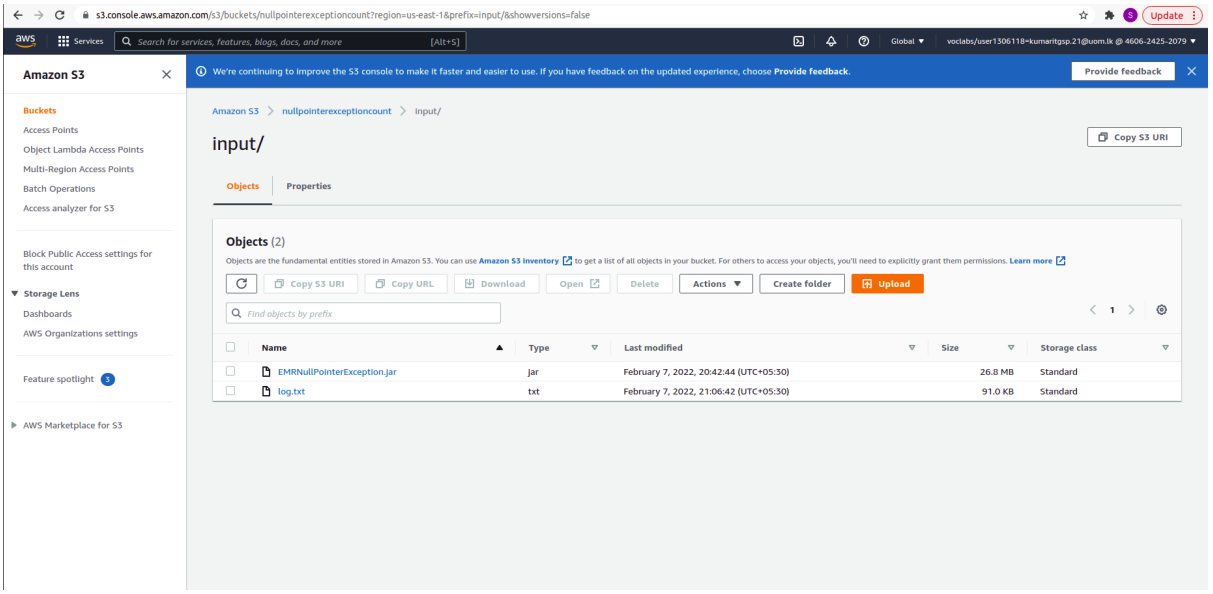
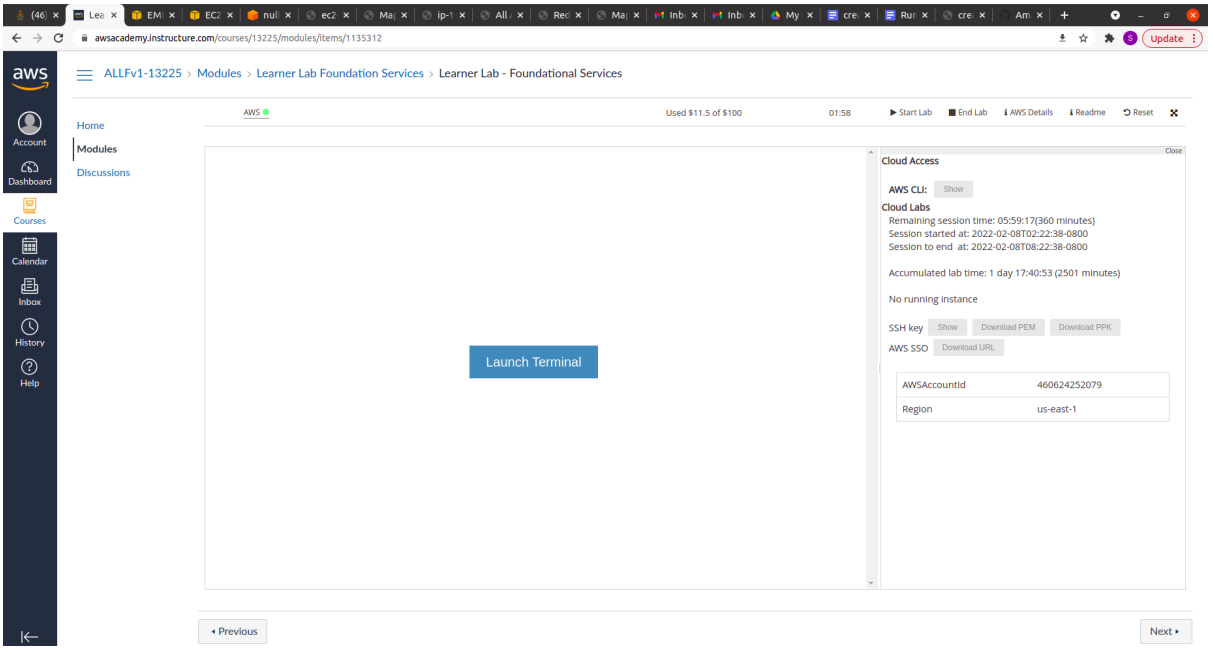
Save executable jar and log file AWS s3 bucket

Step 01 : goto AWS S3 bucket and create a folder . create a input folder and put jar and log file

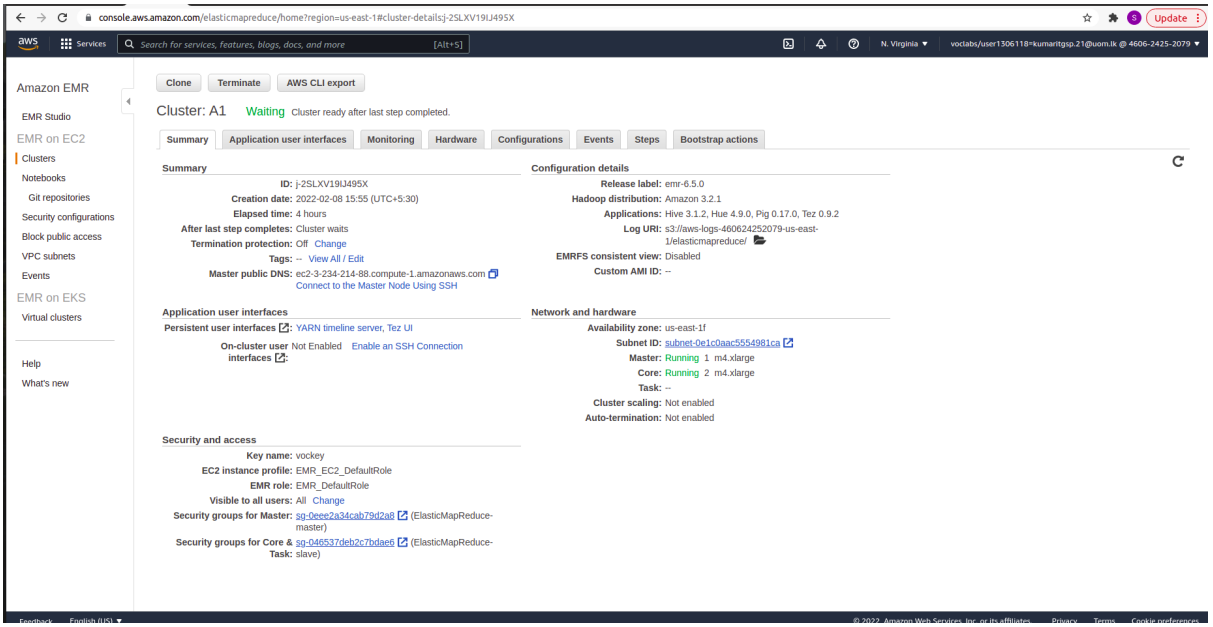


Run application on AWS EMR

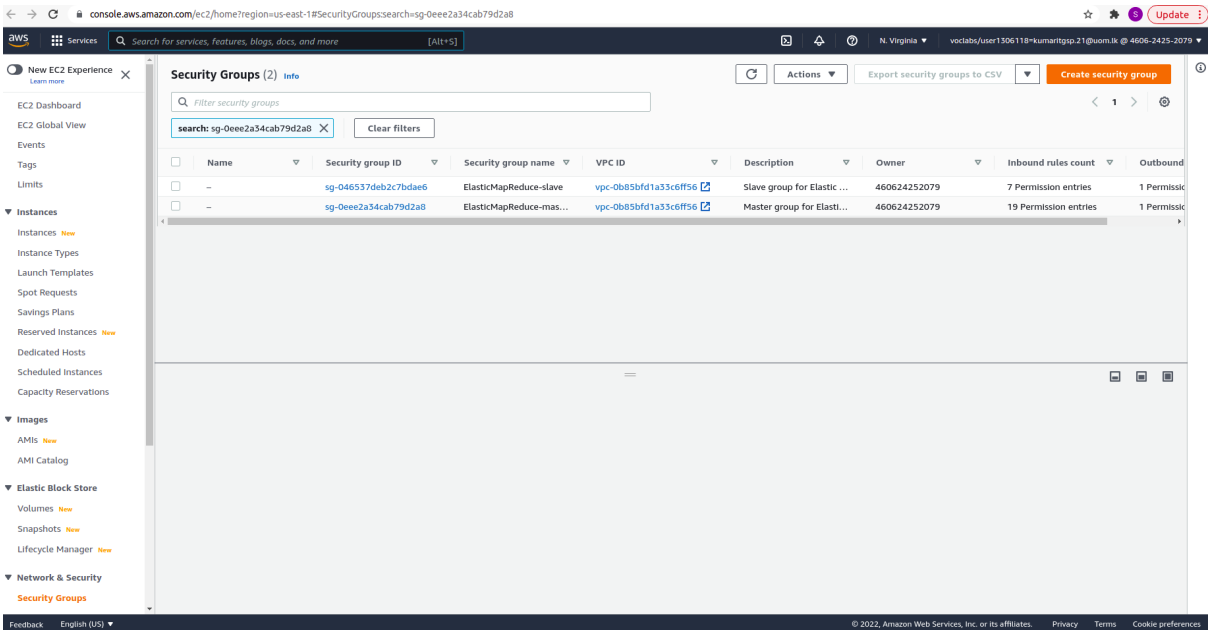
Step 01 : start learner lab



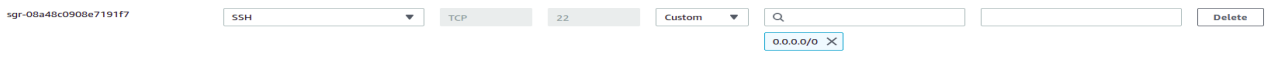
Step 02 : click AWS and create cluster



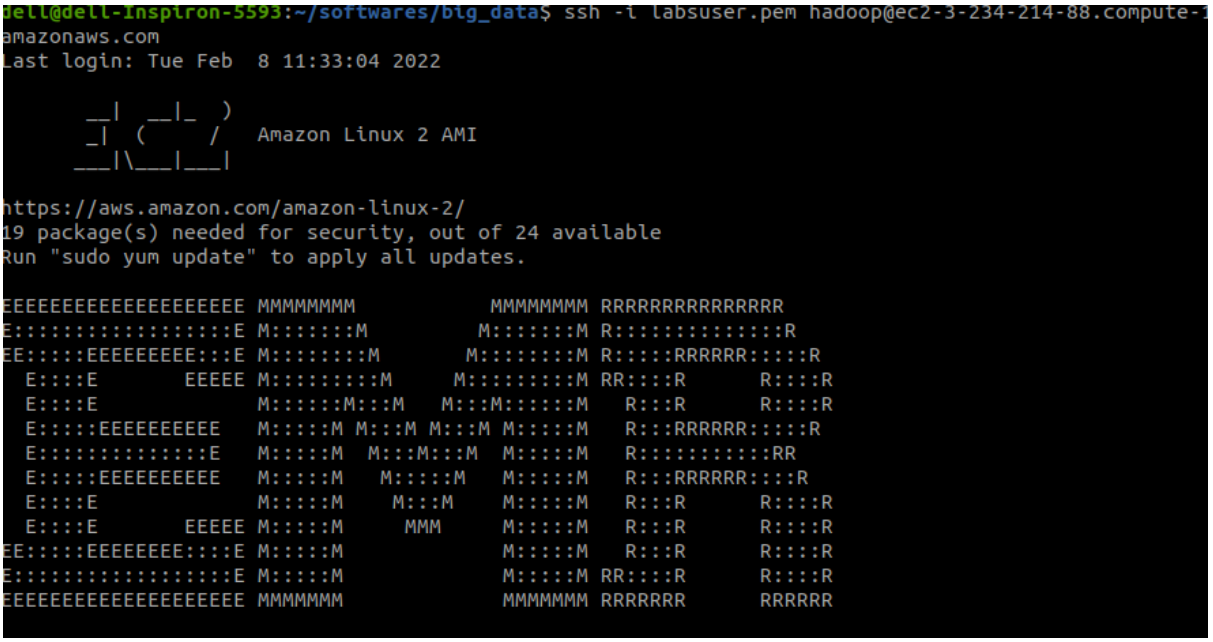
Step 03 : add security group for both master and slave which is in “Security and access” section

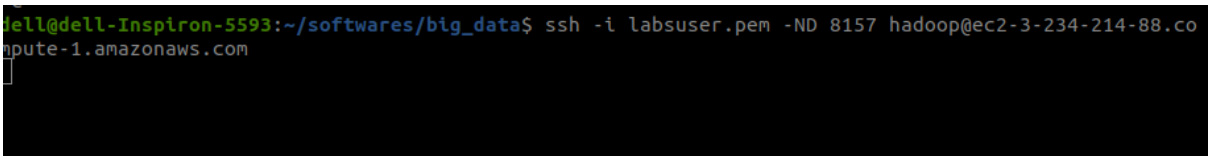


Step 04 : add security group both master and slave as follows

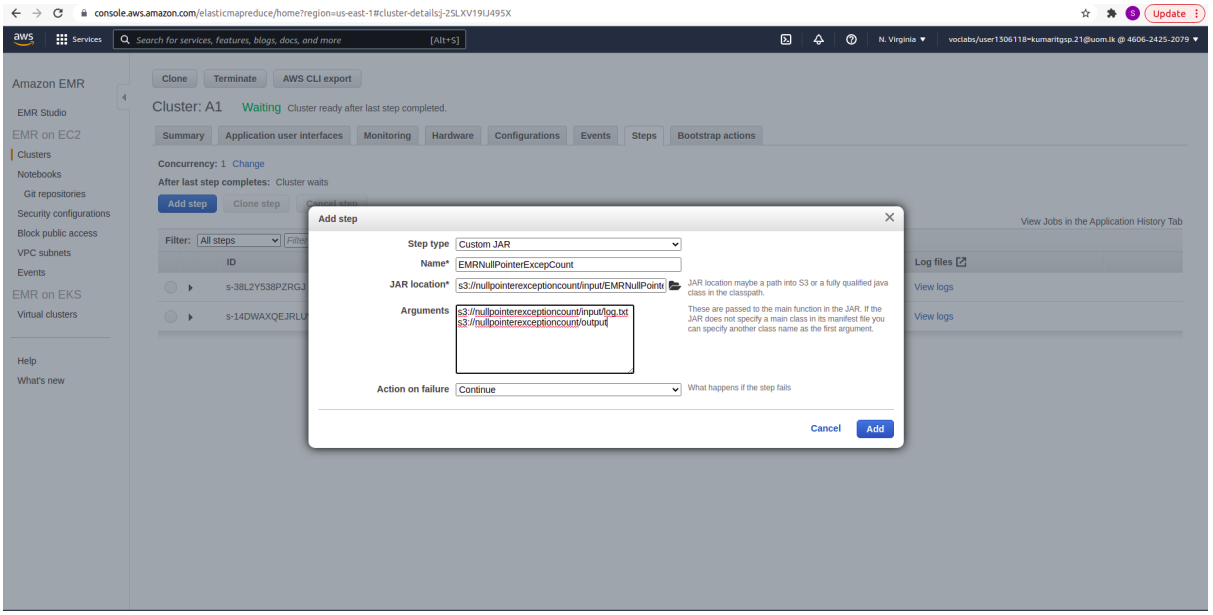


Step 05 : connect to the master node and enable SSH connection

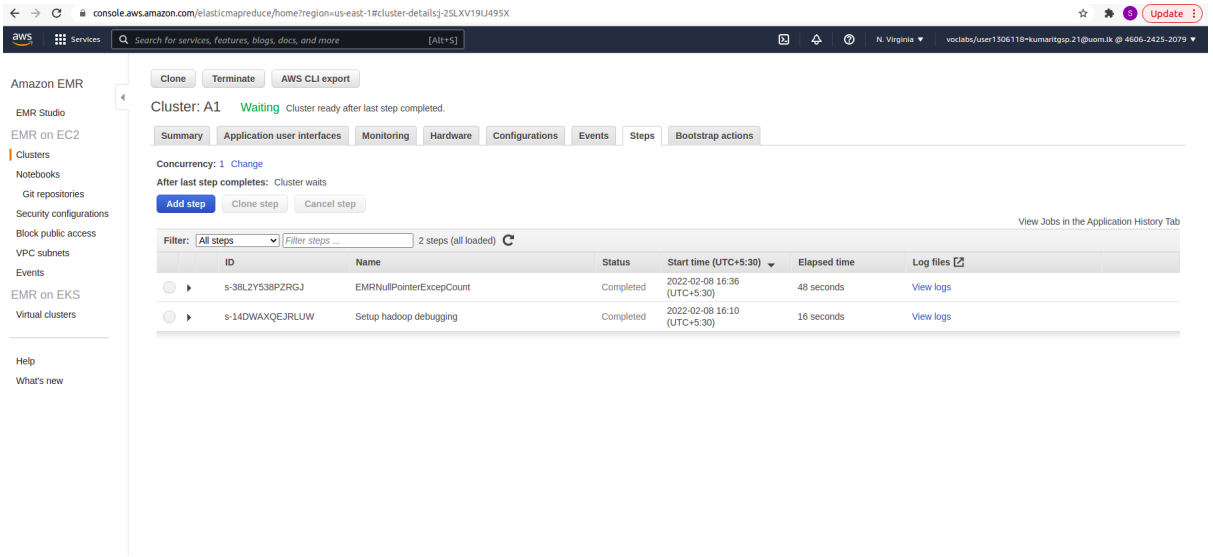




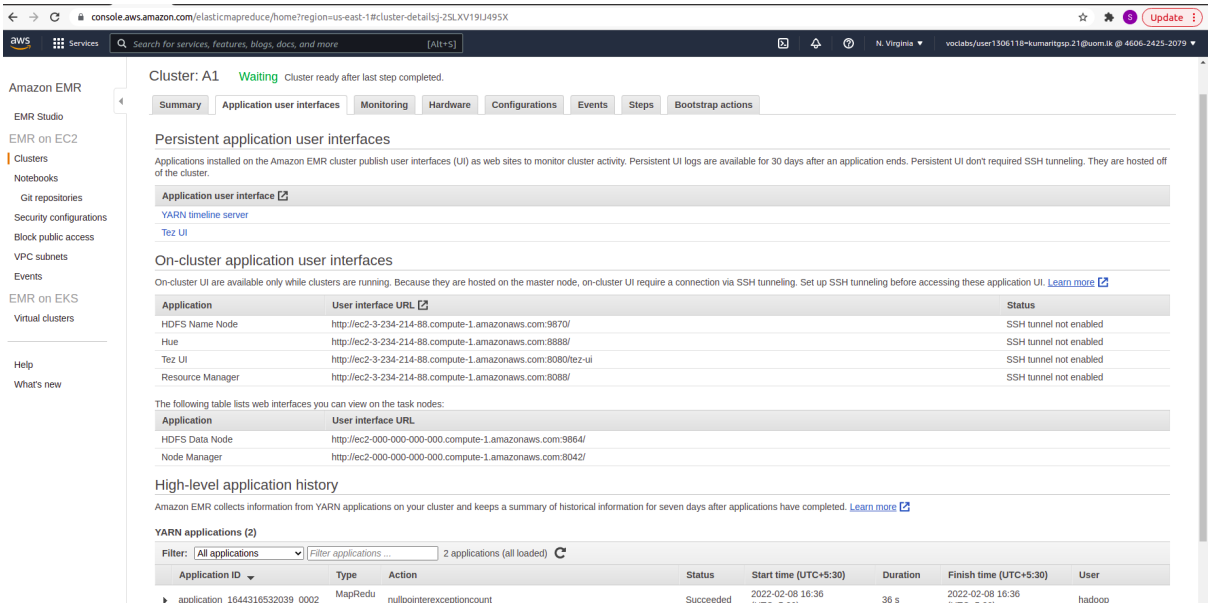
Step 06 : go to cluster and add step as follows



Step 07: after sometime later you can see your map reduce task complete or not

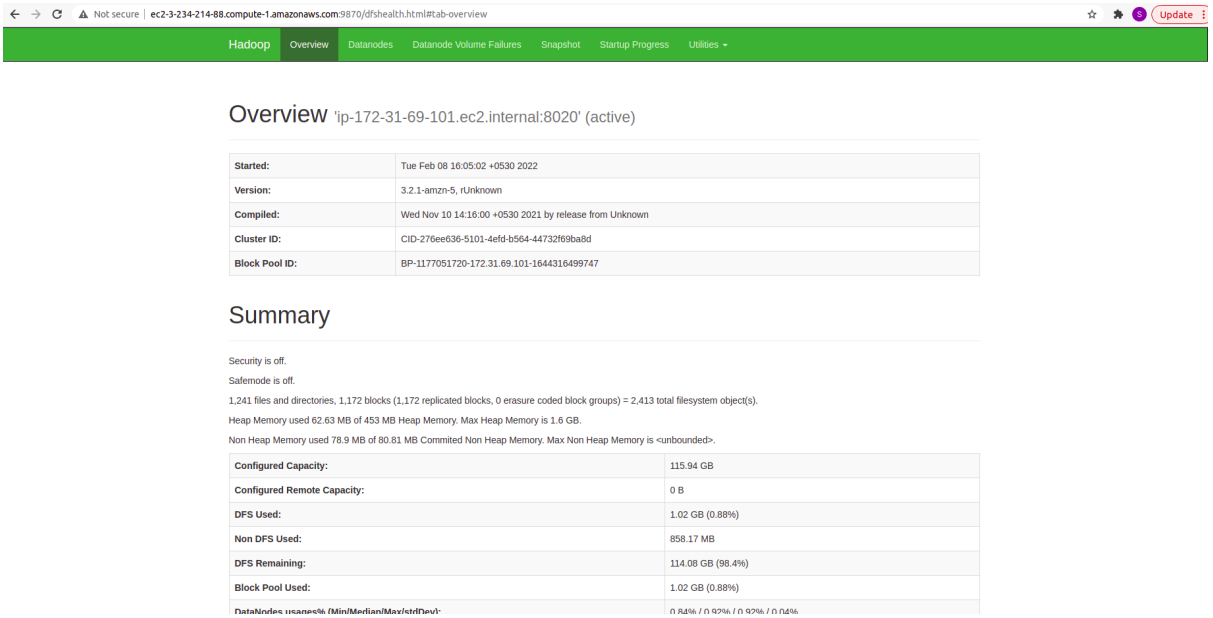


Step 09 : goto the cluster and click the "Application and user interfaces " tab.

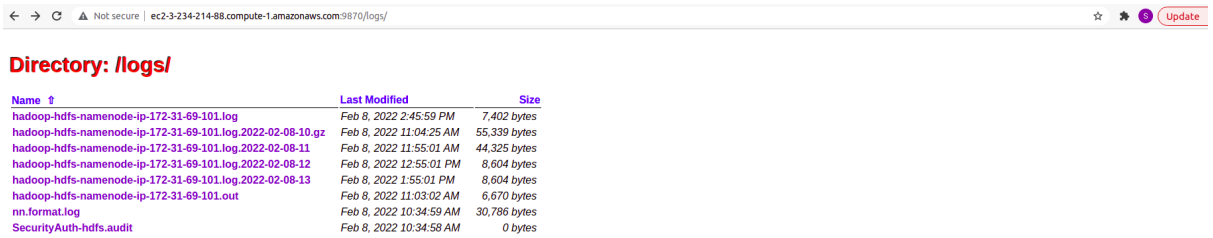


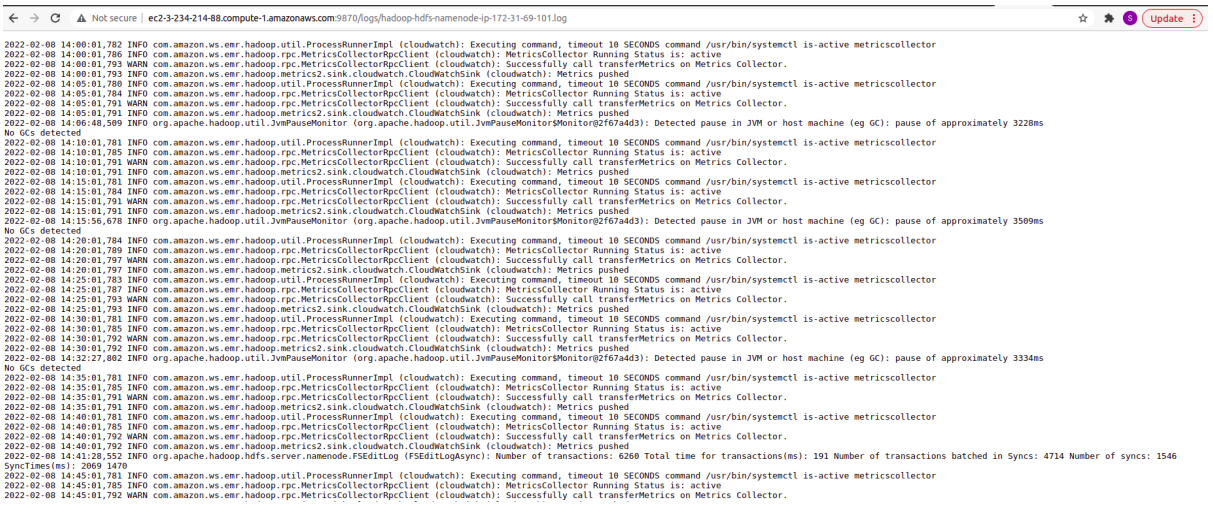
Step 10 : copy "HDFS Name Node" and paste in chrome.

Note: you should install FroxyProxy chrome extension and setup the environment

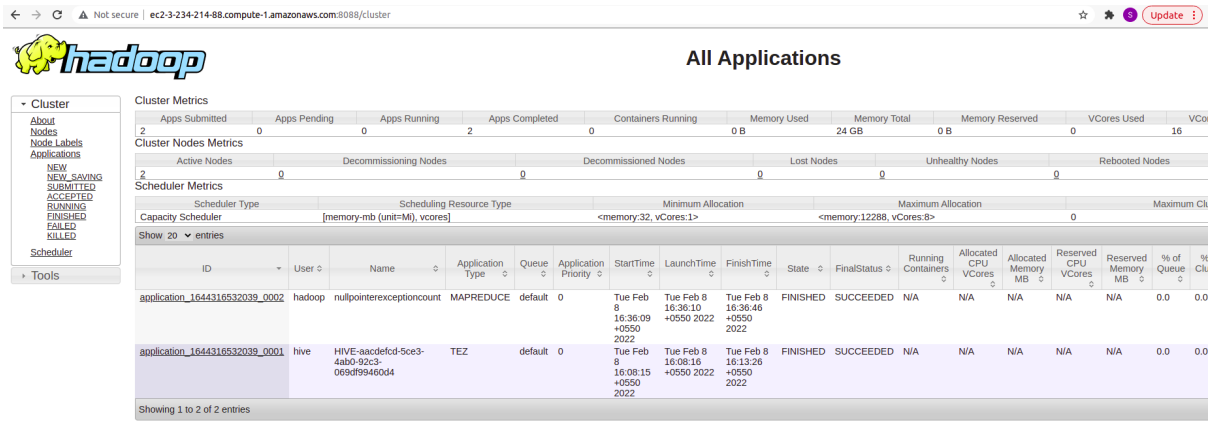


Step 11: you can see logs by clicking utilities -> logs -> log file



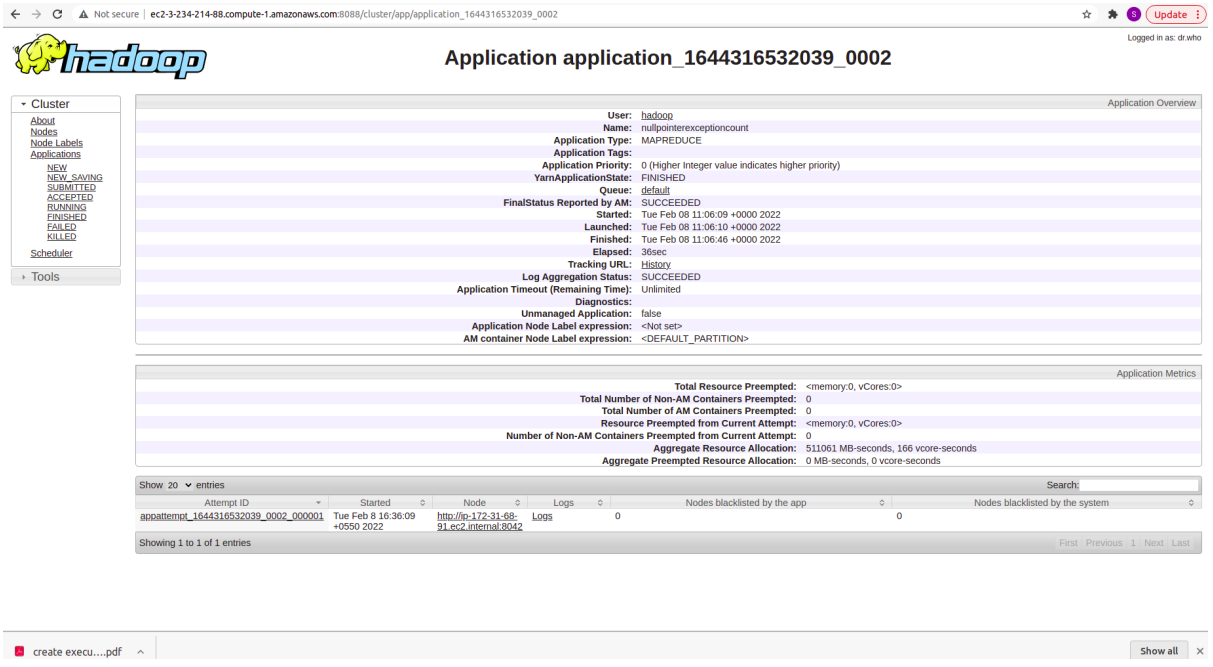


Step 12: again goto the cluster and click the “Application and user interfaces ” tab. Then copy “Resource Manager” and paste in chrome.



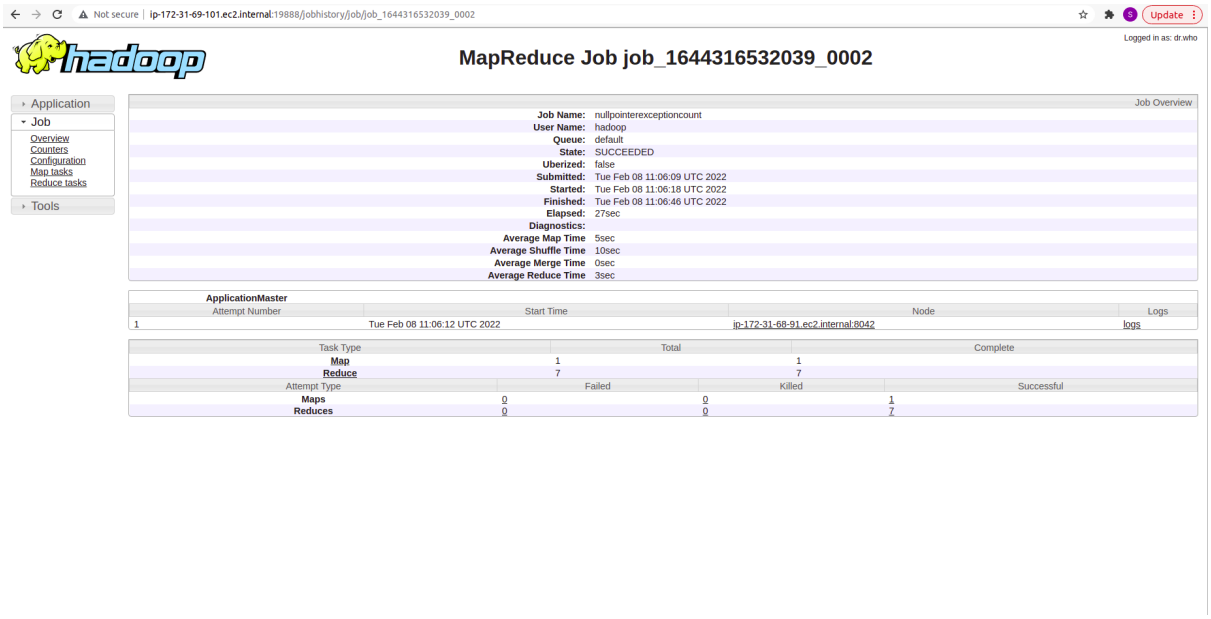
You can see “nullpointerexceptioncount” step is finished or not. Also succeeded or failed

Step 13 : click “ID” and then you will see your task is succeeded and all history details as follows

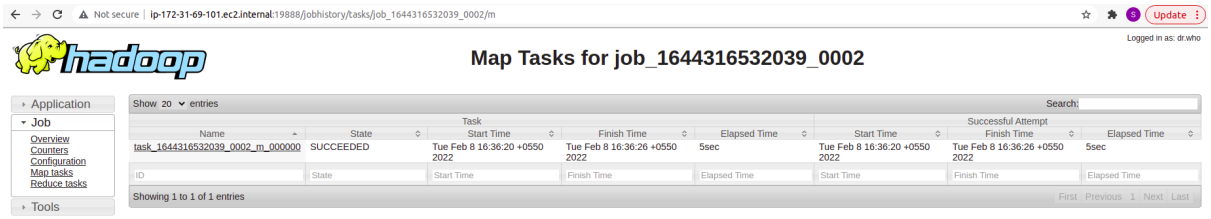


Step 14: click history and you can see the number of Map and number of Reduce .

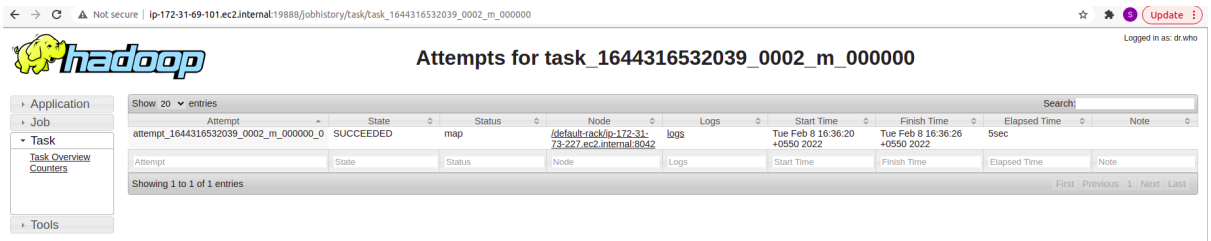
Eg: Map : 1
Reducer : 7



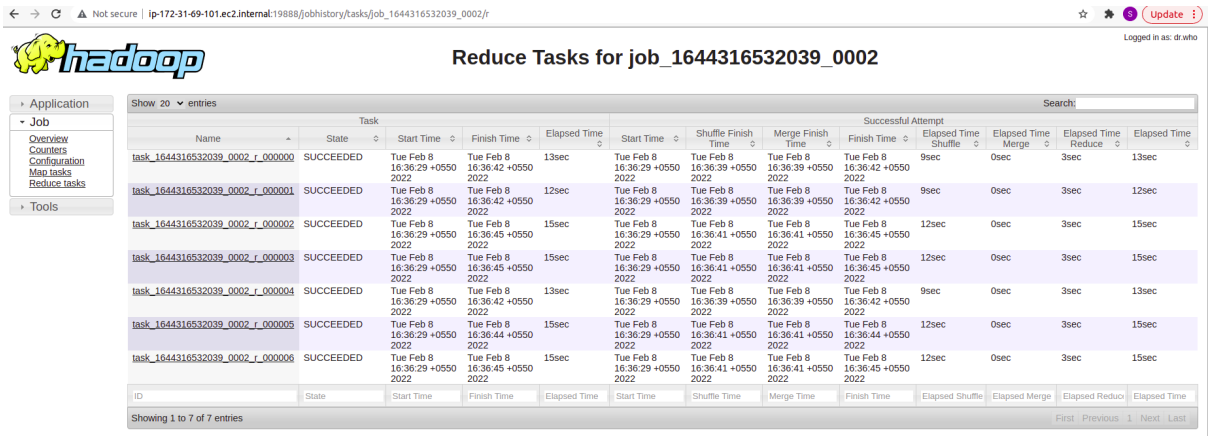
Step 15 : click “Map tasks”



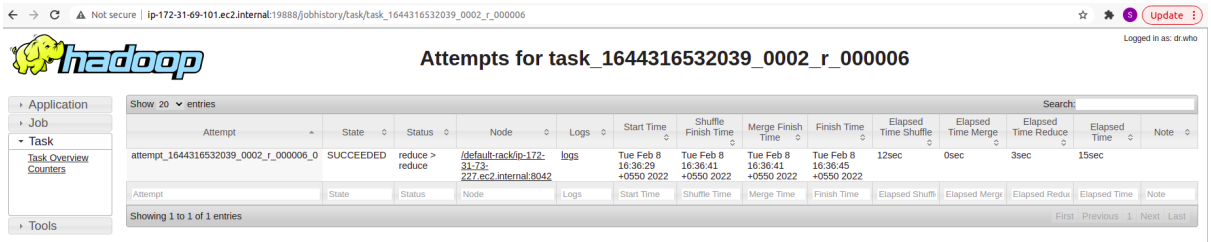
When you click attempt you can see the status



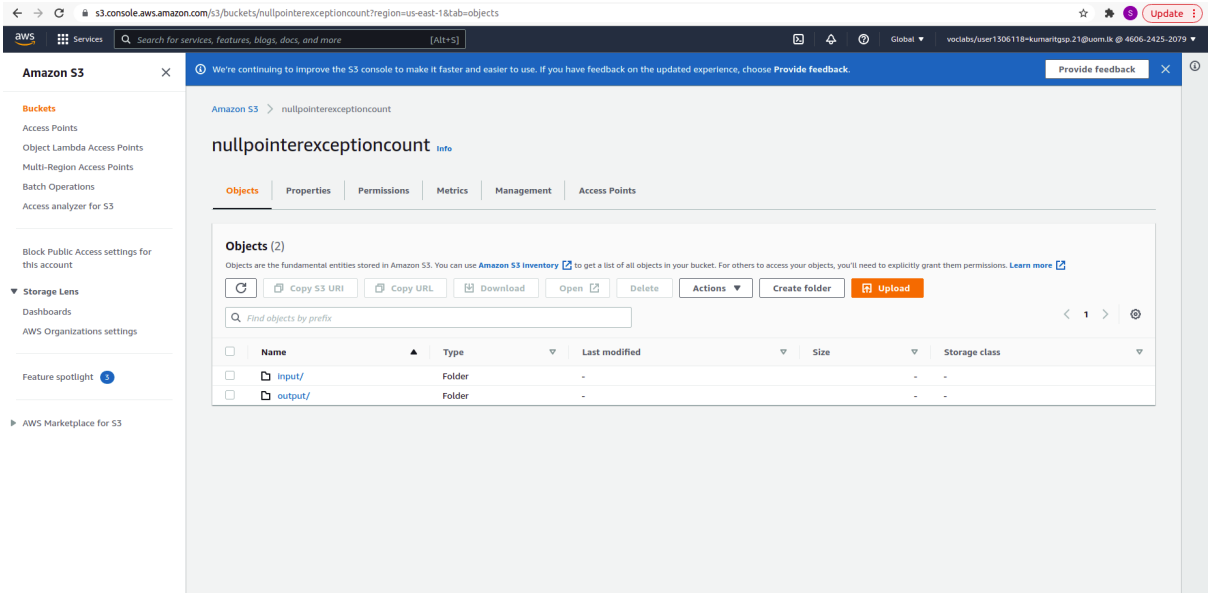
Step 15 : click “Reducer tasks “ can see the status as “SUCCEEDED” or not



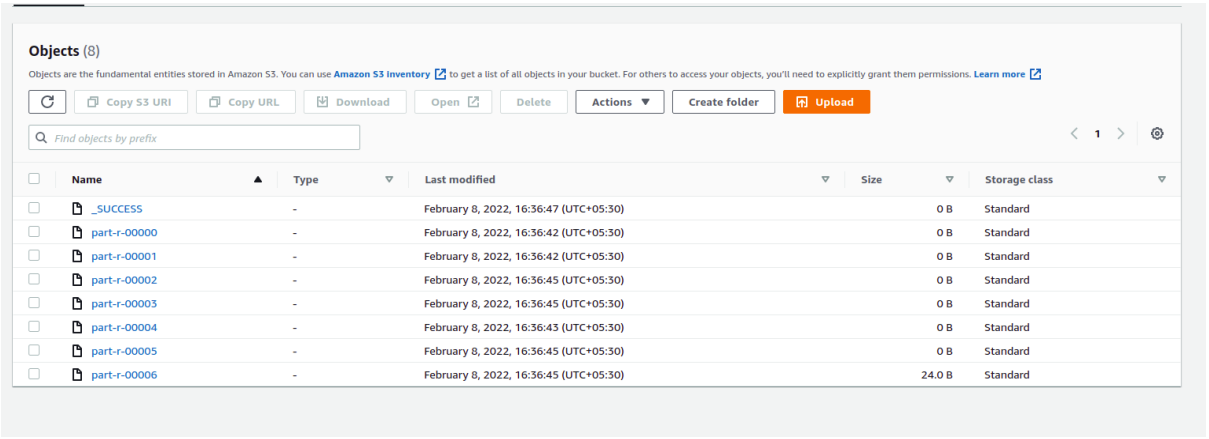
Step 16 : click reducer name and you can see as follows



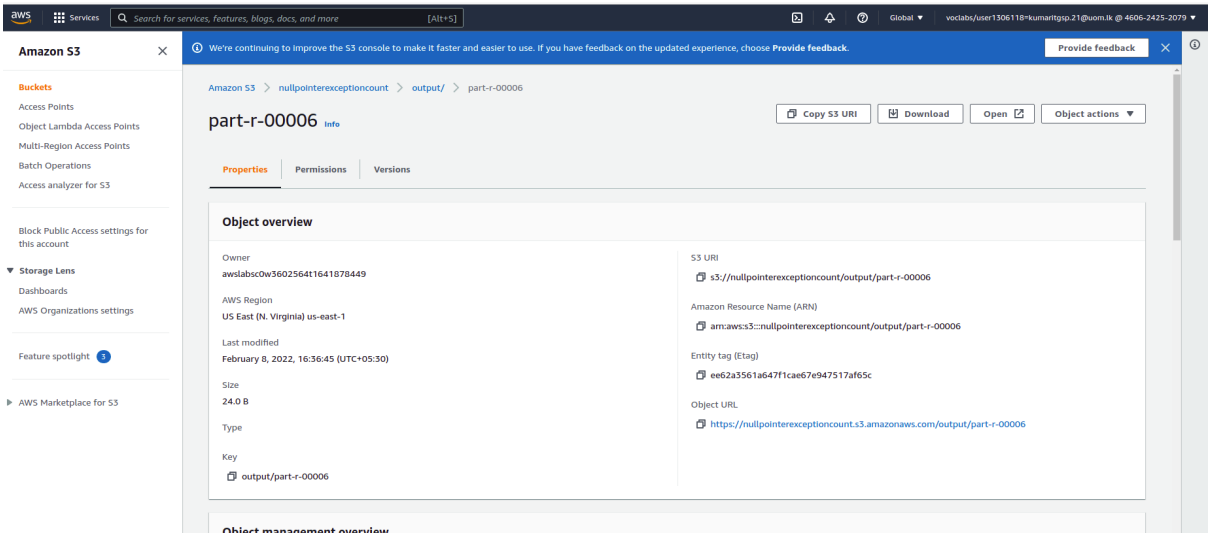
Step 17: goto S3 location and you will see there is “output” directory which was our output destination when we were creating step



Step 18: goto the output directory and you will see the file structure as follows. There are a _SUCCESS file and 7 reducers .



Step 19 : click reducer and you can see the output. In here i clicked “part-r-00006Info” and you will see as follows.



Step 20 : click “open” you can see how many null pointer exceptions are in the log file