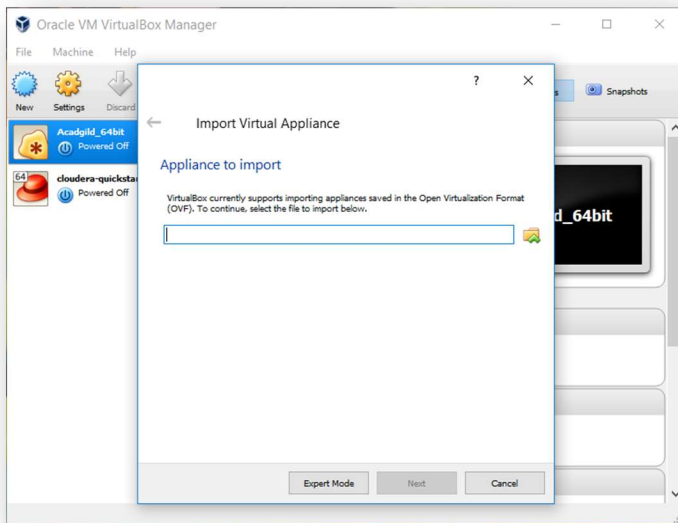


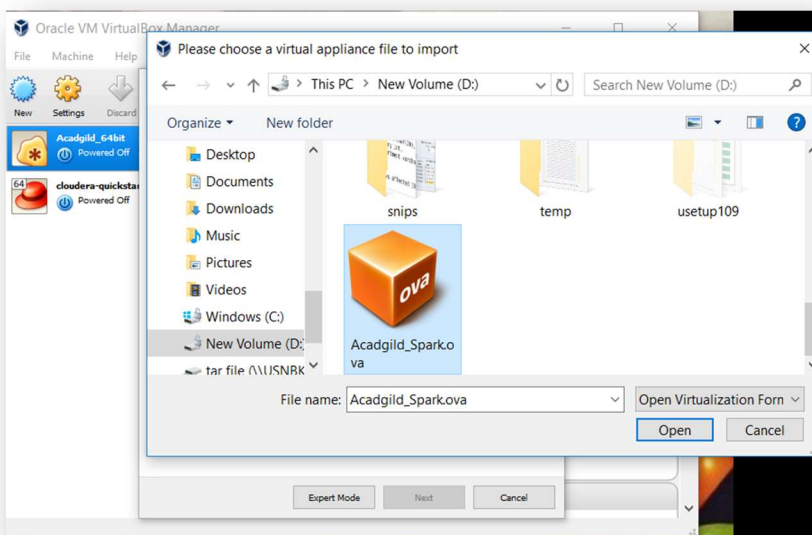
## Assignment 12.1

1. Install Acadgild-Spark VM from the link  
<https://drive.google.com/open?id=0ByJLBTmJojjzY0pvVW9YUIFwLUk>
2. Now we shall import the Acadgild-Spark VM into Oracle VM.

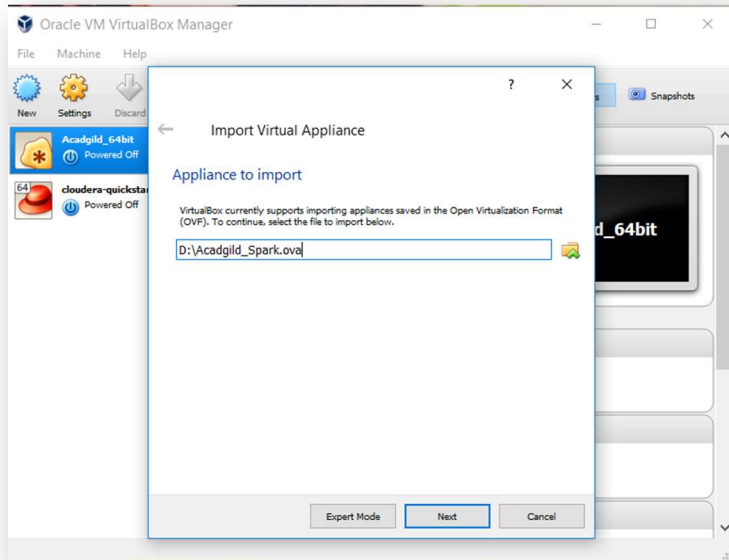
Click on **File -> Import Appliance**



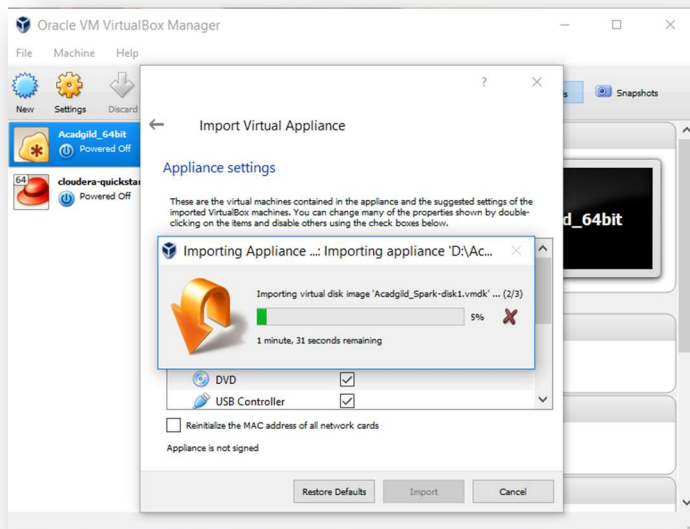
Browse to the location where the Acadgild-Spark VM is installed



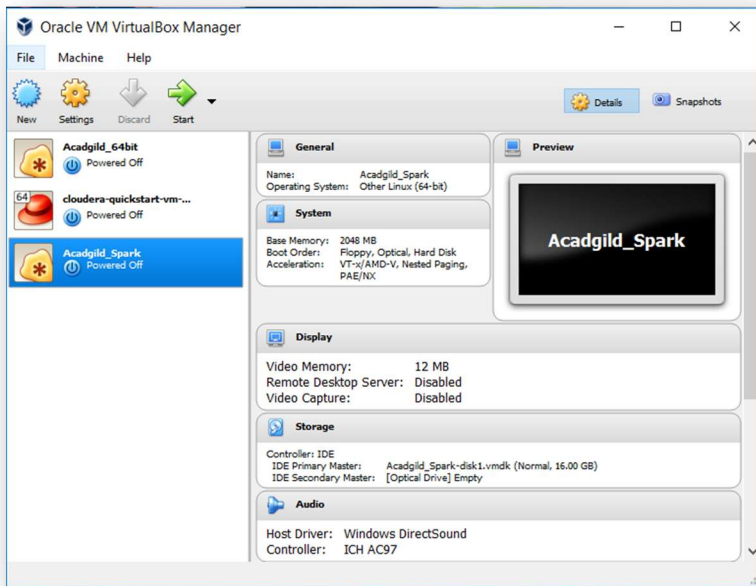
Then click on **Next**



Then, the Acadgild-Spark VM will start installing.

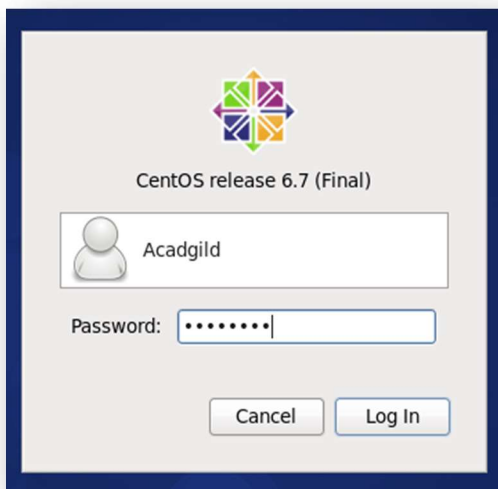


After the installation, the VM will show on the left pane of Oracle VM. Then Click on start to run the Acadgild-Spark VM



**Login Username : Acadgild**

**Login Password: Acadgild**



Open a command prompt and start the Hadoop daemons by using the command **start-all.sh**

Following Hadoop daemons get started

**SecondaryNameNode**

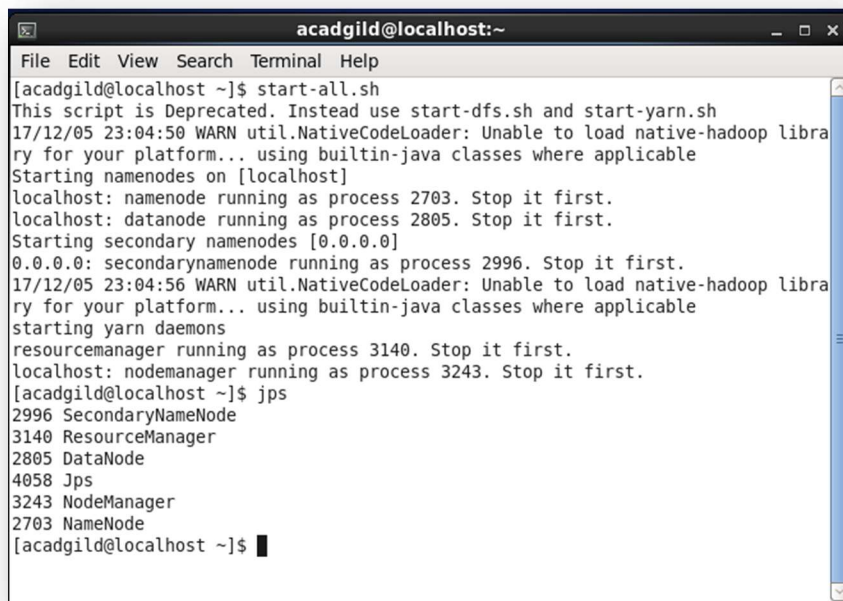
**ResourceManager**

**DataNode**

**Jps**

**NodeManager**

**NameNode**



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ start-all.sh  
This script is deprecated. Instead use start-dfs.sh and start-yarn.sh  
17/12/05 23:04:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
Starting namenodes on [localhost]  
localhost: namenode running as process 2703. Stop it first.  
localhost: datanode running as process 2805. Stop it first.  
Starting secondary namenodes [0.0.0.0]  
0.0.0.0: secondarynamenode running as process 2996. Stop it first.  
17/12/05 23:04:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
starting yarn daemons  
resourcemanager running as process 3140. Stop it first.  
localhost: nodemanager running as process 3243. Stop it first.  
[acadgild@localhost ~]$ jps  
2996 SecondaryNameNode  
3140 ResourceManager  
2805 DataNode  
4058 Jps  
3243 NodeManager  
2703 NameNode  
[acadgild@localhost ~]$
```

3. Now to start the spark daemons **MASTER** and **WORKERS**

First navigate into the folder **/usr/local/spark/spark-1.6.0-bin-hadoop2.6/sbin**

And run the following commands

To start master: **./start-master.sh**

To start worker: **./start-slaves.sh**

As you can see in the below screenshot, the **worker** and the **master** daemons have started running.

```
acadmild@localhost:usr/local/spark/spark-1.6.0-bin-hadoop2.6/sbin
File Edit View Search Terminal Help
conf      ec2      LICENSE  metastore_db  R      sbin
[acadmild@localhost spark-1.6.0-bin-hadoop2.6]$ cd sbin
[acadmild@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-acadmild-org.apache.spark.deploy.master.Master-1-localhost.localdomain.out
[acadmild@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-acadmild-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-acadmild-org.apache.spark.deploy.worker.Worker-2-localhost.localdomain.out
[acadmild@localhost sbin]$ jps
3712 Worker
3760 Worker
3251 NodeManager
3828 Jps
2711 NameNode
3003 SecondaryNameNode
3148 ResourceManager
2813 DataNode
3615 Master
[acadmild@localhost sbin]$
```

4. To work with eclipse on Acadmild-Spark VM, click on the icon “**Link to eclipse**”

