# Hbase□□□□□□

2024.03.29 23:56:50

**FAQ□□□□**

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Hbase□□□□□□

□□Hbase□□□□□□□□
[1]https://blog.51cto.com/xiong51/2047261

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1 □□□□□□

□□ IP □□ □□□ □□ □□

Master 172.20.62.69 Centos6.8_64bit 4 4G 50G

Slave1 172.20.62.70 Centos6.8_64bit 4 4G 50G

Slave2 172.20.62.71 Centos6.8_64bit 4 4G 50G

2 □□□□

  Master Slave1 Slave2

HMaster √ √ √

HRegionServer   √ √

NameNode √

SecondaryNameNode √

ResourceManager √

NodeManager   √ √

DataNode   √ √

QuorumPeerMain √ √ √

3 □□□□
jdk-8u77-linux-x64.rpm
zookeeper-3.4.9.tar.gz
hbase-1.3.1-bin.tar.gz
hadoop-2.7.4.tar.gz

□□□□□ https://pan.baidu.com/s/1dFuBnKt □□□ rhwu

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1 □□□□
3□□□□□□ centos6.8 □□□4   □□□4G  □□□50G

2 □□□□□□□ip□□
vi /etc/sysconfig/network
□□□□□□□□□master□slave1□slave2

3 □□hosts□□□□□□□□□□□

cat /etc/hosts

reboot□□□ping□□□□□□□□

4 □□□□□□□□□□□□□□

groupadd -g 4000 hadoop useradd -g 4000 -u 4001 hadoop

cd /home □□□□□□

5 □□□□□□□□hbase,zookeeper □□□□□□/opt/hadoop

mkdir /opt/hadoop chown hadoop.hadoop /opt/hadoop/ -R

6 □□□□□

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```
service iptables stop
chkconfig iptables off
```

□□□□ssh□□

□□□□
[2]https://www.cnblogs.com/20kuaiqian/p/11202330.html

□□□□□□

□□ntp□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□ 30s

□□
[3]https://www.cnblogs.com/ouyanghuanlin/articles/11207797.html

1 □□□□□□□□□ntp
```
rpm -qa | grep ntp
```
□□□□□□□□□□yum install ntp ntpdate -y□

2 □□NTP□□□□□□
```
chkconfig ntpd on
```
□□□□□□□□
```
chkconfig --list | grep ntp
```

3 □□□□□□□□□master□□□□□
□□□□□□ date -s "2019/09/20 12:36:40"
□□□□□□ clock --systohc
□□□□□□ hwclock
□□□□□□ date

□□□□□□□□□□□□□□□□□□□□□□□□□
```
vim /etc/ntp.conf
```

```
# server 0.centos.pool.ntp.org iburst
# server 1.centos.pool.ntp.org iburst
# server 2.centos.pool.ntp.org iburst
# server 3.centos.pool.ntp.org iburst
server 127.127.1.0 iburst
```

□□ntpd
```
/etc/init.d/ntpd restart
```

□□□□□□NTP□□□□□□□□□□□□□□□□□□□□□
```
ntpq -p
```

4 □□□□□□slave1□slave2□

□□ntpd□□□□□□□□□ntpdate□□□□□□□ /etc/init.d/ntpd stop

□□□□□□ vim /etc/ntp.conf

```
# server 0.centos.pool.ntp.org iburst
# server 1.centos.pool.ntp.org iburst
# server 2.centos.pool.ntp.org iburst
# server 3.centos.pool.ntp.org iburst
server 192.168.0.11 iburst
restrict 192.168.0.11 nomodify notrap noquery
```

□□□□□□□ ntpdate -u 172.20.62.69
□□□□□□ clock --systohc
□□□□□□ hwclock
□□□□□□ date

□□JDK□□

□□□□□□□□□□□□jdk□□□□□□□□

1 □□1.8.0_77□JDK
```
rpm -ivh jdk-8u77-linux-x64.rpm
```

□□JDK□□
```
java -version
```

2 □□□□□□
```
vim /etc/profile.d/java.sh
```

3 □□□□□□□□□□□□
```
source /etc/profile.d/java.sh
```

□□□□□□□ java -version

□□zookeeper□□□□

□□□□
[4]http://blog.csdn.net/reblue520/article/details/52279486

1 □□zookeeper
```
cd /opt/hadoop/ tar xf zookeeper-3.4.9.tar.gz
```

2 □□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
```
ln -sv zookeeper-3.4.9 zookeeper
cd /opt/hadoop/zookeeper/conf
cp zoo_sample.cfg zoo.cfg
```

cat zoo.cfg□□□□□□
□□□□netstat -ano□□□□□□□□□□□□□□2185

3 □□□□□□□□□□
```
mkdir /opt/hadoop/zookeeper/data
mkdir /opt/hadoop/zookeeper/logs
```

4 □zoo.cfg□□dataDir□□□□□□□□□myid□□□
□myid□□□□□1□□□□server.1□
```
echo "1" > data/myid   □□□□□□server.1  □□□□□□□□□□□□server.2
```

5 □□□□□□□□zookeeper

□□□□□□□□□□□□□□□□
```
cd /opt/hadoop/zookeeper
bin/zkServer.sh start □□□□□□□□□□□□□□□□□□□
```

□□□□□bin/zkServer.sh status

Zookeeper□□□□

□□hadoop□□□□

1 master□□□□□□□□□□□□□□□□ /opt/hadoop
```
tar xf hadoop-2.7.4.tar.gz
ln -sv hadoop-2.7.4 hadoop
```

□□□□□□□□
```
[root@master hadoop]# chown hadoop.hadoop /opt/hadoop/hadoop-2.7.4 -R
```

□□□□□□
```
vim /etc/profile.d/hadoop.sh
```

```
export HADOOP_HOME=/opt/hadoop/hadoop export HADOOP_INSTALL=$HADOOP_HOME
export HADOOP_MAPRED_HOME=$HADOOP_HOME export HADOOP_COMMON_HOME=$HADOOP_HOME
export HADOOP_HDFS_HOME=$HADOOP_HOME export YARN_HOME=$HADOOP_HOME export
HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native export
PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin # export HADOOP_SSH_OPTS="-p 22"
```

2 □□□□□□□□
```
scp /etc/profile.d/hadoop.sh slave1:/etc/profile.d/ scp
/etc/profile.d/hadoop.sh slave2:/etc/profile.d/
```

3 □□□□□□
```
source /etc/profile.d/hadoop.sh
```

□□□□□□
```
hadoop version
```

4 master□□□□
□□□□□□

hadoop□□□□□□□□/opt/hadoop/hadoop/etc/hadoop

□1□vim core-site.xml

```
<configuration>
<property>
<name>fs.default.name</name> <value>hdfs://master:9000</value>
</property>
</configuration>
```

□2□vim hadoop-env.sh

```
#export JAVA_HOME=${JAVA_HOME} export JAVA_HOME=/usr/java/default
```

□3□vim hdfs-site.xml # □□hdfs□□□□□□□□□□□□
```
<configuration>
<property>
<name>dfs.name.dir</name>
<value>/opt/hadoop/hadoop/name</value>
</property>
<property>
<name>dfs.data.dir</name>
<value>/opt/hadoop/hadoop/data</value>
</property>
<property>
<name>dfs.replication</name>
<value>3</value>
</property>
</configuration>
```

```
mkdir /opt/hadoop/hadoop/name mkdir /opt/hadoop/hadoop/data
```

□3□cp mapred-site.xml.template mapred-site.xml

```
vim !$
<configuration>
<property>
<name>mapred.job.tracker</name>
<value>master:9001</value>
</property>
</configuration>
```

□□□□□

```
cd /opt/hadoop/hadoop/etc/hadoop/slaves
```

□□□□□□□□□□□□□□□□□□□

```
scp -r hadoop-2.7.4 slave1:/opt/hadoop/
scp -r hadoop-2.7.4 slave2:/opt/hadoop/
```

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□□□□□
```
ln -sv /opt/hadoop/hadoop-2.7.4 /opt/hadoop/hadoop
```

□□□□□□□□
```
chown hadoop.hadoop /opt/hadoop/hadoop -R
```

6 □□hadoop

□□master□/opt/hadoop/hadoop□□□□□□□□□
```
bin/hadoop namenode -format # □□□namenode□□□□□□□□□□□□□□,□□□□□□□
```

□□hadoop□□
```
sbin/start-all.sh
```

jps□□□□□□
master□□

slave□□

□□hbase□□□□

1 □□□□□□□□□□□□□□ /opt/hadoop

```
tar xf hbase-1.3.1-bin.tar.gz ln -sv hbase-1.3.1 hbase
```

2 □□□□□□ /opt/hadoop/hbase/conf

□1□vim hbase-env.sh

```
export JAVA_HOME=/usr/java/default/ export
HBASE_CLASSPATH=/opt/hadoop/hadoop/etc/hadoop export HBASE_MANAGES_ZK=false #
□□□□□□zk□□□□□□zookeeper
```

□2□vim hbase-site.xml    # □□□□□□

```
<configuration>
<property>
<name>hbase.rootdir</name> <value>hdfs://master:9000/hbase</value>
</property>
<property>
<name>hbase.master</name>
<value>master</value>
</property>
<property>
<name>hbase.cluster.distributed</name>
<value>true</value>
</property>
<property>
<name>hbase.zookeeper.property.clientPort</name>
<value>2185</value> # □□□□□zook□□□
</property>
<property>
<name>hbase.zookeeper.quorum</name> # □□□□□□□□□
<value>master,slave1,slave2</value>
</property>
<property>
<name>zookeeper.session.timeout</name> # zook□session□□□□
<value>60000000</value>
</property>
<property>
<name>dfs.support.append</name>
<value>true</value>
</property>
</configuration>
```

□3□vim regionservers# □□□□□ □□□□□□

```
slave1 slave2
```

3 □□□□□□□□□□□□
```
ln -sv /opt/hadoop/hbase-1.3.1 /opt/hadoop/hbase
```

□□□□□□□□
```
chown hadoop.hadoop /opt/hadoop/hbase-1.3.1 -R
```

4 □□hbase

□□□□□□□□ hbase□□
```
/opt/hadoop/hbase-1.3.1/bin/start-hbase.sh
```

□□master□□hbase□□□□□□□□□□
```
/opt/hadoop/hbase/bin/start-hbase.sh
```

jps□□□□□□
```
master
3064 NameNode
3257 SecondaryNameNode
3417 ResourceManager
35597 Jps
2495 QuorumPeerMain
4495 HMaster

2866 DataNode
```

```
3347 HRegionServer
23380 NodeManager
23782 Jps
3672 HMaster
2492 QuorumPeerMain
```

□□hbase shell□□□□
/opt/hadoop/hbase/bin/hbase shell

web□□□Hbase□□□□
[5]http://172.20.62.69:16010/master-status

[1] https://blog.51cto.com/xiong51/2047261
[2] https://www.cnblogs.com/20kuaiqian/p/11202330.html
[3] https://www.cnblogs.com/ouyanghuanlin/articles/11207797.html
[4] http://blog.csdn.net/reblue520/article/details/52279486
[5] http://172.20.62.69:16010/master-status