

# RocketMQ集群部署

## 1、官网下载rocket-mq安装包

官网地址：

```
http://rocketmq.incubator.apache.org
```

linux命令行下载安装包解压：

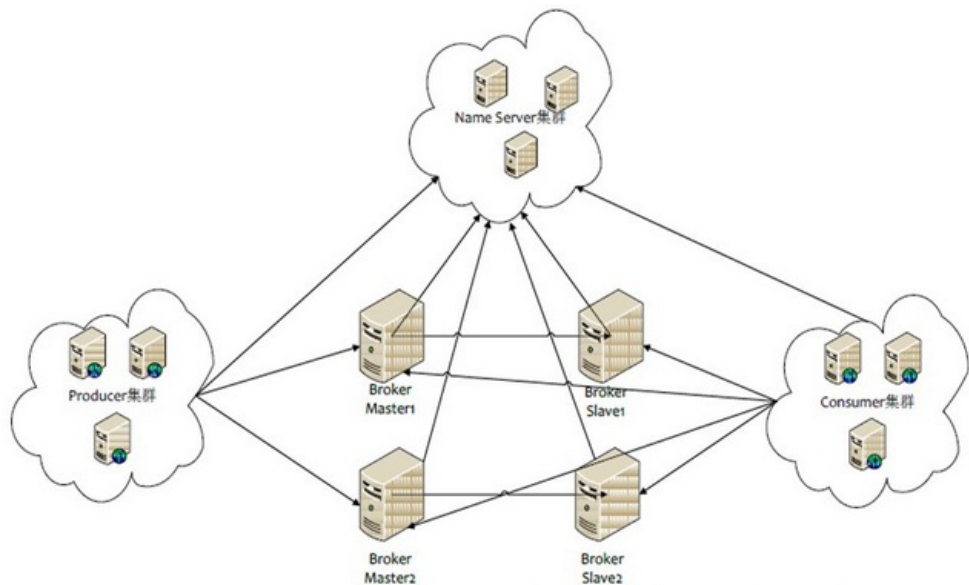
```
wget http://mirror.bit.edu.cn/apache/incubator/rocketmq/4.0.0-incubating/rocketmq-all-4.0.0-incubating-bin-release.zip
unzip -q rocketmq-all-4.0.0-incubating-bin-release.zip
```

具体操作步骤截图

```
root@localhost rocketmq# pwd
/opt/rocketmq
root@localhost rocketmq# wget http://mirror.bit.edu.cn/apache/incubator/rocketmq/4.0.0-incubating/rocketmq-all-4.0.0-incubating-bin-release.zip
2017-06-06 13:52:49 -- http://mirror.bit.edu.cn/apache/incubator/rocketmq/4.0.0-incubating/rocketmq-all-4.0.0-incubating-bin-release.zip
正在解析主机 mirror.bit.edu.cn (mirror.bit.edu.cn)... 202.204.80.77, 2001:da8:204:2001:250:56ff:fe1:22
正在连接 mirror.bit.edu.cn (mirror.bit.edu.cn)[202.204.80.77]:80... 已连接。
正在发出 HTTP 请求，正在等待回应... 200 OK
长度: 6483484 (6.2M) [application/zip]
正在保存至: "rocketmq-all-4.0.0-incubating-bin-release.zip"
100%[=====] 6,483,484 1.09MB/s 用时 5.8s
2017-06-06 13:52:59 (1.07 MB/s) - 已保存 "rocketmq-all-4.0.0-incubating-bin-release.zip" [6483484/6483484]
root@localhost rocketmq# ls
rocketmq-all-4.0.0-incubating-bin-release.zip
root@localhost rocketmq#
root@localhost rocketmq# unzip -q rocketmq-all-4.0.0-incubating-bin-release.zip
root@localhost rocketmq# ls
apache-rocketmq-all rocketmq-all-4.0.0-incubating-bin-release.zip
root@localhost rocketmq#
```

## 2、rocketmq集群部署示意图

注意：由于机器有限，示意图展示的是双Master/Slave模式集群部署方案示意图,本文档记录的双Master模式



图表 5-2RocketMQ 网络部署图

两台NameServer集群清单

NameServer集群			
IP	PORT	作用	启动命令
172.16.150.143	9876(默认端口)	name server 1	nohup sh bin/mqnamesrv &(参考)
172.16.150.178	9876(默认端口)	name server 2	nohup sh bin/mqnamesrv &(参考)

BrokerServer集群					
IP	PORT	模式	名称	ID	启动命令
172.16.150.143	10911(默认端口)	Master	broker-a	0	nohup sh bin/mqbroker -c 配置文件 &(参考)
x.x.x.x	10911(默认端口)	Slave	broker-a	1(非零值)	nohup sh bin/mqbroker -c 配置文件 &(参考)
172.16.150.178	10911(默认端口)	Master	broker-b	0	nohup sh bin/mqbroker -c 配置文件 &(参考)
x.x.x.x	10911(默认端口)	Slave	broker-b	1(非零值)	nohup sh bin/mqbroker -c 配置文件 &(参考)

### 3、开始部署

#### (1)、分别启动两台机器上nameserver服务

172.16.150.143/172.16.150.178

```
[root@localhost rocketmq]# pwd
/opt/rocketmq
[root@localhost rocketmq]# ls
apache-rocketmq-all rocketmq-all-4.0.0-incubating-bin-release.zip
[root@localhost rocketmq]# cd apache-rocketmq-all/
[root@localhost apache-rocketmq-all]# ls
benchmark bin conf DISCLAIMER lib LICENSE NOTICE README.md
[root@localhost apache-rocketmq-all]# jps
13231 Jps
28863 jar
31313 Bootstrap
31278 Bootstrap
[root@localhost apache-rocketmq-all]# nohup sh bin/mqnamesrv &
[1] 13245
[root@localhost apache-rocketmq-all]# nohup: 忽略输入并把输出追加到"nohup.out"
^C
[root@localhost apache-rocketmq-all]# jps
28863 jar
31313 Bootstrap
13251 NamesrvStartup
13300 Jps
31278 Bootstrap
[root@localhost apache-rocketmq-all]#
```

#### (2)、根据nameserver集群地址分别启动两台机器上brokerserver服务

172.16.150.143

```
编辑配置文件
/opt/rocketmq/apache-rocketmq-all/conf/2m-noslave/broker-a.properties
添加配置项
namesrvAddr=172.16.150.143:9876;172.16.150.178:9876
brokerIP1=172.16.150.143
```

最终内容如下

```
brokerClusterName=DefaultCluster
brokerName=broker-a
```

```
brokerId=0
deleteWhen=04
fileReservedTime=48
brokerRole=ASYNCMASTER
flushDiskType=ASYNCFLUSH
namesrvAddr=172.16.150.143:9876;172.16.150.178:9876
brokerIP1=172.16.150.143
```

#### 启动命令

```
[root@localhost apache-rocketmq-all]# ls
benchmark bin conf DISCLAIMER lib LICENSE nohup.out NOTICE README.md
[root@localhost apache-rocketmq-all]# tail -f conf/2m-noslave/broker-a.properties

brokerClusterName=DefaultCluster
brokerName=broker-a
brokerId=0
deleteWhen=04
fileReservedTime=48
brokerRole=ASYNCMASTER
flushDiskType=ASYNCFLUSH
namesrvAddr=172.16.150.143:9876;172.16.150.178:9876
brokerIP1=172.16.150.143
^C
[root@localhost apache-rocketmq-all]# nohup sh bin/mqbroker -c /opt/rocketmq/apache-rocketmq-all/conf/2m-noslave/broker-a.properties
>/dev/null 2>&1 &
[1] 9514
[root@localhost apache-rocketmq-all]# jps
9521 BrokerStartup
31684 Bootstrap
9304 NamesrvStartup
9579 Jps
31391 Bootstrap
[root@localhost apache-rocketmq-all]#
```

#### 172.16.150.178

```
编辑配置文件
/opt/rocketmq/apache-rocketmq-all/conf/2m-noslave/broker-b.properties
添加配置项
namesrvAddr=172.16.150.143:9876;172.16.150.178:9876
brokerIP1=172.16.150.178
```

#### 最终内容如下

```
brokerClusterName=DefaultCluster
brokerName=broker-b
brokerId=0
deleteWhen=04
fileReservedTime=48
brokerRole=ASYNCMASTER
flushDiskType=ASYNCFLUSH
namesrvAddr=172.16.150.143:9876;172.16.150.178:9876
brokerIP1=172.16.150.178
```

#### 启动命令

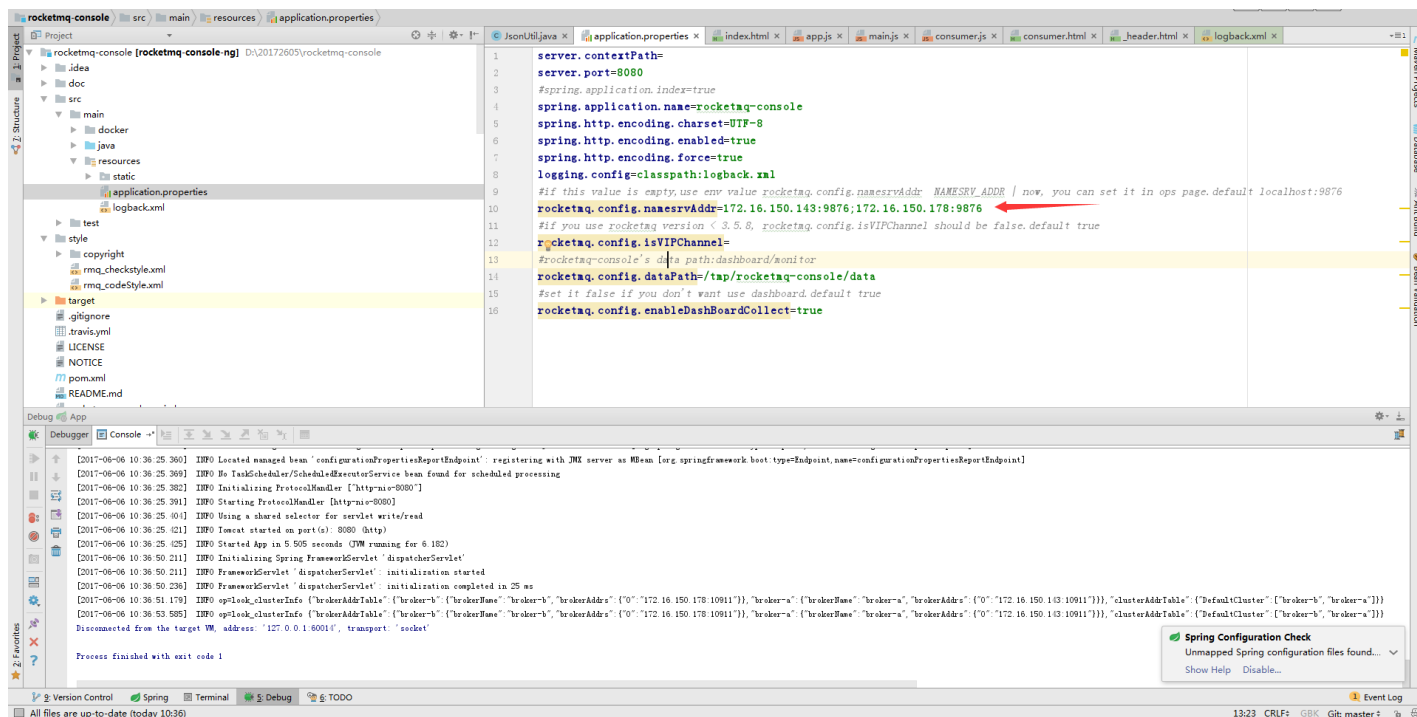
```
[root@localhost apache-rocketmq-all]# ls
benchmark bin conf DISCLAIMER lib LICENSE nohup.out NOTICE README.md
[root@localhost apache-rocketmq-all]# tail -f conf/2m-noslave/broker-b.properties
brokerClusterName=DefaultCluster
brokerName=broker-b
brokerId=0
deleteWhen=04
fileReservedTime=48
brokerRole=ASYNCMASTER
flushDiskType=ASYNCFLUSH
namesrvAddr=172.16.150.143:9876;172.16.150.178:9876
brokerIP1=172.16.150.178
^C
[root@localhost apache-rocketmq-all]# nohup sh bin/mqbroker -c /opt/rocketmq/apache-rocketmq-all/conf/2m-noslave/broker-b.properties
>/dev/null 2>&1 &
[2] 14369
[root@localhost apache-rocketmq-all]# jps
28863 jar
13732 NamesrvStartup
14451 Jps
31313 Bootstrap
14376 BrokerStartup
31278 Bootstrap
[root@localhost apache-rocketmq-all]#
```

## 4、启动RocketMQ集群管理平台

github地址：<https://github.com/leorian/rocketmq-console>

项目架构是SpringBoot+Angular,只需修改src/main/resources/application.properties文件

修改配置项rocketmq.config.namesrvAddr=172.16.150.143:9876;172.16.150.178:9876



打包发布服务器

mvn clean package -Dmaven.test.skip=true

nohup sh java -jar target/rocketmq-console-ng-1.0.0.jar &

← → ↻ 172.16.150.178:8080/#/cluster 刷新 ☆ ⋮

RocketMQ控制台 运维 驾驶舱 集群 主题 消费者 生产者 消息 更换语言

集群: DefaultCluster

分片	编号	地址	版本	生产消息TPS	消费消息TPS	昨日生产总数	昨日消费总数	今天生产总数	今天消费总数	操作
broker-a	0(master)	172.16.150.143:10911	V4_0_0_SNAPSHOT	0.00	0.00	0	0	0	0	<div>状态 配置</div>
broker-b	0(master)	172.16.150.178:10911	V4_0_0_SNAPSHOT	0.00	0.00	0	0	0	0	<div>状态 配置</div>

5、参考文档

CSDN-博客  
<http://blog.csdn.net/lovesomnus/article/details/51769977>