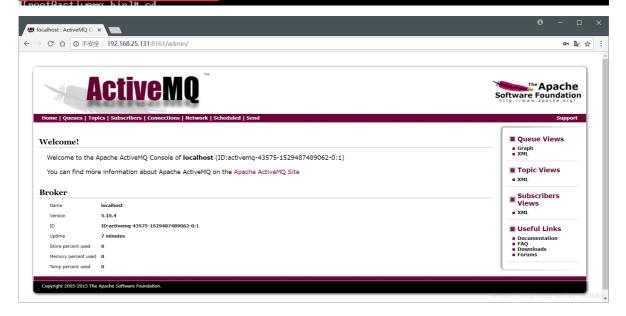
```
hostnamectl set-hostname activemq
```

然后启动ActiveMQ并查看状态:

重启后效果: [root@activemq

```
[root@activemq bin]# ./activemq start
INFO: Loading '/root/apache-activemq-5.15.4//bin/env'
INFO: Using java '/usr/java/jdk1.8.0_161/bin/java'
INFO: Starting - inspect logfiles specified in logging.properties and log4j.properties to get detail s
INFO: pidfile created : '/root/apache-activemq-5.15.4//data/activemq.pid' (pid '1317')
[root@activemq bin]# ./activemq status
INFO: Loading '/root/apache-activemq-5.15.4//bin/env'
INFO: Using java '/usr/java/jdk1.8.0_161/bin/java'
ActiveMQ is running (pid '1317')

https://blog.csdn.net/qq_39056805
```



来源: https://blog.csdn.net/qq\_39056805/article/details/80749337

# 4、启动时指定日志输出文件(重要)

activemq日志默认的位置是在: %activemq安装目录%/data/activemq.log

这是我们启动时指定日志输出文件:

```
service activemq start > /home/activemq/activemq.log
```

```
/home/activemq/*.*
名字

□ apache-activemq-5.16.0
□ activemq.log
□ apache-activemq-5.16.0-bin.tar.gz
```

# 5、查看程序启动是否成功的3种方式(通用)

方式1: 查看进程

```
文件(F) 编辑(E) 重看(V) 搜索(S) ダ端(T) 帮助(H)

[root®zzyy bin] # ps -ef|grep activemq
root 3820 1 20 20:47 pts/0 00:00:13 /opt/jdk1.8.0_201/bin/java ->
operties -Djava.security.auth.login.config=/myactiveMQ/apache-activemq-5.15.9//
.awt.headless=true -Djava.io.tmpdir=/myactiveMQ/apache-activemq-5.15.9//tmp -Da
onf:/myactiveMQ/apache-activemq-5.15.9//../lib/: -Dactivemq.home=/myactiveMQ/ap
e-activemq-5.15.9/ -Dactivemq.conf=/myactiveMQ/apache-activemq-5.15.9//conf -Da
jar /myactiveMQ/apache-activemq-5.15.9//bin/activemq.jar start
root 6885 6688 0 20:48 pts/0 00:00:00 grep activemq
[root®zzyy bin] # ■

方式2: 查看端口是否被占用
```

```
netstat -anp|grep 61616

jar /myactivemu/apacne-activemq-5.15.9//bin/activemq.jar start
[root@zzyy bin]# netstat -anp|grep 61616
tcp 0 0:::61616 I :::* LISTEN 6828/java
[root@zzyy bin]# |
```

方式3: 查看端口是否被占用

```
[root@zzyy bin]# lsof -i:61616

COMMAND PID USER FD TYPE DEVICE SIZE/OFF NODE NAME
java 6828 root 131u IPv6 90445 0t0 TCP *:61616 (LISTEN)
[root@zzyy bin]# ■
```

# 二、ActiveMQ控制台

# 1、访问activemq管理页面地址: http://IP地址:8161/

账户admin 密码admin

# 2、进入



#### Welcome to the Apache ActiveMQ!

What do you want to do next?

点击这里

- Manage ActiveMQ broker
- See some Web demos (demos not included in default configuration)

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# 3、其他

ActiveMQ采用61616端口提供JMS服务。

ActiveMQ采用8161端口提供管理控制台服务。