

# Nut 开发环境搭建

虚拟机下 hadoop0.20.2+zkookeeper3.3.3+hbase0.90.2 开发环境的搭建

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# 一、安装

- 1、安装虚拟机 Oracle VM VirtualBox4.0.4
- 2、在虚拟机下安装 Red Hat 6.0
- 3、安装 jdk jdk-6u24-linux-i586.bin 安装路径为: /home/nianzai/jdk1.6.0\_24
- 4、安装 hadoop hadoop-0.20.2.tar.gz 安装路径为: /home/nianzai/hadoop-0.20.2
- 5、安装 zookeeper zookeeper-3.3.3.tar.gz 安装路径为: /home/nianzai/zookeeper-3.3.3
- 6、安装 hbase hbase-0.90.2.tar.gz 安装路径为: /home/nianzai/hbase-0.90.2

# 二、配置

## 1、Linux 配置

```
ssh-keygen -t rsa -P ""
```

```
cd .ssh
```

```
cp id_rsa.pub authorized_keys
```

```
/etc/hosts 里增加 192.168.195.128 master
```

```
/etc/profile 里增加
```

```
export JAVA_HOME=/home/nianzai/jdk1.6.0_24
```

```
export PATH=$PATH:$JAVA_HOME/bin
```

## 2、hadoop 配置

```
hadoop-env.sh
```

```
JAVA_HOME=/home/nianzai/jdk1.6.0_24
```

```
core-site.xml
```

```
<configuration>
```

```
<property>
```

```
<name>hadoop.tmp.dir</name>
```

```
<value>/home/nianzai/hadoop</value>
```

```
</property>
```

```
<property>
```

```
<name>fs.default.name</name>
```

```
<value>hdfs://master:9000</value>
```

```
</property>
```

```
</configuration>
```

```
hdfs-site.xml
```

```
<configuration>
```

```
<property>
```

```
<name>dfs.replication</name>
```

```
<value>1</value>
```

```
</property>
```

```
</configuration>
```

```
mapred-site.xml
<configuration>
<property>
<name>mapred.job.tracker</name>
<value>master:9001</value>
</property>
</configuration>
```

```
masters
master
```

```
sh hadoop namenode -format
sh start-all.sh
sh hadoop fs -mkdir input
```

### 3、zookeeper 配置

```
zoo.cfg
tickTime=2000
initLimit=10
syncLimit=5
dataDir=/home/nianzai/zkdata
clientPort=2181
```

```
sh zkServer.sh start
```

### 4、hbase 配置

```
hbase-env.sh
export JAVA_HOME=/home/nianzai/jdk1.6.0_24
export HBASE_MANAGES_ZK=false
```

将 hbase0.90.2 lib 目录下 hadoop-core-0.20-append-r1056497.jar 删除，替换成 hadoop0.20.2 下的 hadoop-0.20.2-core.jar

```
hbase-site.xml
<configuration>
<property>
  <name>hbase.rootdir</name>
  <value>hdfs://master:9000/hbase</value>
</property>
<property>
  <name>hbase.cluster.distributed</name>
  <value>true</value>
</property>
```

```
<property>
  <name>hbase.master.port</name>
  <value>60000</value>
</property>
<property>
  <name>hbase.zookeeper.quorum</name>
  <value>master</value>
</property>
</configuration>
```

regionservers

master

sh start-hbase.sh