

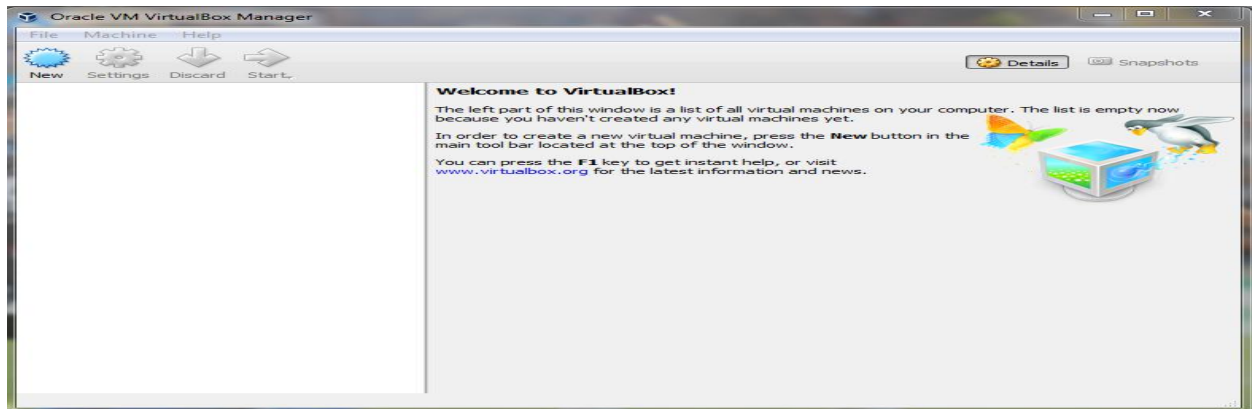
Assignment 1.1

Objective:-

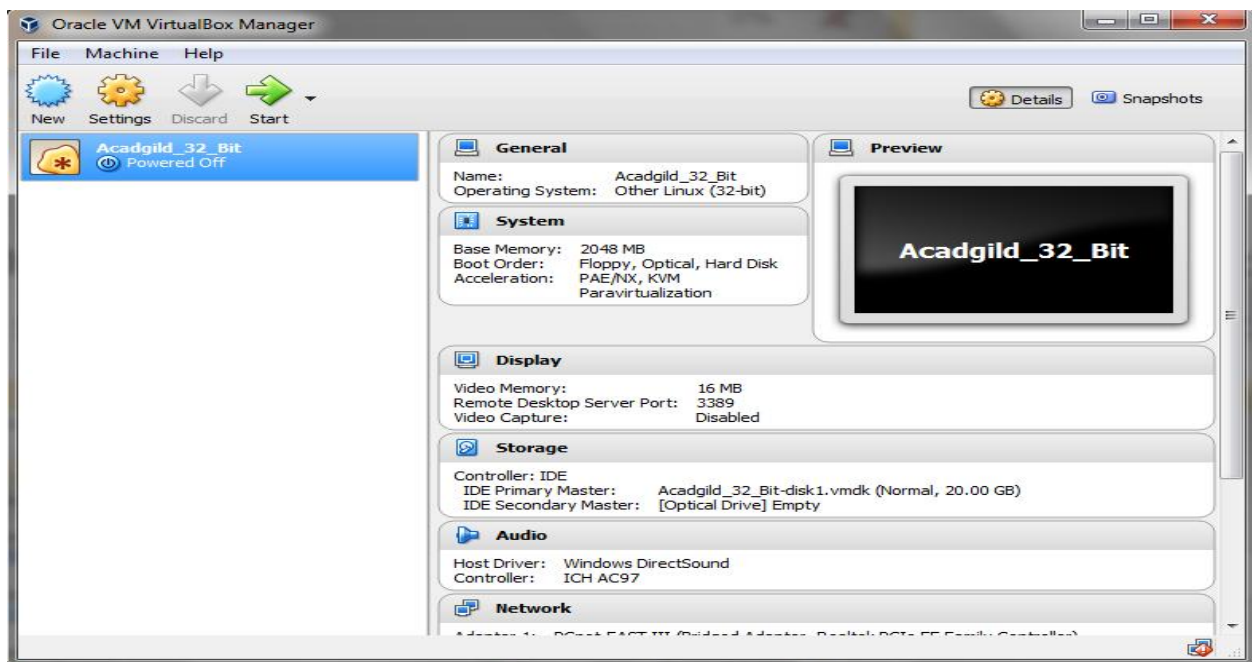
Importing of Acadgild VM into Oracle virtual box

Steps:-

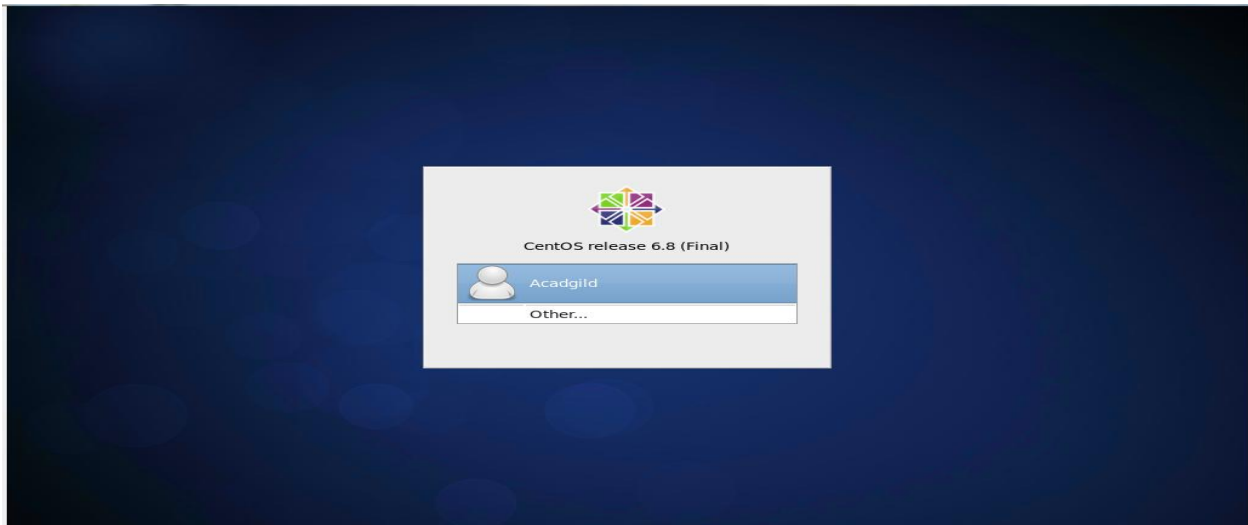
1. Install Oracle Virtual Box on the Machine and open on the machine.



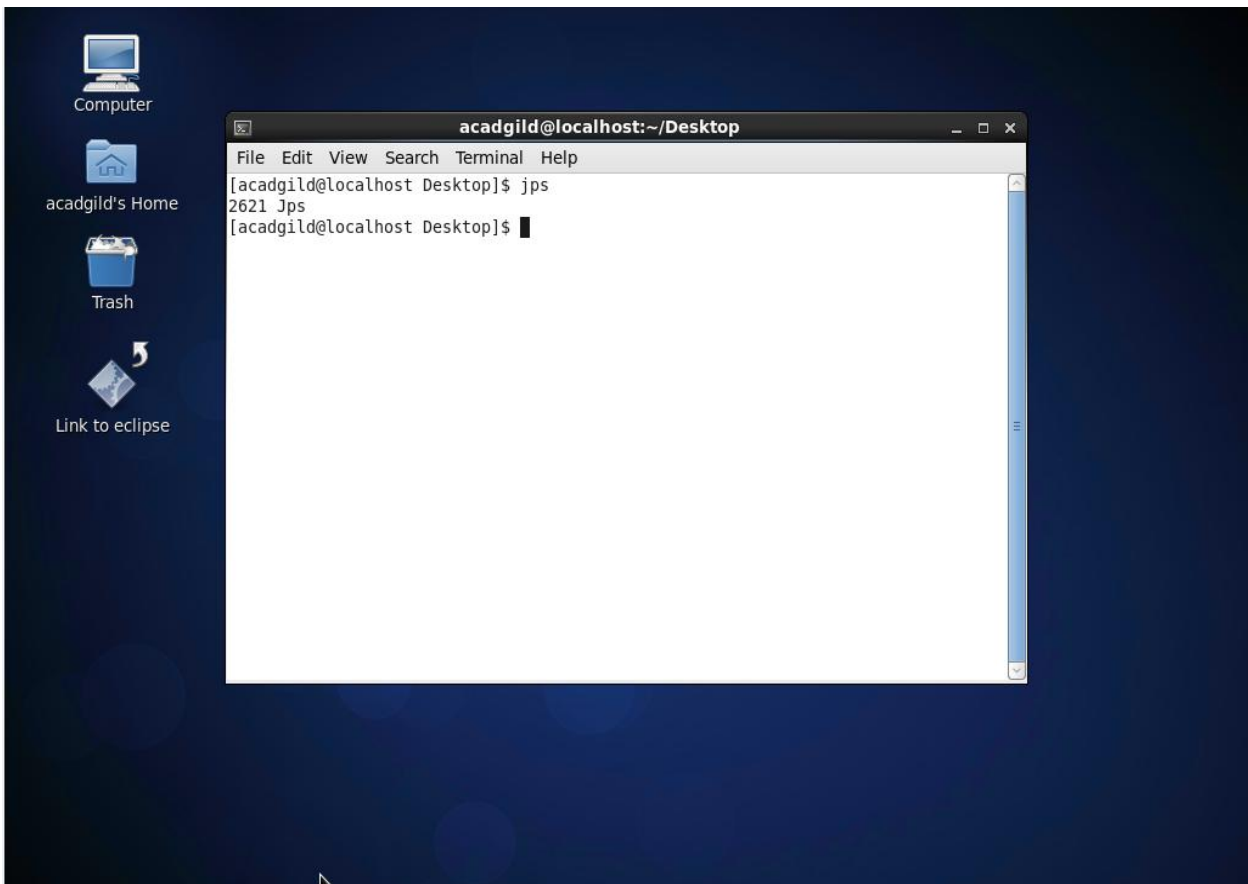
2. Download Acadgild VM from the support site and import in the Oracle Virtual Box



3. Click on Start button to start your VM and login screen appears.

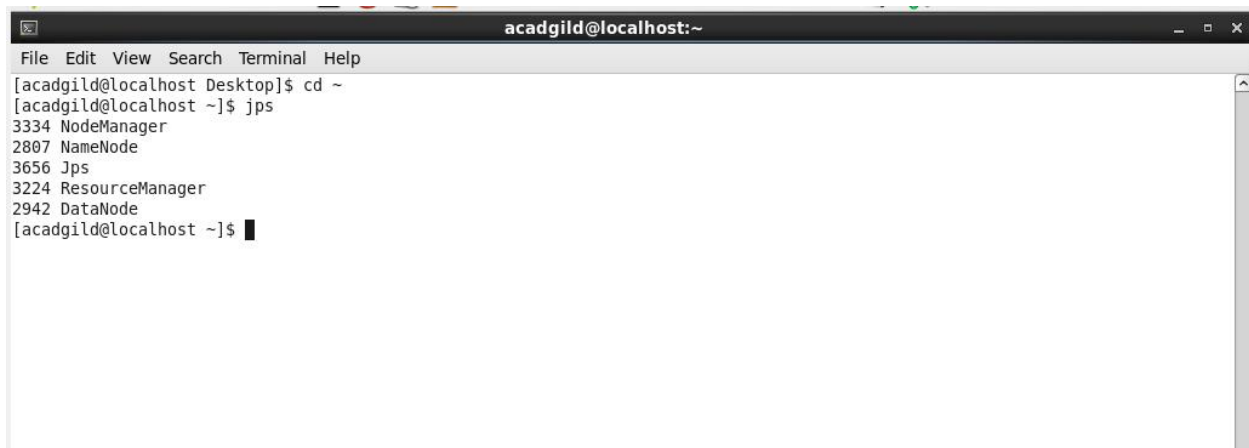


4. Login with username as Acadgild and password as acadgild
5. Open the terminal and type the command `jps` to check which all daemons are working.



6. Start all daemons by typing the command start-all.sh

```
[acadgild@localhost Desktop]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop
p-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The
VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>',
or link it with '-z noexecstack'.
17/09/16 10:07:10 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop
-acadgild-namenode-localhost.localdomain.out
localhost: starting datanode, logging to /home/acadgild/hadoop-2.7.2/logs/hadoop
-acadgild-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 3097. Stop it first.
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop
p-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The
VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>',
or link it with '-z noexecstack'.
17/09/16 10:07:24 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/hadoop-2.7.2/logs/yarn-acadg
ild-resourcemanager-localhost.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/hadoop-2.7.2/logs/yar
n-acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost Desktop]$
```



```
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost Desktop]$ cd ~
[acadgild@localhost ~]$ jps
3334 NodeManager
2807 NameNode
3656 Jps
3224 ResourceManager
2942 DataNode
[acadgild@localhost ~]$
```

7. Start the history server.

```
[acadgild@localhost ~]$ mr-jobhistory-daemon.sh start historyserver
starting historyserver, logging to /home/acadgild/hadoop-2.7.2/logs/mapred-acadgild-historyserver-localhost.localdomain.out
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which m
ight have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
[acadgild@localhost ~]$ jps
3712 JobHistoryServer
3334 NodeManager
2807 NameNode
3752 Jps
3224 ResourceManager
2942 DataNode
[acadgild@localhost ~]$
```

8. Start pig in hdfs mode by typing command pig in terminal.

```
[acadgild@localhost ~]$ pig
2017-09-16 10:14:56,229 INFO [main] pig.ExecTypeProvider: Trying ExecType : LOCAL
2017-09-16 10:14:56,231 INFO [main] pig.ExecTypeProvider: Trying ExecType : MAPREDUCE
2017-09-16 10:14:56,231 INFO [main] pig.ExecTypeProvider: Picked MAPREDUCE as the ExecType
2017-09-16 10:14:56,356 [main] INFO org.apache.pig.Main - Apache Pig version 0.16.0 (r1746530) compiled Jun 01 2016, 23:10:49
2017-09-16 10:14:56,356 [main] INFO org.apache.pig.Main - Logging error messages to: /home/acadgild/pig_1505537096355.log
2017-09-16 10:14:56,405 [main] INFO org.apache.pig.impl.util.Utils - Default bootup file /home/acadgild/.pigbootup not found
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/hbase-1.0.3/lib/slf4j-log4j12-1.7.7.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
2017-09-16 10:14:56,838 [main] WARN org.apache.hadoop.util.NativeCodeLoader - Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
2017-09-16 10:14:56,841 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
2017-09-16 10:14:56,841 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS
2017-09-16 10:14:56,843 [main] INFO org.apache.pig.backend.hadoop.executionengine.HExecutionEngine - Connecting to hadoop file system at: hdfs://localhost:9000
2017-09-16 10:14:57,497 [main] INFO org.apache.pig.PigServer - Pig Script ID for the session: PIG-default-alf3aaa1-0f5c-4387-acb1-bc0e8a0268cd
2017-09-16 10:14:57,498 [main] WARN org.apache.pig.PigServer - ATS is disabled since yarn.timeline-service.enabled set to false
grunt>
grunt> █
```

9. Start hive by typing command hive in terminal.

```
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ sudo service mysql start
[sudo] password for acadgild:
Starting mysql: [ OK ]
[acadgild@localhost ~]$ hive
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/home/acadgild/apache-hive-2.1.0-bin/lib/log4j-slf4j-impl-2.4.1.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/home/acadgild/hadoop-2.7.2/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]

Logging initialized using configuration in jar:file:/home/acadgild/apache-hive-2.1.0-bin/lib/hive-common-2.1.0.jar!/hive-log4j2.properties Async: true
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
Hive-on-MR is deprecated in Hive 2 and may not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.
hive> █
```

10.Start hbase by typing command start-hbase.sh in terminal.

A terminal window titled 'acadgild@localhost:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the execution of 'start-hbase.sh' and 'jps'. The output of 'start-hbase.sh' includes 'starting master, logging to /home/acadgild/hbase-1.0.3/logs/hbase-acadgild-master-localhost.localdomain.out'. The output of 'jps' lists several HBase processes with their PIDs: JobHistoryServer (3712), HMaster (4321), Jps (4580), NodeManager (3334), NameNode (2807), ResourceManager (3224), and DataNode (2942).

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ start-hbase.sh  
starting master, logging to /home/acadgild/hbase-1.0.3/logs/hbase-acadgild-master-localhost.localdomain.out  
[acadgild@localhost ~]$ jps  
3712 JobHistoryServer  
4321 HMaster  
4580 Jps  
3334 NodeManager  
2807 NameNode  
3224 ResourceManager  
2942 DataNode  
[acadgild@localhost ~]$
```

Output:-

Acadgild VM is successfully imported in Oracle Virtual Box.

Submitted by

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