Steps

Step 1: Before installing Hbase, you need to First ensure that java8 is installed:

3 sudo add-apt-repository ppa:webupd8team/java

sudo apt-get update

sudo apt-get install oracle-java8-installer

Verify that java is correctly installed:

1 java -version

Configuring Java Environment

1 sudo apt-get install oracle-java8-set-default

Step 2: Ensure that you successfully installed hadoop on your machine

Check this link if you need to know how to install it.

Step 3: Download Apache Hbase

• Go to downloads page

• Choose hbase file: hbase-1.2.5-bin.tar.gz

Step 4: Complete the installation process

• Move the downloaded file “hbase-1.2.5-bin.tar.gz” to your home (~)

• Compress it :

1 tar -zxvf hbase-1.2.5-bin.tar.gz

• Edit hbase-env.sh using this command lines:

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2 cd /usr/local/hbase/conf

gedit hbase-env.sh

• Add this line:

1 export JAVA\_HOME=/usr/lib/jvm/java-8-oracle

• Edit hbase-site.xml using this command lines:

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2 cd /usr/local/hbase/conf

gedit hbase-site.xml

• Add this lines:

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17 <configuration>

//Here you have to set the path where you want HBase to store its files.

<property>

<name>hbase.rootdir</name>

<value>hdfs://localhost:9000/hbase</value>

</property>

//Here you have to set the path where you want HBase to store its built in zookeeper files.

<property>

<name>hbase.zookeeper.property.dataDir</name>

<value>/home/hadoopworkshop/zookeeper</value>

</property>

<property>

<name>hbase.cluster.distributed</name>

<value>true</value>

</property>

</configuration>

• Edit bashrc using this command line:

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2 cd

sudo gedit .bashrc

• Add this lines:

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4 # - HBASE ENVIRONMENT VARIABLES START -#

export HBASE\_HOME=/usr/local/hbase

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

# - HBASE ENVIRONMENT VARIABLES END -#

• Execute bashrc:

1 . ~/.bashrc

Step 5: Start hbase processes

• Start hadoop process first:

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2 start-hdfs.sh

start-yarn.sh

• Start hbase:

1 start-hbase.sh

Step 6: Stop hbase processes

• Stop hbase:

1 stop-hbase.sh

• Stop hadoop process:

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2 stop-dfs.sh

stop-yarn.sh