



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

Vmotion Requirement Submission

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IT12138814

Marasinghe.M.M.K.B

IT13127374

Group Number: Group 02

Practical Session: <WD Friday>

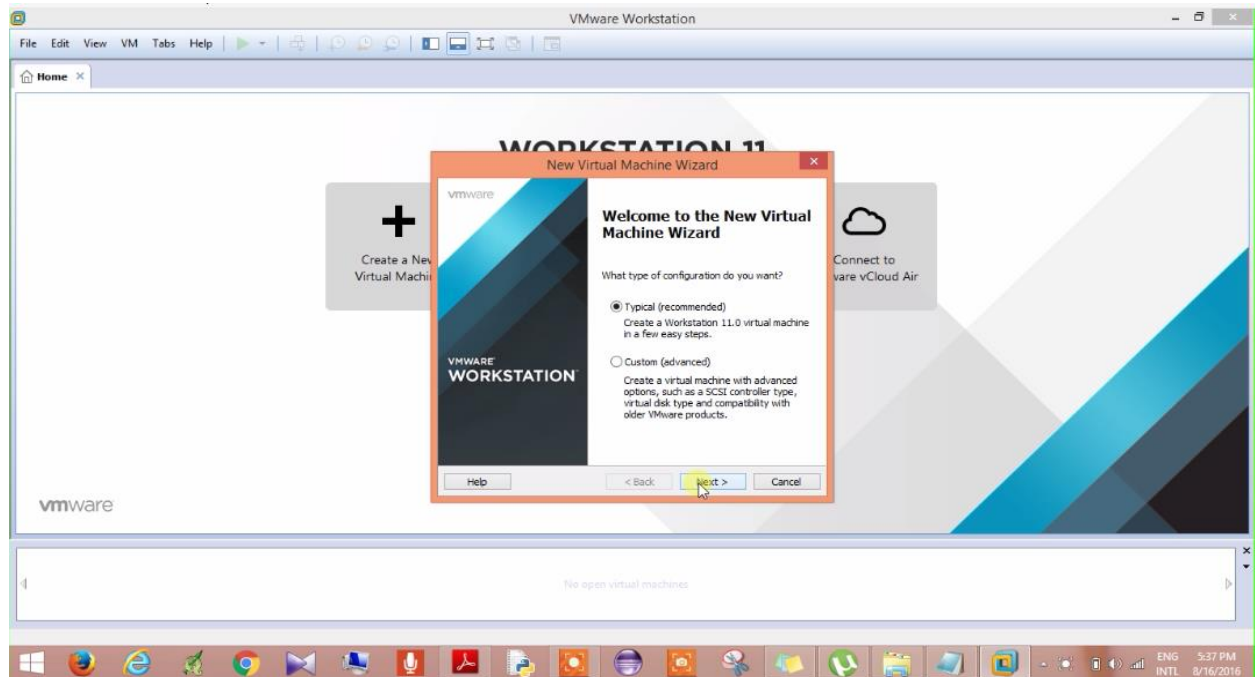
Practical Number : <Lab 5 >

Date of Submission: 18-09-2016

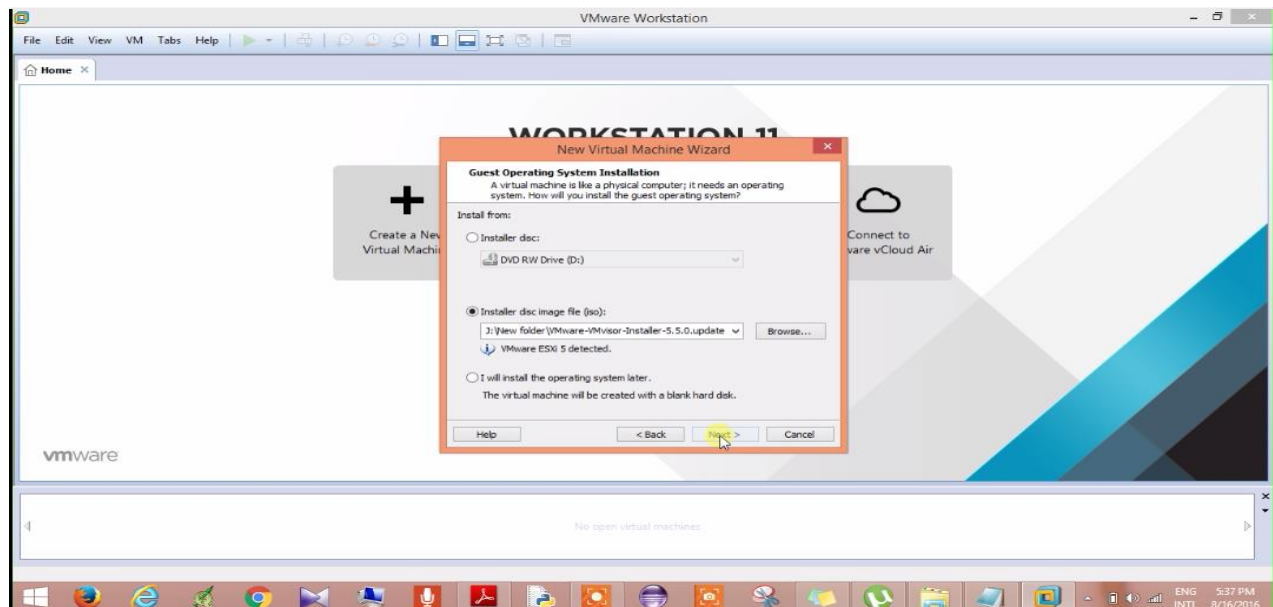
Date of Evaluation : _____

Evaluators Signature : _____

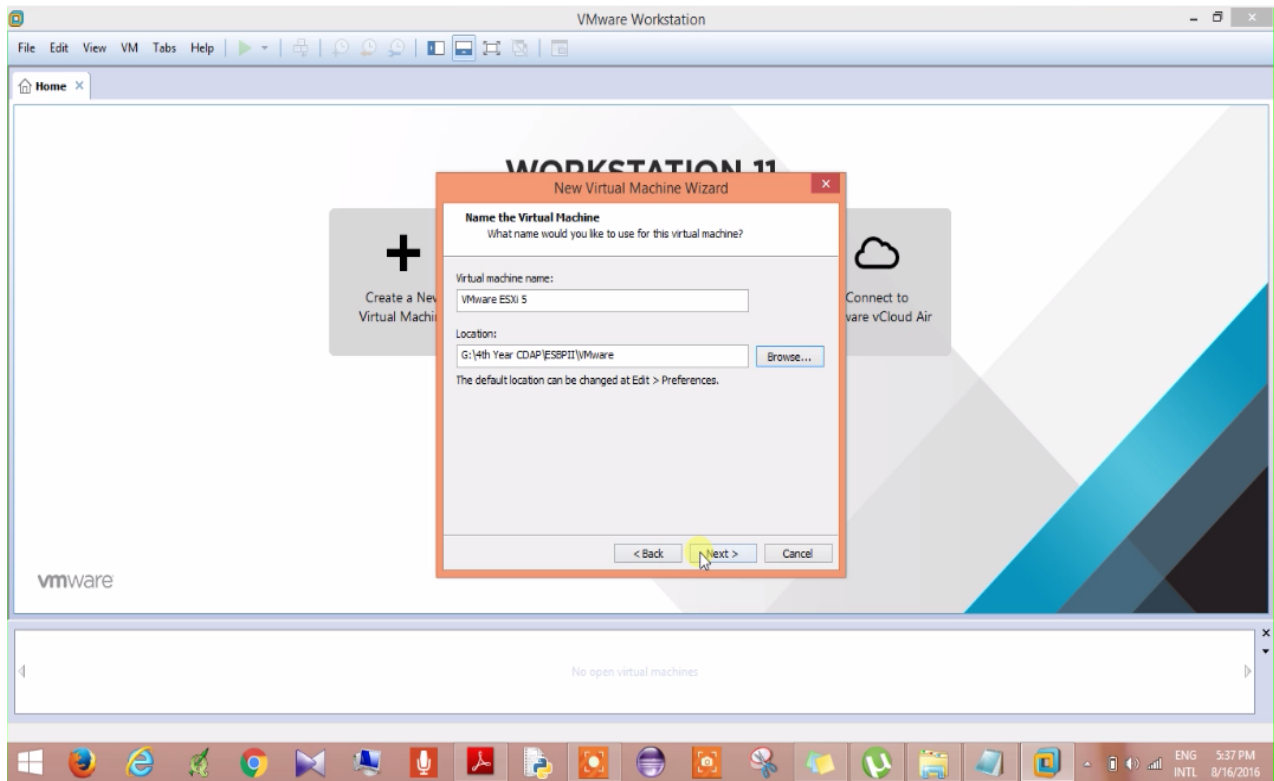
Select create new virtual machine. Click 'Typical'



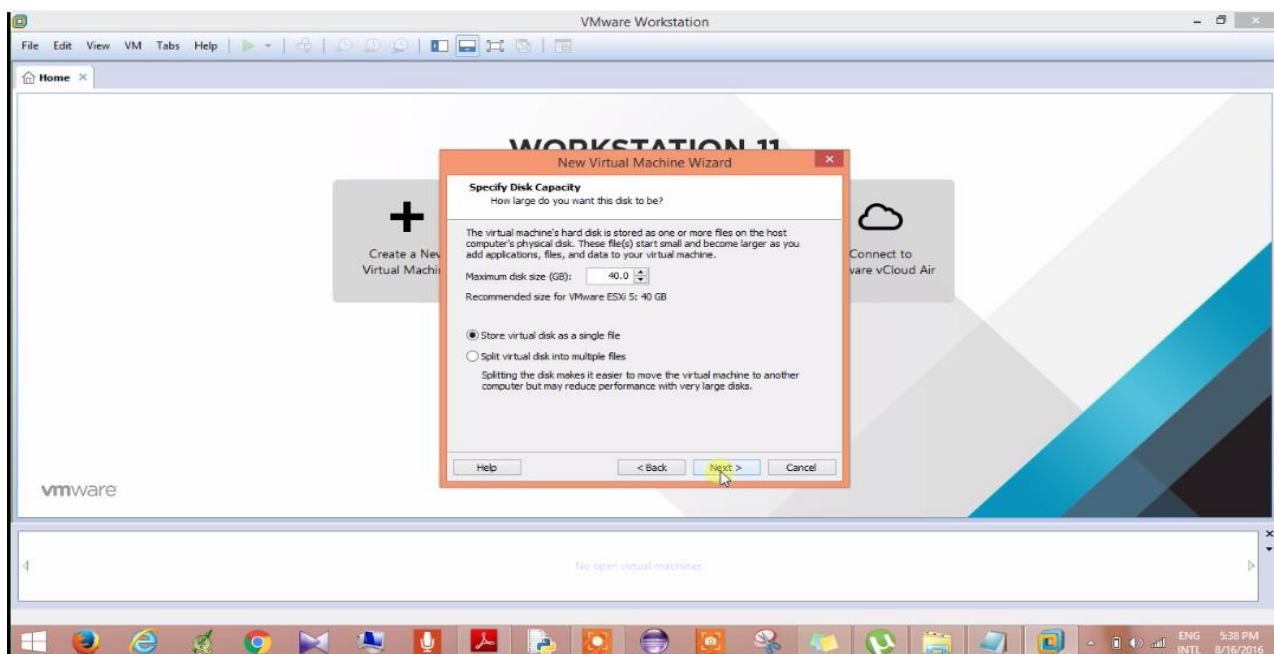
Click "Installer disc image file(iso)". Browse for "VMware VMvisor Installer". Select Location and click next



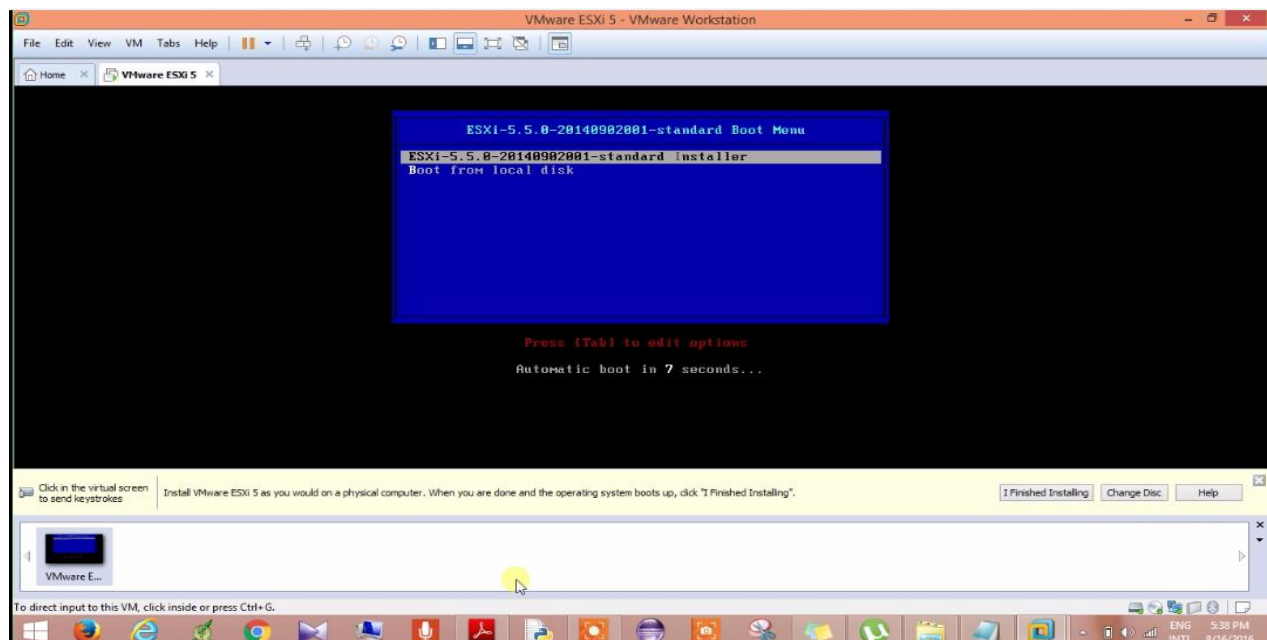
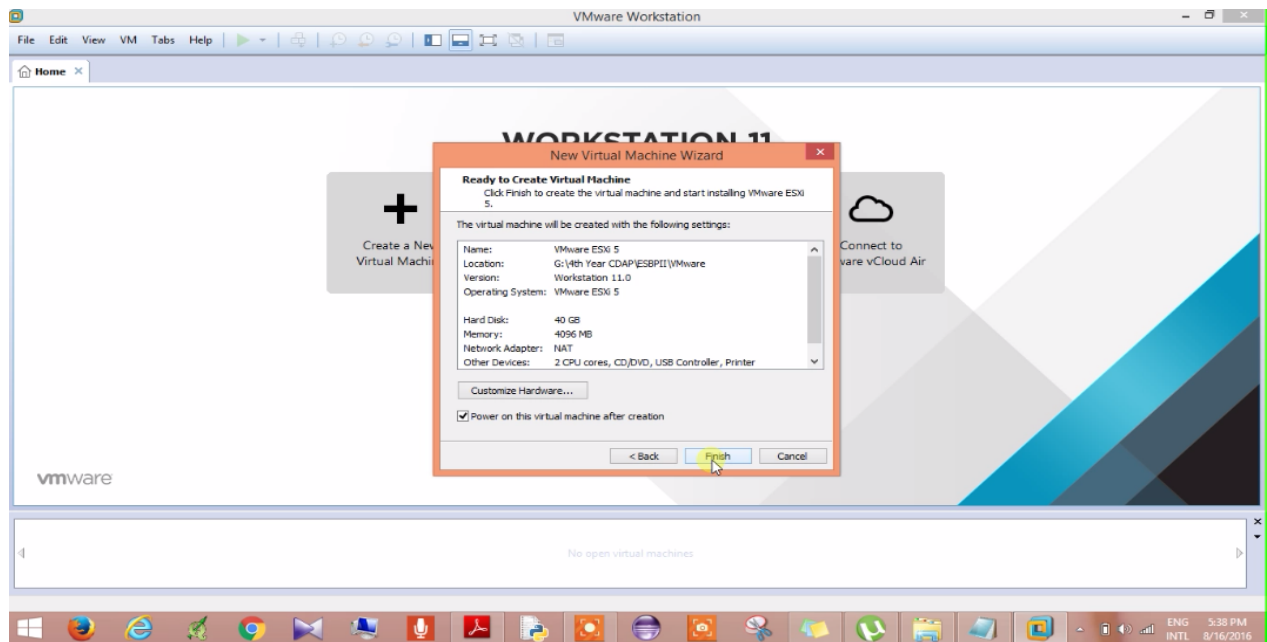
Give a preferable location for virtual machine

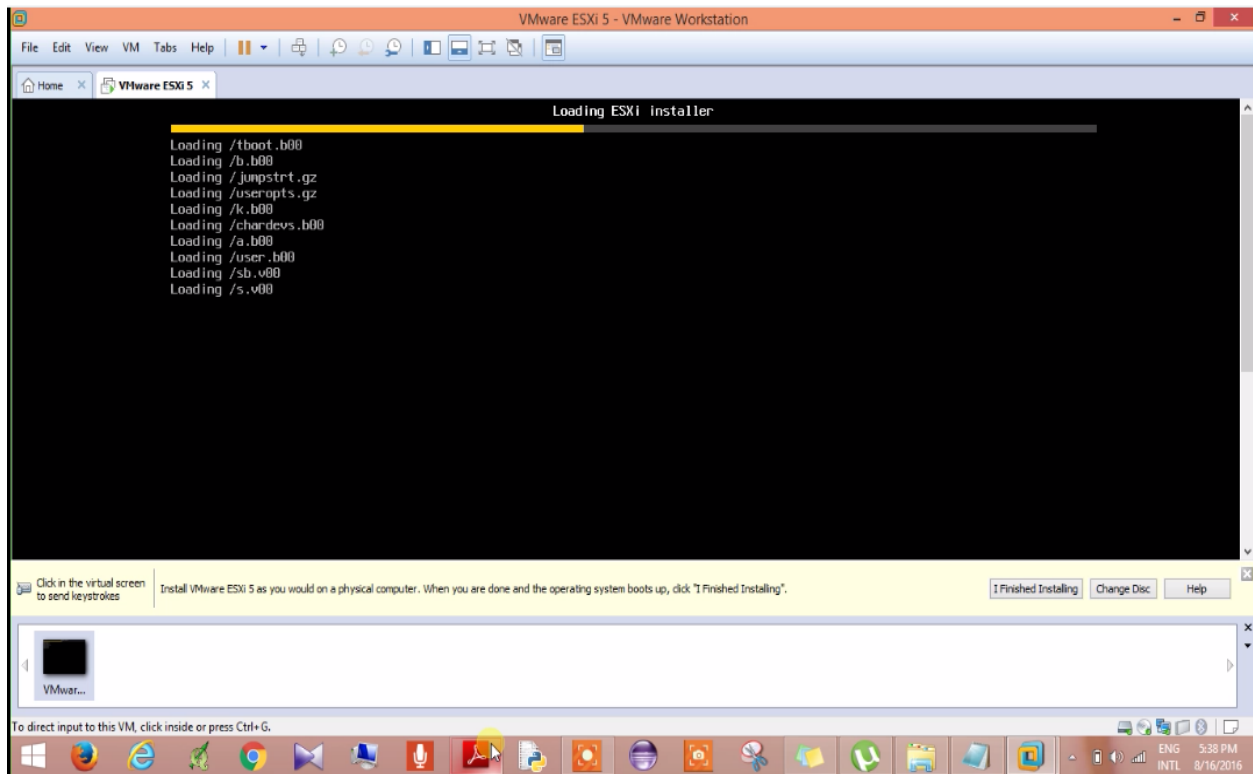


Specify Disk Capacity

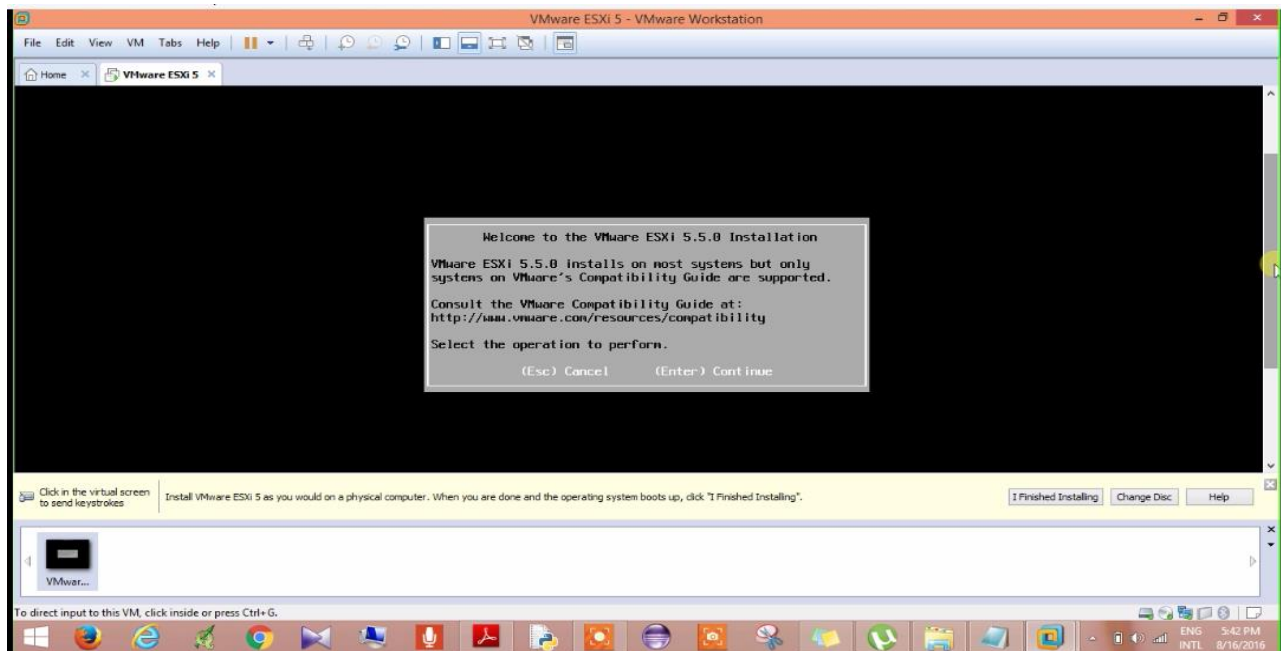


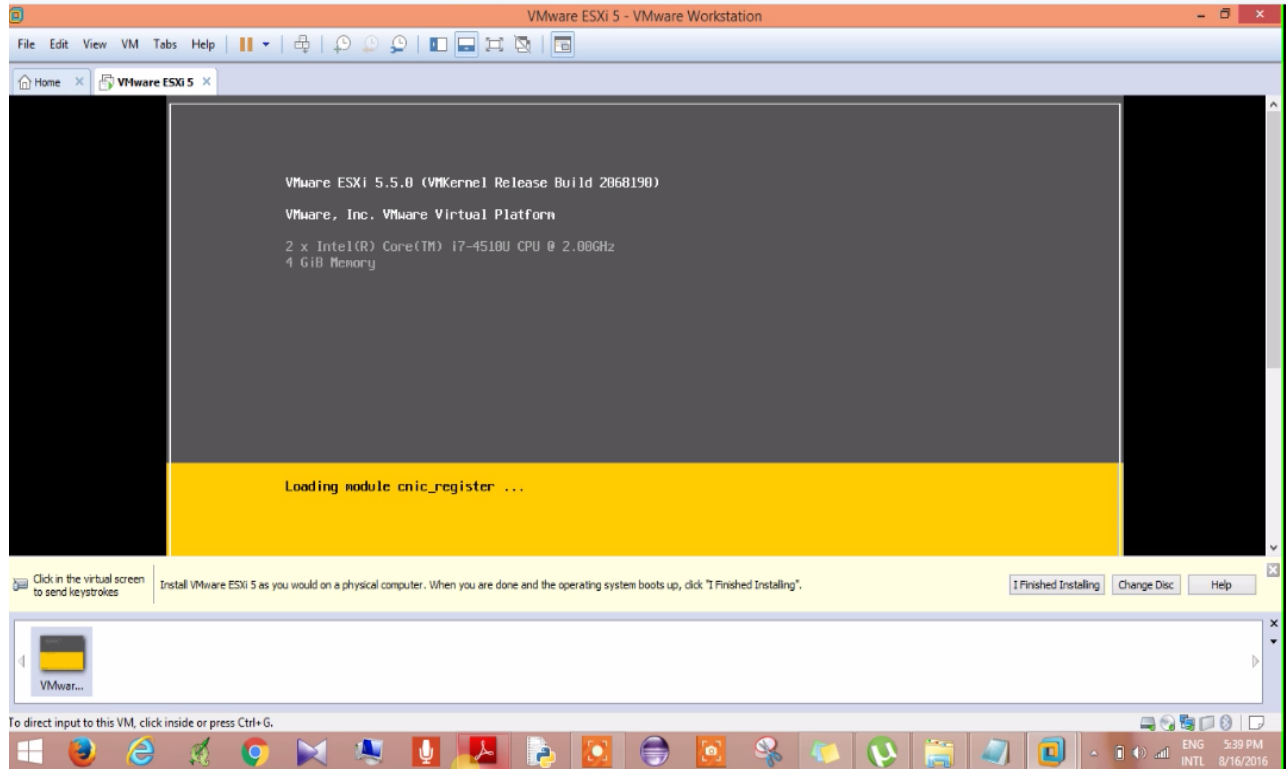
Click “Finish”



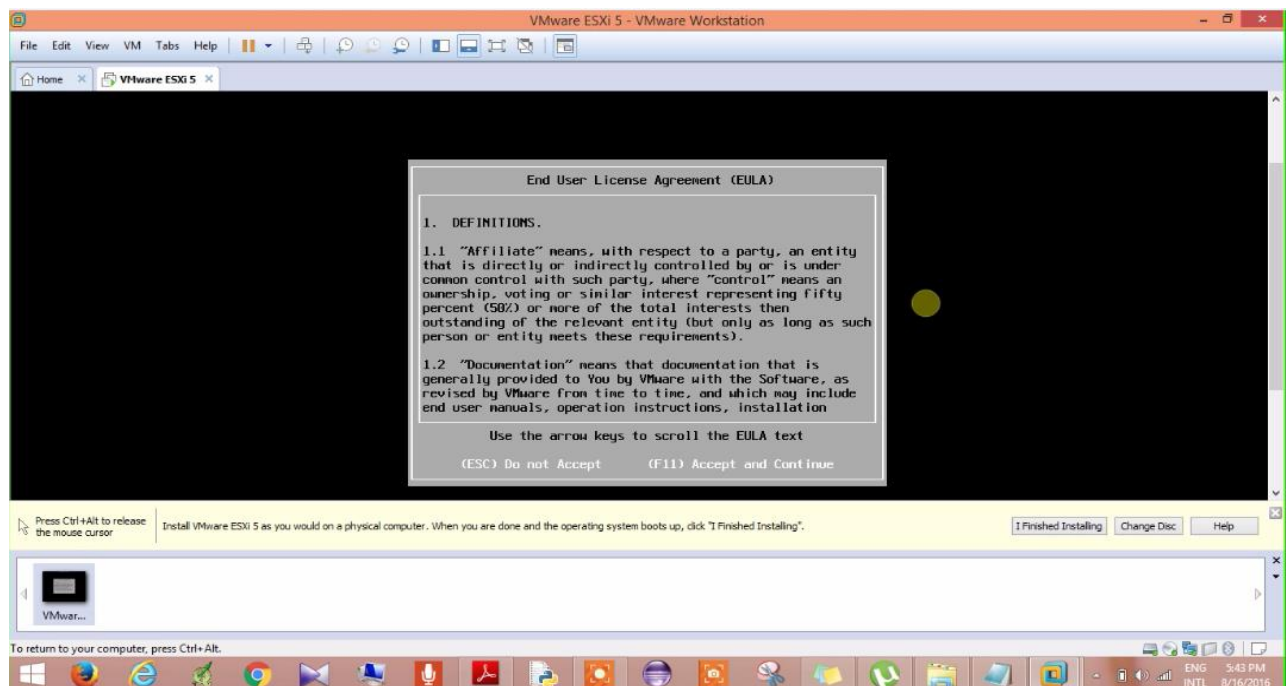


Press “Enter”

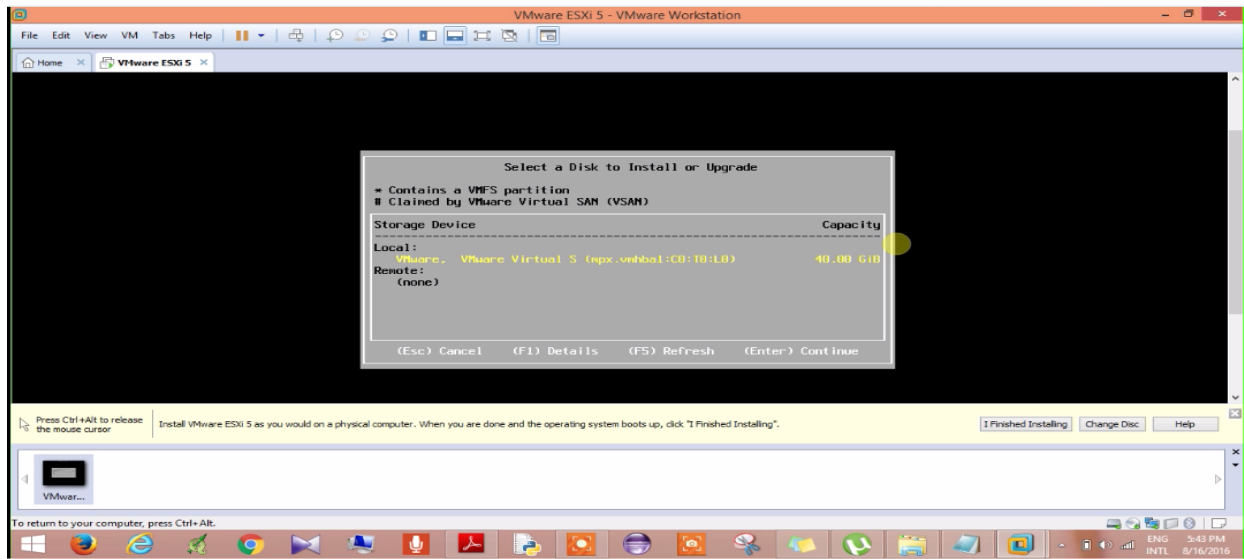




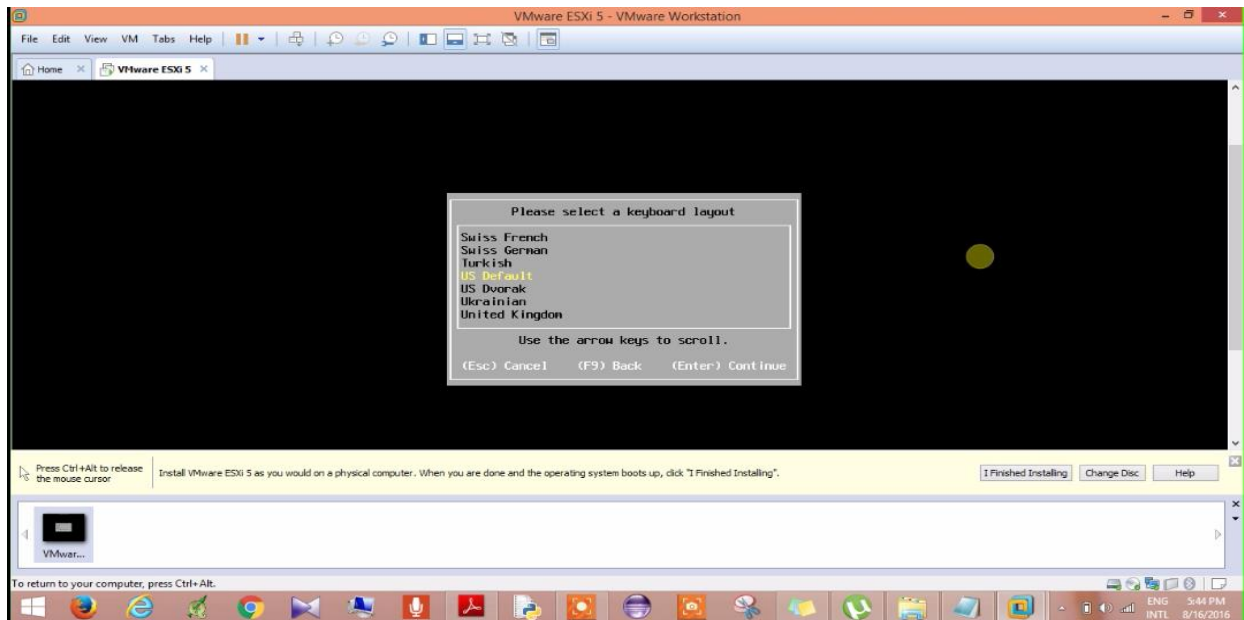
Enter "F11"



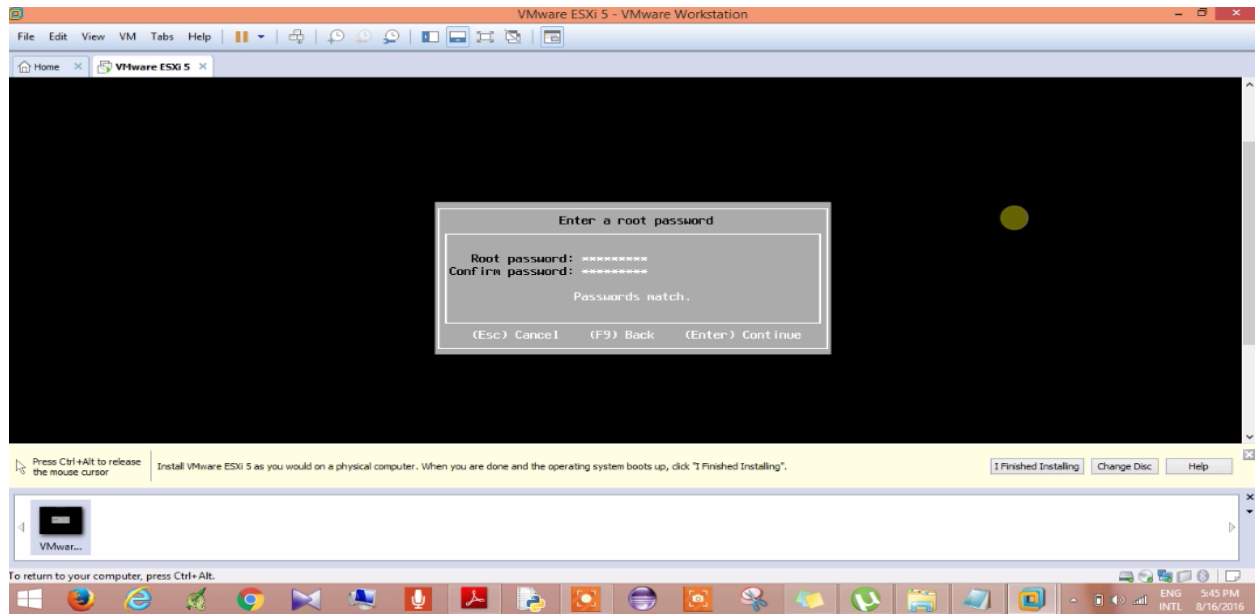
Press “Enter”



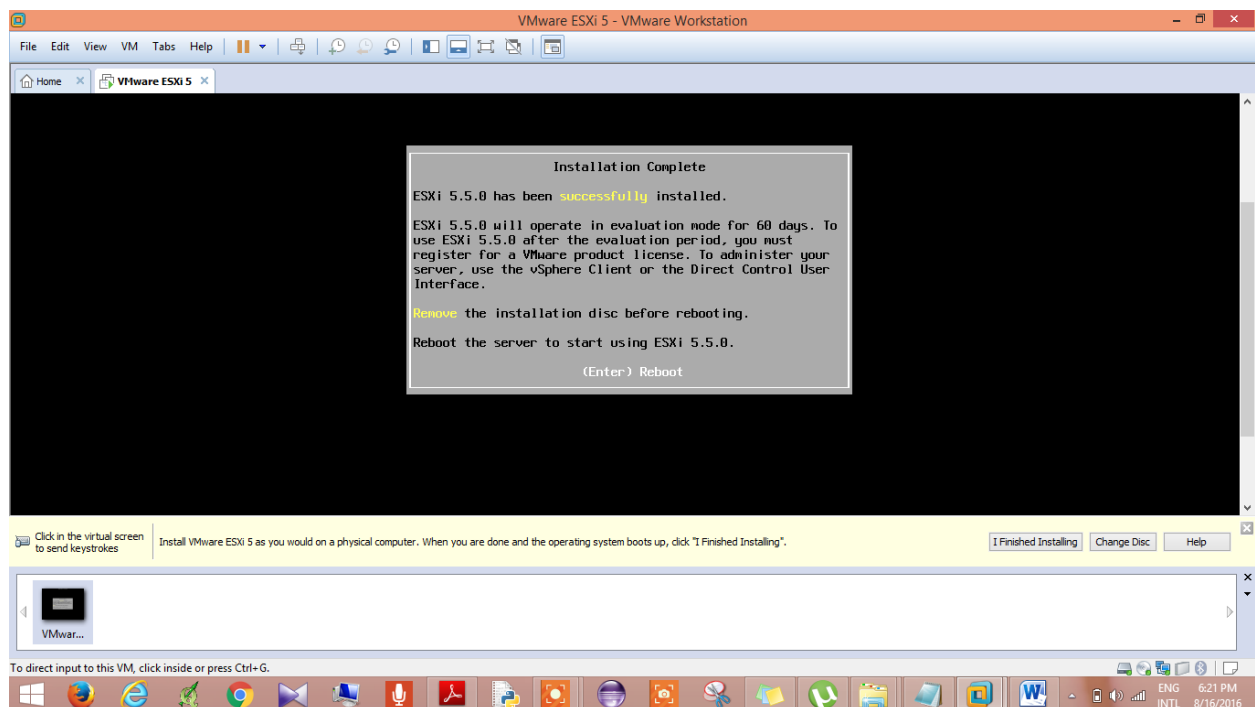
Press “Enter”

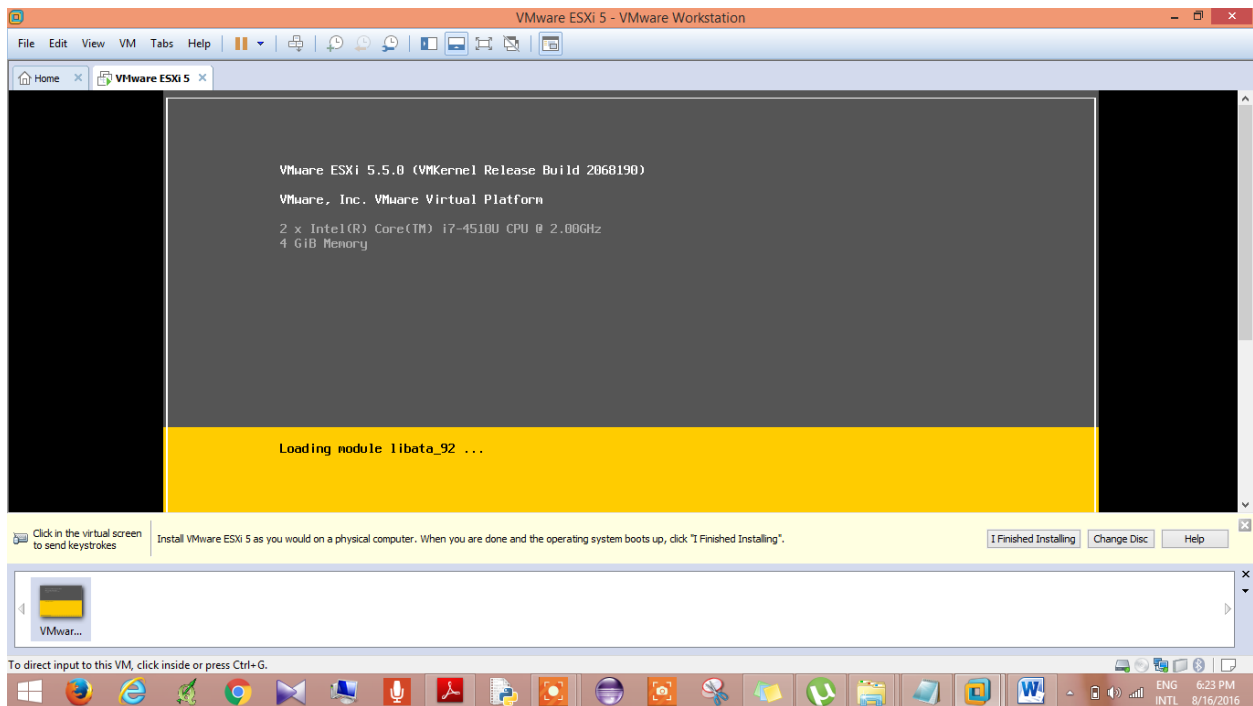
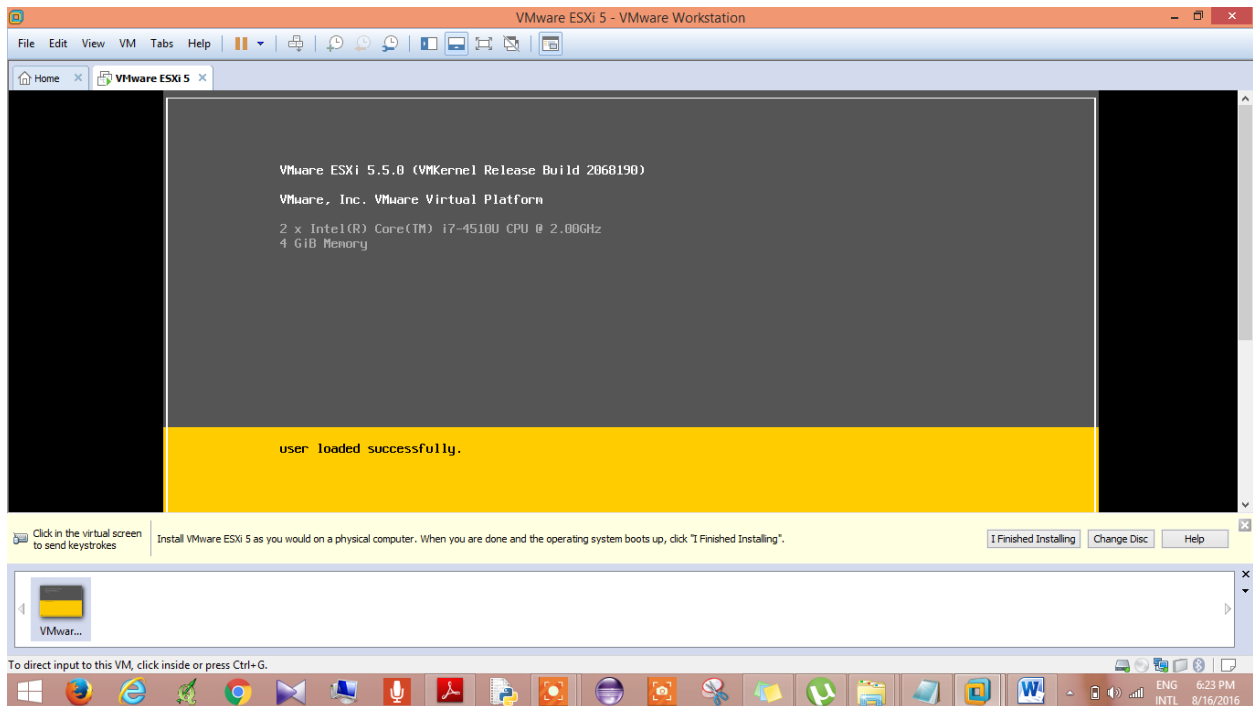


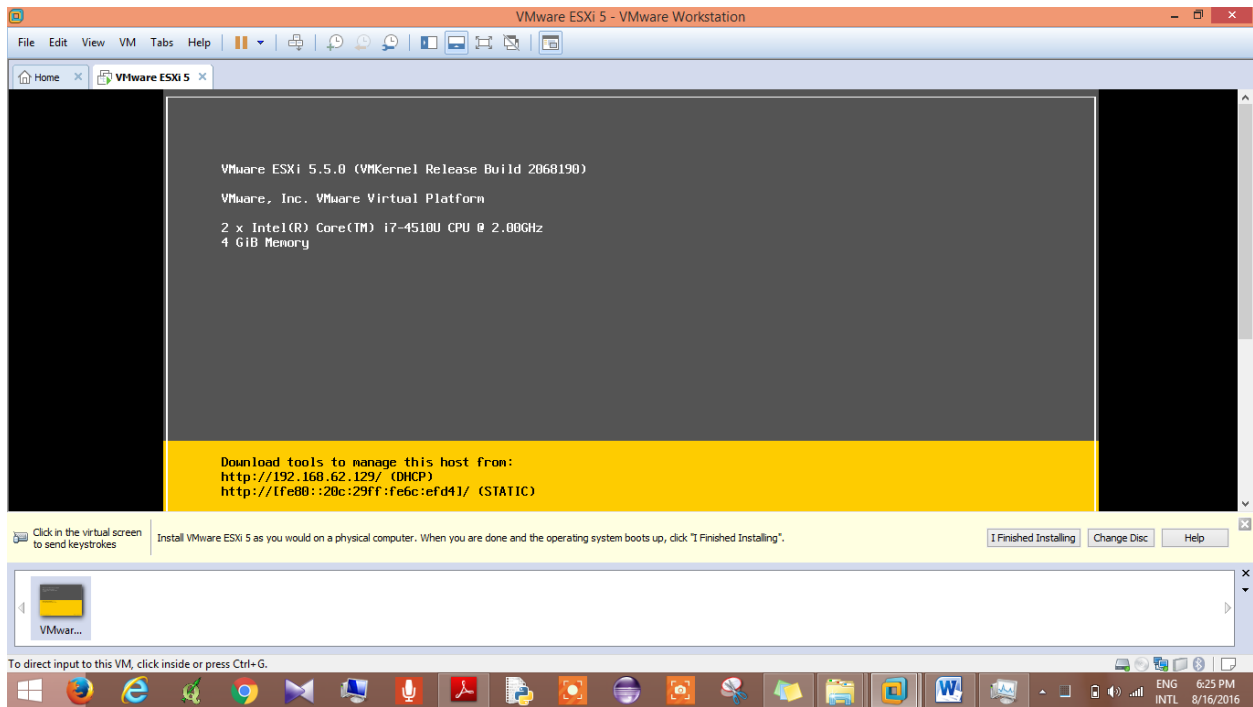
Enter root password. Press “Enter”



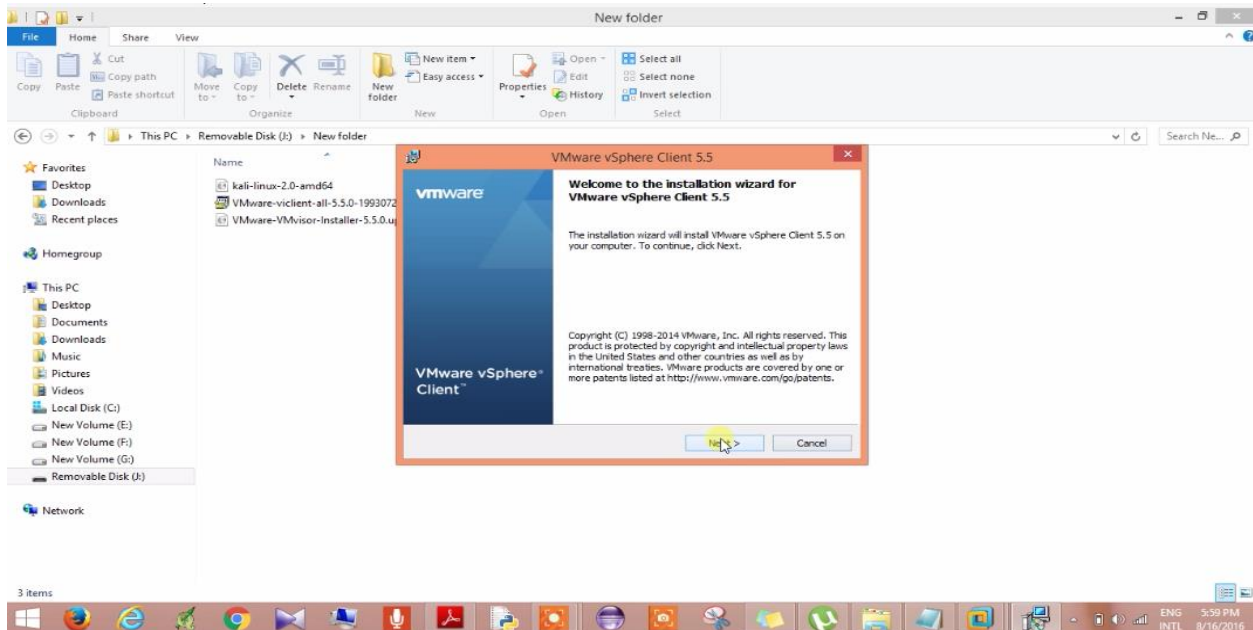
Press “Enter” to Reboot



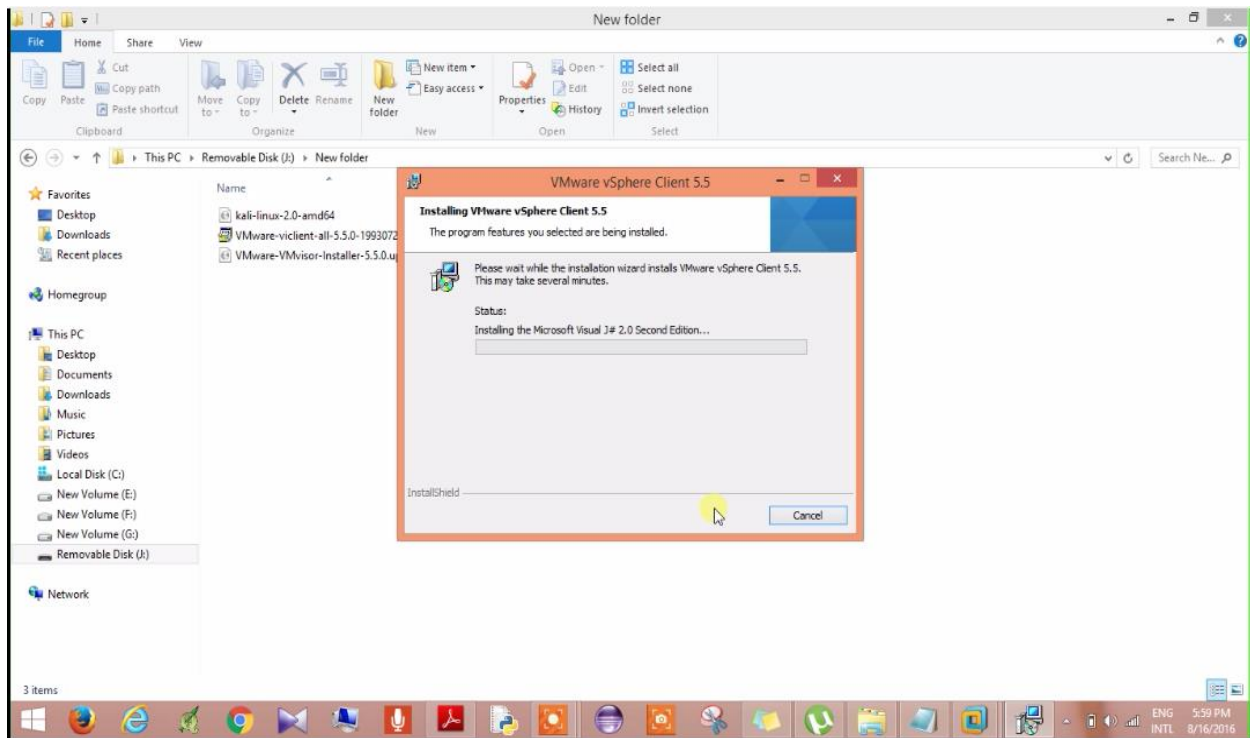
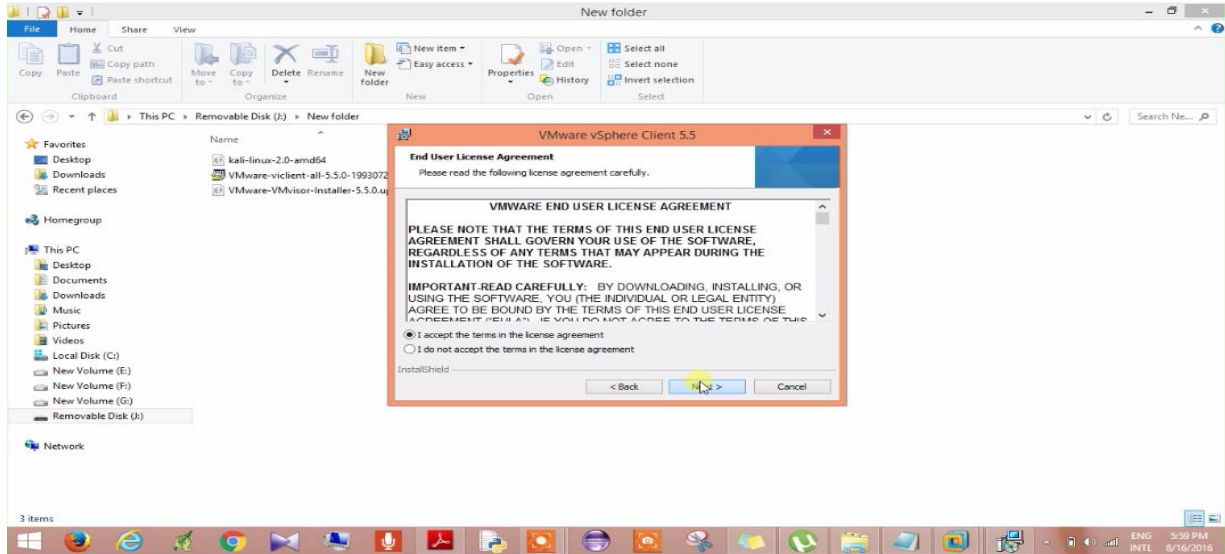




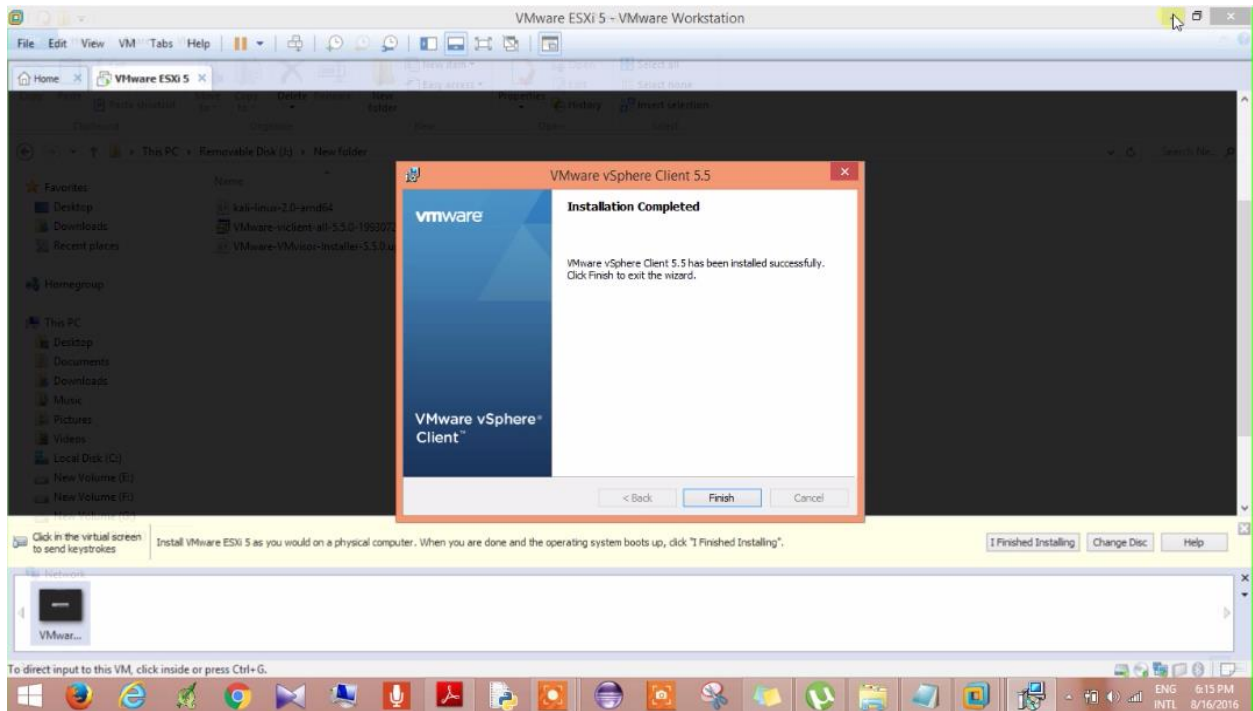
Extract “VMware vSphere Client”. Press “Next”



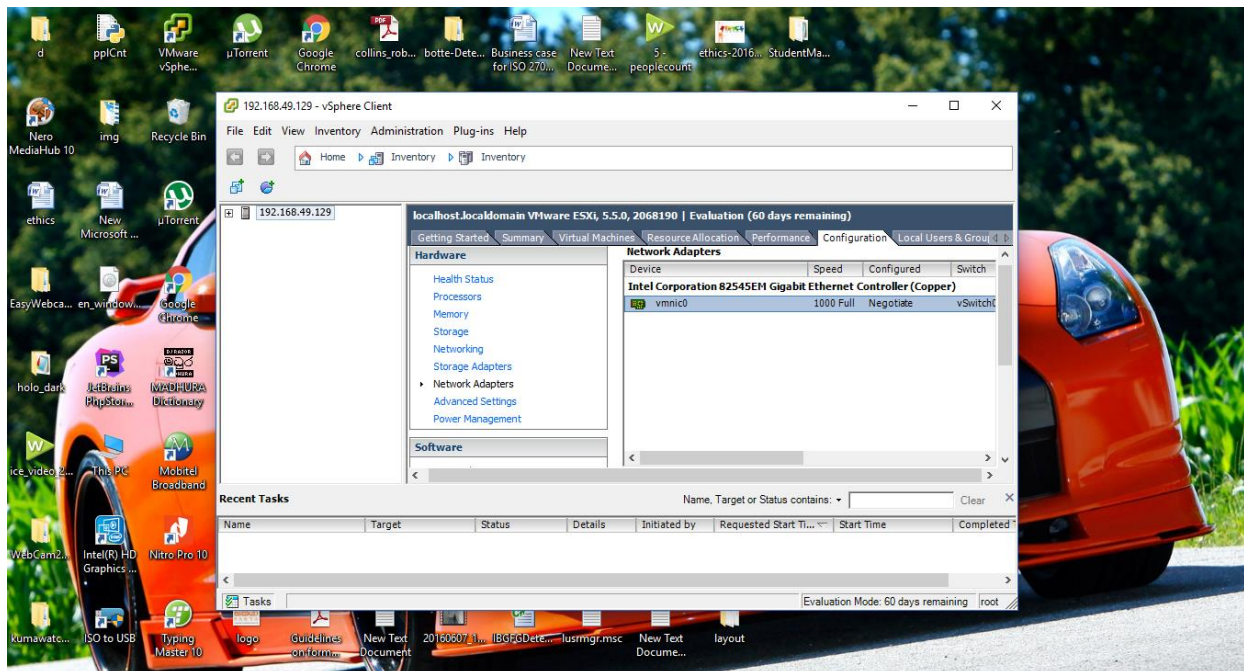
Press “OK”



Press “Finish”. VMware vSphere now on desktop



Provide IP address which is in Download tools manage link. Give user name as “root” and provide the password given previously and click Configuration Network Adapters



192.168.49.129 - vSphere Client

File Edit View Inventory Administration Plug-ins Help

Home Inventory Inventory

192.168.49.129

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

Hardware

- Health Status
- Processors
- Memory
- Storage
- Networking
- Storage Adapters
- Network Adapters
- Advanced Settings
- Power Management

Software

- Licensed Features
- Time Configuration
- DNS and Routing
- Authentication Services
- Virtual Machine Startup/Shutdown
- Virtual Machine Swapfile Location
- Security Profile
- Host Cache Configuration
- System Resource Allocation

Network Adapters

| Device | Speed | Configured | Switch | MACAddress | Observed IP Ranges | Wake on LAN Supported |
|---|-----------|------------|----------|-------------------|--------------------|-----------------------|
| Intel Corporation 82545EM Gigabit Ethernet Controller (Copper) | | | | | | |
| vmnic0 | 1000 Full | Negotiate | vSwitch0 | 00:0c:29:4c:6e:6e | None | No |

Recent Tasks

Name, Target or Status contains: Clear

| Name | Target | Status | Details | Initiated by | Requested Start Time | Start Time | Completed Time |
|------|--------|--------|---------|--------------|----------------------|------------|----------------|
|------|--------|--------|---------|--------------|----------------------|------------|----------------|

Tasks Evaluation Mode: 60 days remaining root

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View: vSphere Standard Switch

Networking Refresh Add Networking... Properties...

Standard Switch: vSwitch0 Remove... Properties...

Virtual Machine Port Group

- VM Network
 - 1 virtual machine(s)
 - Arjaji
- VMkernel Port
 - vmk0 : 192.168.49.129
 - fe80::20c:29ff:fe4c:6e6e

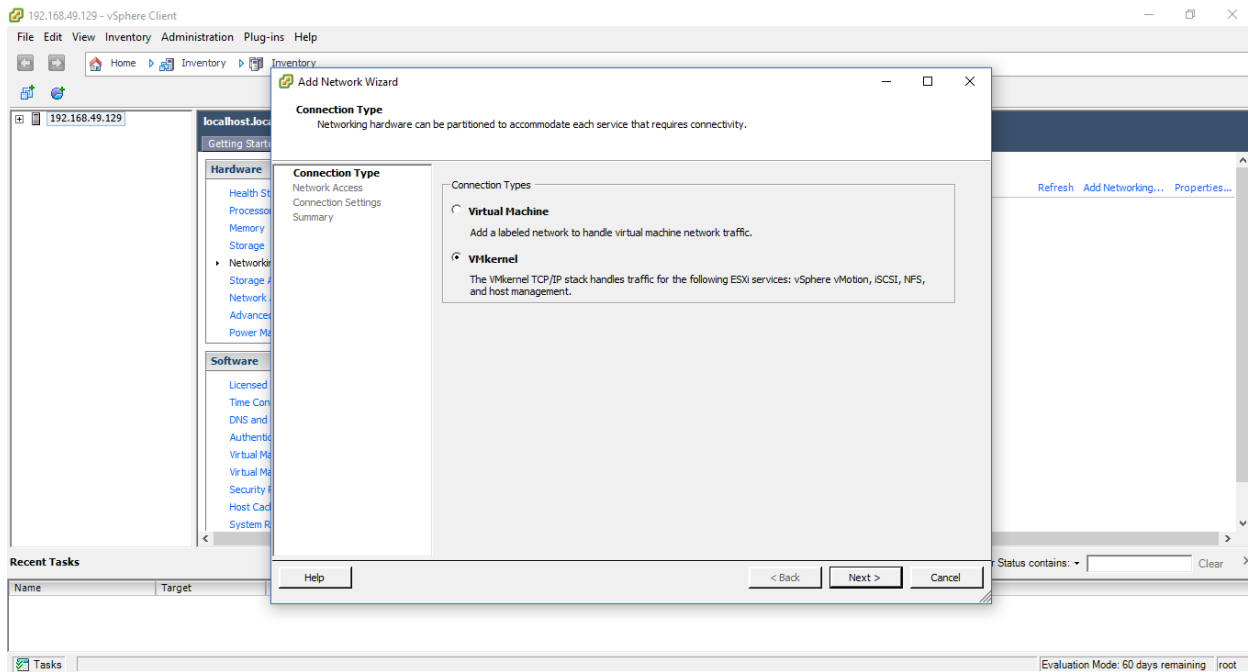
Recent Tasks

Name, Target or Status contains: Clear

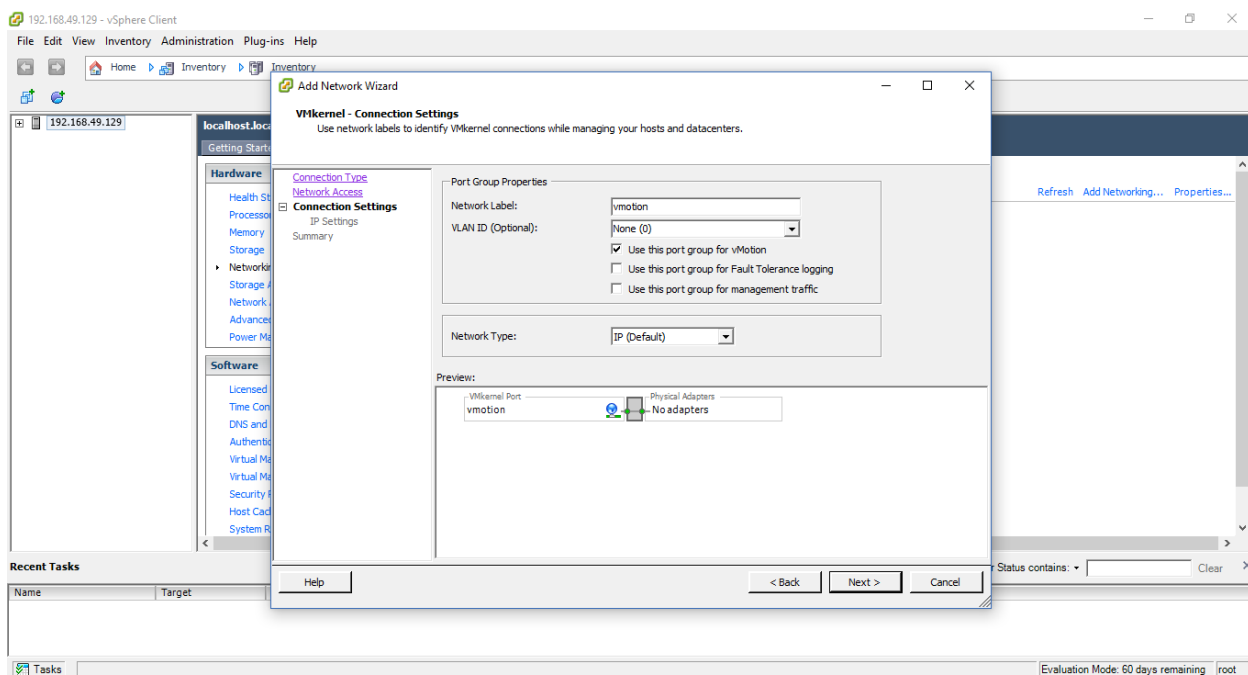
| Name | Target | Status | Details | Initiated by | Requested Start Time | Start Time | Completed Time |
|------|--------|--------|---------|--------------|----------------------|------------|----------------|
|------|--------|--------|---------|--------------|----------------------|------------|----------------|

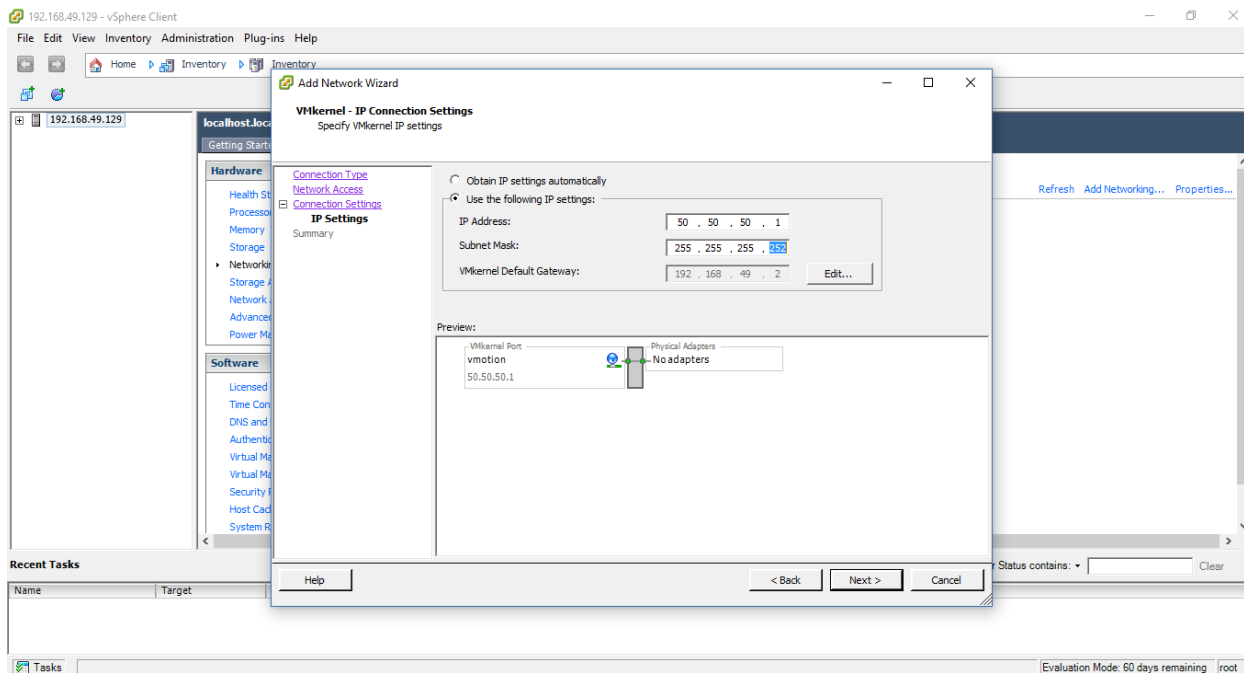
Tasks Evaluation Mode: 60 days remaining root

In the Network configurations Add Network Connection Type as Vmkernel

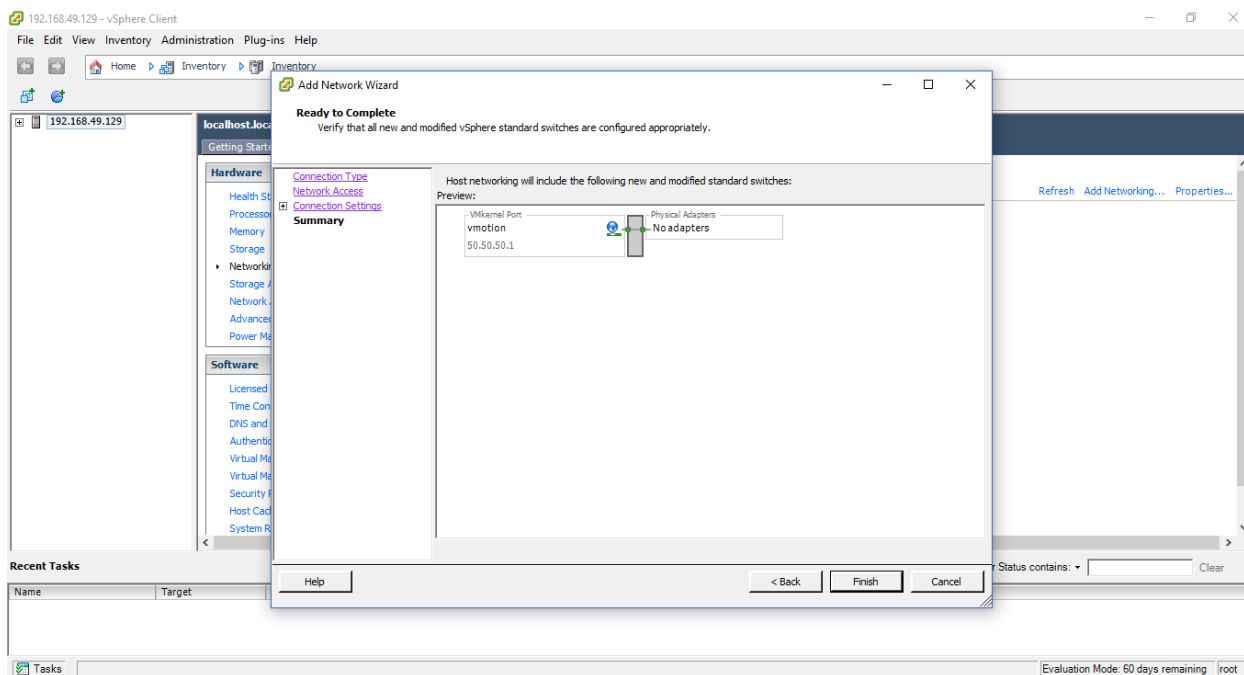


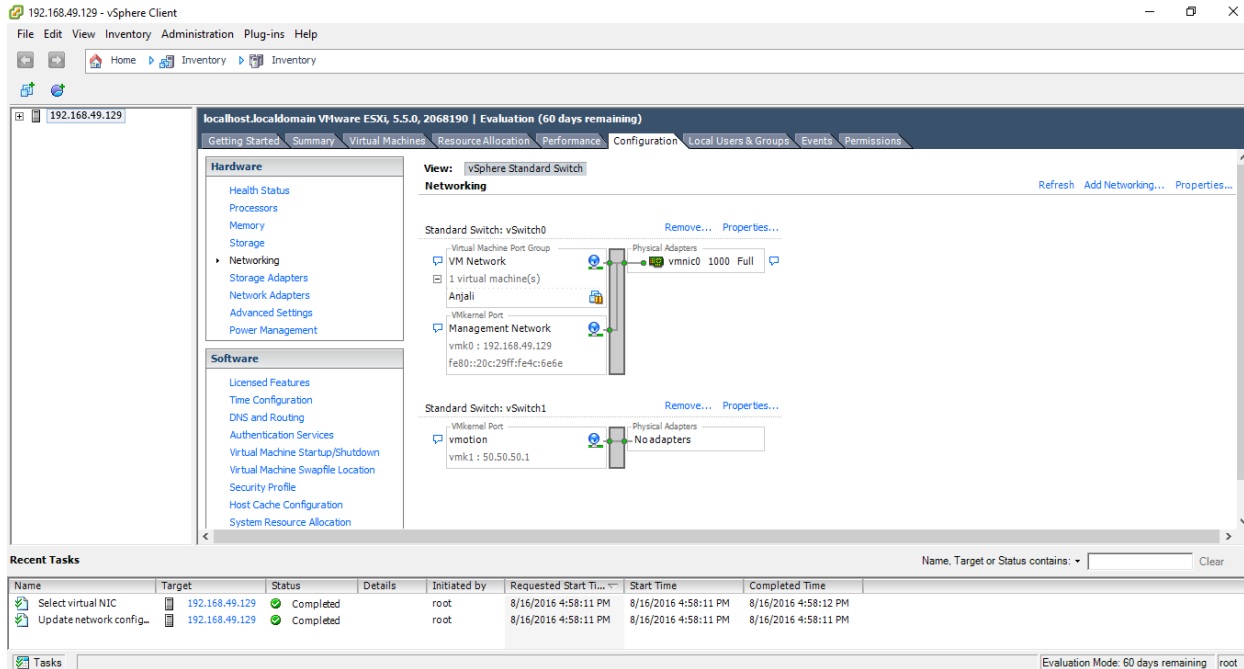
Go to the VMkernel connection settings and set configuration as below



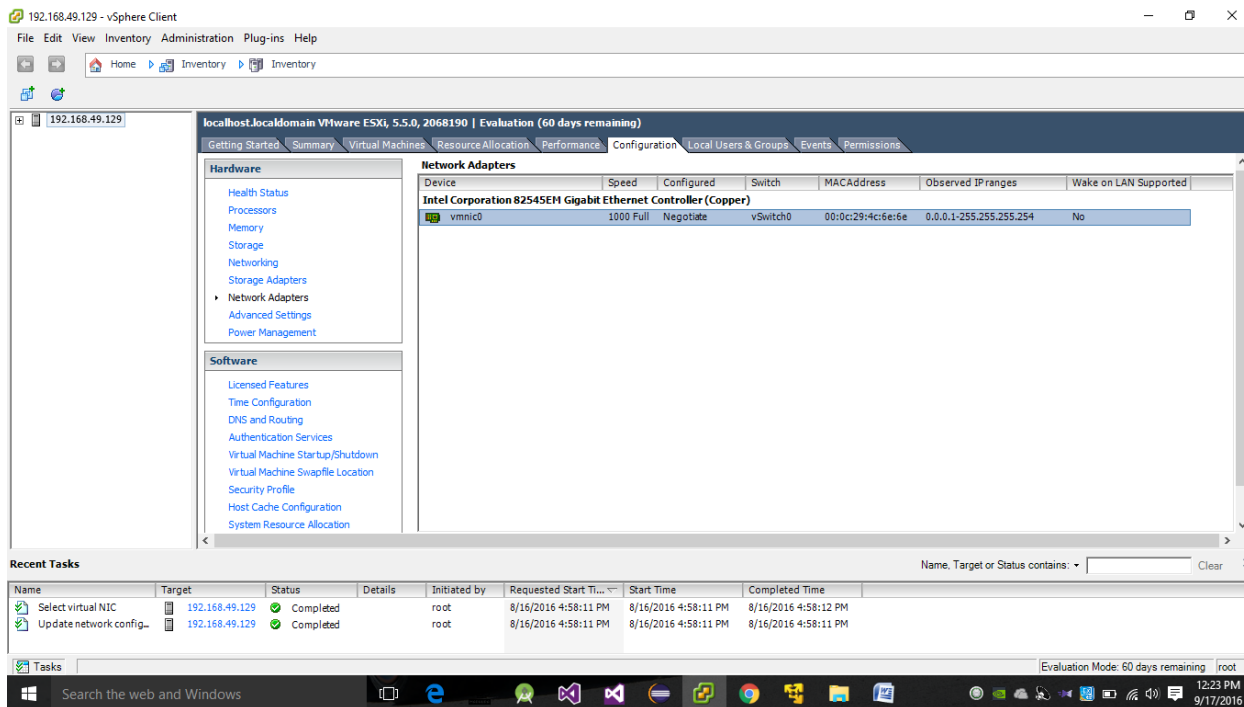


Click “Finish”

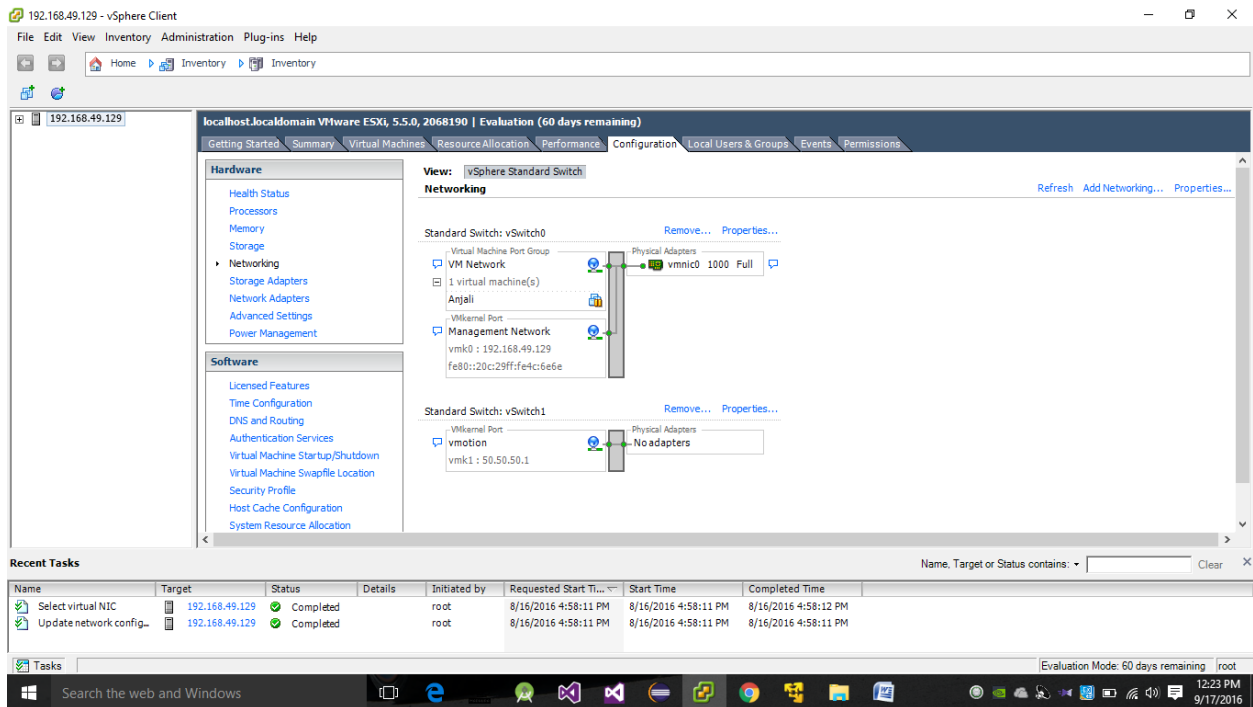




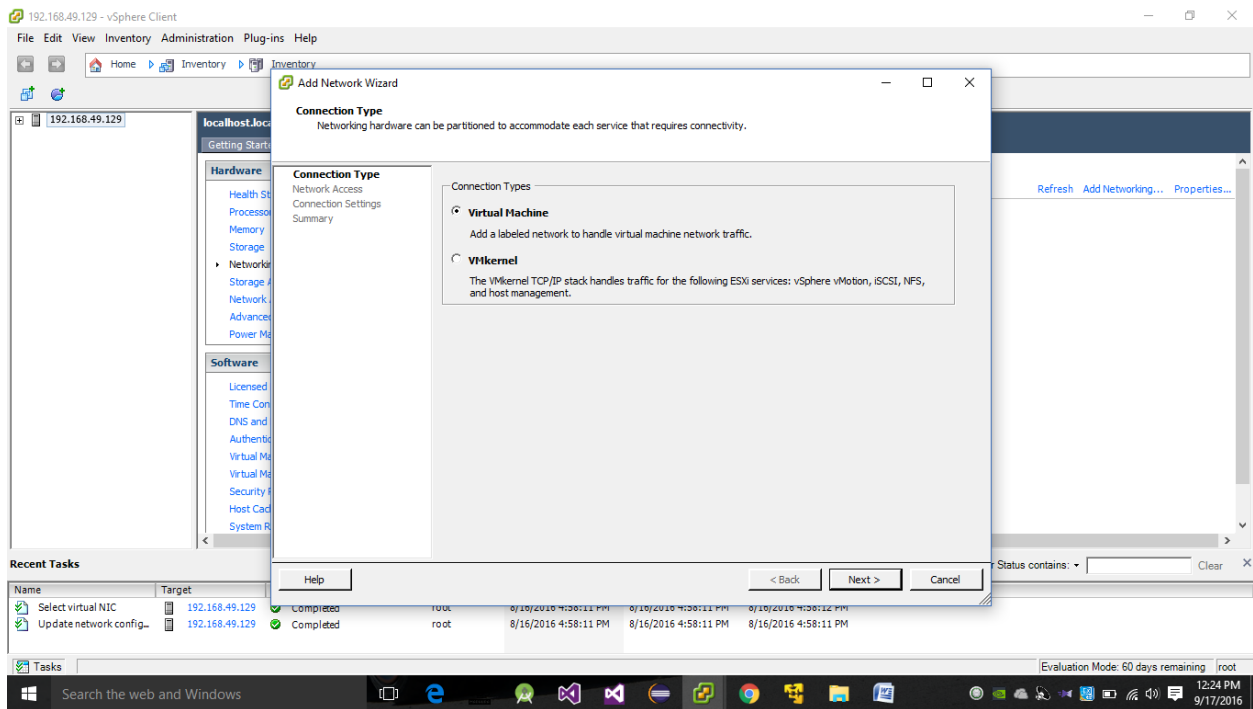
Create Network Adapters

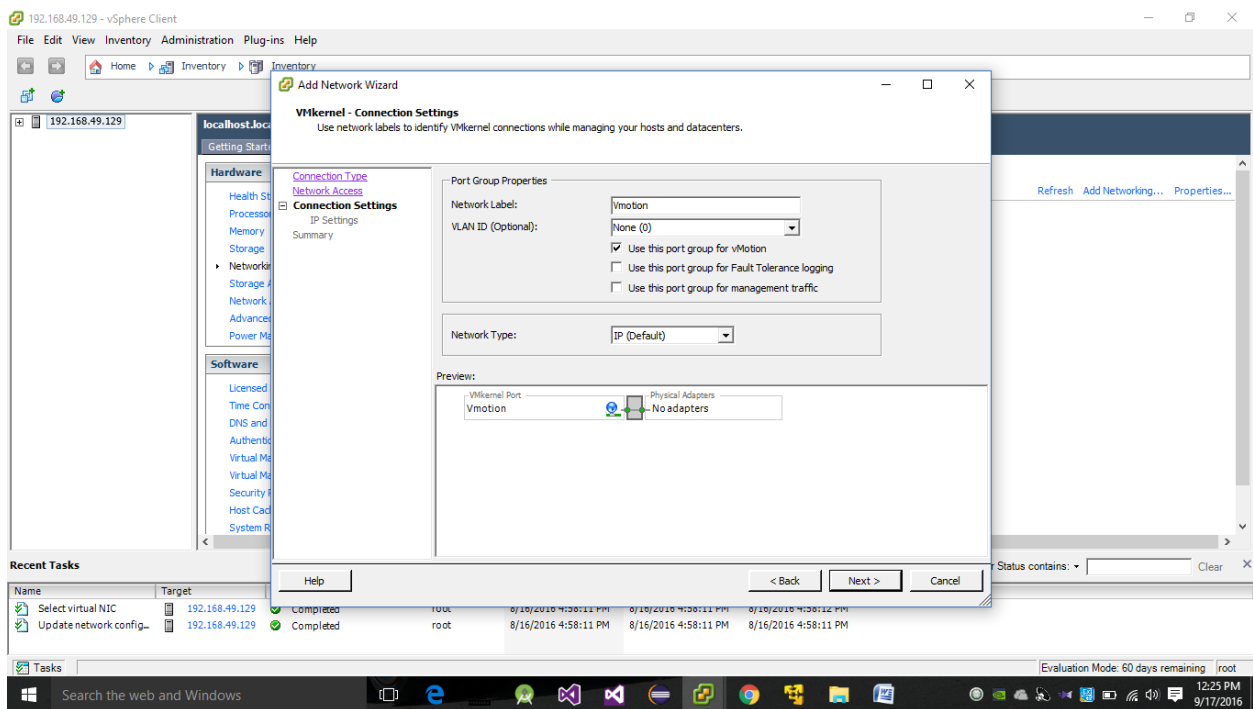
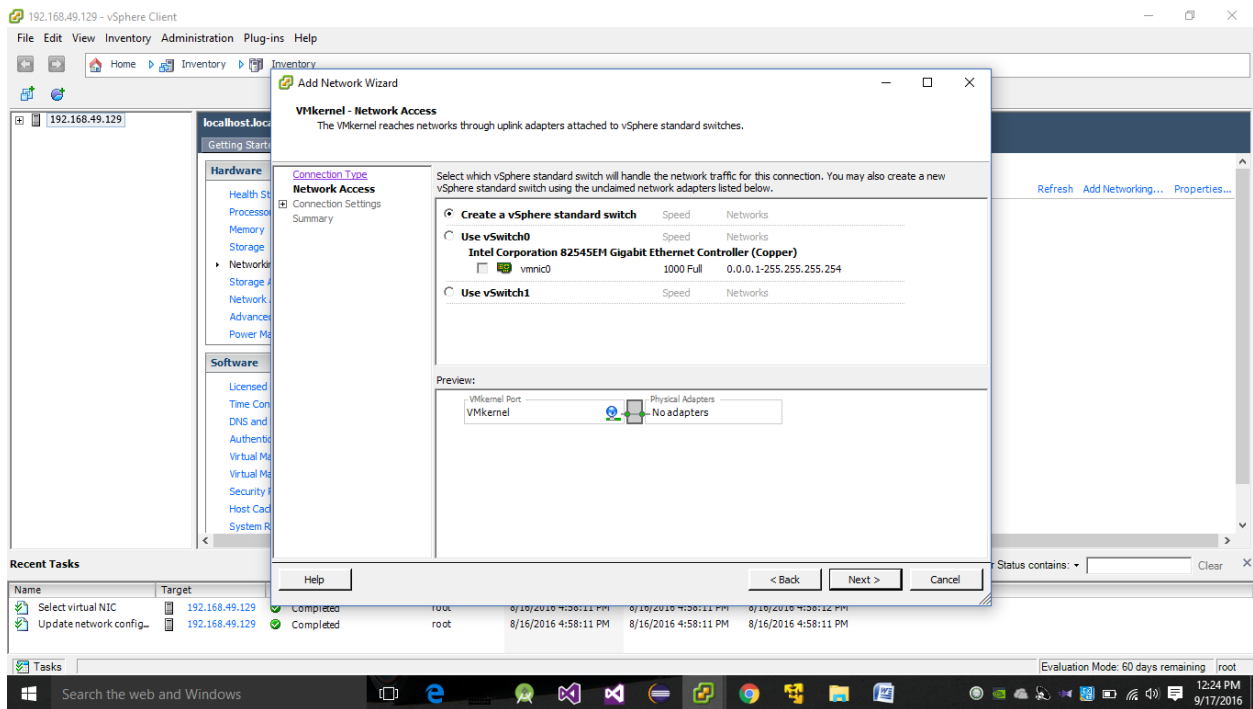


Set configurations as follows



Click “Virtual Machine”





Vmotion could not be continue due to limited resources and there is CPU affinity.

A number of specific virtual machine configurations can prevent migration of a virtual machine with vMotion. It was not possible to vMotion due to the RAM limitation.