# Loading Data Into HBase Using PIG Scripts.

Dataset

StudentName,sector,DOB,qalification,score,state,randomName

ABROSER,goverenment,18-11-2002,MBBS,3.5,Pennsylvania,prattville\*

ALEXANDER,goverenment,20-10-2000,BSC,2.5,vermont,gadsden+

ALEXANDER,private,20-10-2000,BE,8.5,arizona,decatur!

ALEXANDER,goverenment,01-01-2003,BTECH,4.5,oregon,huntsville/

AGNEW,goverenment,20-10-2000,BCOM,7.5,california,dothan@

ATNEST,goverenment,20-10-2000,MTECH,8.5,arizona,decatur!

BELL,goverenment,10-07-2004,BBA,9.5,alaska,auburn~

BURR,goverenment,12-12-2001,BE,100,alabama,madison`

BURD,goverenment,20-10-2000,ME,6.5,louisiana,hoover#

BACHTEL,goverenment,28-04-2005,BE,100,alabama,madison`

MULVETS,goverenment,20-10-2000,MS,8.5,arizona,decatur!

BURTNER,goverenment,20-10-2000,BE,100,alabama,madison`

BLOOM,goverenment,20-10-2000,BE,4.5,oregon,huntsville/

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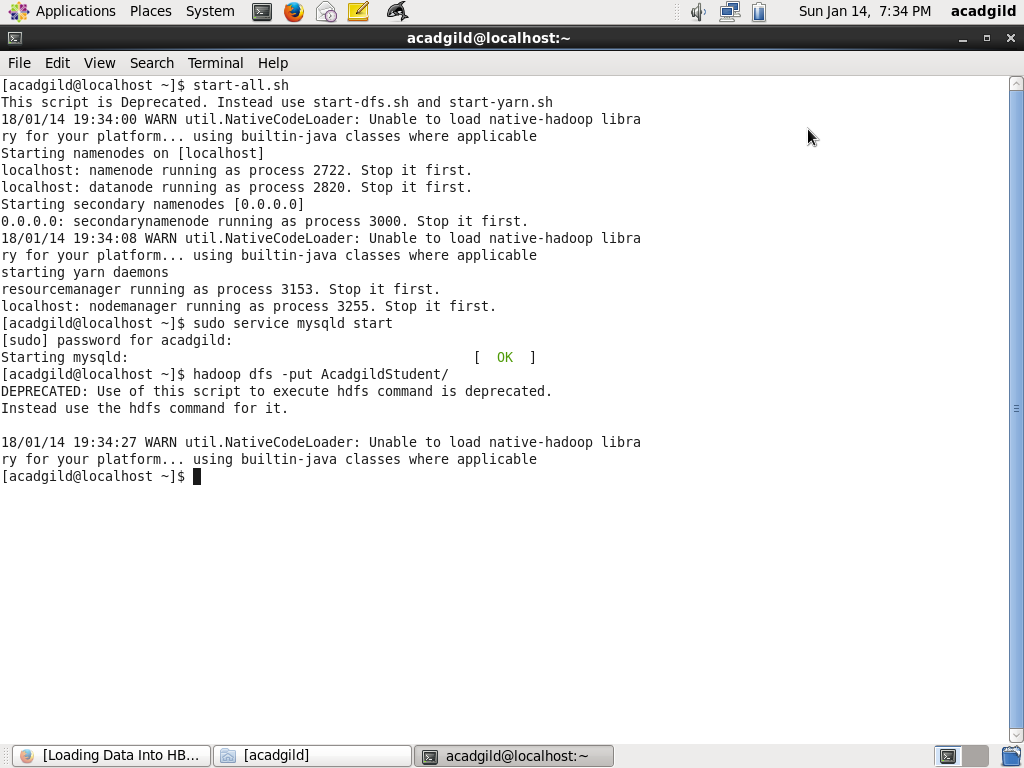
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Decsription

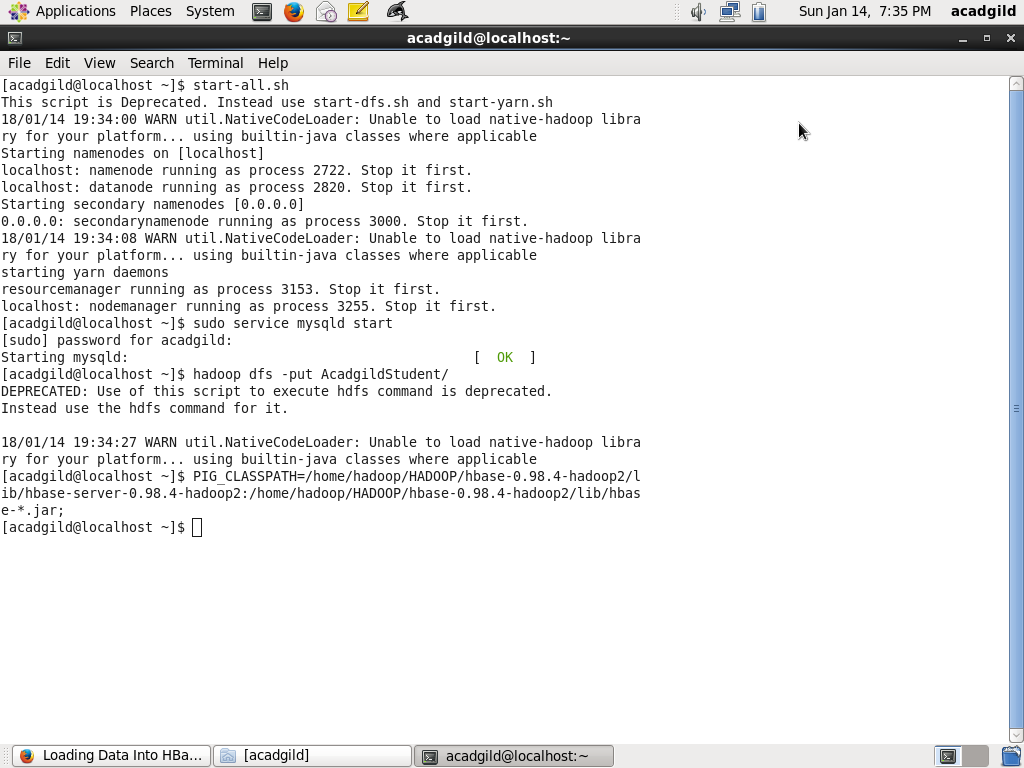
StudentName, sector, DOB, qualification, score, state, randomName.

We will be copying the data set in to HDFS which will be further loaded into HBase.



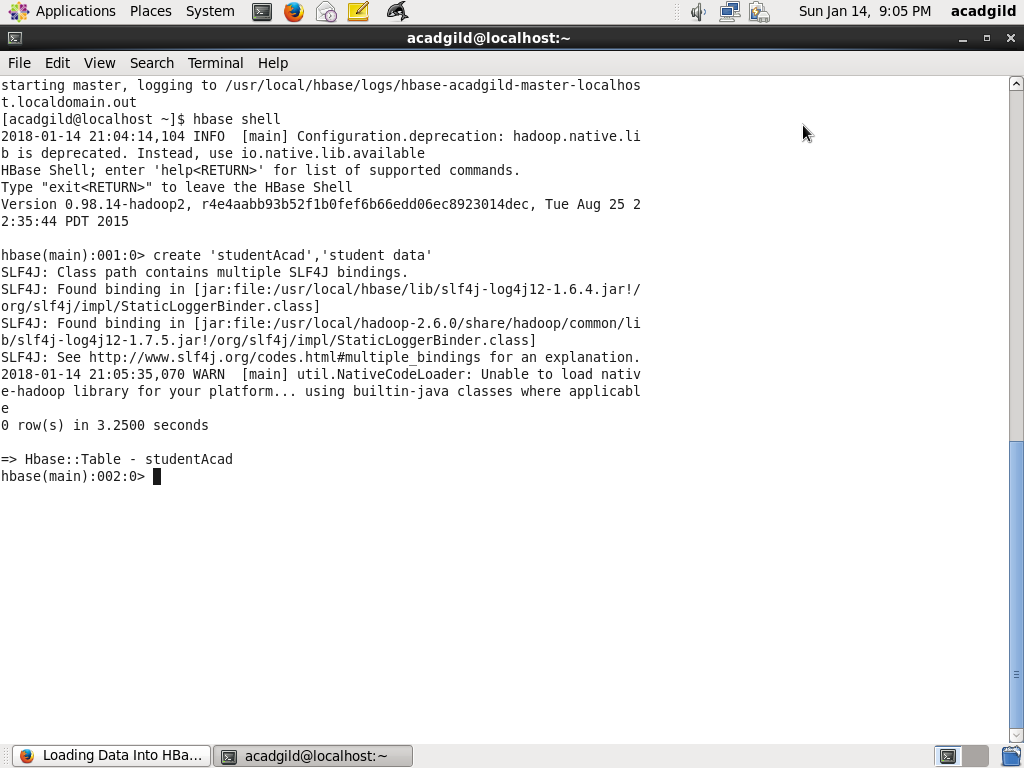
We will be including few jar files of HBase to the Pig classpath.

PIG\_CLASSPATH=/home/hadoop/HADOOP/hbase-0.98.4-hadoop2/lib/hbase-server-0.98.4-hadoop2:/home/hadoop/HADOOP/hbase-0.98.4-hadoop2/lib/hbase-\*.jar;



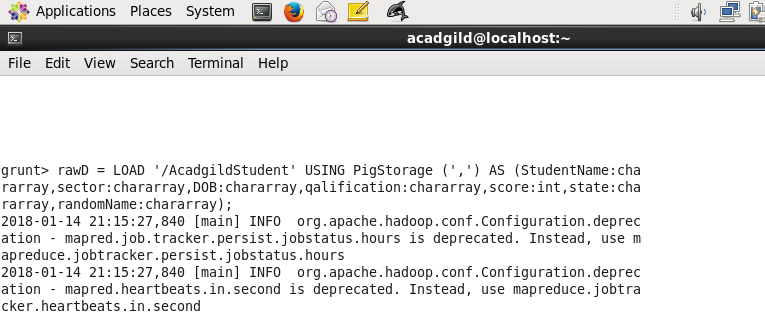
We will now start HBase shell and create a table.

We only need this table as skeleton so PIG can Store data inside this by referring the table name.



We can come out from HBase by typing exit and switch to PIG grunt shell.

Once we are inside PIG mode we can load data from HDFS to Alias relation.

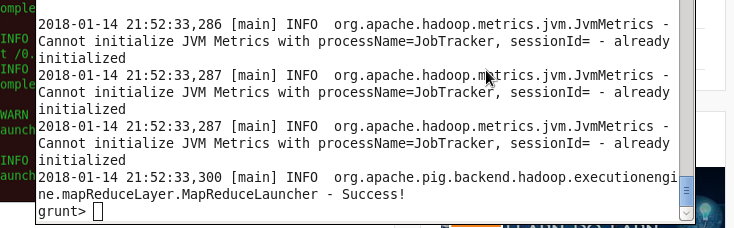


Now we can transfer the data inside HBase by STORE command.

We need to ensure that we give the correct name for table name created inside HBase. Also the parameters should be kept in mind to avoid mistake.

STORE rawD INTO ‘hbase://studentAcad/ USING orh.apache.pig.backend.hadoop.hbase.HbaseStorage(‘student\_data:StudentName,student\_data:sector,student\_data:DOB,student\_data:qalification,student\_data:score,student\_data:state,student\_data:randomName’);

Once the success message comes as shown below , it is confirmed our data is loaded inside HBase.



The result can be displayed through scan command followed by table name inside quotes( ‘ ‘ ).

