HBASE INSTALLATION AND CONFIGURATION

This document explains the procedure to setup HBASE. You are expected to know basic UNIX commands and VI editor commands. If you are not familiar with UNIX and vi commands, you should brush up your UNIX basics before proceeding.

Requirements

- Java 1.6 or above
- Hadoop 1.0.3

1. Installing Hbase from a release

Start by downloading the most recent stable release of Sqoop from one of the Apache download mirrors

The version which we are going to download is HBASE-0.94.15

Move the Hbase version in the Downloads folder to /usr/hadoop-inst directory

sudo mv /<path in which sqoop tar file is downloaded>/ hbase-0.94.15.tar.gz /usr/hadoop-inst/hadoop-1.0.3

Extract the tar file, you should be in usr/hadoop-inst/hadoop-1.0.3 directory

sudo tar xzf hbase-0.94.15

Set the environment variable HBASE_HOME to point to the installation directory (in bash.rc file).

export HBASE_HOME=/usr/hadoop-inst/hadoop-1.0.3/hbase-0.94.15

export PATH=\$PATH:\$HBASE HOME/bin

2) Update hbase-env.sh file:

Navigate to hbase/conf directory and update with the below statements.

export JAVA_HOME=/usr/lib/jvm/java-6-oracle
export HBASE_MANAGES_ZK=true

3) Update hbase-site.xml in HBASE/CONF folder

```
<configuration>
configuration>
configuration>
<name>hbase.rootdir</name>
<value>hdfs://localhost:54310/hbase</value>

cyproperty>
<name>hbase.cluster.distributed</name>
<value>true</value>

cyproperty>
<name>hbase.zookeeper.quorum</name>
```

```
<value>localhost</value>
</property>
cproperty>
<name>dfs.replication</name>
<value>1</value>
</property>
cproperty>
<name>hbase.zookeeper.property.clientPort</name>
<value>2181</value>
</property>
cproperty>
<name>hbase.zookeeper.property.dataDir</name>
<value>/home/<YOUR USERNAME> ex
:geetha/hbase/zookeeper</value>
</property>
</configuration>
```

4) Start HBASE services:

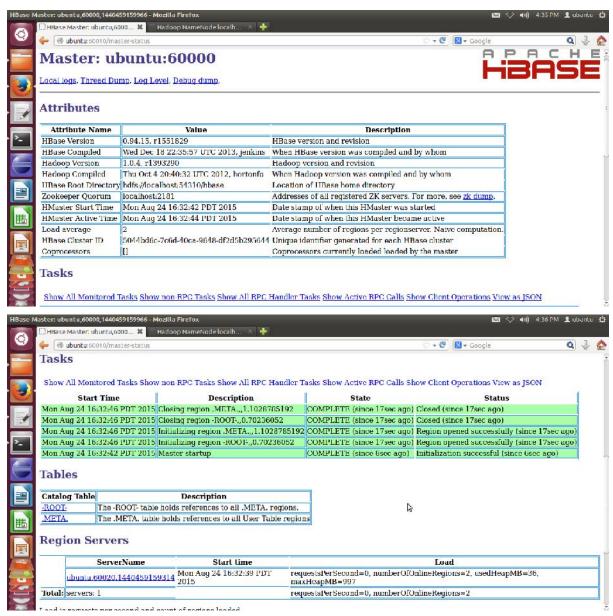
bin/start-hbase.sh

sample o/p4)

```
geetha@ubuntu:/usr/hadoop-inst/hadoop-1.0.3/hbase-0.94.15$ bin/start-hbase.sh localhost: starting zookeeper, logging to /usr/hadoop-inst/hadoop-1.0.3/hbase-0.starting master, logging to /usr/hadoop-inst/hadoop-1.0.3/hbase-0.94.15/logs/hbalocalhost: starting regionserver, logging to /usr/hadoop-inst/hadoop-1.0.3/hbase-geetha@ubuntu:/usr/hadoop-inst/hadoop-1.0.3/hbase-0.94.15$ jps 3827 JobTracker 8119 HMaster 3734 SecondaryNameNode 4067 TaskTracker 3490 DataNode 8503 Jps 8048 HQuorumPeer 8405 HRegionServer 3229 NameNode
```

4) Web interface for HBASE:

http://ubuntu:60010/master-status



5) Stopping HBASE services:

bin/stop-hbase.sh