* sudo bash
* apt install default-jdk -y
* apt install openssh-server openssh-client -y
* wget <https://dlcdn.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz>
* tar -xvzf hadoop-3.2.4.tar.gz
* sudo mv hadoop-3.2.4 /opt/hadoop
* sudo mkdir /opt/hadoop/logs
* ssh-keygen -t rsa
* sudo cat ~/.ssh/id\_rsa.pub >> ~/.ssh/authorized\_keys
* sudo chmod 640 ~/.ssh/authorized\_keys
* ssh localhost
* nano ~/.bashrc
* source ~/.bashrc
* cd /opt/Hadoop/etc/Hadoop
* nano hadoop-env.sh

export HDFS\_NAMENODE\_USER=root

export HDFS\_DATANODE\_USER=root

export HDFS\_SECONDARYNAMENODE\_USER=root

export YARN\_RESOURCEMANAGER\_USER=root

export YARN\_NODEMANAGER\_USER=root

export JAVA\_HOME=/lib/jvm/java-11-openjdk-amd64

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

export HADOOP\_HOME=/opt/hadoop

export HADOOP\_INSTALL=$HADOOP\_HOME

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

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

* nano core-site.xml
* nano hdfs-site.xml
* nano mapred-site.xml
* nano yarn-site.xml
* start-all.sh
* hadoop com.sun.tools.javac.Main WordCount.java
* jar cf wc.jar WordCount\*.class
* hdfs dfs -put filename with path full path specified /
* hadoop jar (Wordcount file path) (txt file) (output dir)
* hdfs dfs -cat /output/part-00000