



Enterprise Standards and Best Practices For IT Infrastructure.

Sri Lanka Institute of Information Technology.

4th Year Second Semester.

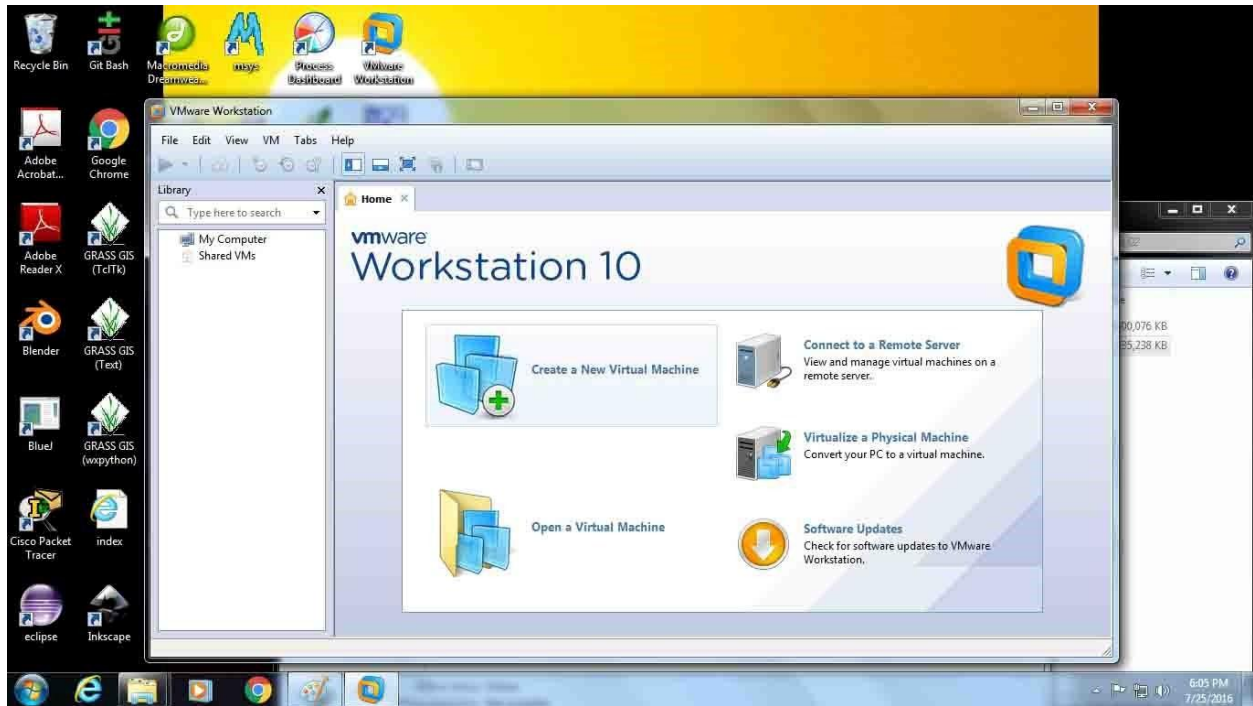
Student ID - IT13002084

Name - Soysa E.A

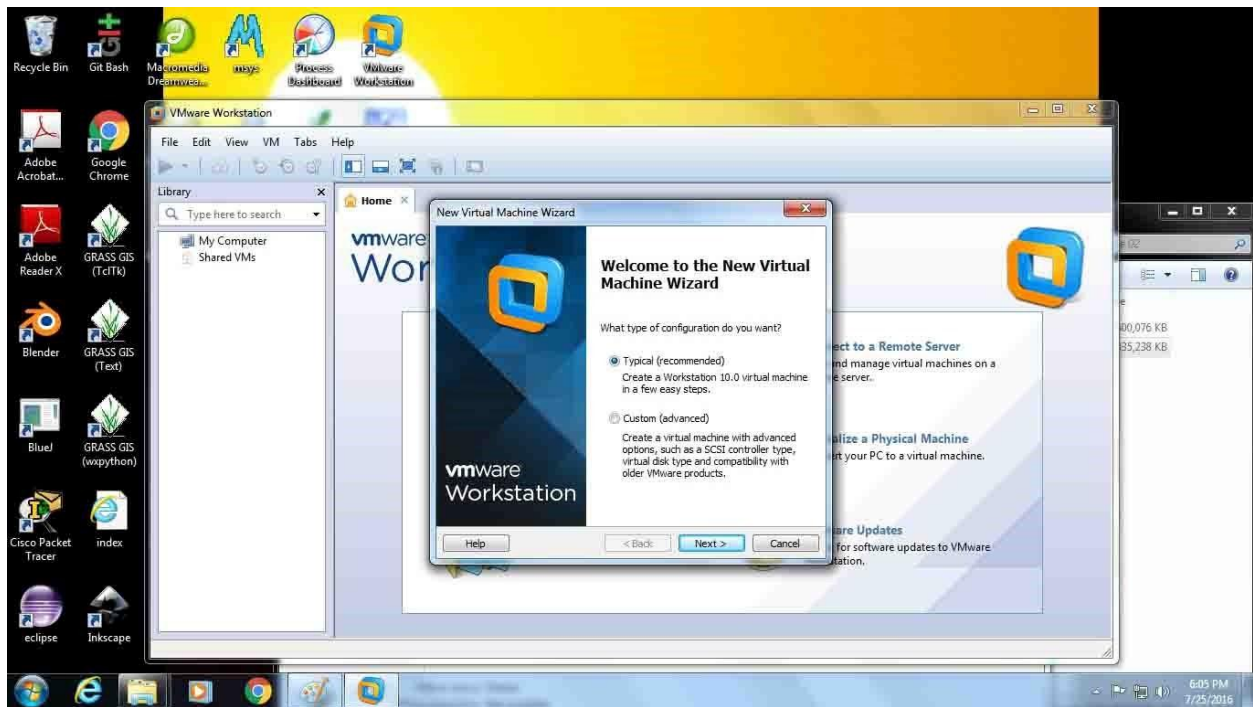
Baremetal Virtual machine Installation.

In here it is going to be shown as to how a virtual bare metal server is installed using VMware workstation.

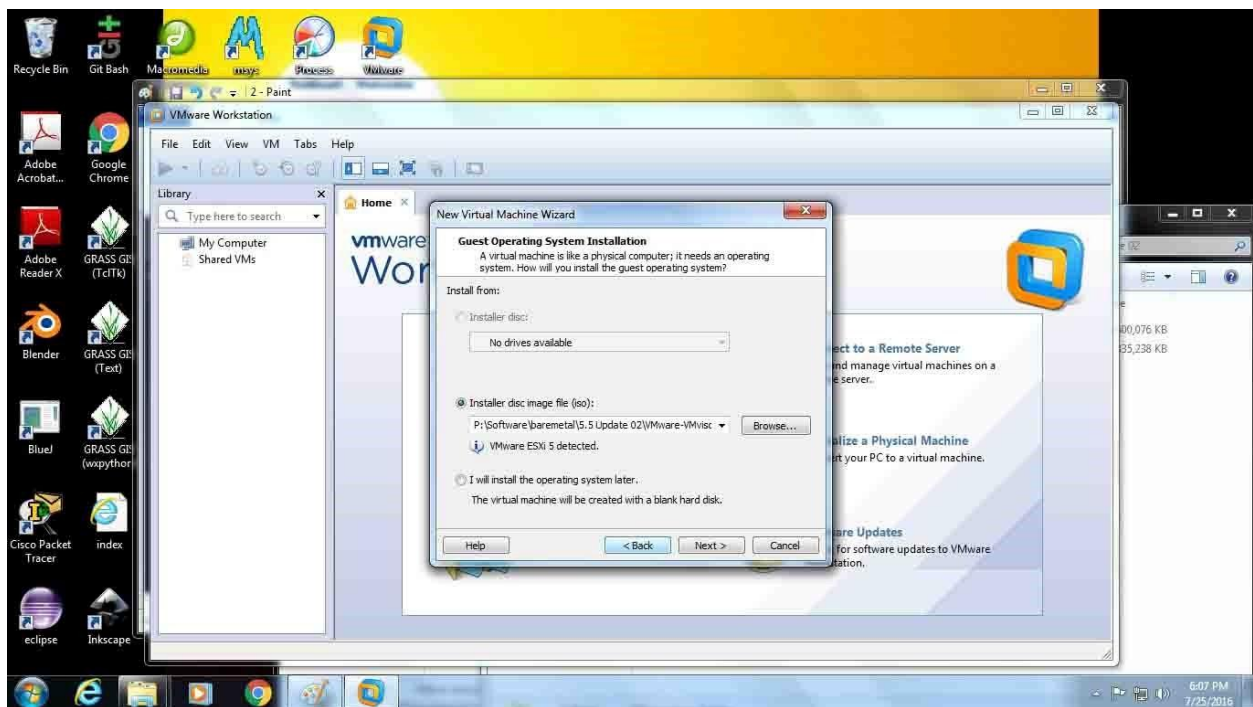
1. Before installing Virtual bare metal server, have to install VMware workstation. After that open VMware workstation, it'll show as shown below. There press "create new virtual machine"



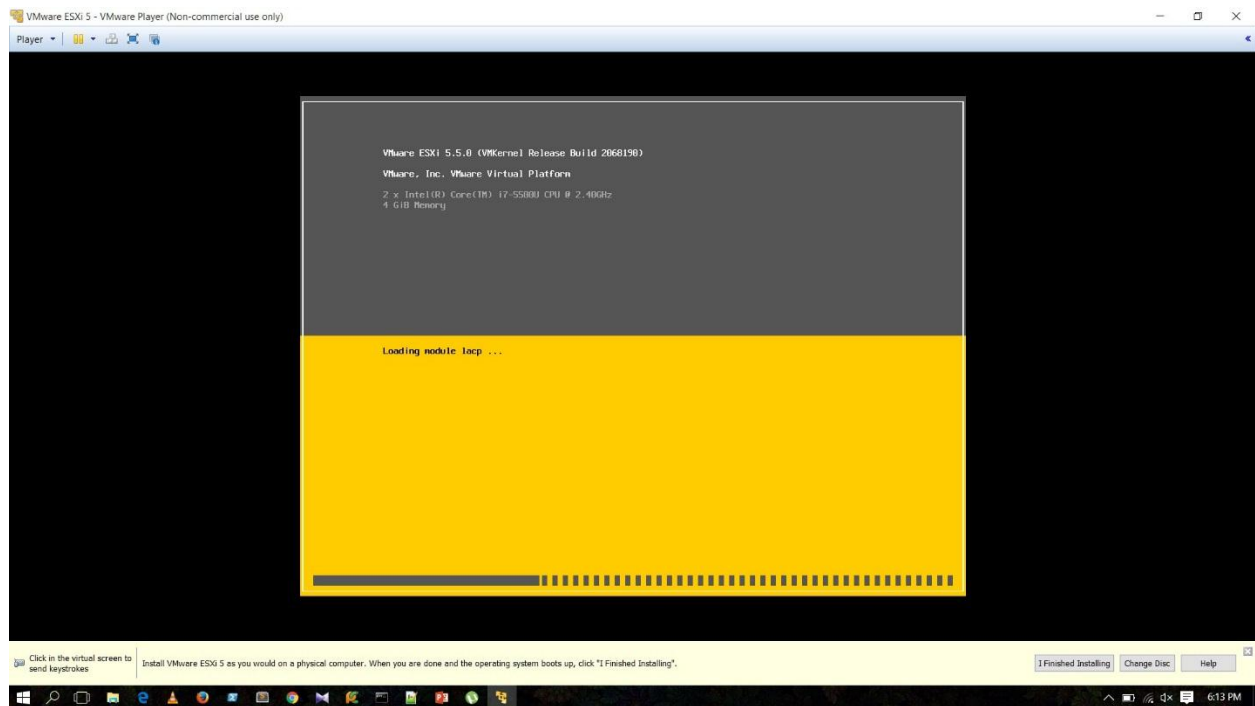
2. Next need to create a virtual machine.



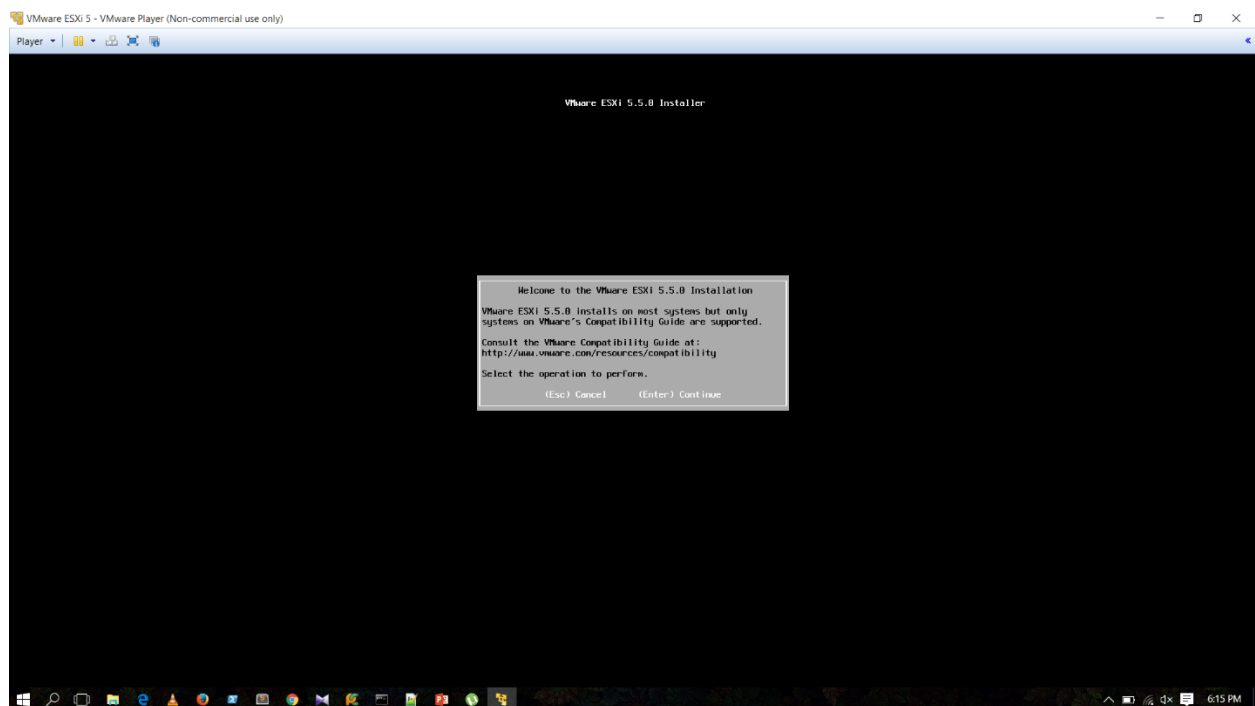
3. Then it will show the VMware workstation ,then their show “create new machine then open that and select VMware-Visor software click open ”



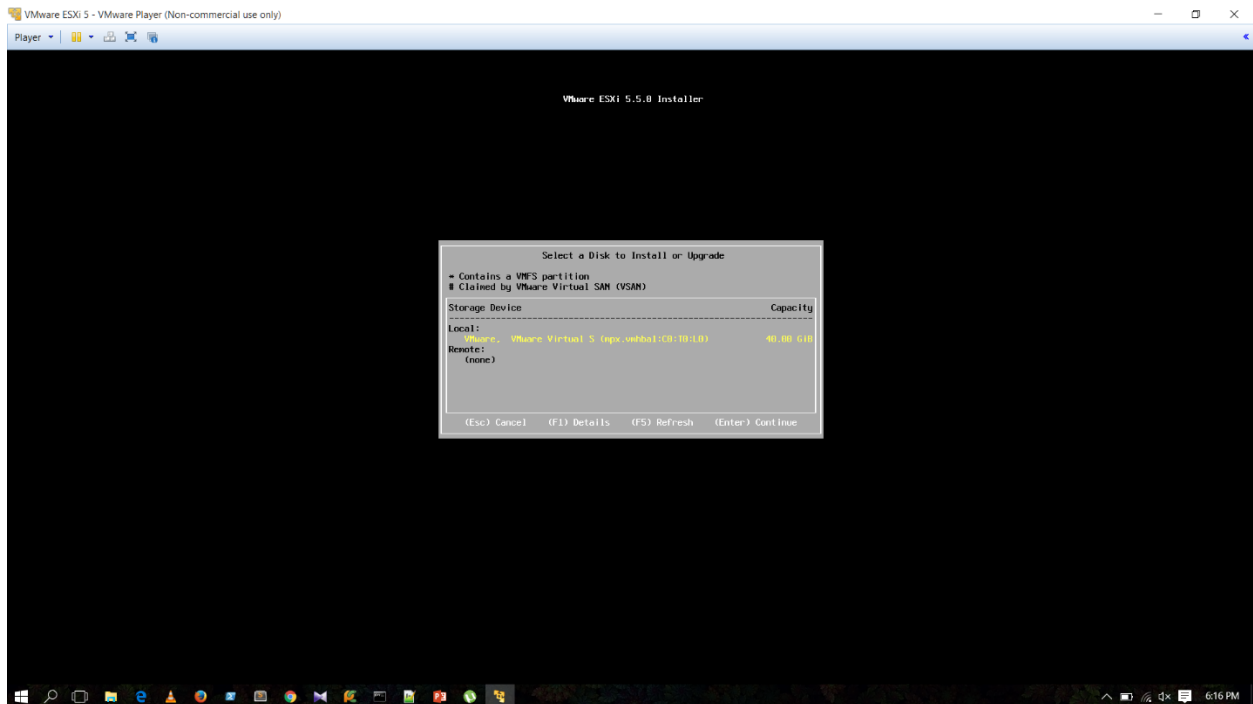
After VM ware loads successfully it will give a specific IP address .You have to remember it or get it saved.



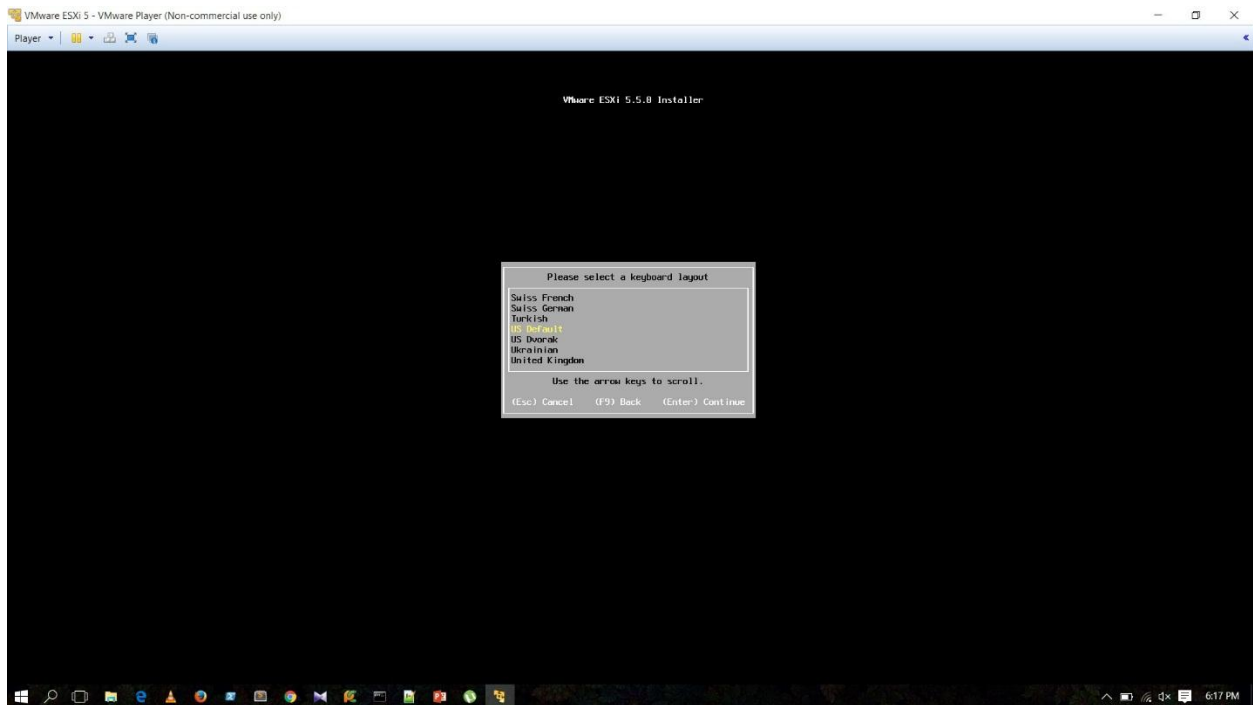
4. Here press Enter to continue.

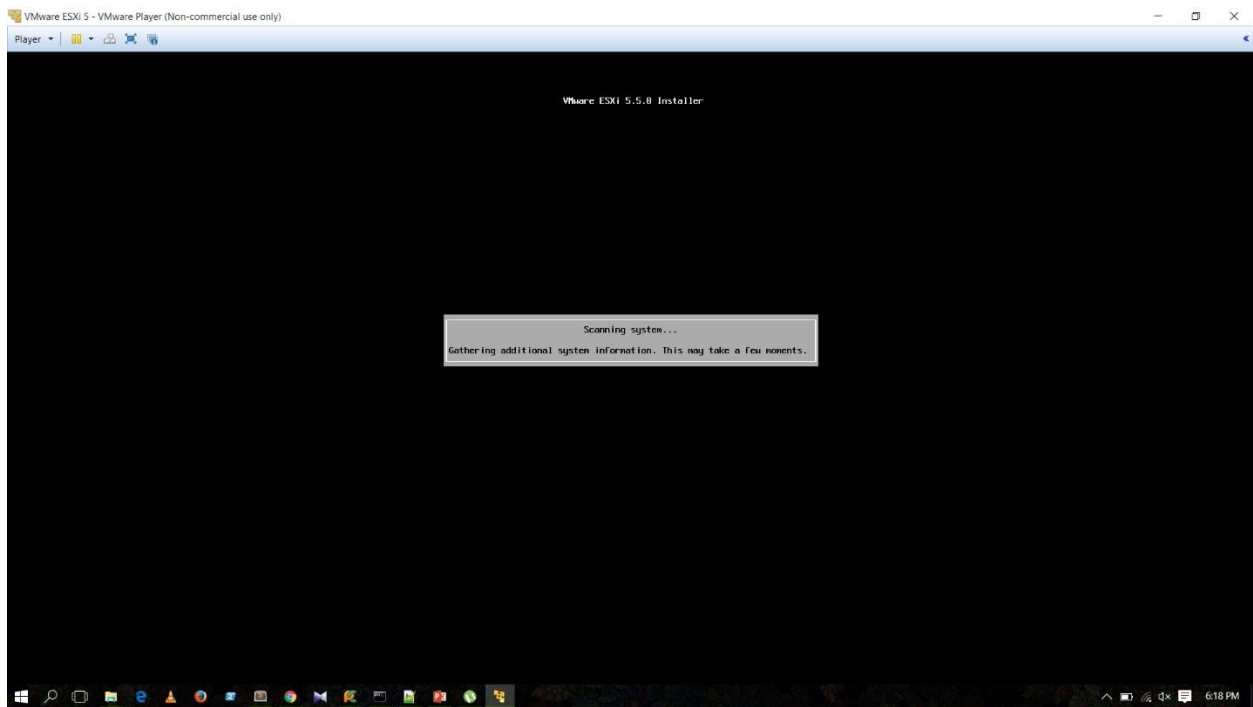


5. Press Enter here.

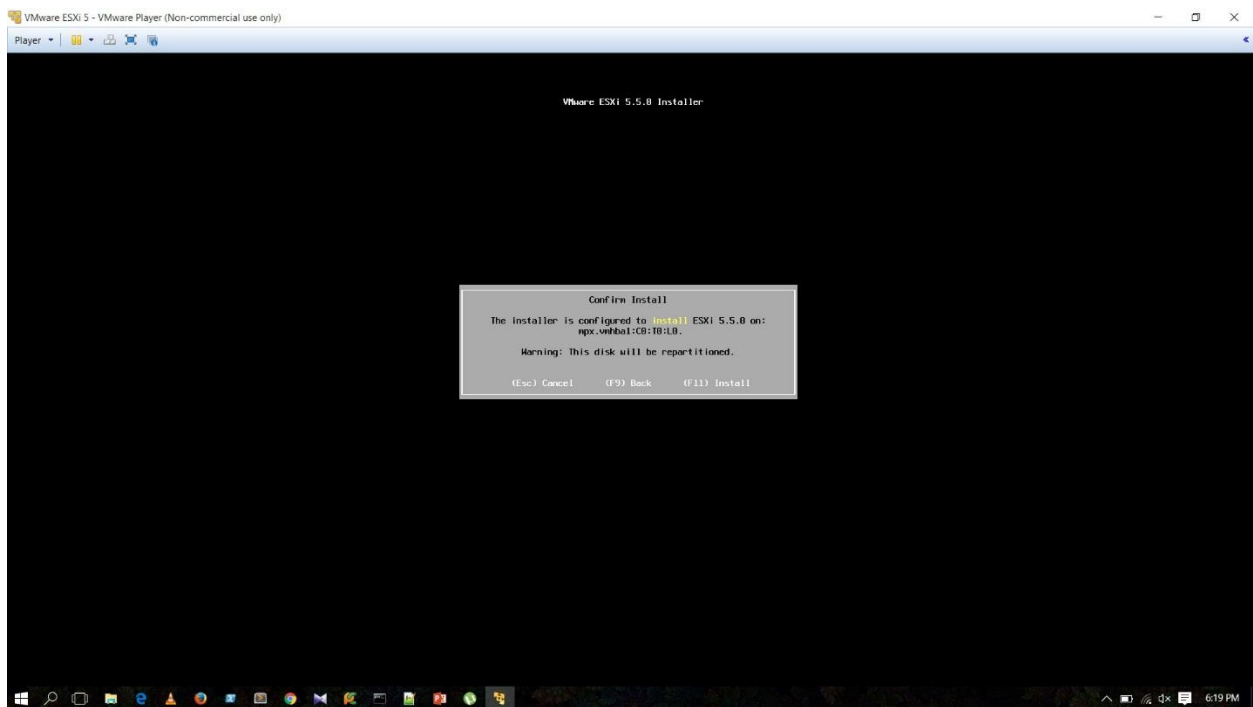


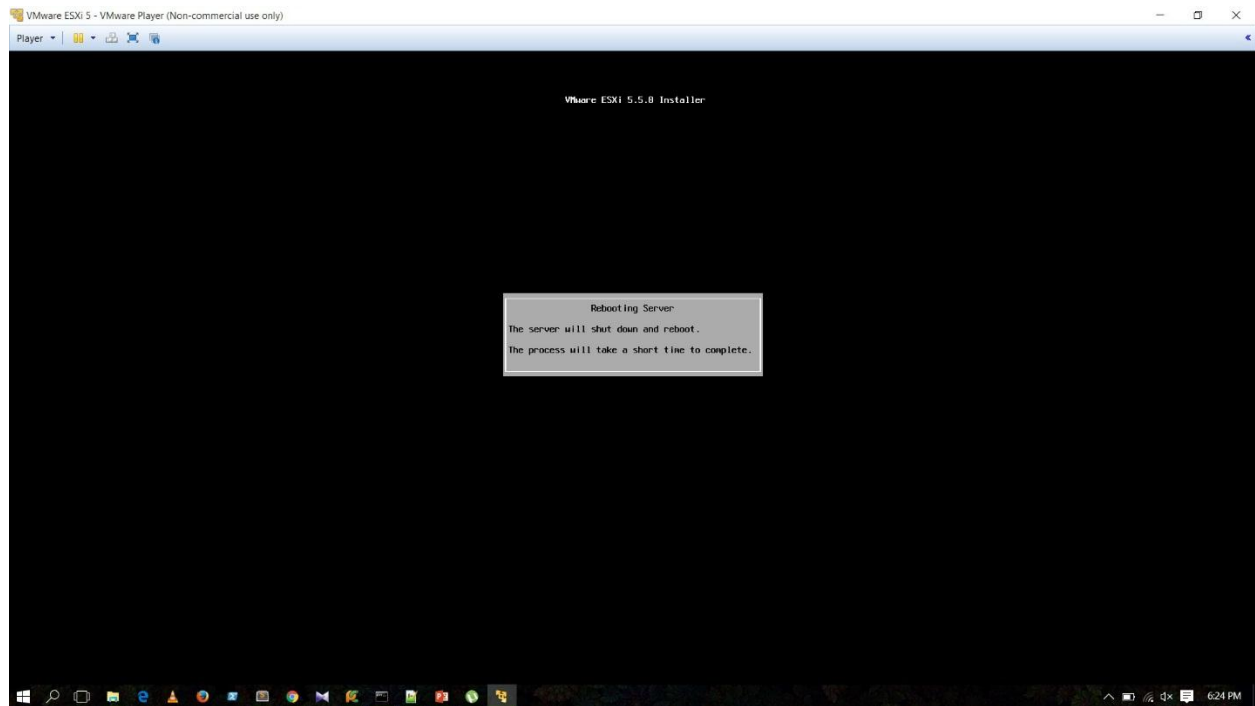
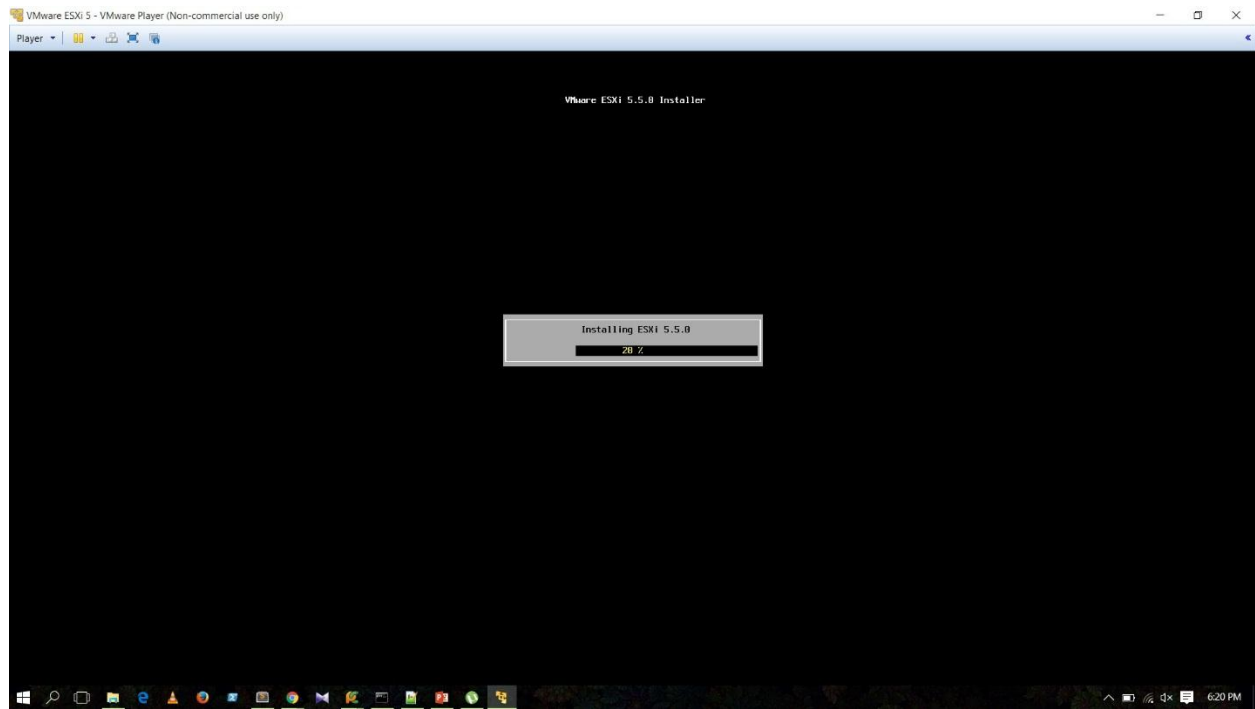
6. Select Default and press Enter.



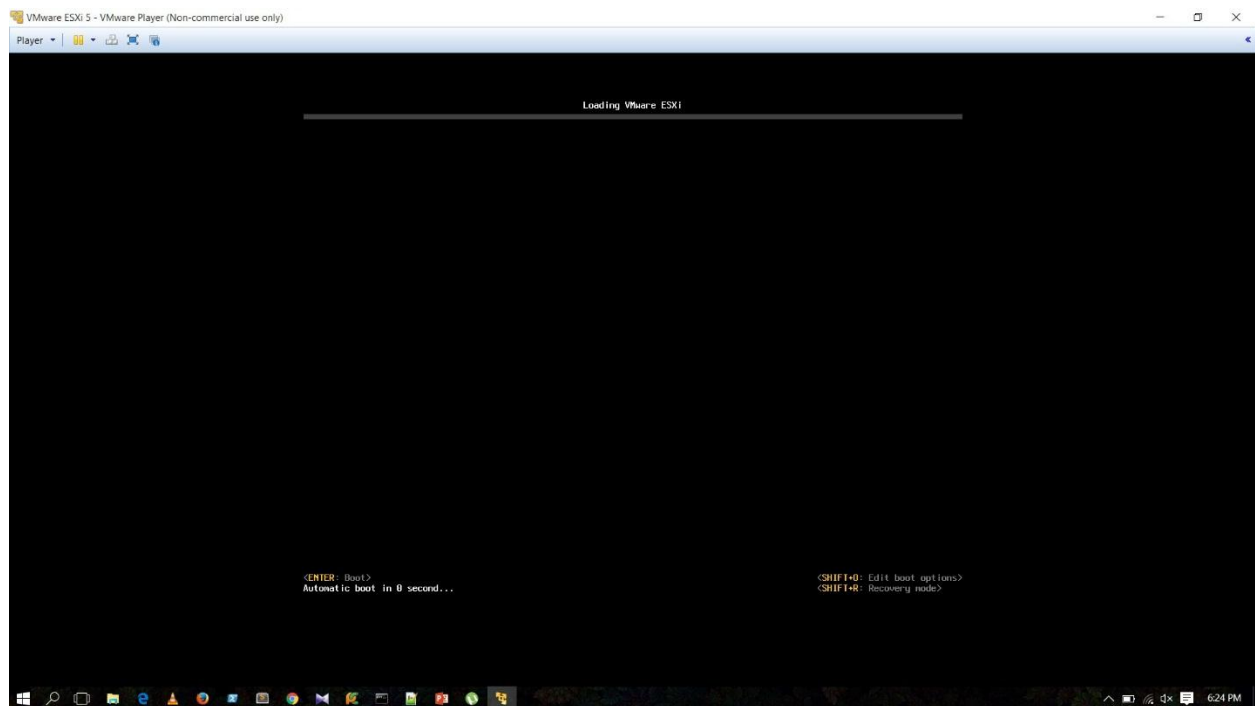
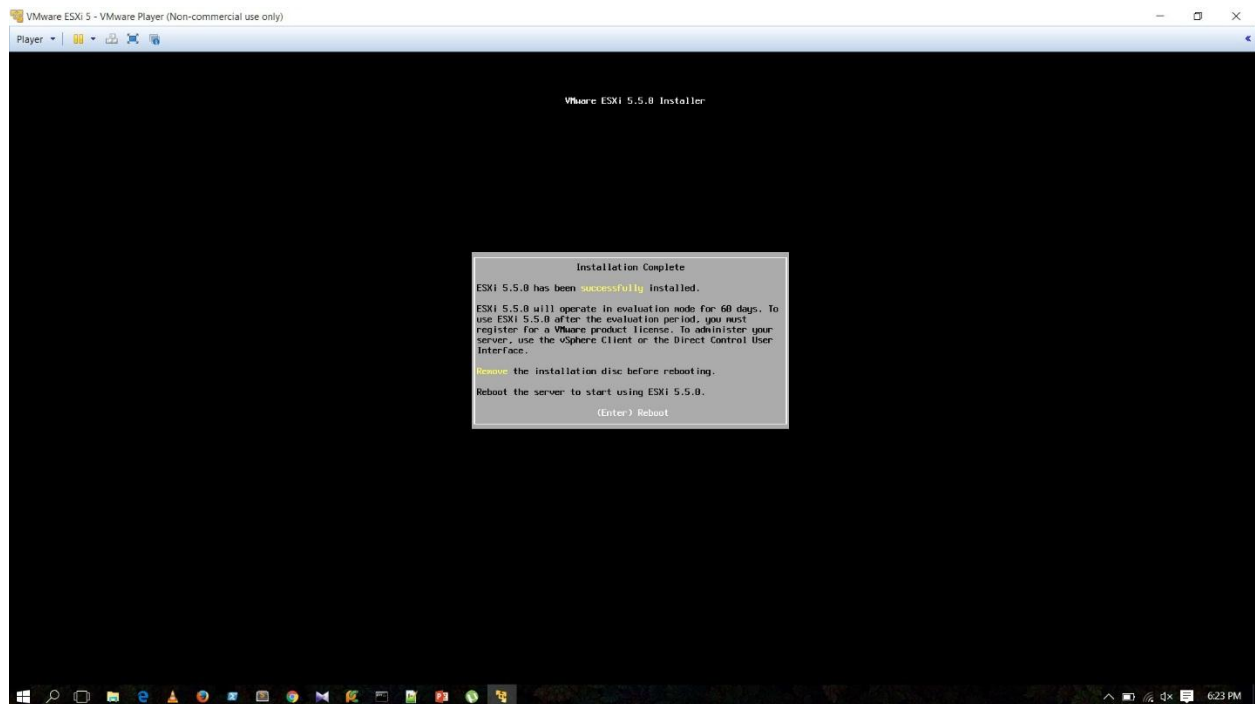


7. Press on install button.

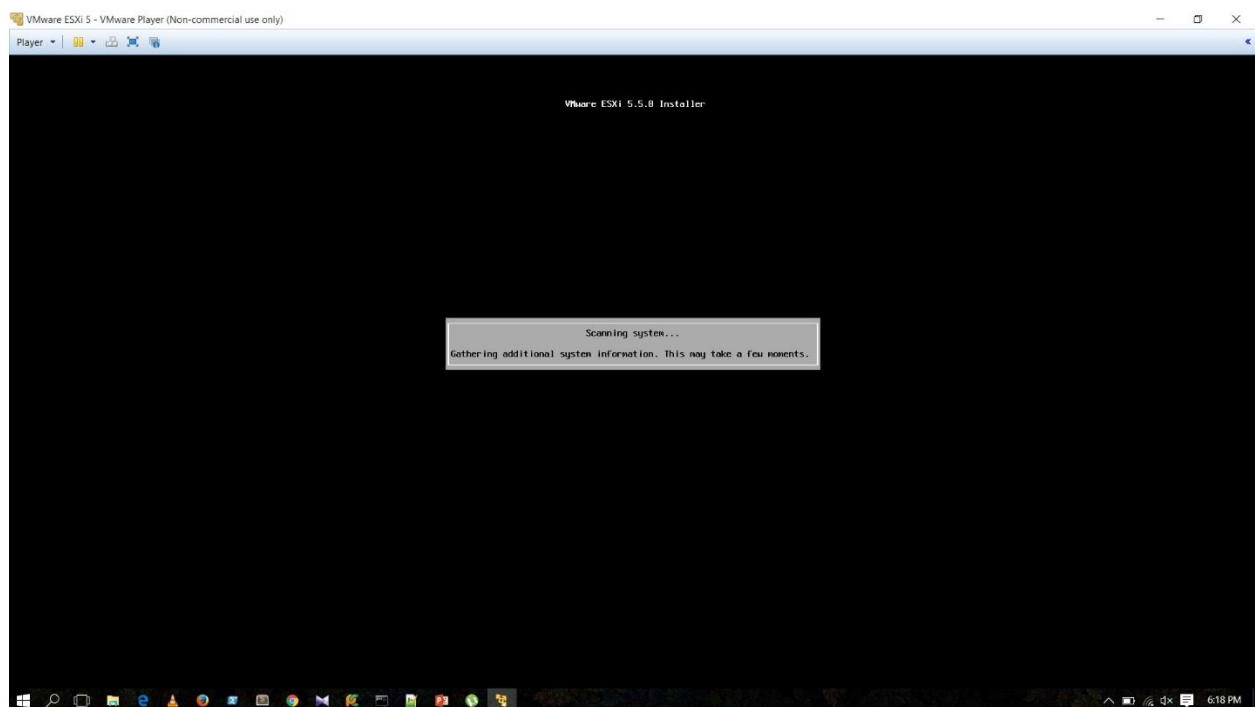
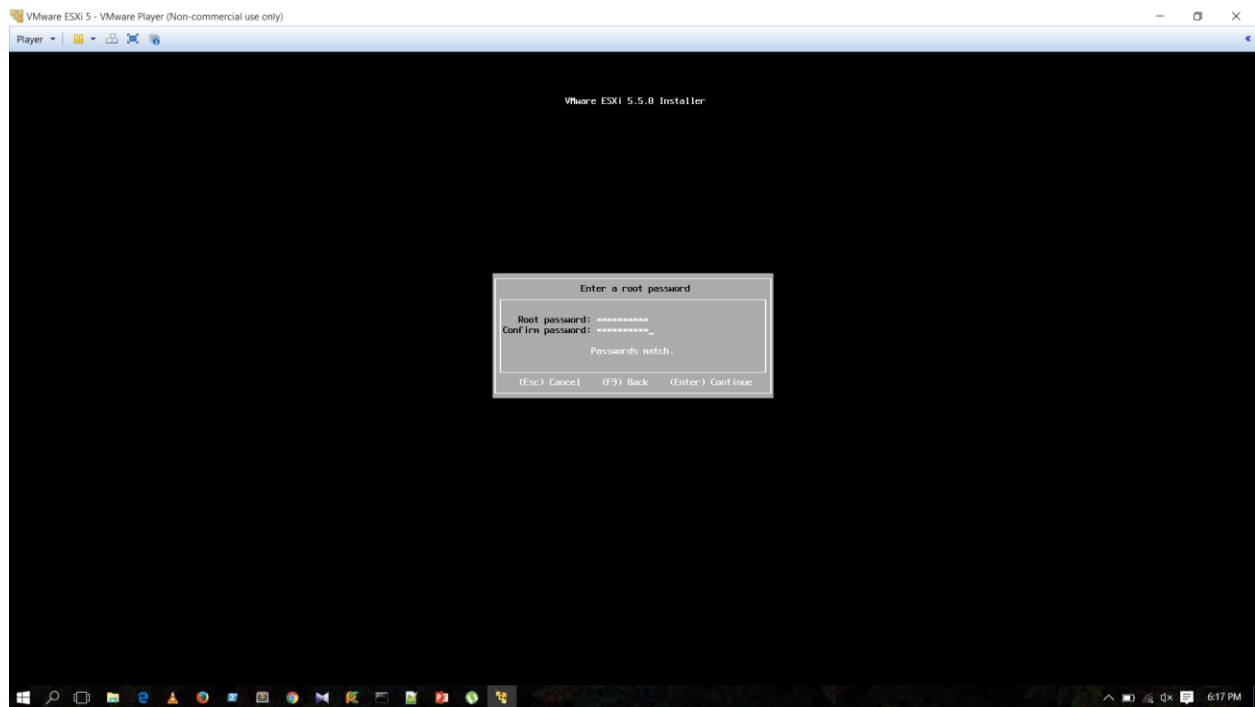


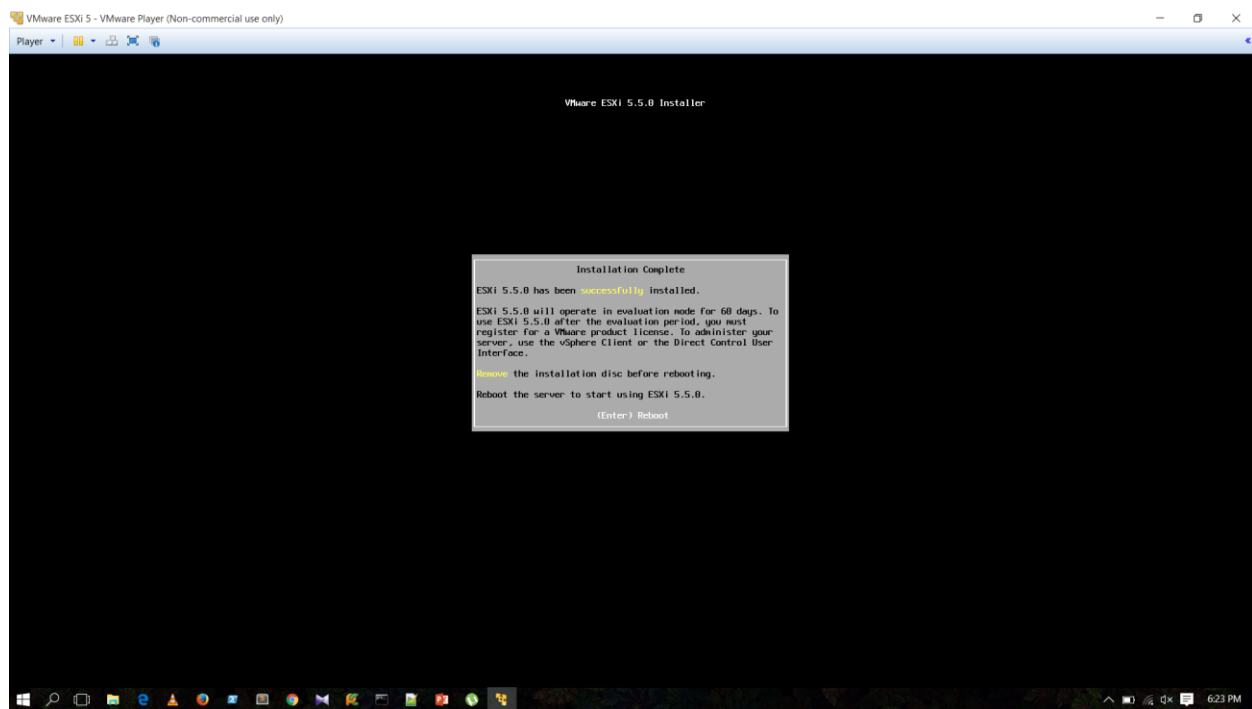
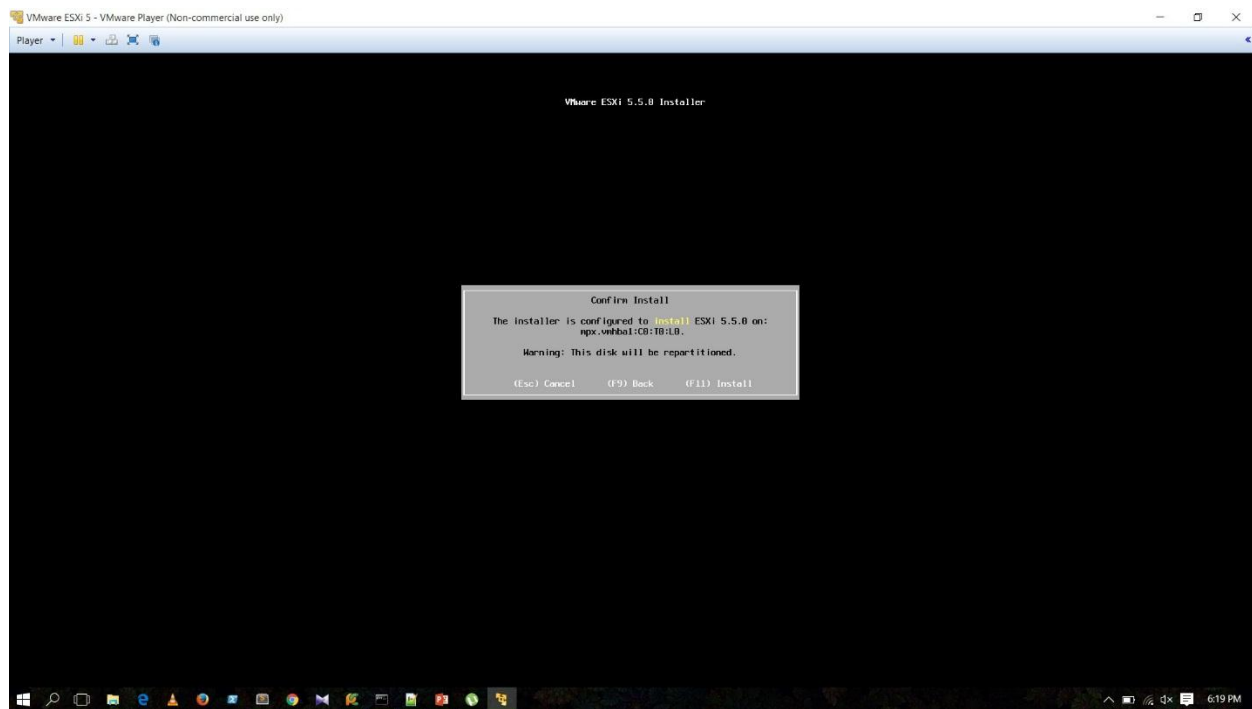


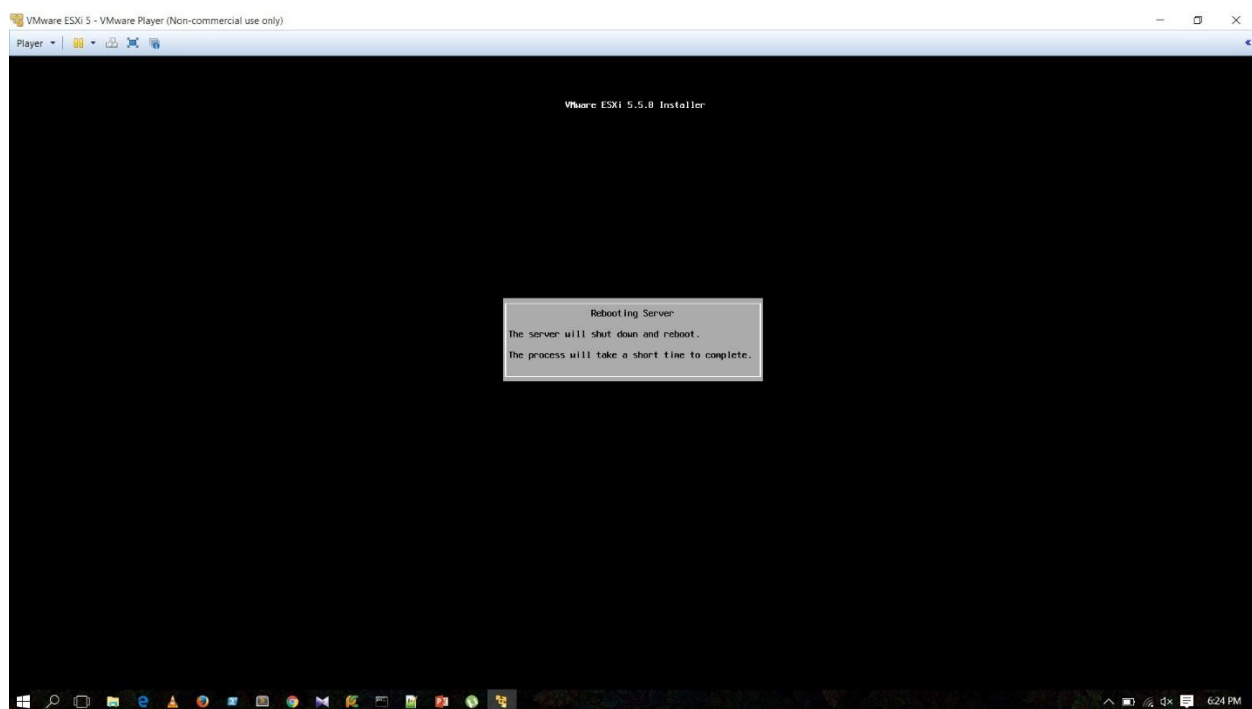
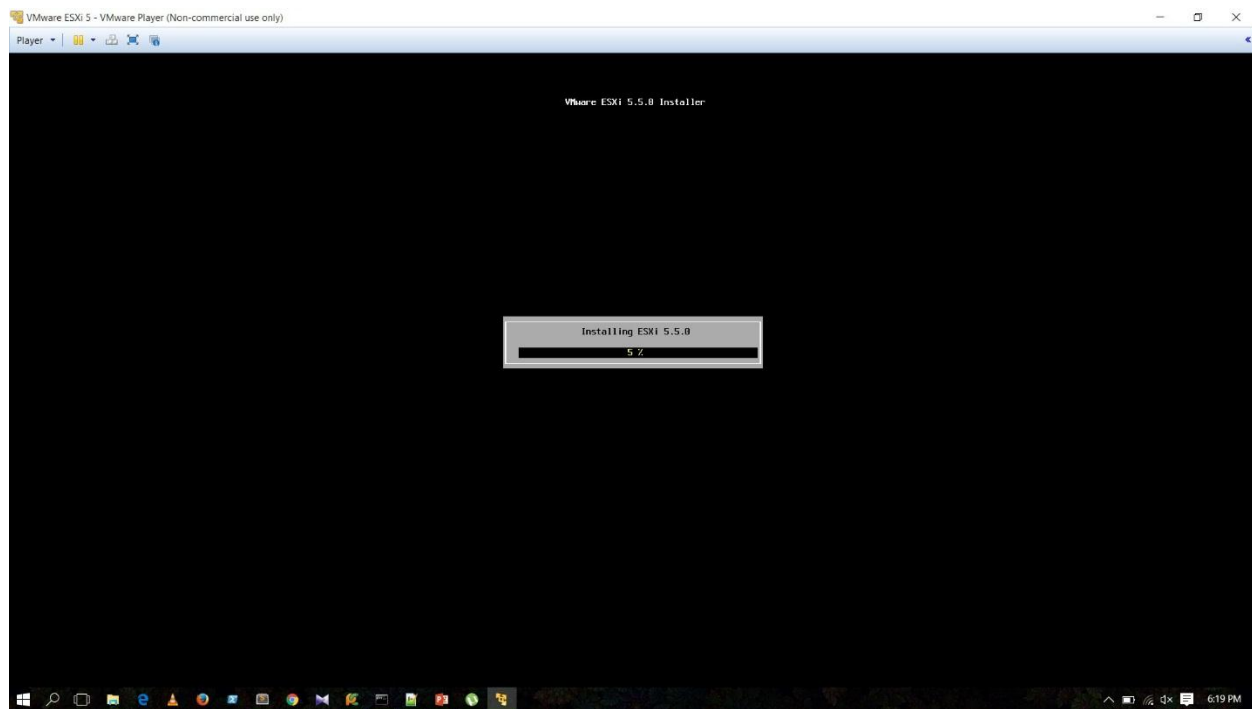
8. Here press Enter to Reboot.

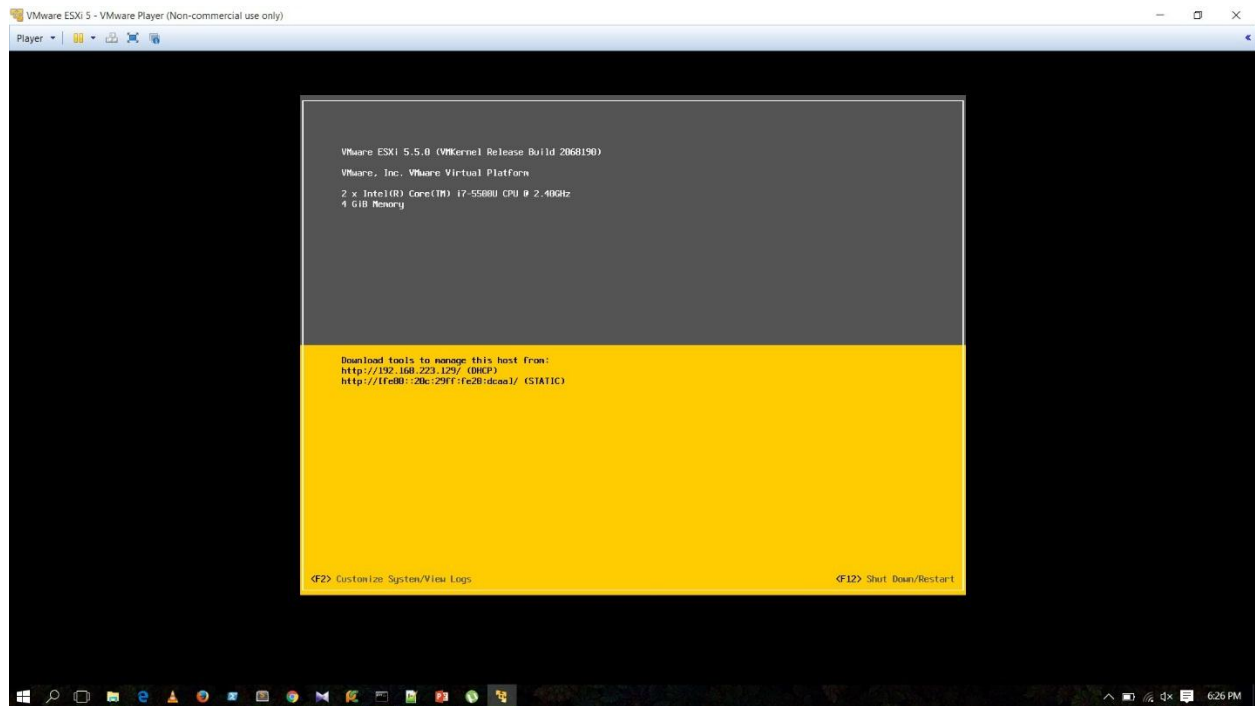
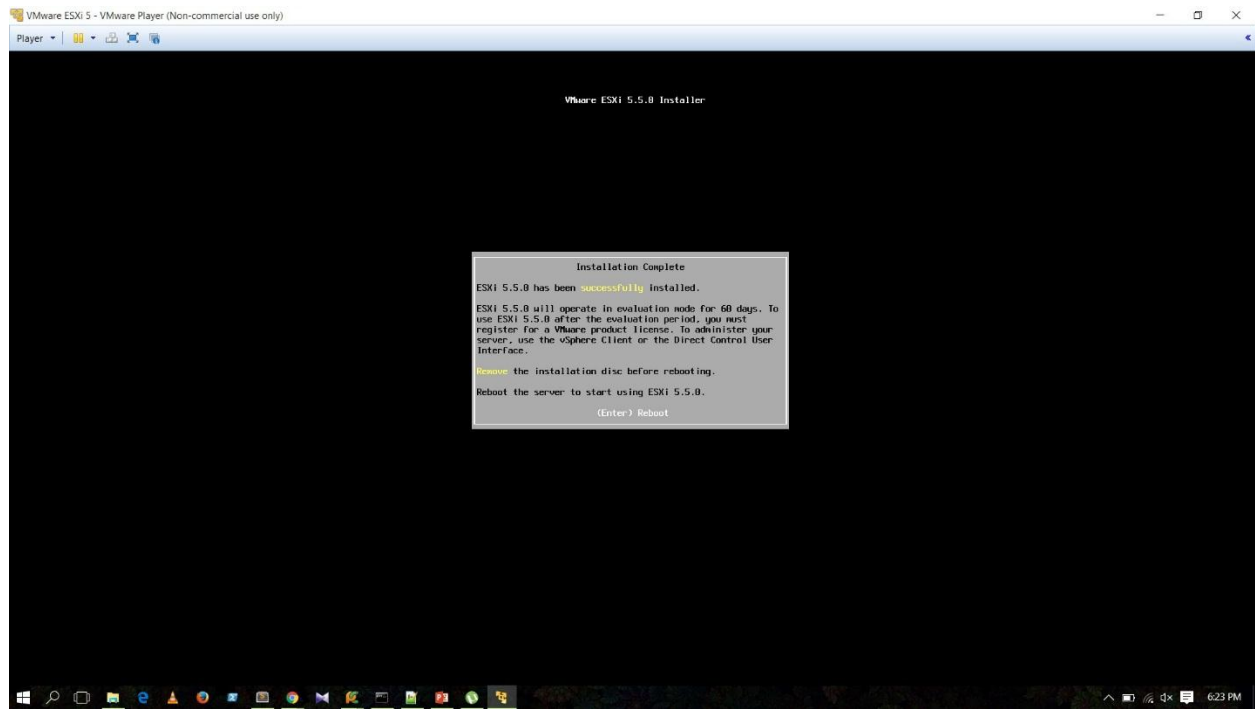


9. In here give a password.

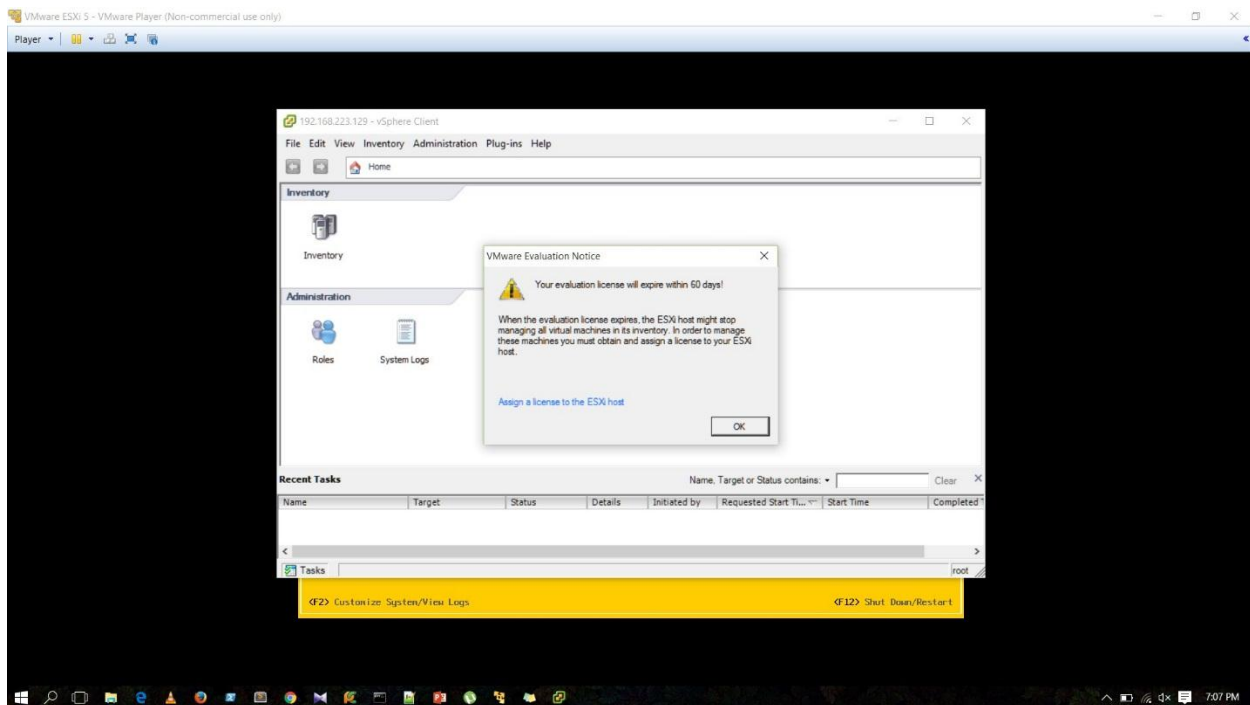
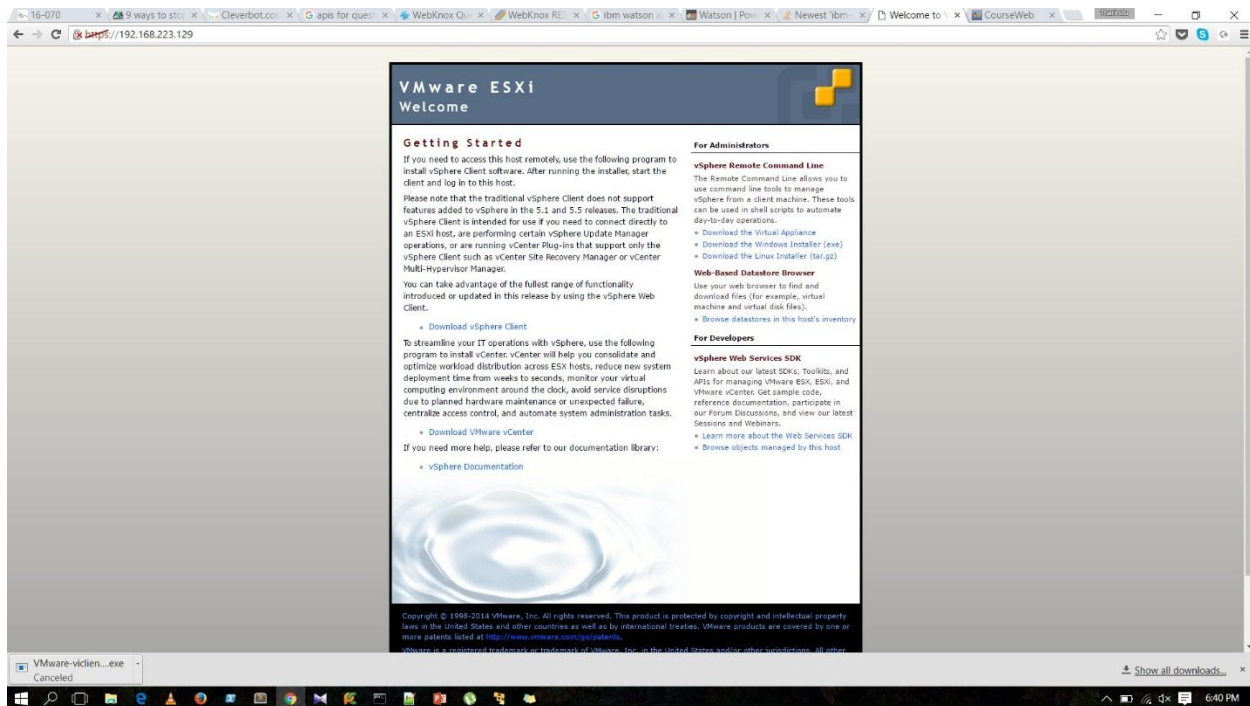


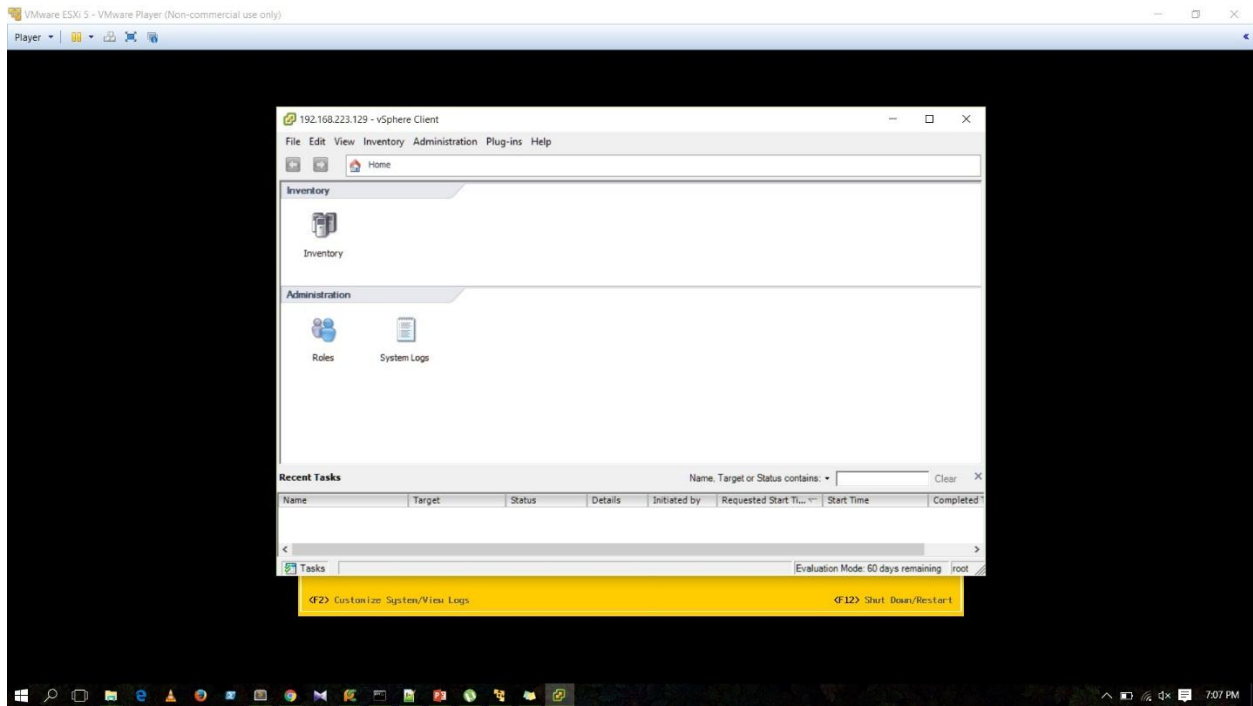
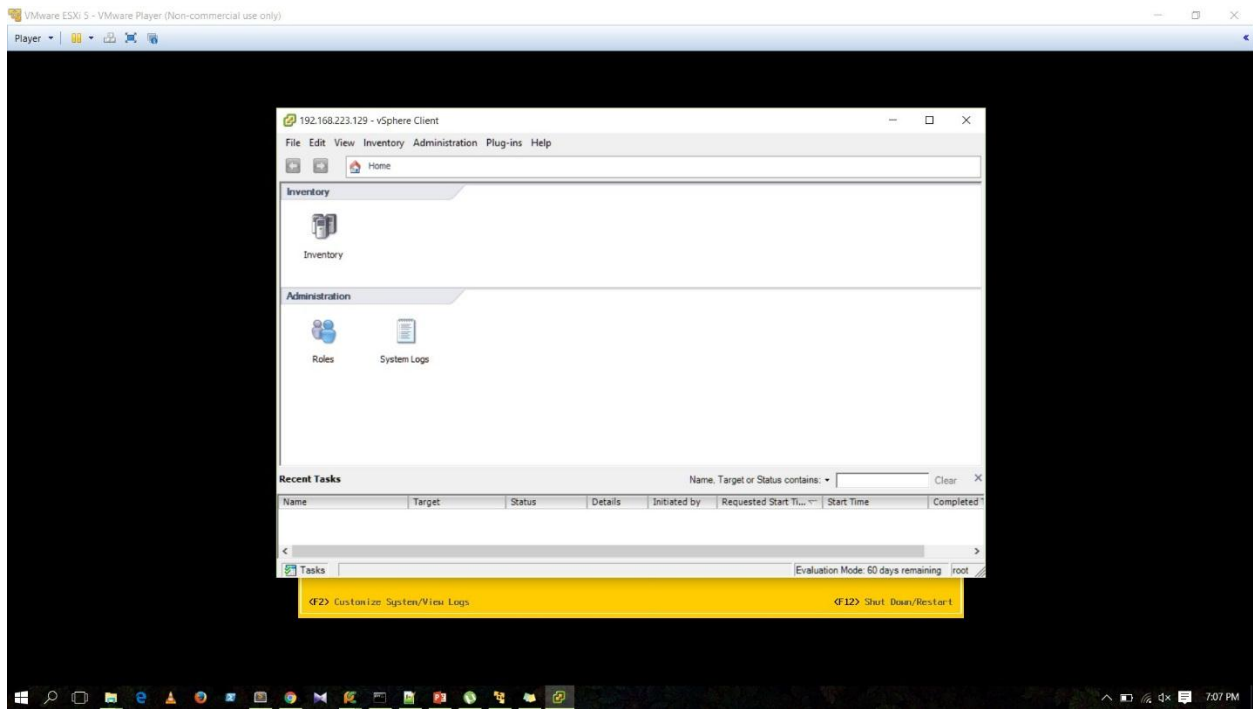






10. Now need to install another software call VMware vSphere client installation. First click on that and it start the create client, and then click “next button” to install that software.

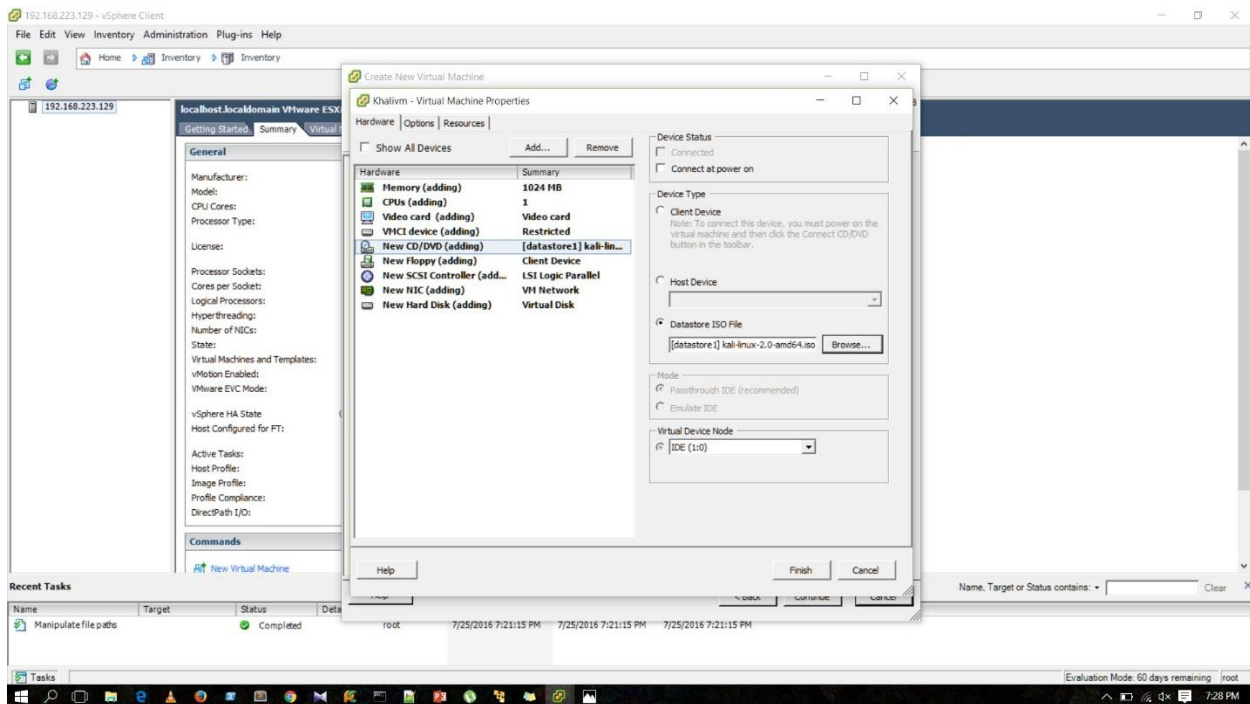




11. Now need give ip address, the username (as root) and the given password.



12. Now display vSphere clientsummary, you have to upload” kali –Linux “to this client software to create VMware Linux platform .After selecting OS it take little time to upload to vSphere client.



192.168.223.129 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Home Inventory Inventory

192.168.223.129 localhost.localdomain VMware ESXi 5.5.0, 2068190 | Evaluation (60 days remaining)

Getting Started Summary Virtual Machines Resource Allocation Performance Configuration Local Users & Groups Events Permissions

General

Manufacturer: VMware, Inc.
Model: VMware Virtual Platform
CPU Cores: 2 CPUs x 2.396 GHz
Processor Type: Intel(R) Core(TM) i7-5500U
CPU @ 2.40GHz
License: Evaluation Mode -
Processor Sockets: 2
Cores per Socket: 1
Logical Processors: 2
Hyperthreading: Inactive
Number of NICs: 1
State: Connected
Virtual Machines and Templates: 0
vMotion Enabled: N/A
VMware EVC Mode: Disabled
vSphere HA State: N/A
Host Configured for FT: N/A
Active Tasks: 0
Host Profile: N/A
Image Profile: ESXi-5.5.0-20140902001-st...
Profile Compliance: N/A
DirectPath I/O: Not supported

Resources

CPU usage: **122 MHz** Capacity 2 x 2.396 GHz
Memory usage: **1155.00 MB** Capacity 4095.49 MB

Storage

Storage	Drive Type	Capacity
datastore1	Non-SSD	32.50 GB 31

Network

Network	Type
VM Network	Standard port group

Fault Tolerance

Fault Tolerance Version: 5.0.0-5.0.0-5.0.0
Total Primary VMs: 0 [Refresh Virtual Machine Counts](#)
Powered On Primary VMs: 0
Total Secondary VMs: 0
Powered On Secondary VMs: 0

Host Management

[Manage this host through VMware vCenter.](#)

Commands

[New Virtual Machine](#)

Recent Tasks

Name	Target	Status	Details	Initiated by	Requested Start Time	Start Time	Completed Time
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Tasks

Evaluation Mode: 60 days remaining host

7:15 PM

192.168.223.129 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Home

Inventory

Inventory

Administration

Roles System Logs

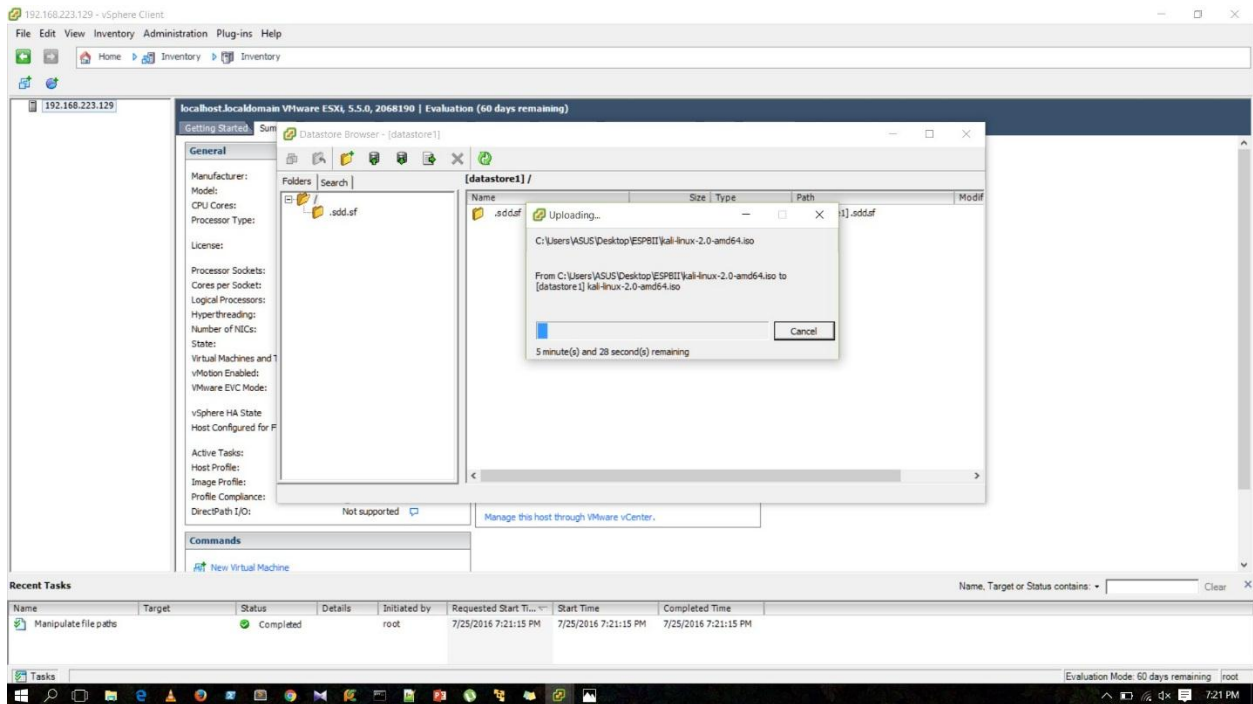
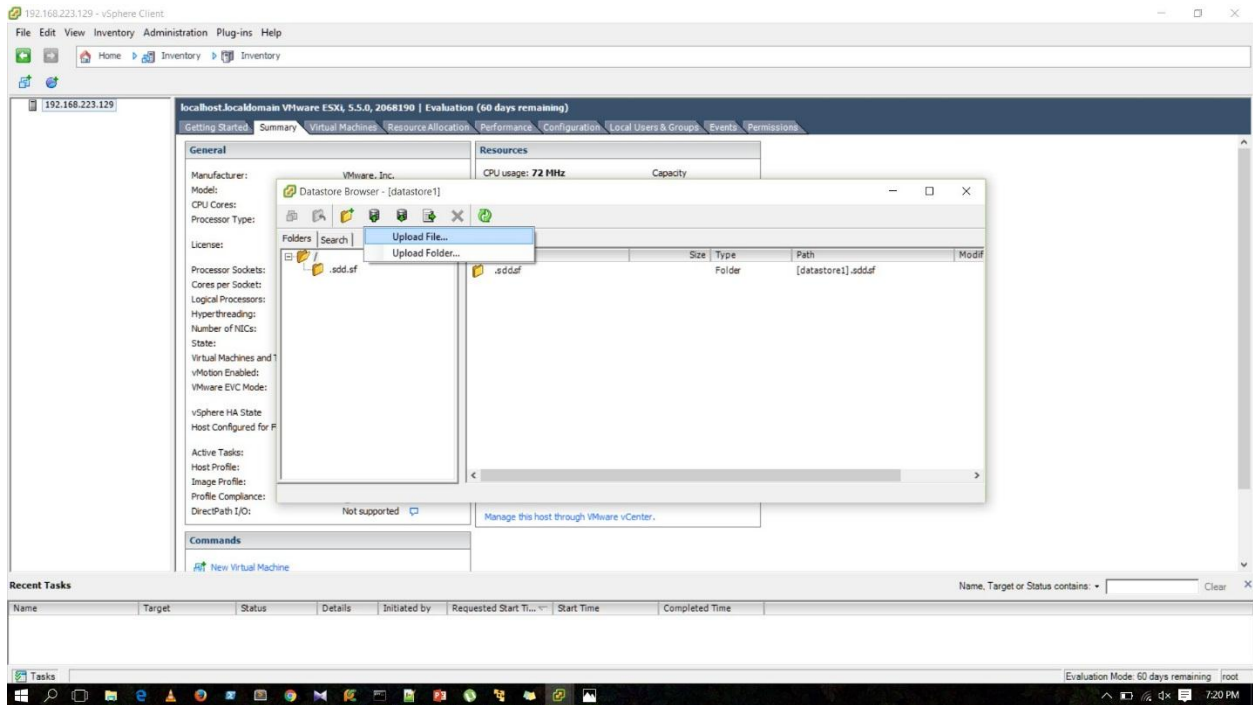
Recent Tasks

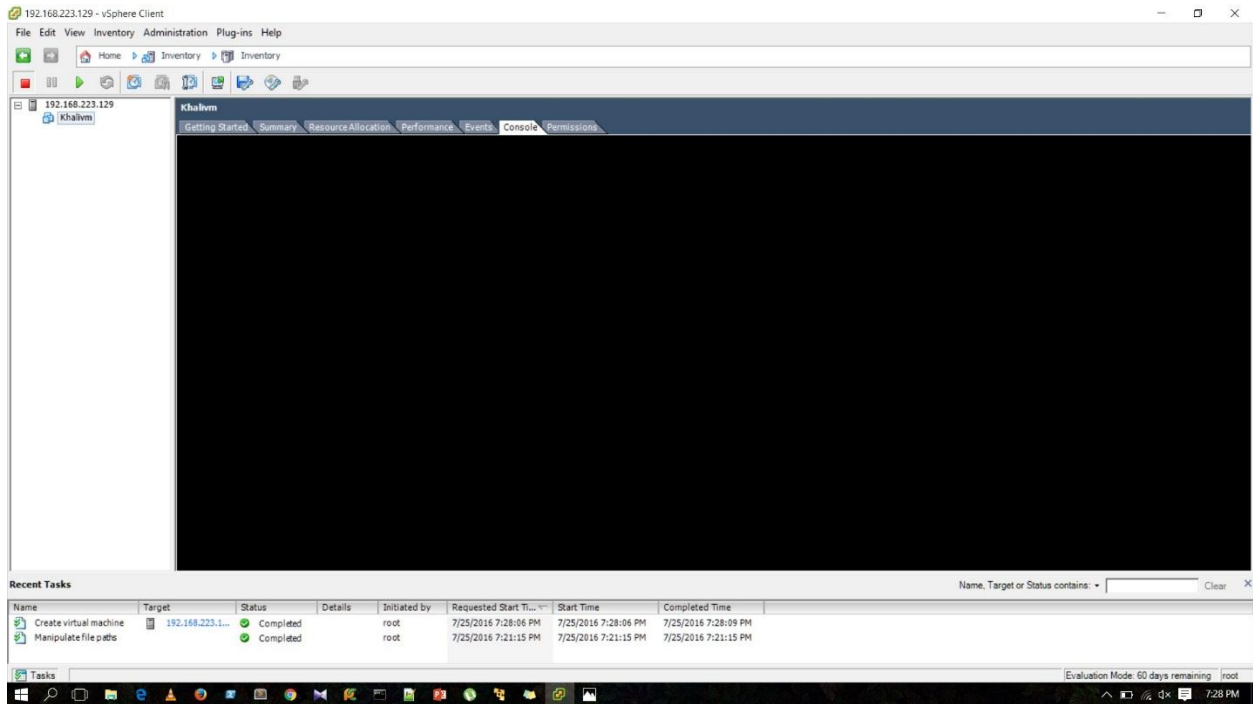
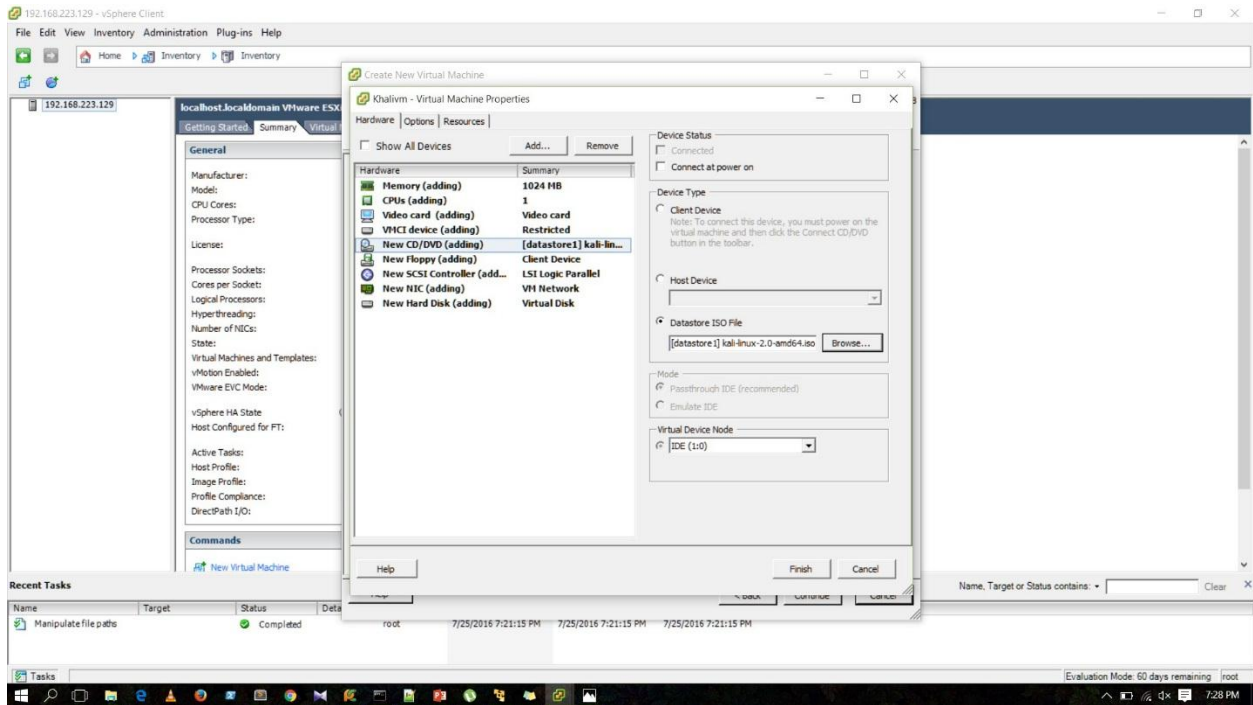
Name	Target	Status	Details	Initiated by	Requested Start Time	Start Time	Completed Time
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Tasks

Evaluation Mode: 60 days remaining host

7:16 PM





192.168.223.129 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Home Inventory Inventory

192.168.223.129 Khalvm

Khalvm on localhost.localdomain

File View VM

Recent Tasks

Name	Target	Status	Details	Initiated by	Requested Start Time	Start Time	Completed Time
Power On virtual mach...	Khalvm	Completed		root	7/25/2016 7:29:36 PM	7/25/2016 7:29:36 PM	7/25/2016 7:29:39 PM
Create virtual machine	192.168.223.1...	Completed		root	7/25/2016 7:28:06 PM	7/25/2016 7:28:06 PM	7/25/2016 7:28:09 PM
Manipulate file path		Completed		root	7/25/2016 7:21:15 PM	7/25/2016 7:21:15 PM	7/25/2016 7:21:15 PM

Tasks

Evaluation Mode: 60 days remaining | root

7:29 PM

192.168.223.129 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Home Inventory Inventory

192.168.223.129 Khalvm

Khalvm

Number of active connections has changed. There are now 2 active connections to this console.

```
Network boot from Intel E1000
Copyright (C) 2003-2008 VMware, Inc.
Copyright (C) 1997-2008 Intel Corporation

CLIENT MAC ADDR: 08 0C 29 8E E9 32 GUID: 564D15C4-FC92-4A3E-4A8C-9614648EE932
PXE-E53: No boot filename received

PXE-M0F: Exiting Intel PXE ROM.
Operating System not found
-
```

Recent Tasks

Name	Target	Status	Details	Initiated by	Requested Start Time	Start Time	Completed Time
Power On virtual mach...	Khalvm	Completed		root	7/25/2016 7:29:36 PM	7/25/2016 7:29:36 PM	7/25/2016 7:29:39 PM
Create virtual machine	192.168.223.1...	Completed		root	7/25/2016 7:28:06 PM	7/25/2016 7:28:06 PM	7/25/2016 7:28:09 PM
Manipulate file path		Completed		root	7/25/2016 7:21:15 PM	7/25/2016 7:21:15 PM	7/25/2016 7:21:15 PM

Tasks

Evaluation Mode: 60 days remaining | root

7:30 PM

