



Session 12: Introduction to Scala

Assignment 12.1

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Assignment 12.1 –Importing acadgild_spark vm using Oracle vmThe ACADGILD_32_Bit.

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Introduction

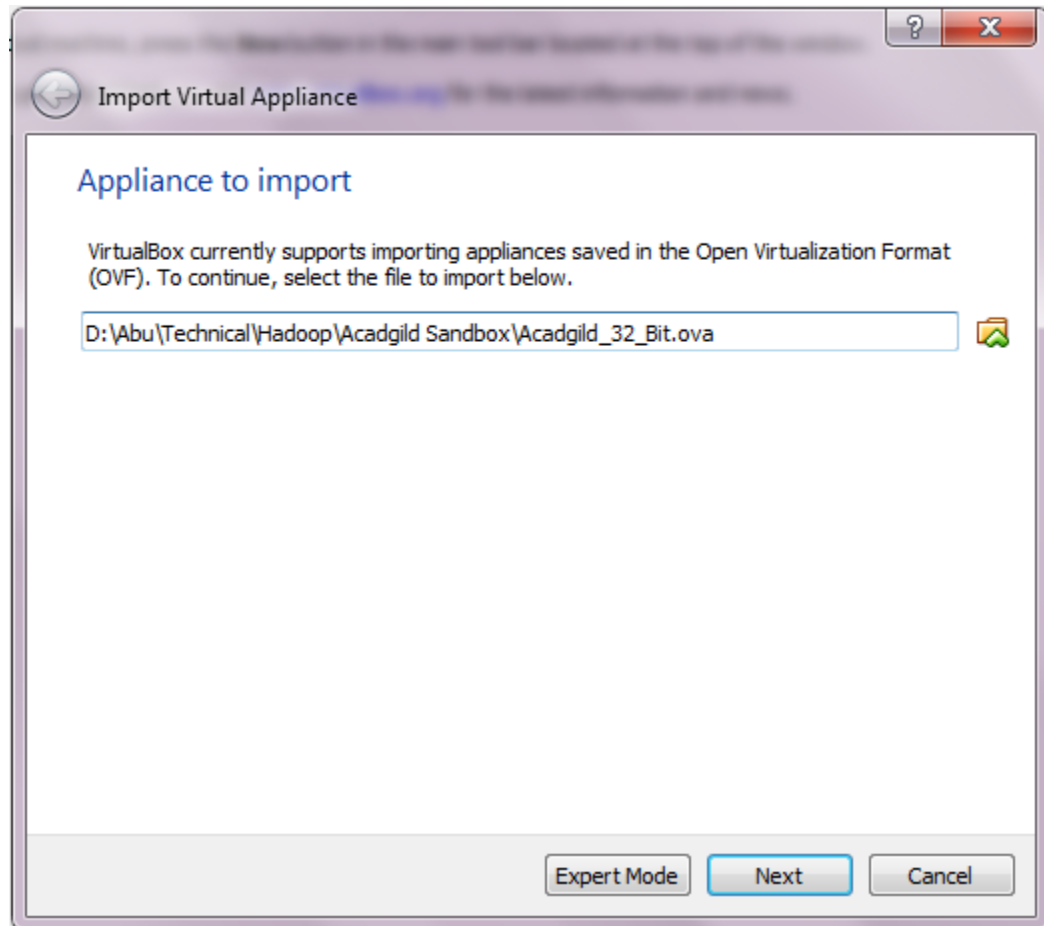
In this assignment, we are going to import acadgild_spark vm.

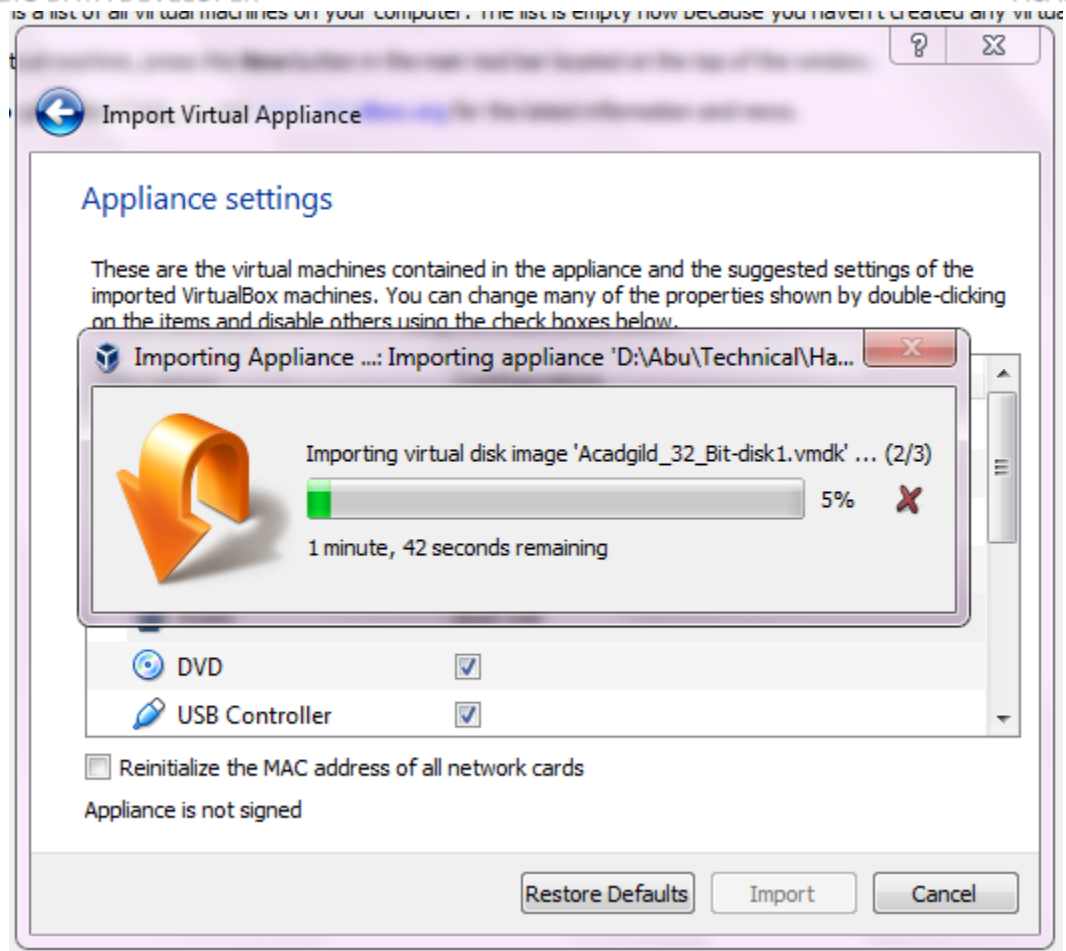
Download the acadgild vm using the below link and save it into your system.

<https://drive.google.com/open?id=0ByJLBTmJojizY0pvVW9YUIFwLUk>

Step1

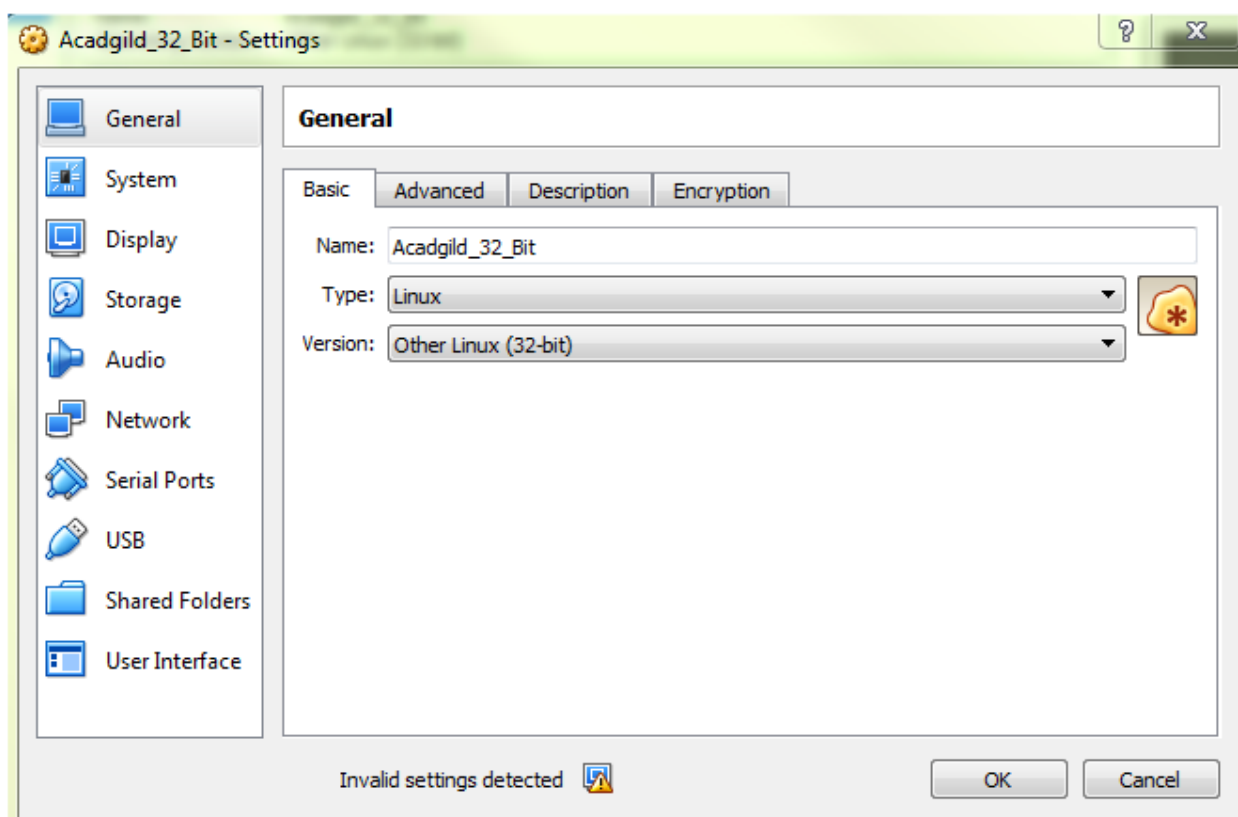
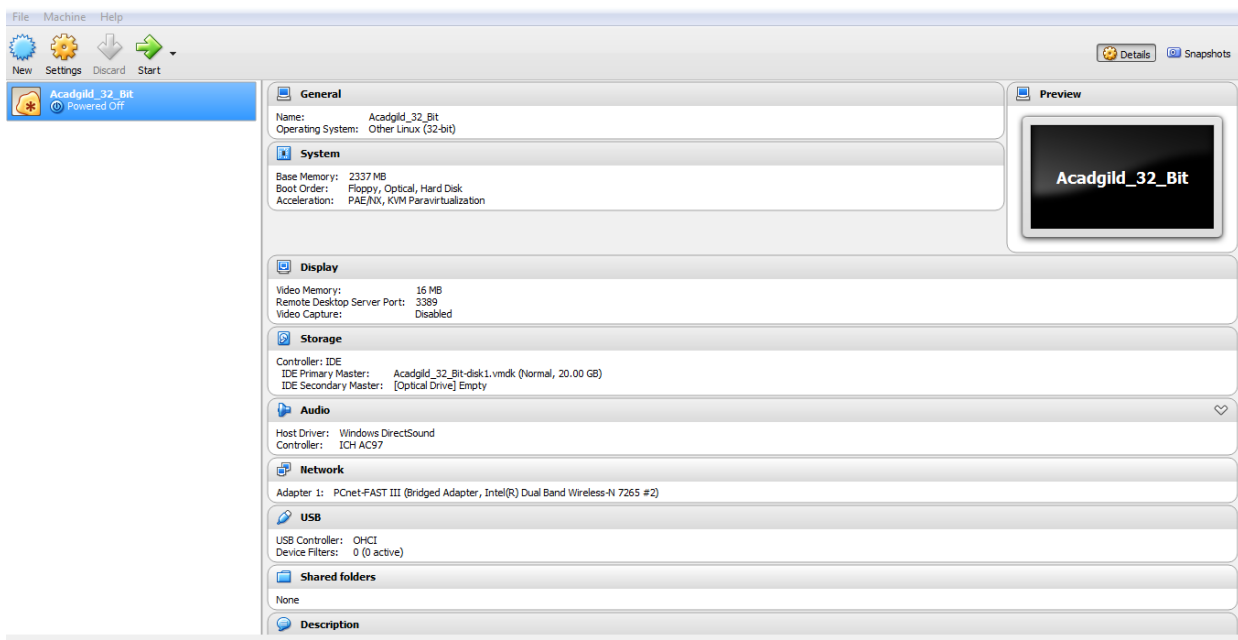
Import the Acadgild VM,

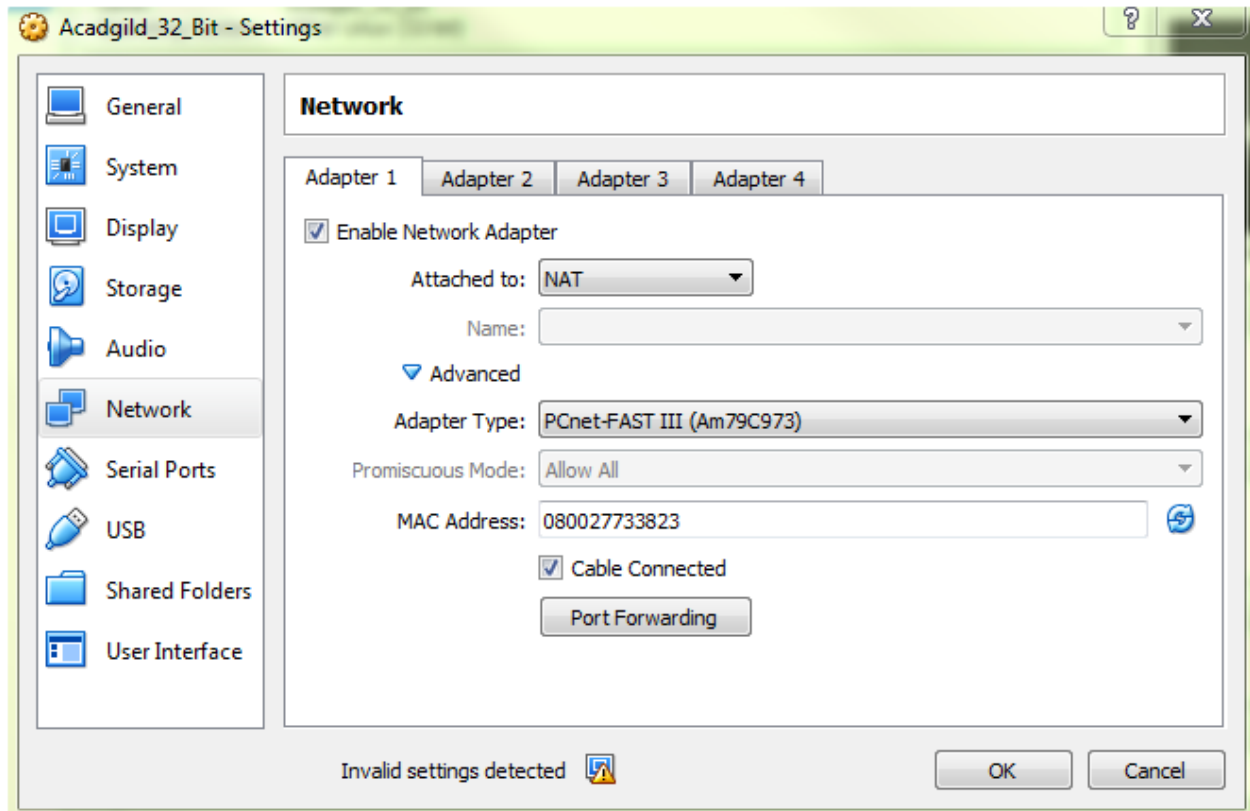




Step2

Implement the appliance settings,

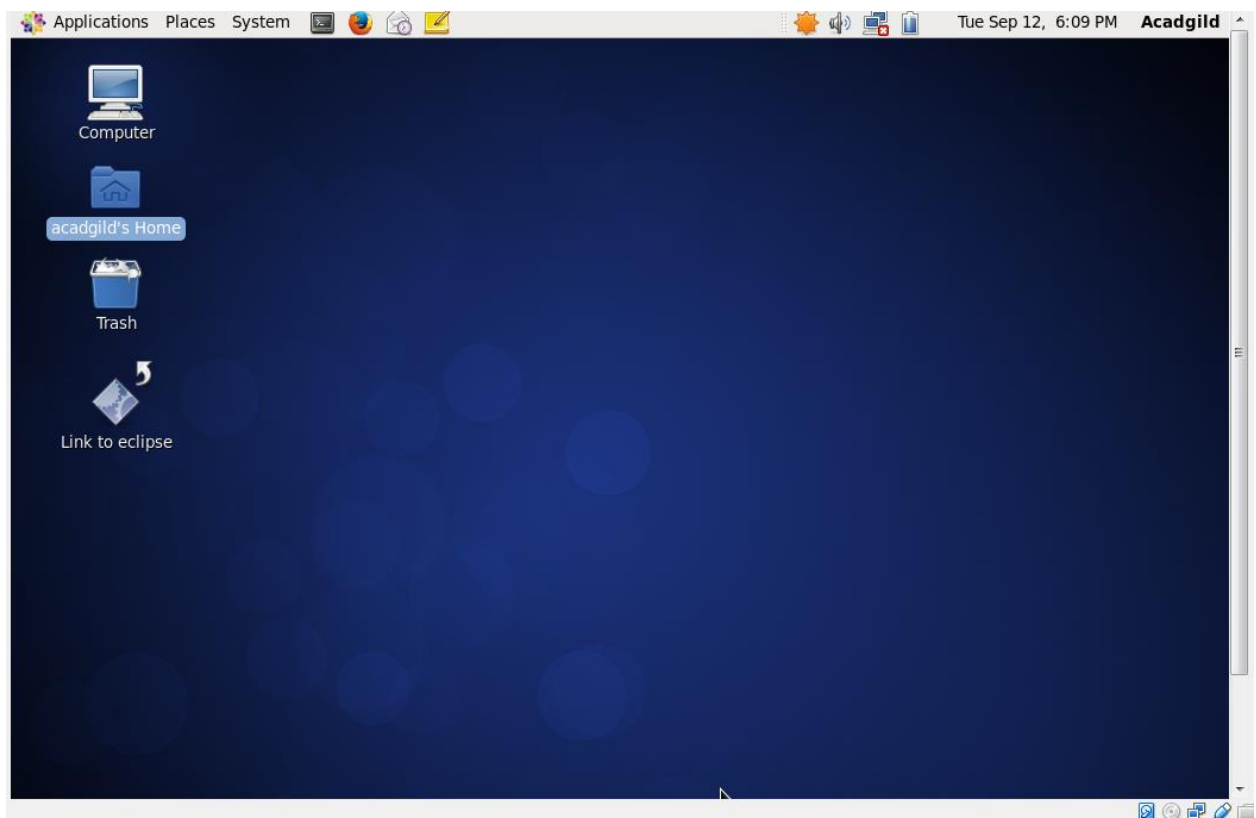
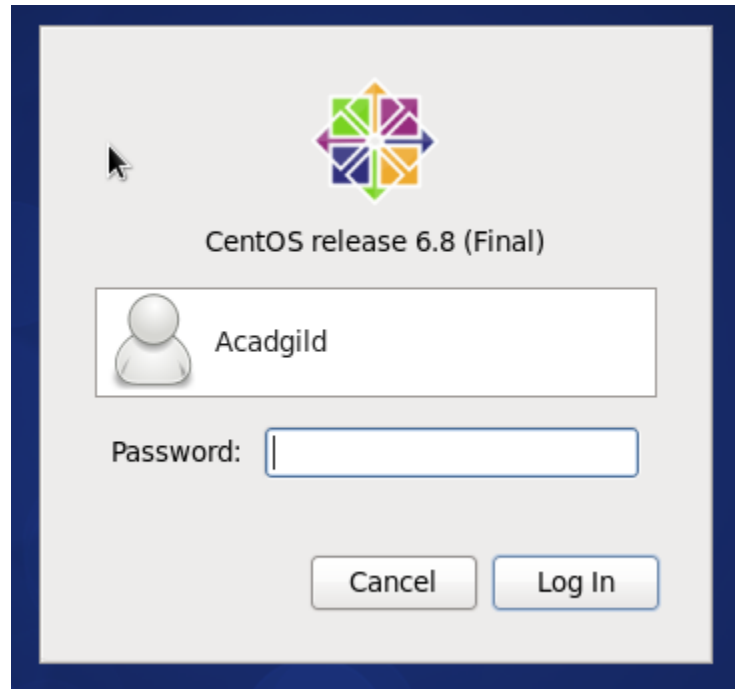




Step3

Logged in as user ACADGILD,

We need to give the password as acadgild.





Step4

Use the MobaXterm to type the commands in the linux shell, Open the terminal and type the command **jps** to check the list of daemons, we need to start all the daemons for the first time.

```
[acadgild@localhost ~]$ jps
4661 Jps
[acadgild@localhost ~]$
```

Starting Hadoop Daemons,

Start-all.sh

```
[acadgild@localhost ~]$ jps
6145 Jps
5362 NodeManager
5107 SecondaryNameNode
4900 DataNode
5253 ResourceManager
4797 NameNode
[acadgild@localhost ~]$
```

Step5

Starting spark daemons Master, Workers.

Move into the sbin folder of spark installed directory (Here spark is installed in /home/acadgild/spark-2.2.0-bin-hadoop2.7/sbin.)

Starting Master:

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

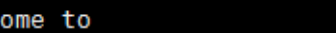
Starting Slaves:

Command: **./start-slaves.sh**

```
[acadgild@localhost spark-2.2.0-bin-hadoop2.7]$ cd sbin
[acadgild@localhost sbin]$
[acadgild@localhost sbin]$
[acadgild@localhost sbin]$ ./start-master.sh
starting org.apache.spark.deploy.master.Master, logging to /home/acadgild/spark-2.2.0-bin-hadoop2.7/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 /home/acadgild/spark-2.2.0-bin-hadoop2.7/logs/spark-acadgild-org.apache.s
park.deploy.worker.Worker-1-localhost.localdomain.out
[acadgild@localhost sbin]$
```

```
park.deploy.worker.Worker-1-localhost.localdomain.out
[acadgild@localhost sbin]$ jps
5362 NodeManager
5107 SecondaryNameNode
6739 Worker
6803 Jps
4900 DataNode
5253 ResourceManager
6650 Master
4797 NameNode
[acadgild@localhost sbin]$
[acadgild@localhost sbin]$
```

Now, the VM is ready for working in the Scala/spark shell.

```
Spark session available as 'spark'.  
Welcome to  
 version 2.2.0  
  
Using Scala version 2.11.8 (Java HotSpot(TM) Client VM, Java 1.8.0_101)  
Type in expressions to have them evaluated.  
Type :help for more information.  
  
scala>  
  
scala>
```

*****End of Document*****