## **Prepear**

Hadoop 2.7.3

HBase 1.3.0

#### Download

```
1. wget https://archive.apache.org/dist/hbase/1.3.0/hbase-1.3.0-bin.tar.gz
```

#### unzip

```
1. tar -zxvf hbase-1.3.0-bin.tar.gz
```

# Profile (All Nodes)

#### vim ~/.bashrc

```
1.
2. export HADOOP_BASE_PATH=/opt/
3.
4. # hadoop env setting
5.
6. # append hbase env setting
7. export HBASE_HOME=$HADOOP_BASE_PATH/hbase-1.3.0
8. export PATH=$PATH:$HBASE_HOME/bin
```

#### load profile

```
1. source ~/.bashrc
```

## **Deploy**

#### hbase-env.sh ( All Nodes )

```
    cp $HBASE_HOME/conf/hbase-env.sh $HBASE_HOME/conf/hive-env.sh.bak
    vim $HBASE_HOME/conf/hbase-env.sh
```

```
1.
     # Java
2.
     export JAVA_HOME=/usr/lib/jvm/java-8-oracle/
3.
4.
     # HBase
     export HBASE_HEAPSIZE=4G
5.
     # 设置为本机Hadoop安装目录下的conf目录(即{HADOOP HOME}/conf)
6.
     export HBASE CLASSPATH=/opt/hadoop-2.7.3/etc/hadoop/
7.
8.
     # 使用自带的zookeeper
9.
     export HBASE MANAGES ZK=true
     # 不用HBase管理Zookeeper集群
10.
11.
     # export HBASE_MANAGES_ZK=false
```

#### hbase-site.xml ( All Nodes )

```
    # backup
    cp $HBASE_HOME/conf/hbase-site.xml $HBASE_HOME/conf/hbase-site.xml.bak
    vim $HBASE_HOME/conf/hbase-site.xml
```

```
1.
      <configuration>
2.
          cproperty>
3.
              <name>hbase.rootdir</name>
              <value>hdfs://HBase-HMaster:9000/hbase</value>
4.
5.
          </property>
6.
          cproperty>
 7.
              <name>hbase.cluster.distributed</name>
8.
              <value>true</value>
9.
          </property>
10.
          <!-- HMaster相关参数 -->
11.
          cproperty>
12.
              <name>hbase.master.info.bindAddress
13.
              <value>0.0.0.0</value>
14.
              <description>HBase Master Web UI的绑定地址,默认0.0.0.0</description
15.
          </property>
16.
          cproperty>
17.
              <name>hbase.master.info.port
18.
              <value>16010</value>
19.
              <description>HBase Master Web UI端口, -1表示不运行Web UI</descriptio</pre>
      n>
20.
          </property>
21.
          cproperty>
22.
              <name>hbase.zookeeper.quorum</name>
23.
              <value>HBase-HMaster, HBase-HRegion-1, HBase-HRegion-2</value>
24.
         </property>
25.
          cproperty>
26.
              <name>hbase.zookeeper.property.dataDir</name>
              <value>/tmp/hbase/zookeeper</value>
27.
28.
         29.
      </configuration>
```

#### regionservers ( All Nodes )

```
    # backup
    cp $HBASE_HOME/conf/regionservers $HBASE_HOME/conf/regionservers
    vim $HBASE_HOME/conf/regionservers
    HBase-HRegion-1
    HBase-HRegion-2
```

## Start & Shutdown (HBase-HMaster Node)

```
1. # $HADOOP_HOME/sbin/start-dfs.sh
2. # $HADOOP_HOME/sbin/start-yarn.sh
3. $HBASE_HOME/bin/start-hbase.sh

1. jps
2. # Master: HMaster, HQuorumPeer
3. # $lave: HRegionServer, HQuorumPeer

1. $HBASE_HOME/bin/stop-hbase.sh
2. # $HADOOP_HOME/sbin/stop-yarn.sh
3. # $HADOOP_HOME/sbin/stop-dfs.sh
```

## Shell (Any Node)

```
1. $HBASE_HOME/bin/hbase shell

1. hbase(main):001:0> create 'member','member_id','address','info'
2. hbase(main):002:0> list
3. hbase(main):003:0> describe 'member'
4. hbase(main):003:0> desc 'member'
5. hbase(main):004:0> exit
```

```
xenron@xenron-XPS-8700-Ubuntu-14: ~/.ssh
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/opt/soft/hbase-1.2.2/lib/slf4j-log4j12-1.7.5.
jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/opt/soft/hadoop-2.6.4/share/hadoop/common/lib
/slf4j-log4j12-1.7.5.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory] HBase Shell; enter 'help<RETURN>' for list of supported commands.
Type "exit<RETURN>" to leave the HBase Shell
Version 1.2.2, r3f671c1ead70d249ea4598f1bbcc5151322b3a13, Fri Jul 1 08:28:55 CD
T 2016
hbase(main):001:0> create 'member','member_id','address','info'
0 row(s) in 1.3680 seconds
=> Hbase::Table - member
hbase(main):002:0> list
TABLE
member
1 row(s) in 0.0130 seconds
=> ["member"]
hbase(main):003:0> describe 'member'
```

### **HBase Master Web UI**

