Spark ALS on EMR

In this document I'm recording critical steps on achieving movie recommendation on spark on AWS EC2 instances. Totally there are 3 primary steps as following:

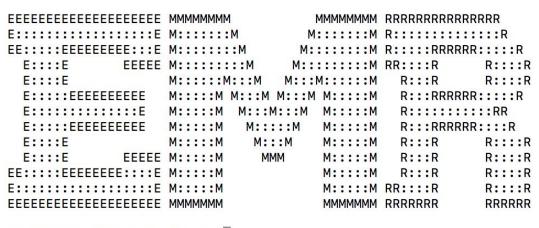
- 1.Set up AWS EMR
- 2. Go to Zeppelin on port 8890
- 3. Achieving movie recommendation with Spark Mllib ALS algorithm

Here we go.

1.Set up AWS EMR

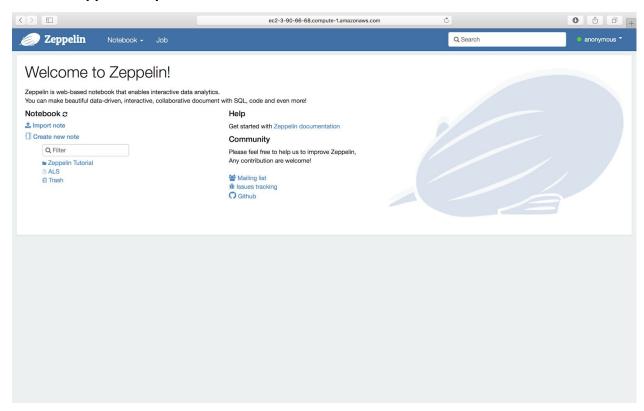
1.1 set AWS EMR and connect it in terminal

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/8 package(s) needed for security, out of 12 available Run "sudo yum update" to apply all updates.



[hadoop@ip-172-31-24-79 ~]\$

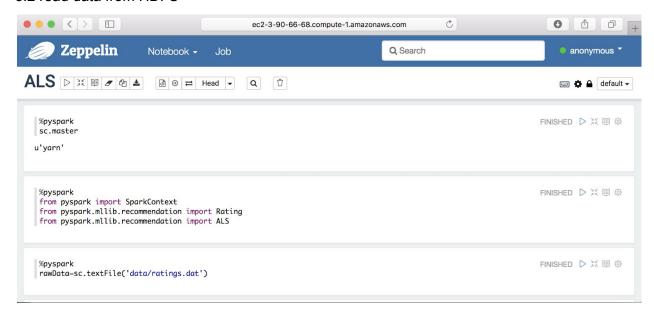
2. Go to Zeppelin on port 8890



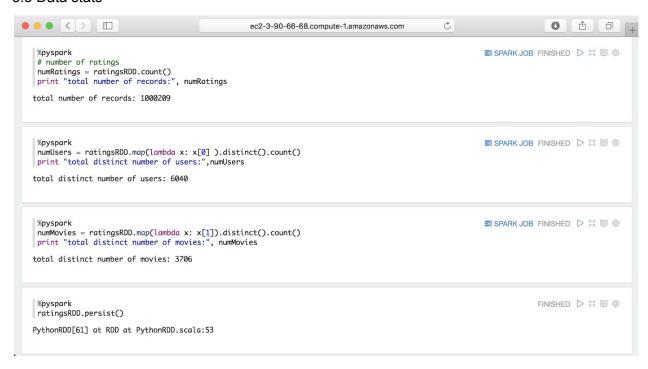
3. Achieving movie recommendation with Spark Mllib ALS algorithm

3.1 download data and save it on HDFS

3.2 read data from HDFS



3.3 Data stats



3.4 model and part of the code

