# COMMANDS

HADOOP INSTALL

# HADOOP VERSION – 2.G.0 JAVA – 8 (1.8.0)

**WORKS ON ANY UBUNTU VERSION NO HDUSER REǪUIRED**

## ### Installing and moving (make sure the java version is same as given below)

sudo apt install openjdk-8-jdk -y java -version

sudo apt install ssh -y ssh-keygen -t rsa -P ""

cat ~/.ssh/id\_rsa.pub >> ~/.ssh/authorized\_keys chmod 600 ~/.ssh/authorized\_keys

ssh localhost

tar -xzf hadoop-2.9.0.tar.gz

sudo mv hadoop-2.9.0 /usr/local/hadoop

## ### Set Environment Variables

nano ~/.bashrc **### go to end and paste it**

export JAVA\_HOME=/usr/lib/jvm/java-8-openjdk-amd64 export HADOOP\_HOME=/usr/local/hadoop

export PATH=$PATH:$HADOOP\_HOME/bin export PATH=$PATH:$HADOOP\_HOME/sbin

export HADOOP\_MAPRED\_HOME=$HADOOP\_HOME

export HADOOP\_COMMON\_HOME=$HADOOP\_HOME export HADOOP\_HDFS\_HOME=$HADOOP\_HOME

export YARN\_HOME=$HADOOP\_HOME

export HADOOP\_COMMON\_LIB\_NATIVE\_DIR=$HADOOP\_HOME/lib/native export HADOOP\_OPTS="-Djava.library.path=$HADOOP\_HOME/lib"

export HADOOP\_CONF\_DIR=/usr/local/hadoop/etc/hadoop source ~/.bashrc

## ## Step 3: Configure Hadoop

cd $HADOOP\_HOME/etc/hadoop

nano core-site.xml

<configuration>

<property>

<name>fs.defaultFS</name>

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

</property>

</configuration>

nano hdfs-site.xml

<configuration>

<property>

<name>dfs.replication</name>

<value>1</value>

</property>

<property>

<name>dfs.namenode.name.dir</name>

<value>file:///usr/local/hadoop/hdfs/namenode</value>

</property>

<property>

<name>dfs.datanode.data.dir</name>

<value>file:///usr/local/hadoop/hdfs/datanode</value>

</property>

<property>

<name>dfs.namenode.rpc-address</name>

<value>localhost:9000</value>

</property>

<property>

<name>dfs.namenode.http-address</name>

<value>localhost:9870</value>

</property>

</configuration>

cp mapred-site.xml.template mapred-site.xml nano mapred-site.xml

<configuration>

<property>

<name>mapreduce.framework.name</name>

<value>yarn</value>

</property>

</configuration>

nano yarn-site.xml

<configuration>

<property>

<name>yarn.resourcemanager.address</name>

<value>localhost:8032</value>

</property>

<property>

<name>yarn.nodemanager.aux-services</name>

<value>mapreduce\_shuffle</value>

</property>

</configuration>

nano hadoop-env.sh

export JAVA\_HOME=/usr/lib/jvm/java-8-openjdk-amd64 hdfs namenode -format

start-dfs.sh start-yarn.sh

go to [http://localhost:9870](http://localhost:9870/) for Hadoop dashboard and [http://localhost:8088](http://localhost:8088/) for manager