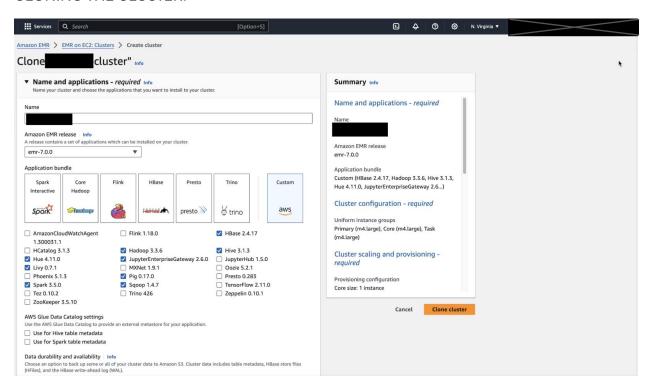
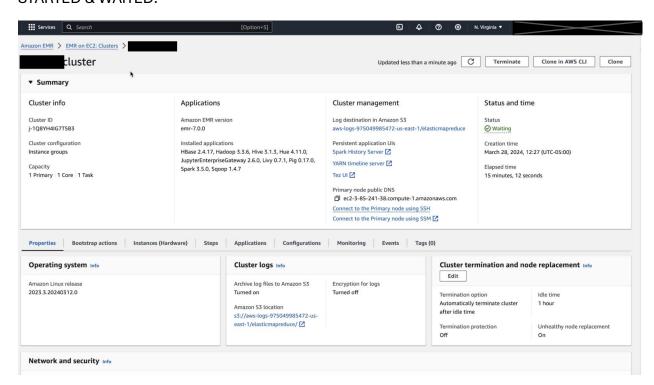
CLONING THE CLUSTER:



STARTED & WAITED:



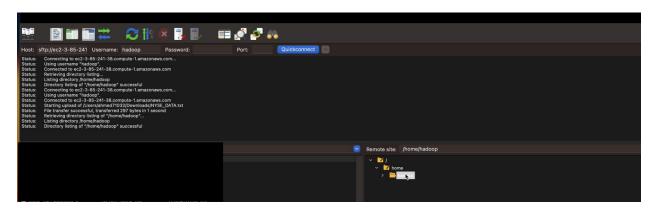
```
— hadoop@ip-172-31-68-213:~ — ssh -i ~/Downloads/MyNewMacKey.pem hadoop@ec2-3-85-241-38.compute-1..
Last login: Thu Mar 28 12:07:01 on ttys000

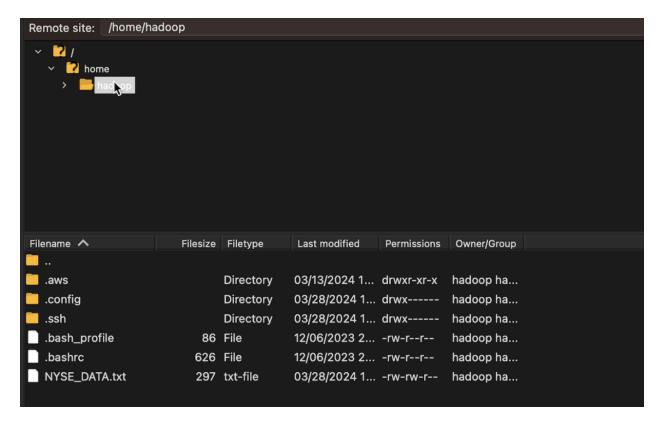
MacBook-Air ~ % ssh -i ~/Downloads/MyNewMacKey.pem hadoop@ec2-3-85-241-38.compute-1.amazonaws.com
The authenticity of host 'ec2-3-85-241-38.compute-1.amazonaws.com (3.85.241.38)' can't be established.
ED25519 key fingerprint is SHA256:zh7U2tcYBIIF1eyO3rlzk41J8oCSdSk5z+diISrhroo.
This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'ec2-3-85-241-38.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
A newer release of "Amazon Linux" is available.
Version 2023.4.20240319:
Run "/usr/bin/dnf check-release-update" for full release and version update info
          #_
                              Amazon Linux 2023
         \_####\
             \###|
\#/
V~' '->
                             https://aws.amazon.com/linux/amazon-linux-2023
         ~~·_·
_/
_/m/'
Last login: Thu Mar 28 17:36:41 2024
M:::::M R:::R
M:::::M R:::R
                                                                                         R::::R
                                                                                         R::::R
                                                           M:::::M RR::::R
MMMMMMM RRRRRRR
                                                                                         RRRRRR
[[hadoop@ip-172-31-68-213 ~]$ ls
[[hadoop@ip-172-31-68-213 ~]$ ls
NYSE_DATA.txt
[hadoop@ip-172-31-68-213 ~]$ nano NYSE_*
[hadoop@ip-172-31-68-213 ~]$ hadoop fs -mkdir MR
```

FILE ZILLA STEPS:





CREATING DIRECTORY AND MAKING EDITS TO THE MAPPER & REDUCER PYTHON FILES AND EXECUTING IT:

```
-hadoop@ip-172-31-68-213:- --zsh - 127x59

2024-83-28 18:18:38,425 INFO mapreduce.Job: map 100% reduce 180%
2024-83-38 18:18:38-425 INFO mapreduce.Job: Job job.171647601769_8001 completed successfully
2024-83-81 18:18:38-425 INFO mapreduce.Job: Job job.171647601769_8001 completed successfully
2024-83-81 18:18:38-425 INFO mapreduce.Job: Journers: 55
File: Number of price red=204
File: Number of
```

```
2024-03-28 18:18:30,553 INFO streaming.StreamJob: Output directory: MR/output
[[hadoop@ip-172-31-68-213 ~]$ hadoop fs -ls MR
Found 2 items
-rw-r--r-- 1 hadoop hdfsadmingroup
drwxr-xr-x - hadoop hdfsadmingroup
                                                   299 2024-03-28 18:10 MR/NYSE_DATA.txt
                                                    0 2024-03-28 18:18 MR/output
[[hadoop@ip-172-31-68-213 ~]$ hadoop fs -ls MR/output
Found 4 items
-rw-r--r- 1 hadoop hdfsadmingroup
-rw-r--r- 1 hadoop hdfsadmingroup
-rw-r--r- 1 hadoop hdfsadmingroup
-rw-r--r- 1 hadoop hdfsadmingroup
                                                     0 2024-03-28 18:18 MR/output/_SUCCESS
                                                    14 2024-03-28 18:18 MR/output/part-00000
                                                    21 2024-03-28 18:18 MR/output/part-00001
                                                     0 2024-03-28 18:18 MR/output/part-00002
[[hadoop@ip-172-31-68-213 ~]$ hadoop fs -cat MR/output/p*
GE
         15
MCD
         175
BAC
         26
CAH
         56
PFE
         45
[hadoop@ip-172-31-68-213 ~]$
Broadcast message from root@localhost (Thu 2024-03-28 18:24:40 UTC):
The system will power off now!
Connection to ec2-3-85-241-38.compute-1.amazonaws.com closed by remote host.
Connection to ec2-3-85-241-38.compute-1.amazonaws.com closed.
```

TERMINATING THE CLUSTER & ENDING THE LAB:

