

centos7使用yum安装mesos

1. 安装

如果需要用到docker，需要提前安装好docker环境

1. 配置yum源

```
wget http://repos.mesosphere.io/el-testing/7/noarch/RPMS/mesosphere-el-repo-7-3.noarch.rpm
rpm -ivh mesosphere-el-repo-7-3.noarch.rpm
```

2. 安装配置 zookeeper 集群

1. 安装zookeeper

```
yum install -y java-1.8.0-openjdk
cd /server/software
wget http://mirrors.hust.edu.cn/apache/zookeeper/zookeeper-3.5.1-alpha/zookeeper-3.5.1-alpha.tar.gz
tar xf zookeeper-3.5.1-alpha.tar.gz
mv zookeeper-3.5.1-alpha zookeeper
mv zookeeper /usr/local/
chown root.root /usr/local/zookeeper -R
```

2. 配置zookeeper

```
mkdir -pv /data/zookeeper/{data,log}
cat >/usr/local/zookeeper/conf/zoo.cfg<<EOF
clientPort=2181
maxClientCnxns=1024

tickTime=2000
initLimit=20
syncLimit=10

dataDir=/data/zookeeper/data
dataLogDir=/data/zookeeper/log

server.1=lab1:2888:3888
server.2=lab2:2888:3888
server.3=lab3:2888:3888
EOF
```

3. 启动zookeeper

```
#生成ID, 这里需要注意, myid对应的zoo.cfg的server.ID
echo "1" >/data/zookeeper/data/myid
echo "2" >/data/zookeeper/data/myid
echo "3" >/data/zookeeper/data/myid

#启动
/usr/local/zookeeper/bin/zkServer.sh start

#查看节点的状态
/usr/local/zookeeper/bin/zkServer.sh status
```

3. 安装mesos和marathon

```
yum -y install mesos marathon
```

2. 配置

1. 配置启动 mesos-master

```
# 基本配置
mkdir /var/lib/mesos-master
```

```

echo 'zk://lab1:2181,lab2:2181,lab3:2181/mesos' > /etc/mesos/zk
echo '/var/lib/mesos-master' > /etc/mesos-master/work_dir
echo '2' > /etc/mesos-master/quorum
hostname -i > /etc/mesos-master/ip
hostname -i > /etc/mesos-master/hostname
echo 'paas' > /etc/mesos-master/cluster

# 配置port
# /etc/default/mesos-master

# 配置日志文件
# /etc/default/mesos

# 启动
systemctl start mesos-master
systemctl status mesos-master
ps -ef | grep mesos-master

# 访问测试
http://192.168.12.211:5050/

```

2. 配置启动 mesos-slave

```

# 基本配置
mkdir /var/lib/mesos-slave
echo 'zk://lab1:2181,lab2:2181,lab3:2181/mesos' > /etc/mesos/zk
echo '/var/lib/mesos-slave' > /etc/mesos-slave/work_dir
echo 'docker,mesos' > /etc/mesos-slave/containerizers
hostname -i > /etc/mesos-slave/ip
hostname -i > /etc/mesos-slave/hostname

# 配置port
# /etc/default/mesos-slave
echo 'PORT=5051' >> /etc/default/mesos-slave

# 配置日志文件
# /etc/default/mesos

# 启动
systemctl start mesos-slave
systemctl status mesos-slave
ps -ef | grep mesos-slave

# 访问测试
http://192.168.12.211:5050/#/agents

```

3. 配置启动 marathon

```

# 配置
echo 'zk://lab1:2181,lab2:2181,lab3:2181/mesos' > /etc/mesos/zk
mkdir /etc/marathon/conf -pv
echo '8090' > /etc/marathon/conf/http_port

# 启动
systemctl start marathon
systemctl status marathon
ps -ef | grep marathon

# 测试
http://192.168.12.211:8090/

# 测试docker
docker pull nginx
cat >example-3.json<<EOF
{
  "id" : "example-3",
  "cpus" : 0.5,
  "mem" : 32.0,
  "container" : {
    "type" : "DOCKER",
    "docker" : {
      "image" : "nginx",
      "network" : "BRIDGE",
      "portMappings" : [

```

```
{ "containerPort" : 80, "hostPort" : 0 }  
]  
}  
}  
}  
EOF  
  
curl -X POST http://192.168.12.211:8090/v2/apps -d @example-3.json -H "Content-type: application/json"  
  
# 查看  
http://192.168.12.211:8090/
```