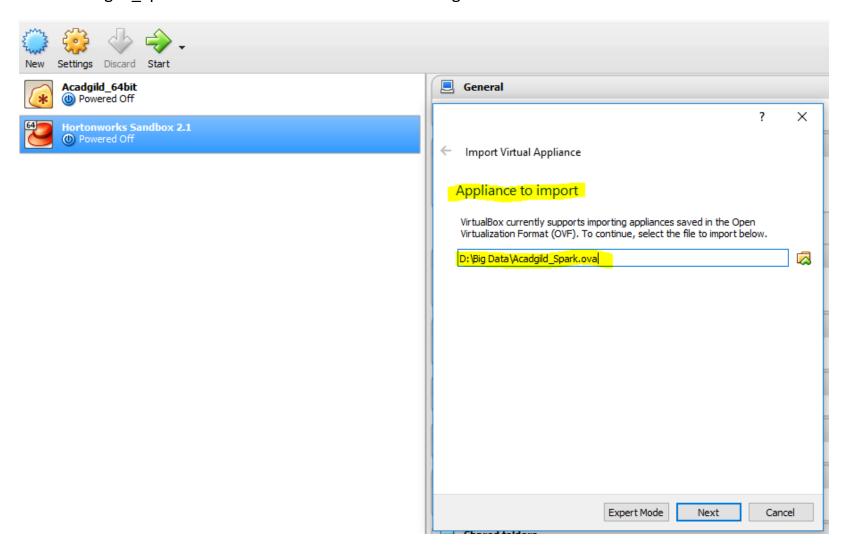
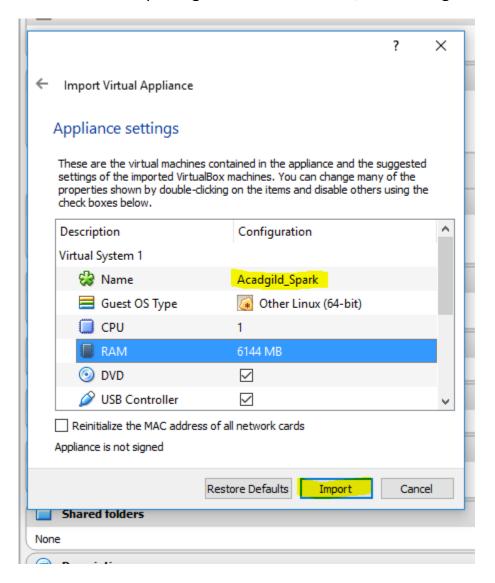
Importing Acadgild_SparkVM using Oracle VM

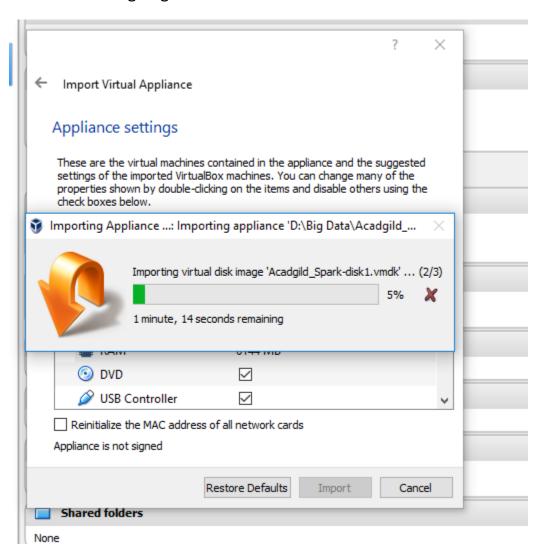
1. We have downloaded Acadgild_SparkVM and Oracle Virtual Box Manager. Now we are importing the Acadgild_Spark.ova file to Oracle Virtual Box Manager as shown below-



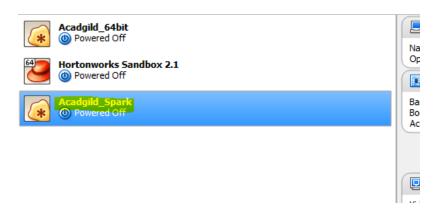
2. Since it requires good amount of RAM, I have assigned 6144 MB of RAM to it and Importing it-



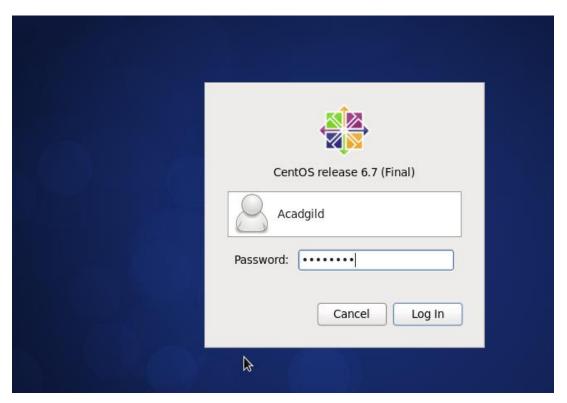
3. After assigning RAM click on IMPORT-



Once the import completes we can see the VM inside Oracle Virtual Box Manager-



4. Go inside the VM and login to it-



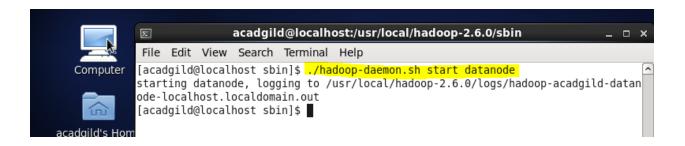
5. We do a jps to see what services are running. Ilt seems no hadoop daemons have been started.



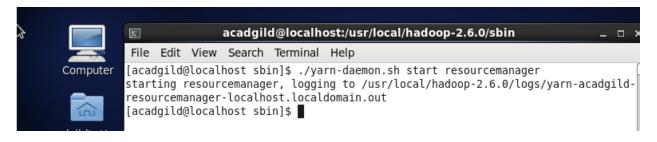
6. We go to directory /usr/local/hadoop-2.6.0 and then go to sbin library inside that. We are then starting namenode by using below command-./hadoop-daemon.sh start namenode



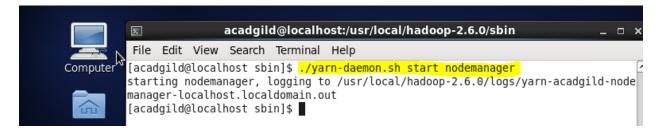
7. We remain in the library
We are then starting **datanode** by using below command./hadoop-daemon.sh start datanode



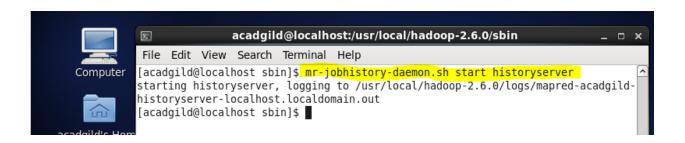
8. Inside same library we will start **resourcemanager** using below command ./hadoop-daemon.sh start resourcemanager



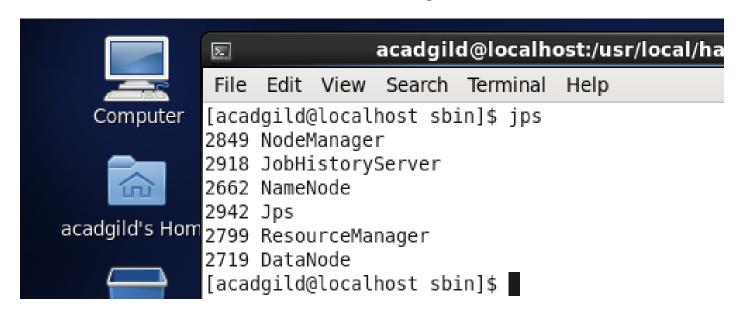
9. Inside same library we will start **nodemanager** using below command ./hadoop-daemon.sh start nodemanager



10.Inside same library we will start **historyserver** using below command ./mr-jobhistory-daemon.sh.start historyserver



11. Now we can see that below services are running-

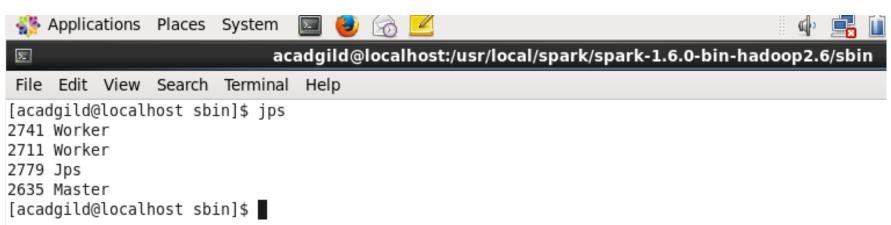


Now we will start Spark Daemons- Masters, Workers

12.We will move to /usr/local/spark library and move to sbin folder inside it and start master and slave daemons-

```
[acadgild@localhost sbin]$ ./start-master.sh
starting org.apache.spark.deploy.master.Master, logging to /usr/local/spark/spark-1.6.0-bin-hadoop2.6/logs/spark-acadgild-org
.apache.spark.deploy.master.Master-1-localhost.localdomain.out
failed to launch org.apache.spark.deploy.master.Master:
full log in /usr/local/spark/spark-1.6.0-bin-hadoop2.6/logs/spark-acadgild-org.apache.spark.deploy.master.Master-1-localhost.
localdomain.out
[acadgild@localhost sbin]$
[acadgild@localhost sbin]$ ./start-slaves.sh
localhost: starting org.apache.spark.deploy.worker.Worker, logging to /usr/local/spark/spark-1.6.0-bin-hadoop2.6/logs/spark-a
cadgild-org.apache.spark.deploy.worker.Worker-1-localhost.localdomain.out
localhost: failed to launch org.apache.spark.deploy.worker.Worker:
localhost: full log in /usr/local/spark/spark-1.6.0-bin-hadoop2.6/logs/spark-acadgild-org.apache.spark.deploy.worker.Worker-1
-localhost.localdomain.out
localhost: starting org.apache.spark.deploy.worker.Worker, logging to /usr/local/spark/spark-1.6.0-bin-hadoop2.6/logs/spark-a
cadgild-org.apache.spark.deploy.worker.Worker-2-localhost.localdomain.out
localhost: failed to launch org.apache.spark.deploy.worker.Worker:
localhost: full log in /usr/local/spark/spark-1.6.0-bin-hadoop2.6/logs/spark-acadgild-org.apache.spark.deploy.worker.Worker-2
-localhost.localdomain.out
[acadgild@localhost sbin]$
```

We can see master and slave daemons running on doing a jps-



We can also use eclipse to work on-

