

Analyze Big Data with Hadoop Hadoop Ecosystem Lab 3

Authors:

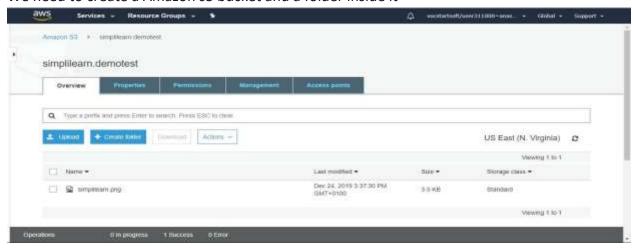
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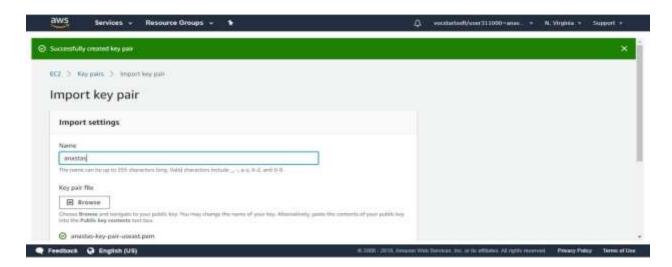
Step 1: Set Up Prerequisites for Sample Cluster

Create an Amazon S3 Bucket

We need to create a Amazon s3 bucket and a folder inside it -



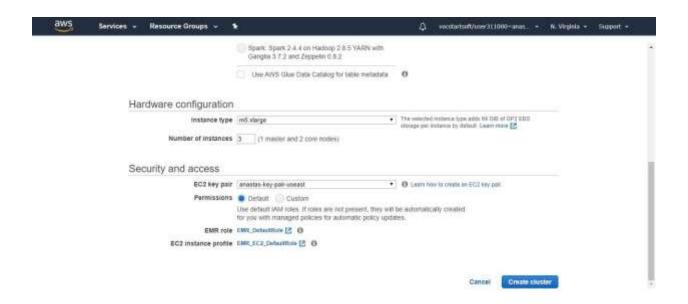
The next step that we need to perform is to create a kay pair.



Step 2: Launch Your Sample Amazon EMR Cluster

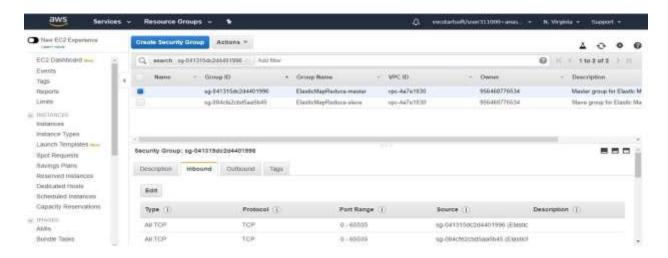
In this step we need to create a cluster and for this we will need the key pair that we created before, here are the steps –

In this step, we launch our sample cluster by using Quick Options in the Amazon EMR console and leaving most options to their default values.



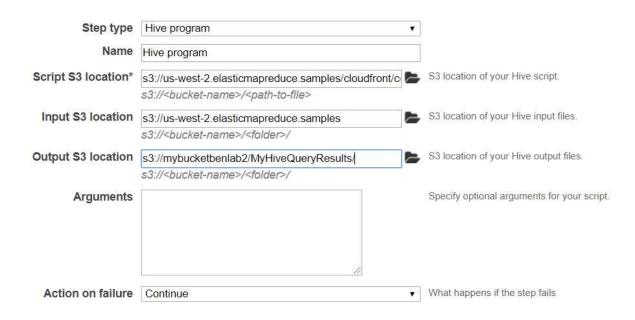
Step 3: Allow SSH Connections to the Cluster From Your Client

In this step we will have to modify the access rights in order to secure the cluster. And than after this we will ssh connection only from our computer.



Step 4: Process Data by Running the Hive Script as a Step

We will Now use Hive script to add data into our cluster, and to perform this we need to add new step in our cluster with given parameter—



We will run HiveScript and after that we will download myhivequery, than when we come back to our bucket we can find the following data –

Android 855

Linux 833

Macos 852

Osx 799

Windows 883

los 794

So the previous operation works now we have added the data.

Step 5: Terminate the Cluster and Delete the Bucket

Now that we have done the demonstration, we can close the bucket and cluster.

