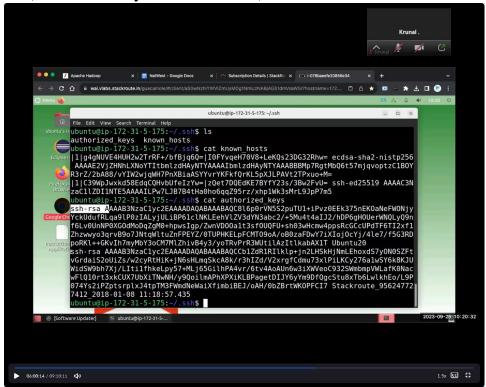
## Single Node Hadoop Setup

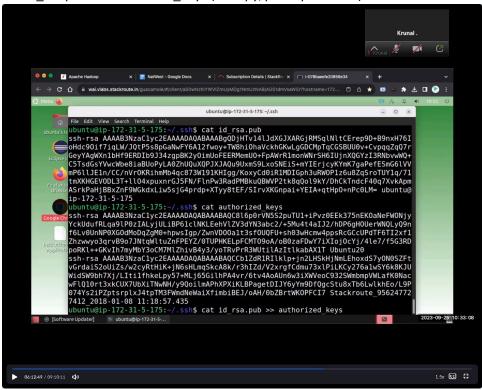
First check in terminal: java -version

- ssh localhost (enter)
- Give ubuntu password
- Exit
- Pwd(check for home directory)
- Ls
- 1s −a
- ls –a | grep ssh
- Cd .ssh/
- Ls (authorised keys, known\_hosts)

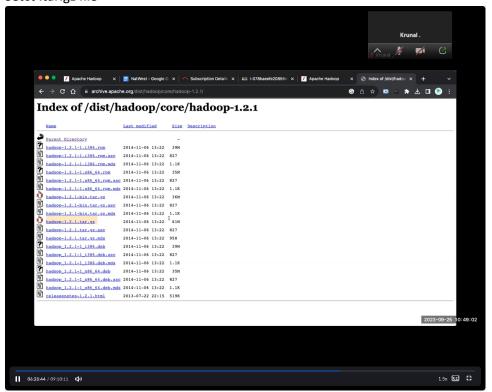


- Cd
- Ls
- Ssh –keygen
- Cd .ssh
- Ls
- Cat id\_rsa
- Cat id\_rsa.pub

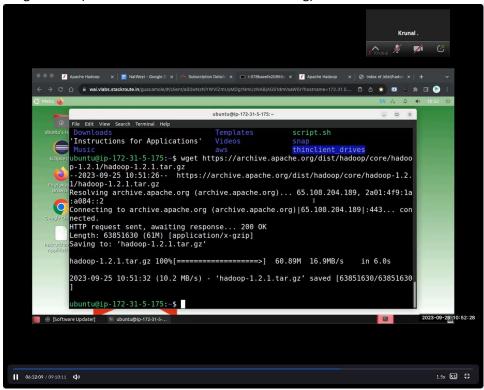
Cat id\_rsa.pub >> auhtorised\_keys (to copy/paste password)



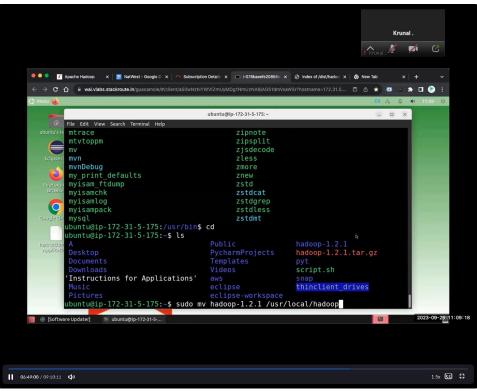
- Cat authorised keys
- Sudo apt update
- Website: Apache hadoop (archive hadoop)2<sup>nd</sup> link()
- Setct .tar.gz file



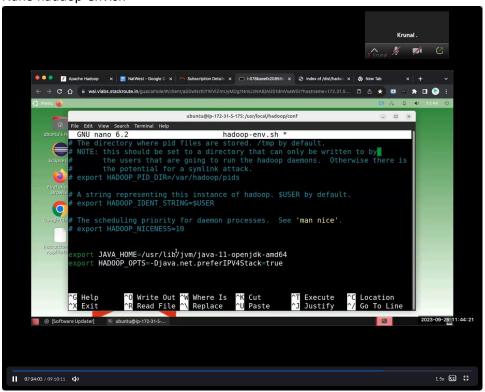
Weget & link(in terminal link will start downloading)



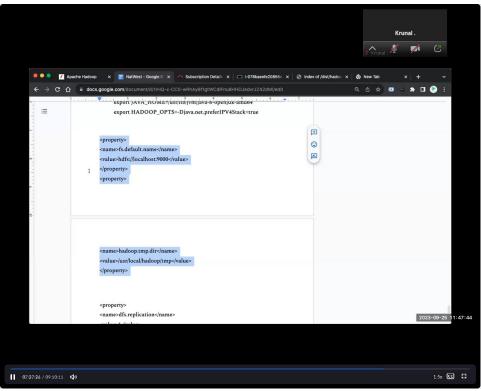
- Whereis jdk
- Whereis java
- Cd /usr/lib/jvm
- Ls
- Cd java-11-oopenjdk-amd64/
- Is
- Pwd
- Ls
- Tar –xzvf hadoop-1.2.1.tar.gaz
- Ls
- Cd /usr/bin
- Ls
- •
- •
- Sudo mv hadoop-1.2.1 /usr/local/hadoop
- /usr/lib/jvm/java-1.17.0-openjdk-amd64



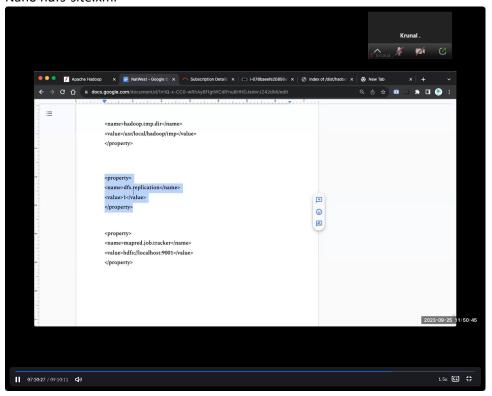
- Cd /usr/loacl/hadoop
- Ls
- Cd conf/
- Ls
- Nano haddop-env.sh



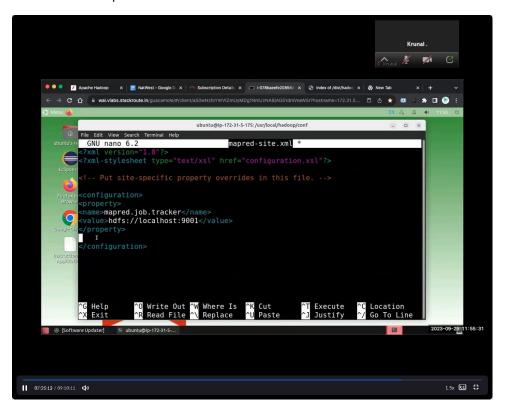
Nano core-site.xml



• Nano hdfs-site.xml



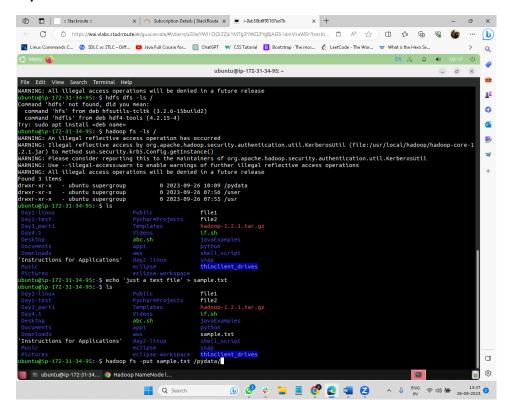
\* nano mapred.xml



- Cat hadoop-env.sh
- Cd ..
- /usr/loal/hadoop/: Ls
- /usr/local/haddop: Mkdir tmp
- 19
- Cd conf
- Ls
- Nano .bashrc
- Command to be added to .bashrc:
- export HADOOP\_PREFIX=/usr/local/hadoop/
- export PATH=\$PATH:\$HADOOP\_PREFIX/bin
- export JAVA\_HOME=/usr/lib/jvm/java-11-openjdk-amd64
- export PATH=\$PATH:\$JAVA\_HOME
- \_\_\_\_\_
- Exec bash
- Hadoop namenode -format
- Start-all.sh
- Ui for hadoop

```
| Description |
```

## 26/09



```
Day1-linux Documents

Day3-part1 'Instructions for Applications' Templates

Day4-1 Music

Desktop

WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.will.KerberosUtil (file Day1-linux Documents

Day1-linux Documents

Desktop

WARNING: Illegal reflective access peration has occurred

WARNING: Please consider reporting this to the maintainers of org.apache.hadoop.security.authentication.will.KerberosUtil (file Day1-linux Documents

Day1-linux Hadoop-1.2.1.tar.g

Hile1

Day1-linux Hadoop-1.2.1.tar.g

Hile2

Day2-linux Hadoop-1.2.1.tar.g

Hile3

Day1-linux Hadoop-1.2.1.tar.g

Hile3
```

## https://archive.apache.org/dist/kafka/3.5.1/kafka 2.13-3.5.1.tgz

```
rw-r--r-- 1 ubuntu supergroup
                                           17 2023-09-26 10:18 /pydata
ubuntu@ip-172-31-34-95:~$ cd
ubuntu@ip-172-31-34-95:~$ ls
                                                 Public
Day3_part1
             'Instructions for Applications'
                                                 Templates
                                                                    day
                                                 Videos
                                                 abc.sh
ubuntu@ip-172-31-34-95:~$ wget https://archive.apache.org/dist/kafka
--2023-09-26 10:55:24-- https://archive.apache.org/dist/kafka/3.5.1
Resolving archive.apache.org (archive.apache.org)... 65.108.204.189,
Connecting to archive.apache.org (archive.apache.org)|65.108.204.189
HTTP request sent, awaiting response... 200 OK
ength: 106748875 (102M) [application/x-gzip]
Saving to: 'kafka_2.13-3.5.1.tgz'
kafka 2.13-3.5.1.tgz
                                   2023-09-26 10:55:32 (13.3 MB/s) - 'kafka_2.13-3.5.1.tgz' saved [1067
ubuntu@ip-172-31-34-95:~$ ls | grep kafka
cafka_2.13-3.5.1.tgz
ubuntu@ip-172-31-34-95:~$ tar -xzvf kafka_2.13-3.5.1.tgz
```