## Big Data And Hadoop

# Session 12 – Assignment3

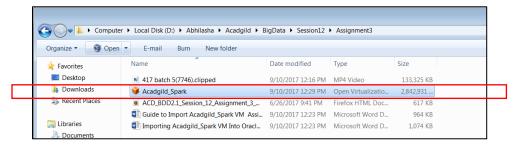
#### **Problem Statement:**

Import AcadGild VM into Virtual box and start all the Spark daemons.

## **Solution:**

Part A: Import acadgild vm

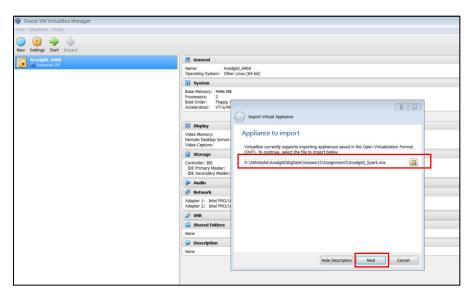
Step 1: Downloaded the acadgild vm's ova file and placed it locally, as seen in the screenshot.



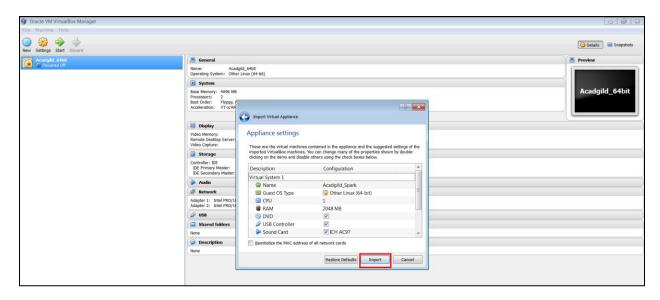
Step2: Started virtual box. Virtual box is already installed. Hence, didn't install it again.

Step3: Then went to File -> Import appliance

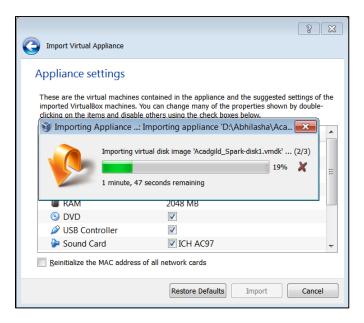
Step4: The following window appeared and we browsed the location of the ova file, as shown below. Then clicked on **next button** at the end of that window.



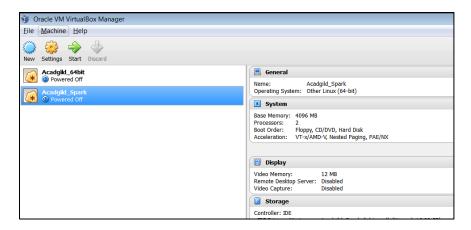
Step5: After browsing the file, clicked on **Import button** shown below.



Step6: Import started.



Step7: After the import is complete, the vm appears in the window in the left side. We then start the vm.

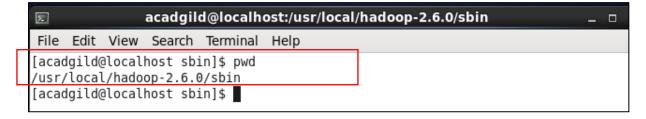


Step8: We now log into the vm as follows



Part B: Start all the daemons

Step1: We first go to the bin directory of Hadoop. Its location is /usr/local/Hadoop - 2.6.0/sbin



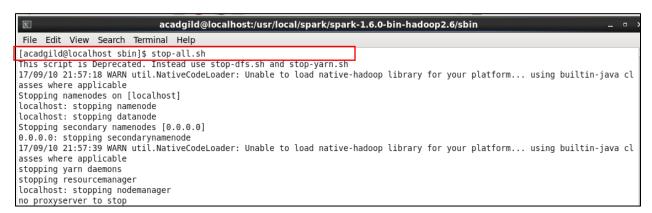
Step2: Next step, we start all the daemons of Hadoop using the command **start-all.sh** as follows

```
acadgild@localhost:/usr/local/hadoop-2.6.0/sbin
 File Edit View Search Terminal Help
[acadgild@localhost sbin]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
17/09/10 21:51:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /usr/local/hadoop-2.6.0/logs/hadoop-acadgild-namenode-localhost.localdomain.out localhost: starting datanode, logging to /usr/local/hadoop-2.6.0/logs/hadoop-acadgild-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0. starting secondarynamenode, logging to /usr/local/hadoop-2.6.0/logs/hadoop-acadgild-secondarynamenode-localhost.loca
ldomain.out
17/09/10 21:52:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop-2.6.0/logs/yarn-acadgild-resourcemanager-localhost.localdomain.out localhost: starting nodemanager, logging to /usr/local/hadoop-2.6.0/logs/yarn-acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost sbin]$
```

Step3: To check if all the daemons are up, we use jps command as follows



Step4: We use **stop-all.sh** command to stop these daemons



Step5: Next, we go to the bin directory of spark. Its location is **/usr/local/spark/spark-1.6.0-bin-hadoop2.6/sbin** 



Step6: To start master daemon in spark, we use the command ./start-master.sh

```
acadgild@localhost:/usr/local/spark/spark-1.6.0-bin-hadoop2.6/sbin

File Edit View Search Terminal Help

[acadgild@localhost sbin]$ ./start-m

start-master.sh start-mesos-dispatcher.sh start-mesos-shuffle-service.sh

[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

[acadgild@localhost sbin]$ 

■
```

Step7: To start slave daemon, we use the command ./start-slaves.sh



## Step8: We then verify if all the daemons are up using **ips** command as follows:

