Lab - Data Processing using EMR Jupyter Notebooks

Step 1: Login to AWS Console and go to EMR

Step 2: Click on create a cluster and give a name or use default. Select Spark under Applications and select m4.large machines(3). Select an EMR version less than 30. Click create cluster and wait till the status changes to **Waiting**

Summary

ID: j-BKFMJCBIVQ85

Creation date: 2021-08-20 22:07 (UTC+5:30)

Elapsed time: 10 minutes

After last step completes: Cluster waits

Termination protection: Off Change

Tags: -- View All / Edit

Master public DNS:

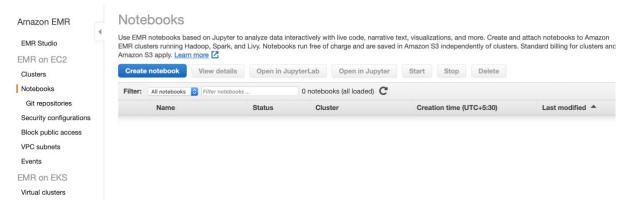
ec2-3-109-155-106.ap-south-1.compute.amazonaws.com

Connect to the Master Node Using SSH

Configuration details

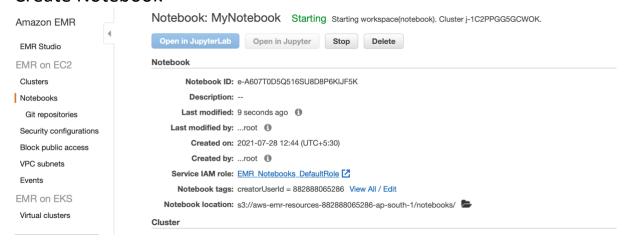
Release label: emr-5.29.0

Step 3: Once the cluster is created Click on the Notebooks on the left side

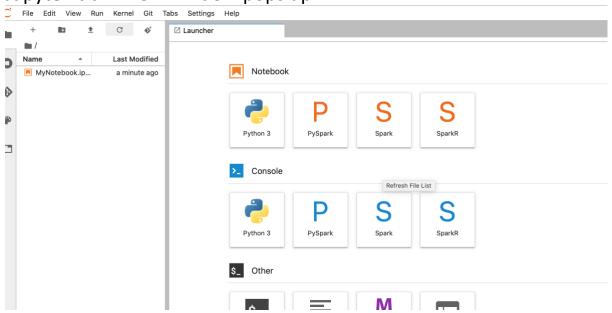


Step 4: Click Create Notebook

Step 5: Give a name to notebook and select the created cluster. Click Create Notebook



Step 6: Once the status changes to Ready, Click on Open in JupyterLab. A new window pops up



Step 7: Select PySpark and you should see an editor. Enter the following code and hit run (Shift+Enter)

lines = spark.read.text("s3://mys3kinesisfirehosebucket/2021/07/20/04/*").rdd print(lines.take(10))