CREATING THE HDUSER AND SSH LOCALHOST

AIM: PERFORM THE BASIC CONFIGURATION SETUP FOR INSTALLINGHADOOP 2.X LIKE CREATING THE

HDUSER AND SSH LOCALHOST

PROCEDURE:

Step 1 – System Update

$ sudo apt-get update

Step 2 – Install Java and Set JAVA\_HOME

//This first thing to do is to setup the webupd8 ppa on your system. Run the following

command and proceed.

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

$ sudo apt-get update

//After setting up the ppa repository, update the package cache as well.

//Install the Java 8 installer

$ sudo apt-get install oracle-java8-installer

// After the installation is finished, Oracle Java is setup. Run the java command again to

check the version and vendor.

[or]

$ sudo apt-get install default-jdk

$ java -version

Step 3 – Add a dedicated Hadoop user

$ sudo addgroup hadoop

$ sudo adduser --ingroup hadoop hduser

// Add hduser to sudo user group

$ sudo adduser hduser sudo

Step 4 – Install SSH and Create Certificates

$ sudo apt-get install ssh

$ su hduser

$ ssh-keygen -t rsa -P ""

// Set Environmental variables

$ cat $HOME/.ssh/id\_rsa.pub >> $HOME/.ssh/authorized\_keys

Step 5 – Check if SSH works

$ ssh localhost

Step 6 – Install Hadoop

// Extract Hadoop-2.7.2

$ sudo tar xvzf hadoop-2.7.2.tar.gz

// Create a folder ‘hadoop’ in /usr/local

$ sudo mkdir –p /usr/local/hadoop

// Move the Hadoop folder to /usr/local/hadoop

$ sudo mv hadoop-2.7.2 /usr/local/hadoop

// Assigning read and write access to Hadoop folder

$ sudo chown –R hduser:hadoop /usr/local/Hadoop

