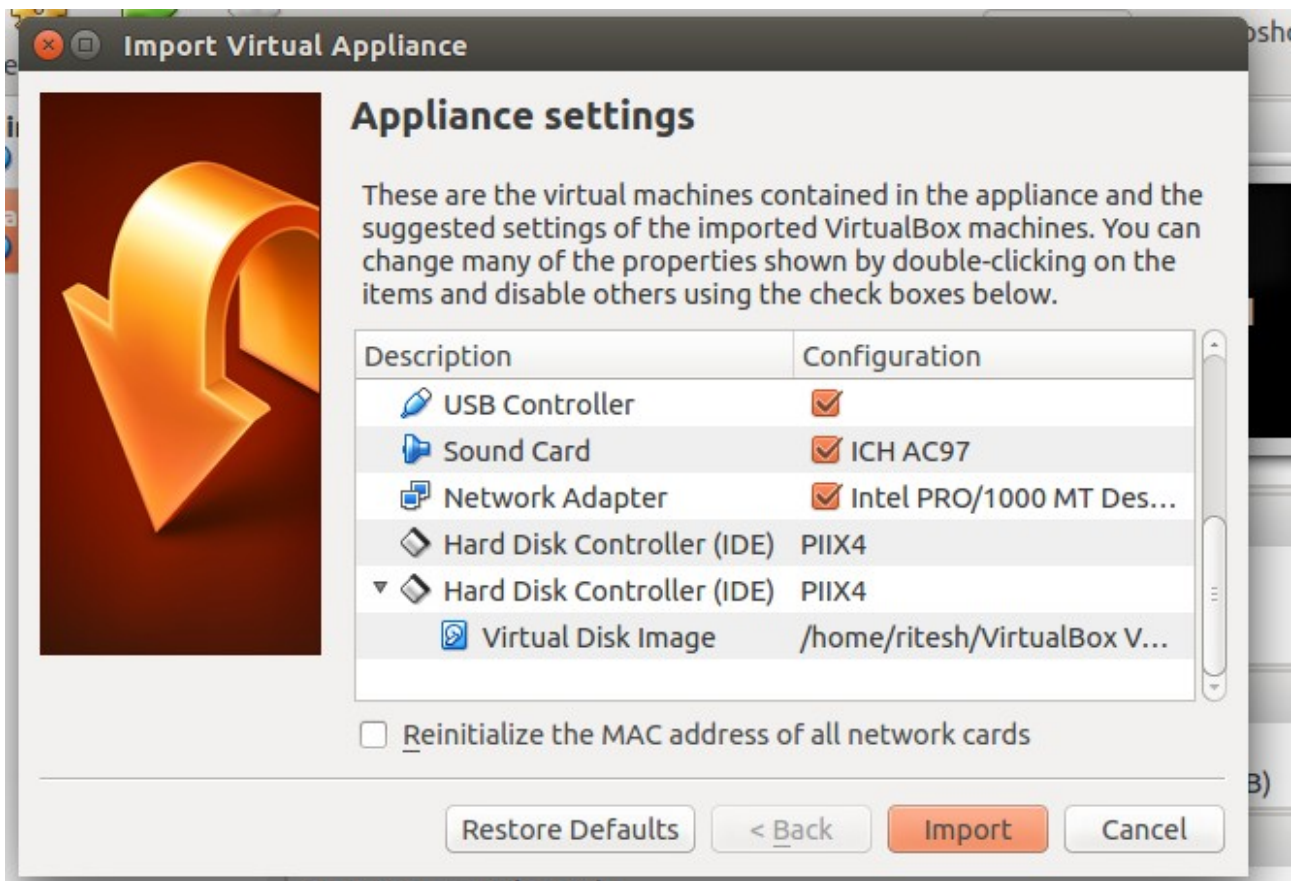


Bigdata Assignment 4.6

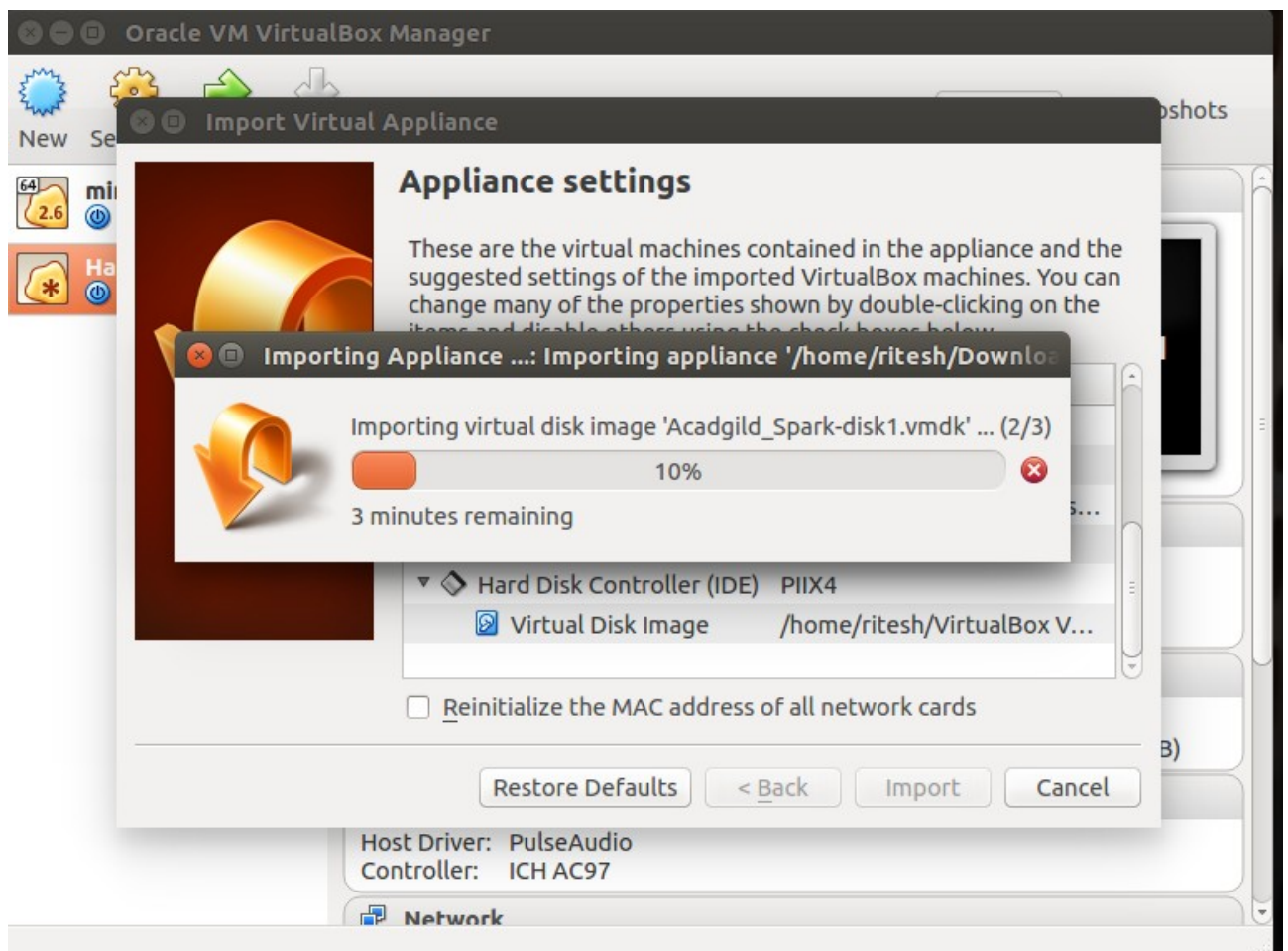
- Download the acadgild vm using the below link and saved it into my system.

<https://drive.google.com/openid=0ByJLBTmJojzY0pvVW9YUIFwLUk>

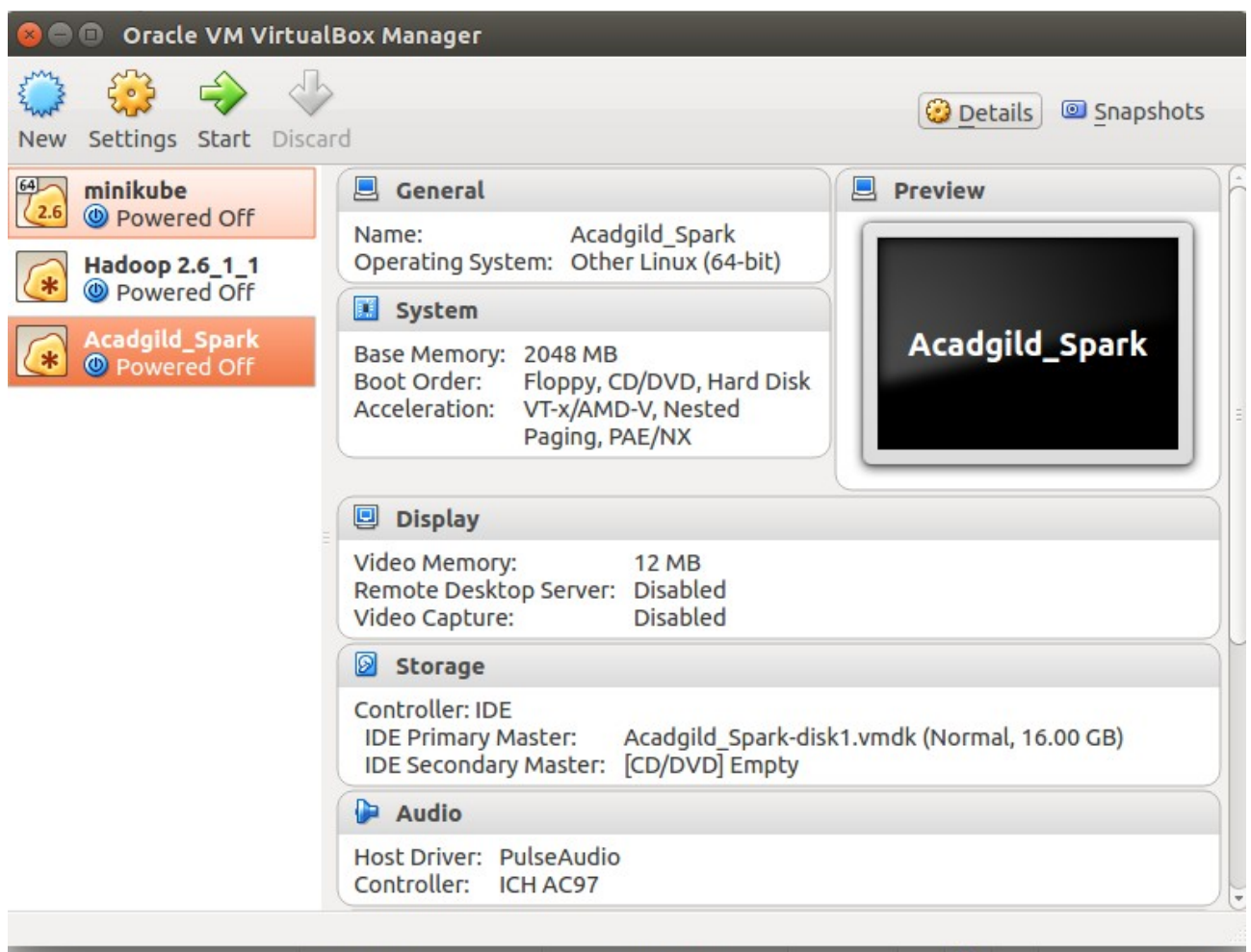
- Right click on the acadgild spark.ova file and select open with virtual box application.



- Then select import appliance.



- Then acagilld spark vm is available in the virtul box machine



- Then we checked if hadoop services are working or not .
For that in sbin folder of hadoop.
We gave the command **start-all.sh**
- Then checked the services by using **jps** command

```
acadgild@localhost: /usr/local/hadoop-2.6.0/sbin
File Edit View Search Terminal Help
[acadgild@localhost sbin]$ cd ..
[acadgild@localhost spark-1.6.0-bin-hadoop2.6]$ cd ..
[acadgild@localhost spark]$ ls
spark-1.6.0-bin-hadoop2.6
[acadgild@localhost spark]$ cd ..
[acadgild@localhost local]$ ls
bin etc games hadoop-2.6.0 include java lib lib64 libexec sbin scala share spark src
[acadgild@localhost local]$ cd hadoop-2.6.0/
[acadgild@localhost hadoop-2.6.0]$ ls
bin etc include lib libexec LICENSE.txt logs NOTICE.txt pid README.txt sbin share
[acadgild@localhost hadoop-2.6.0]$ cd sbin/
[acadgild@localhost sbin]$ ls
distribute-exclude.sh hdfs-config.sh slaves.sh start-dfs.sh stop-all.sh stop-yarn.cmd
hadoop-daemon.sh httpfs.sh start-all.cmd start-secure-dns.sh stop-balancer.sh stop-yarn.sh
hadoop-daemons.sh kms.sh start-all.sh start-yarn.cmd stop-dfs.cmd yarn-daemon.sh
hdfs: mr-jobhistory-daemon.sh start-balancer.sh start-yarn.sh stop-dfs.sh yarn-daemons.sh
hdfs-config.cmd refresh-namenodes.sh start-dfs.cmd stop-all.cmd stop-secure-dns.sh
[acadgild@localhost sbin]$ start-all.sh
This script is deprecated. Instead use start-dfs.sh and start-yarn.sh
18/06/14 10:25:51 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: secondarynamenode running as process 3016. Stop it first.
18/06/14 10:26:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Starting yarn daemons
resourceManager running as process 3162. Stop it first.
localhost: starting nodemanager, logging to /usr/local/hadoop-2.6.0/logs/yarn-acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost sbin]$ jps
3122 NameNode
3251 DataNode
3700 Jps
3577 NodeManager
[acadgild@localhost sbin]$
```

In the above screenshot , it is evident that everything is working

- For checking spark in the sbin folder of spark , we gave the command **start-master.sh**
- Then we checked the services by using command **jps**

```
[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]$ ./start-slave.sh
Usage: ./sbin/start-slave.sh [options] <master>
18/06/14 10:23:30 WARN Utils: Your hostname, localhost.localdomain resolves to a loopback address: 127.0.0.1, but we couldn't
find any external IP address!
18/06/14 10:23:30 WARN Utils: Set SPARK_LOCAL_IP if you need to bind to another address

Master must be a URL of the form spark://hostname:port

Options:
-c CORES, --cores CORES      Number of cores to use
-m MEM, --memory MEM         Amount of memory to use (e.g. 1000M, 2G)
-d DIR, --work-dir DIR       Directory to run apps in (default: SPARK_HOME/work)
-i HOST, --ip IP              Hostname to listen on (deprecated, please use --host or -h)
-h HOST, --host HOST          Hostname to listen on
-p PORT, --port PORT          Port to listen on (default: random)
--webui-port PORT             Port for web UI (default: 8081)
--properties-file FILE        Path to a custom Spark properties file.
                              Default is conf/spark-defaults.conf.
[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: 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
[acadgild@localhost sbin]$ jps
2816 Worker
2866 Worker
2691 Master
2933 Jps
[acadgild@localhost sbin]$
```

In the above screenshot it is evident taht all the services of spark is working.

Conclusion -

Successfully imported acadgild spark vm in oracle VM virtual box manager.