

CS19P16 - DATA ANALYTICS ASSIGNMENT

P. Swetha

210701277

CSE - E

INSTALLATION OF UBUNTU ON VIRTUAL BOX

Step 1: Initially install iso for Ubuntu.

Step 2: Open virtual Box and click on the New Button

Step 3: Give a name for your Virtual machine and Select the location for it to install.

Step 4: Assign RAM size to your Virtual machine.

Step 5: Create a virtual Hard disk machine

Step 6: Select the type of Hard disk.

Step 7: Either of physical storage types can be select.

Step 8: Select Disk size and provide destination folder to install.

Step 9: After click creation is done.

Step 10: If the installation disk is done, boot it.

Step 11: Proceed with installation file and for further.

Step 12: click on installation file further option.

Step 13: click on install ubuntu option and select keyboard layout and continue.

Step 14: Select the installation type and click on install now button to proceed.

→ Transfer files to H.
Step 14: selection and check a name for your com,
and set password & server login info.

INSTALLING HADOOP ON UBUNTU

Step 1: Install development kit.
\$ sudo apt update & sudo apt install open
jdk -18-jdk.

Step 2: verify java version.
java -version.

Step 3 - Install SSH

\$ sudo apt install ssh
SSH is essential for Hadoop operation since it
sees communication.

Step 4: create the Hadoop user.

\$ sudo adduser

Step 5: once the hadoop user is created
switch to this user

Step 6:

export HADOOP_OPTS="-Djava.library.path
\$HADOOP_HOME/lib/native".

source n/b path.

set Java path.

Step 6: Configure SCM

ssh-keygen -t rsa

Step 10: Install Hadoop.

wget https://d3d29apuche.org/hadoop/common/hadoop.

3.3.6/hadoop - 3.3.6 - tar g.2.

tar -xvzf hadoop-3.3.6.tar

export HADOOP_HOME /usr/lib/jvm/java-8-openjdk

export HADOOP_HOME /home/hadoop/hadoop

export HADOOP_INSTALL = \$HADOOP_HOME

export HADOOP_MAPRED_HOME = \$HADOOP_HOME

export HADOOP_HDFS_HOME = \$HADOOP_HOME

export HADOOP_COMMON_LIB_NATIVE = \$HADOOP_HOME/lib/native.

Step 12: Start Hadoop cluster.

→ Format the install

Step 13: Verifying the Hadoop cluster

hdfs dfs -mkdir /test1

→ List directories in HDFS.

hdfs - dfs / ls!

note button to proceed.

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..