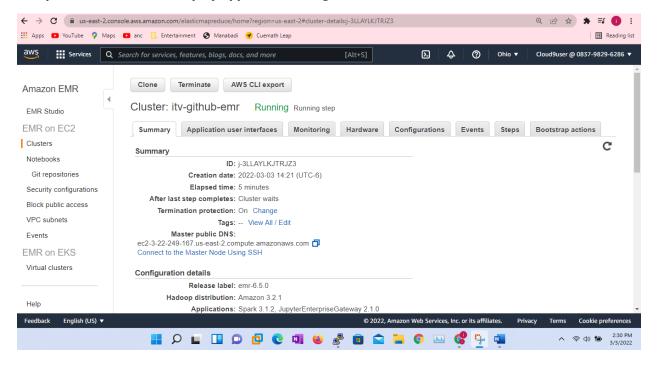
Deploying Spark Application using AWS EMR

Setup the EMR cluster to deploy application using IAM user



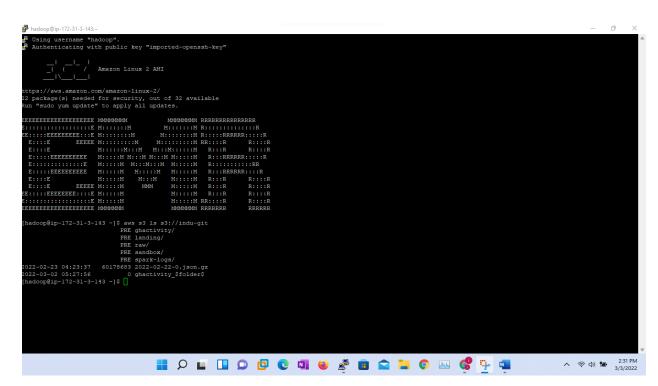
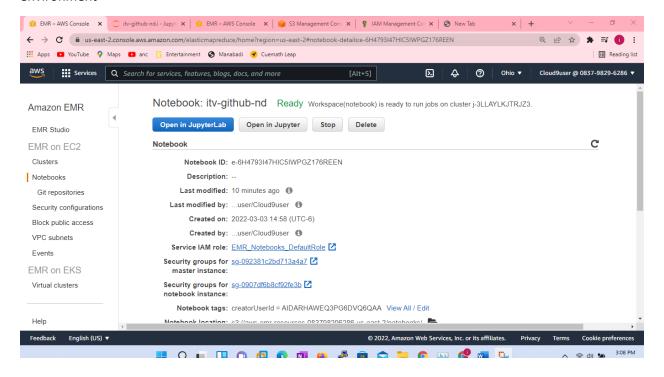


Figure 1validated SSH connectivity to master node of AWS EMR Cluster

I have created the note book on top of the EMR Cluster With that notebook I opened the Jupyter lab environment



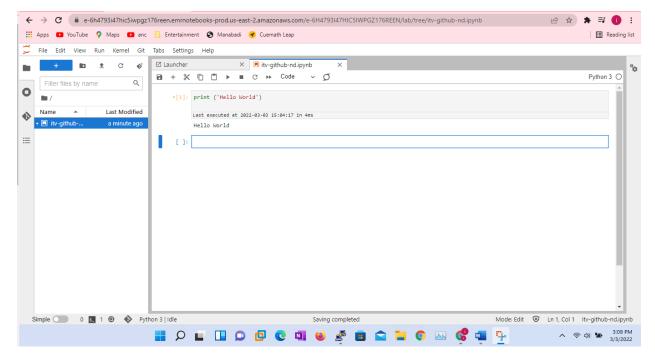


Figure 2Jupyter lab environment

Created the s3 Bucket on aws cli using the command

aws s3 mb s3://indu-github-emr --region us-east-2

Created a directory ghactivity in that folder downloaded the file from ghacive.org

wget https://data.gharchive.org/2021-01-13-{0..23}.json.gz

wget https://data.gharchive.org/2021-01-14-{0..23}.json.gz

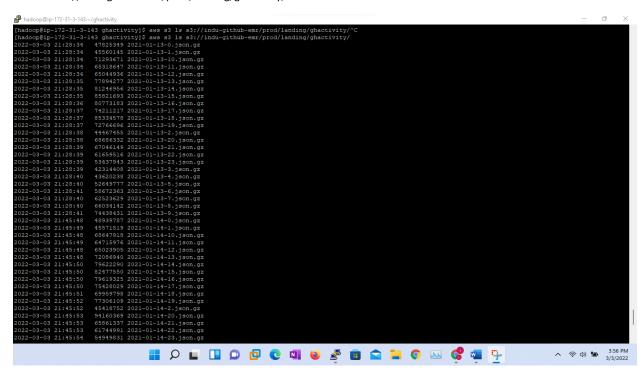
wget https://data.gharchive.org/2021-01-15-{0..23}.json.gz

and I had uploaded the files into s3 bucket indu-github-emr using the command

aws s3 cp . s3://indu-github-emr/prod/landing/ghactivity/ --exclude "*" --include "2021-01-13*" --recursive aws s3 cp . s3://indu-github-emr/prod/landing/ghactivity/ --exclude "*" --include "2021-01-14*" --recursive aws s3 cp . s3://indu-github-emr/prod/landing/ghactivity/ --exclude "*" --include "2021-01-15*" --recursive

if you want to see the list of the files use the command:

aws s3 ls s3://indu-github-emr/prod/landing/ghactivity/



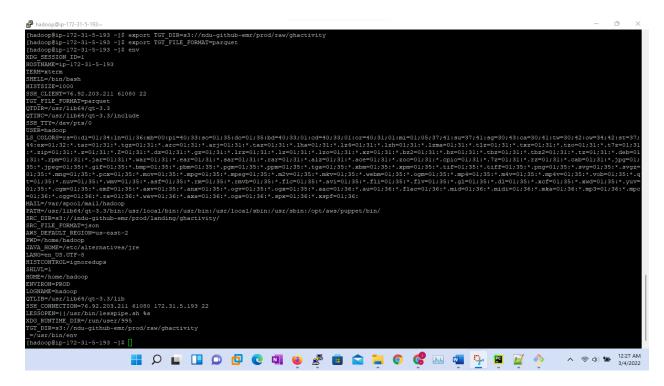


Figure 3Environment variable is set