[How to ssh from one ec2 instance to another?](https://superuser.com/questions/1135766/how-to-ssh-from-one-ec2-instance-to-another)

**Method 2 - Create new keys**

On each server run:

ssh-keygen

Hit enter enter enter. You'll have two files:

.ssh/id\_rsa

.ssh/id\_rsa.pub

On *Server A*, cat and copy to clipboard the public key:

cat ~/.ssh/id\_rsa.pub

[select and copy to your clipboard]

ssh into *Server B*, and append the contents of that to the it's authorized\_keys file:

cat >> ~/.ssh/authorized\_keys

[paste your clipboard contents]

[ctrl+d to exit]

Now ssh from server A:

ssh -i ~/.ssh/id\_rsa private.ip.of.other.server

Hadoop Installation

sudo apt install openjdk-8-jdk

/usr/lib/jvm/java-11-openjdk-amd64/

1. wget **http://apache.claz.org/hadoop/common/hadoop-2.8.5/hadoop-2.8.5.tar.gz** -P ~/Downloads
2. cd Downloads
3. tar -zxvf hadoop-3.0.3.tar.gz
4. mv hadoop. /usr/local
5. update-alternatives --config java
6. readlink -f $(which java) => to find the default Java path
7. Hadoop Environment Variables

## START

# Hadoop Environment Variables

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\_CONF\_DIR=/usr/local/hadoop/etc/hadoop

#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"

## END

1. Load Variables using “. ~/.bashrc”
2. source ~/.bashrc
3. Hadoop Configuration Files
   * # $HADOOP\_CONF\_DIR/hadoop-env.sh change -> JAVA\_HOME
   * export JAVA\_HOME= /usr/lib/jvm/java-8-openjdk-amd64
4. # $HADOOP\_CONF\_DIR/core-site.xml change configuration element
   * Change the namenode\_public\_dns to your NameNode Public DNS

<configuration>

<property>

<name>fs.defaultFS</name>

<values>hdfs://ec2-52-14-242-133.us-east-2.compute.amazonaws.com:9000</values>

</property>

</configuration>

1. # $HADOOP\_CONF\_DIR/yarn-site.xml change configuration element

# change the namenode\_public\_dns to your NameNode Public DNS

1. Echo $(hostname)
2. sudo chown -R ubuntu /usr/local/hadoop/
3. sudo chown ubuntu /etc/hosts
4. sudo chown root /etc/hosts
5. sudo mkdir -p $HADOOP\_HOME/hadoop\_data/hdfs/namenode
6. echo "namenode" | cat >> /usr/local/hadoop/etc/hadoop/masters
7. sudo rm /usr/local/hadoop/etc/hadoop/slaves
8. echo "datanode1" | cat >> /usr/local/hadoop/etc/hadoop/slaves
9. DATANODE:
   * sudo mkdir -p $HADOOP\_HOME/hadoop\_data/hdfs/datanode
   * sudo chown -R ubuntu $HADOOP\_HOME

namenode-dsn namenode-hostname

namenode ec2-18-191-36-102.us-east-2.compute.amazonaws.com ip-172-31-34-15

datanode1 ec2-18-188-79-203.us-east-2.compute.amazonaws.com ip-172-31-33-170

datanode2 ec2-3-16-11-39.us-east-2.compute.amazonaws.com ip-172-31-36-174

datanode3 ec2-13-58-92-147.us-east-2.compute.amazonaws.com ip-172-31-37-141