Lab 3 Command Script

Server 130.65.132.102 should be turned ON

#Step 1) Connect to vCenter Server

connect-viserver 130.65.132.102 -user administrator -password 12!@qwQW

#Step 2) Create a datacenter

New–Datacenter –Location Datacenters –Name T02-Bhargav

#Step 3) Add three Hosts

Create and Add

Move-VMHost (Get-VMHost 130.65.132*) -Destination (Get-Datcenter T02)

#Step 4) Create a new VM

#Add new VM Template

Create a template

New-Template -VM T02-VM01-Ubu-Jaw -Name T02-VM-Template -Location T02-Bhargav

Deploy from the Template:

Get-Template| New-VM -vmhost 130.65.132.142 -Name T02-VM04-Ubu-Bhargav -Datastore nfs2team02_01

#Step 5) Live Migration

#Enabling vm Motion in all hosts

Get-VMHost | Get-VMHostNetworkAdapter -VMKernel | Set-VMHostNetworkAdapter -VMotionEnabled $true -Confirm:$false

#Enabling Promiscuous mode on all connected hosts

#Start a VM

Start-VM -VM "T02-VM04-Ubu-Bhargav" -RunAsync -Confirm:$false

#Perform Live migration

Get-VM -Name T02-VM04-Ubu-Bhargav | Move-VM -Destination 130.65.132.143

#Step 6) Cold Migration

#stop VM

Stop-VM -VM T02-VM04-Ubu-Bhargav -Confirm:$false

Get-VM -Name T02-VM04-Ubu-Bhargav | Move-VM -Destination 130.65.132.141

#Step 7) Delete VM

Remove-VM T02-VM04-Ubu-Bhargav

#Step 8) Remove vHost

Remove-VMHost 130.65.132.*

#Step 9) Delete Data center

Remove-Datacenter T07-DC-Bhargav

1. VHosts Statistics - CSV:

Get-VMHost | Select-Object -Property Name, NumCpu, MemoryUsageGB, Version, ConnectionState, PowerState,CpuUsageMhz, CpuTotalMhz | Export-Csv "C:\283\VHostStats.csv"

VHosts Statistics - HTML:

Get-VMHost | Select-Object -Property Name, NumCpu, MemoryUsageGB, Version, ConnectionState, PowerState,CpuUsageMhz, CpuTotalMhz | ConvertTo-Html | Out-File "C:\283\VHostStats.htm"

2. VM Statistics - HTML:

Get-VM | Select-Object -Property Name, Host, NumCpu, MemoryGB, PowerState, NetworkAdapters | ConvertTo-Html | Out-File "C:\283\VMStats.htm"

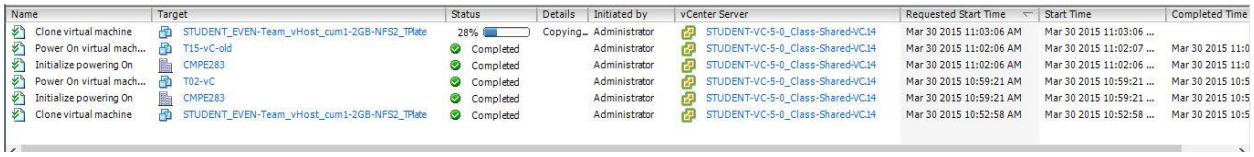
VM Statistics - CSV:

Get-VM | Select-Object -Property Name, Host, NumCpu, MemoryGB, PowerState, NetworkAdapters | Export-Csv "C:\283\VMStats.csv"

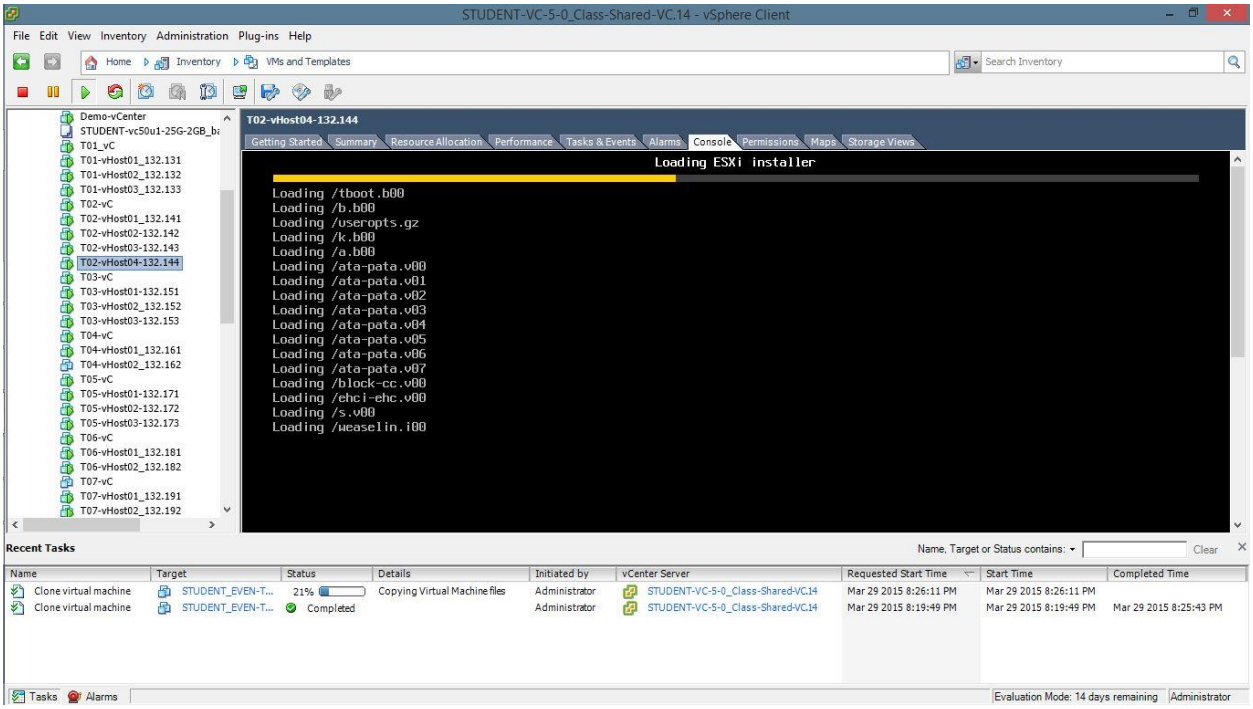
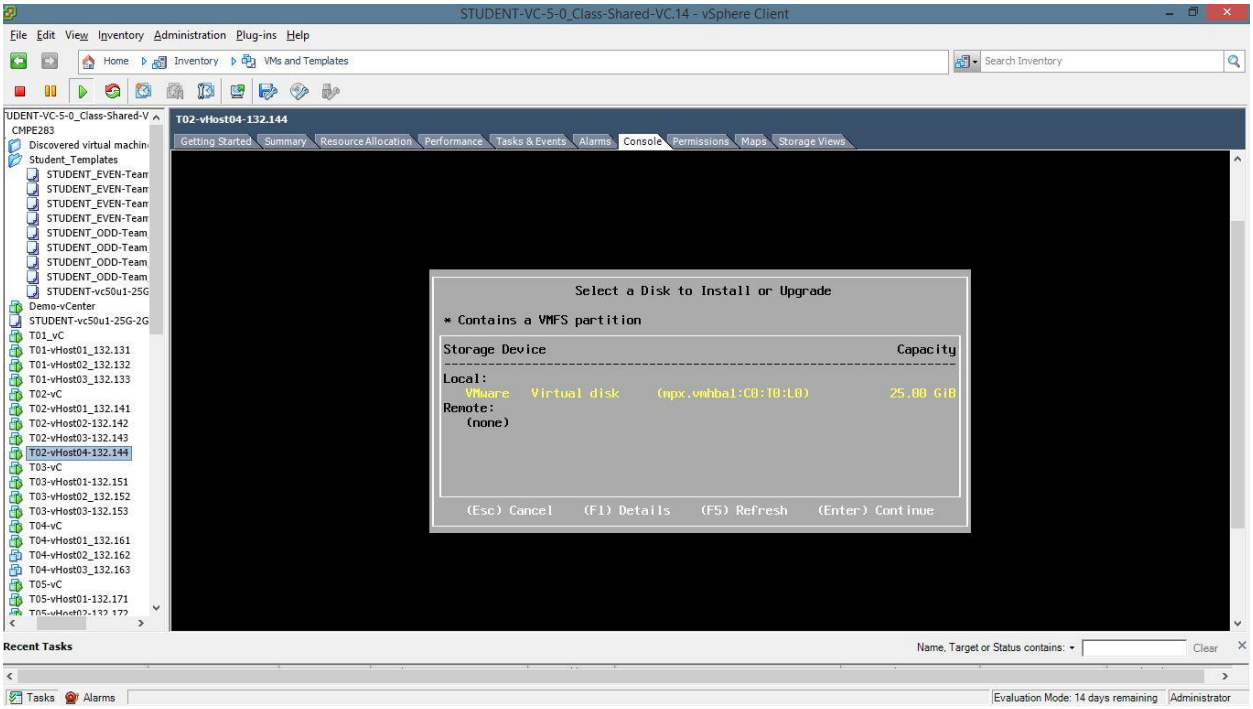
Lab 3 Screenshots

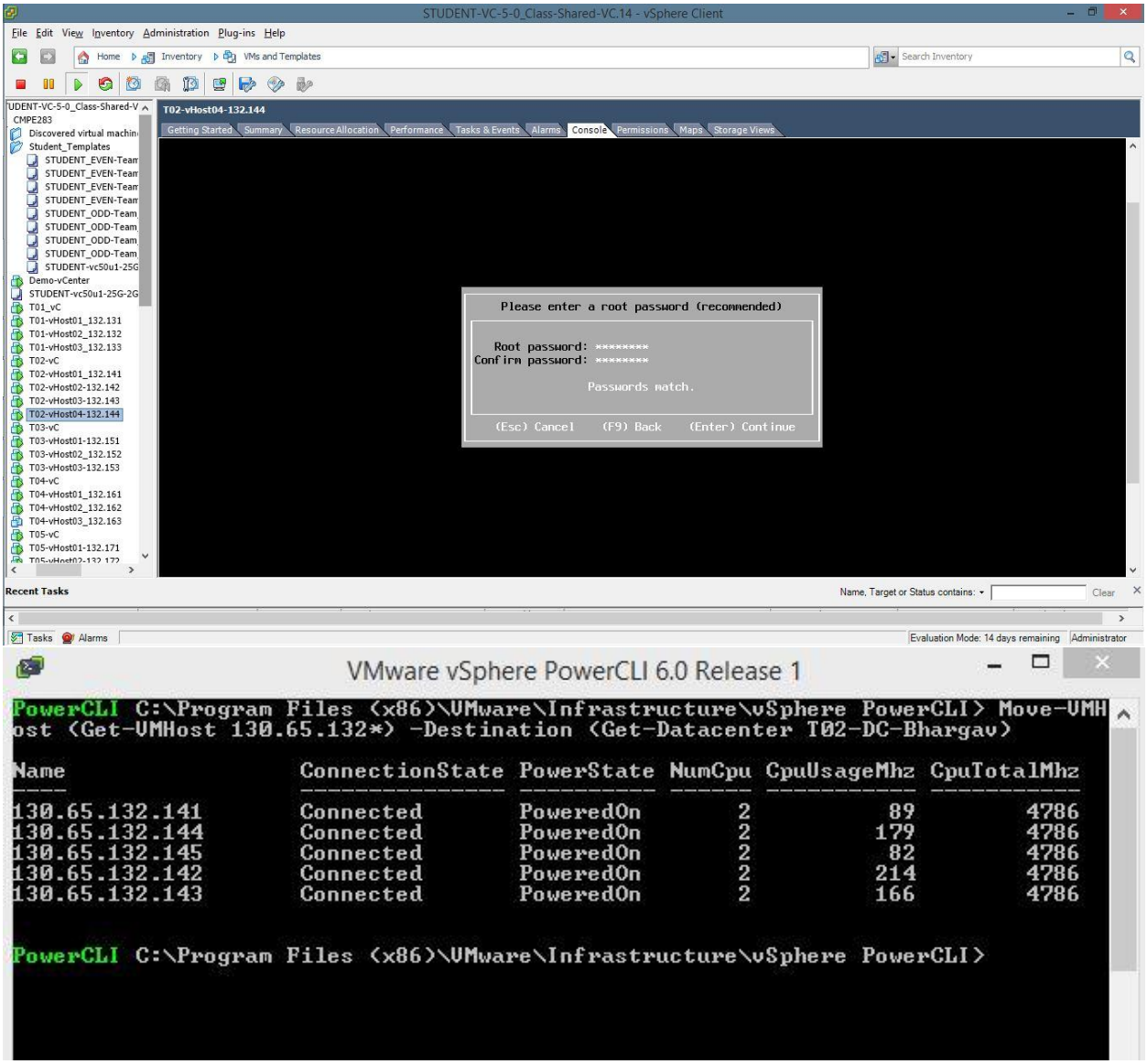
Phase 1:

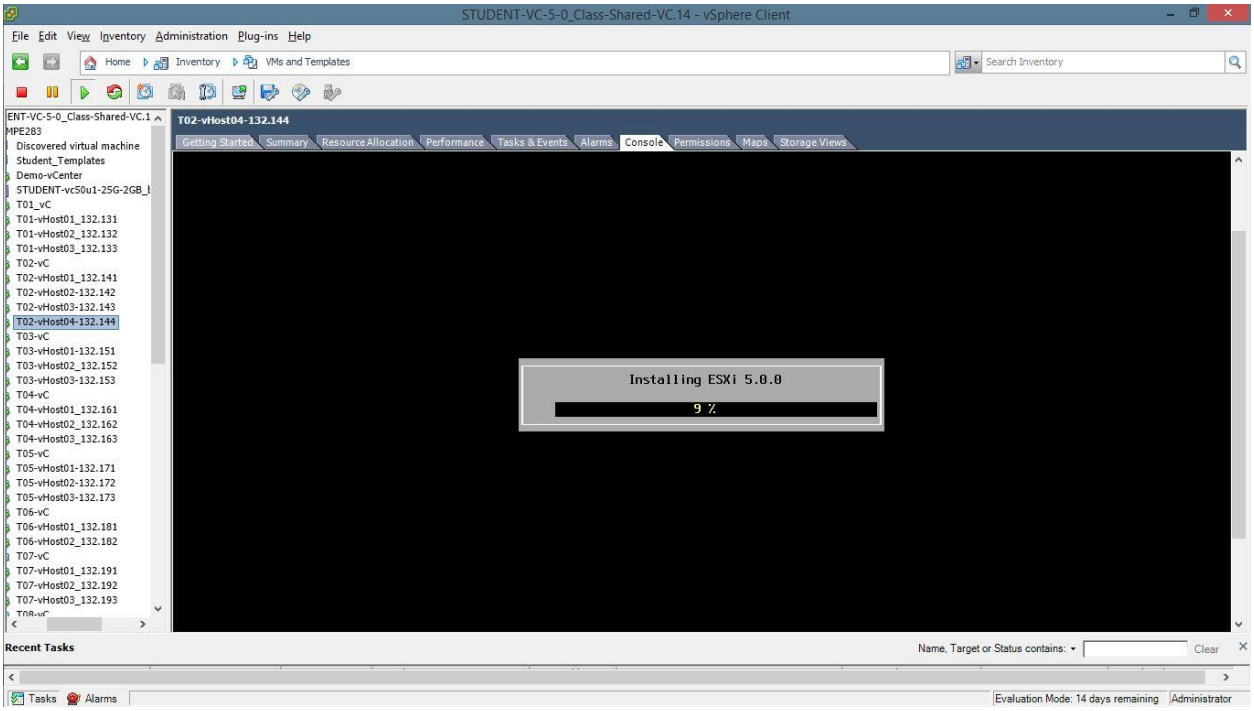
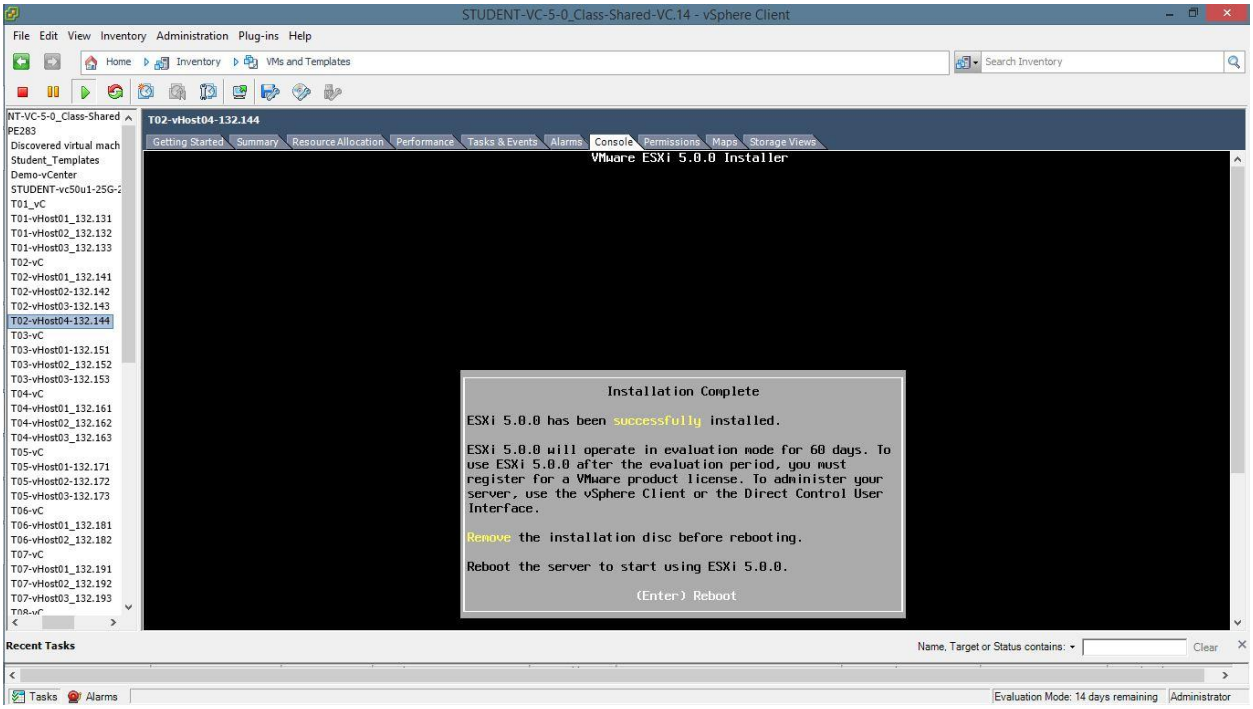
Create a vHost

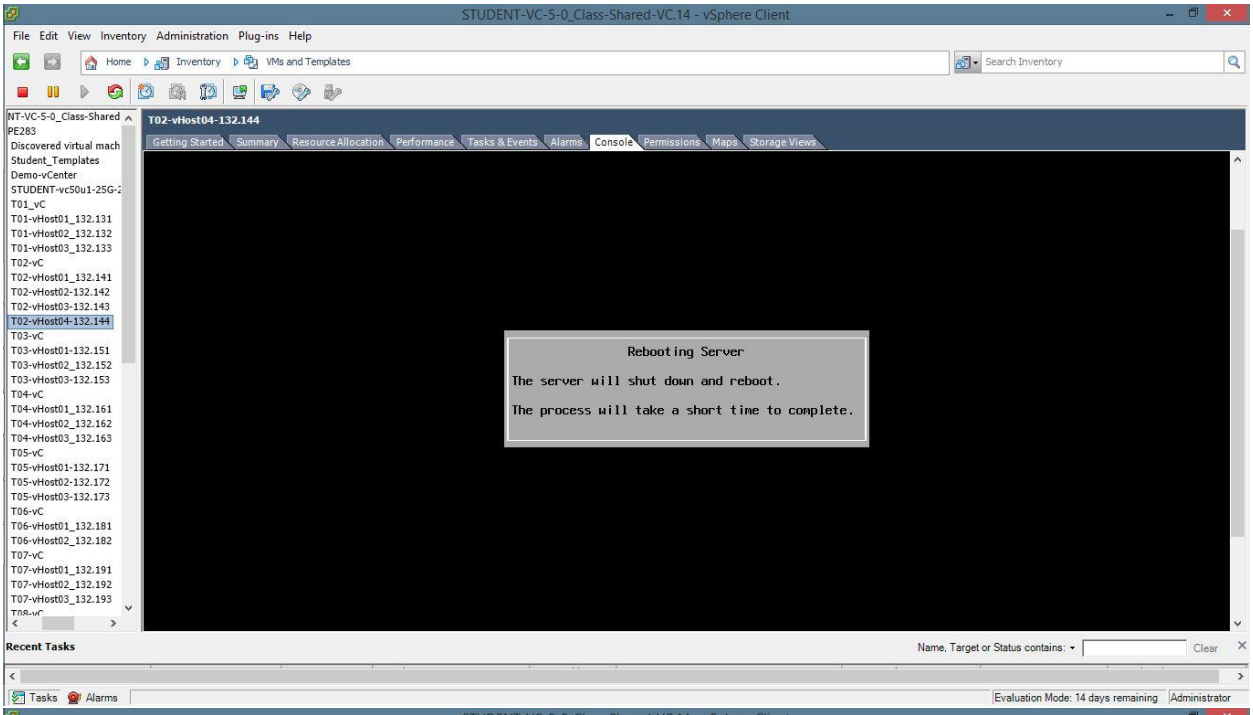
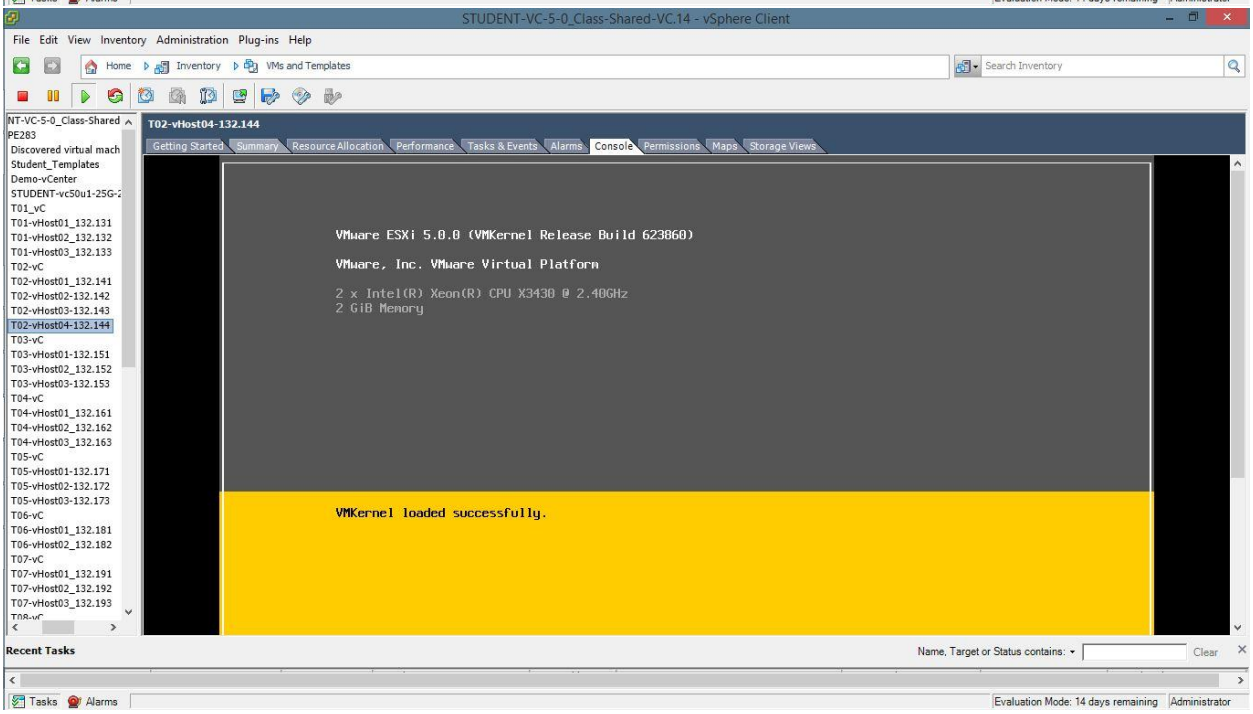


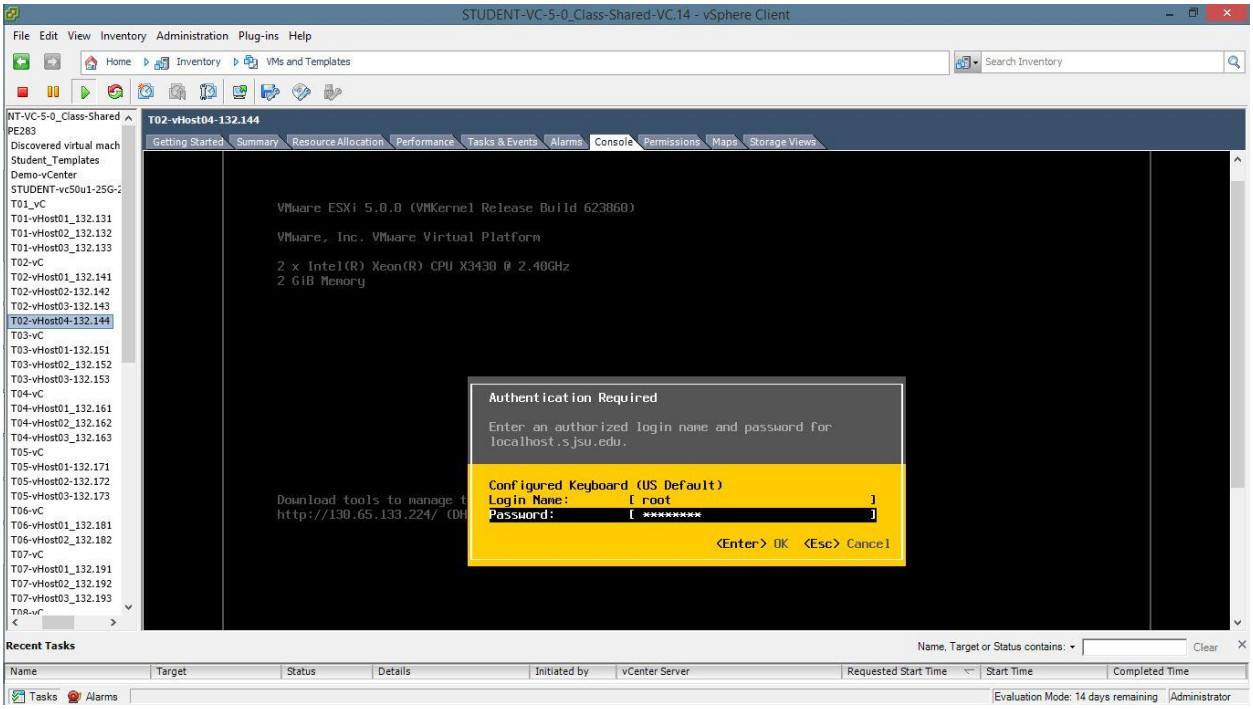
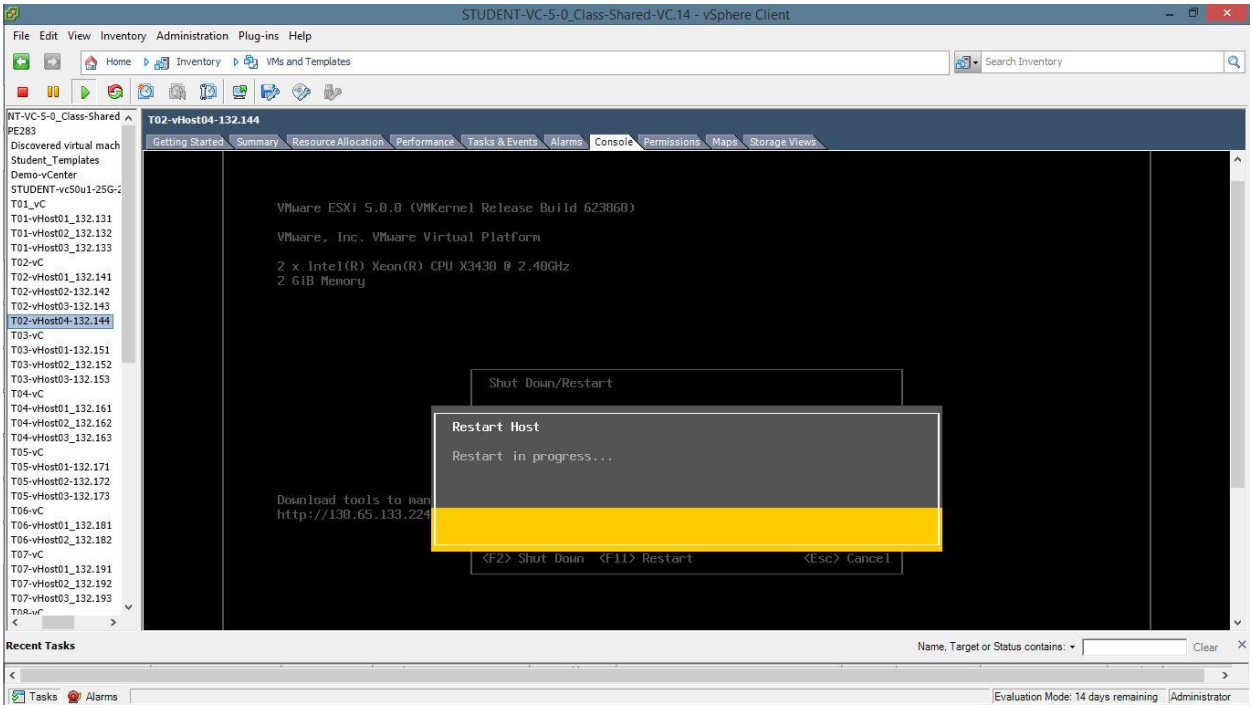
Name	Target	Status	Details	Initiated by	vCenter Server	Requested Start Time	Start Time	Completed Time
Clone virtual machine	STUDENT_EVEN-Team_vHost_cum1-2GB-NFS2_TPlate	28%	Copying...	Administrator	STUDENT-VC-5-0_Class-Shared-VC.14	Mar 30 2015 11:03:06 AM	Mar 30 2015 11:03:06 ...	
Power On virtual mach...	T1S-vC-old	Completed		Administrator	STUDENT-VC-5-0_Class-Shared-VC.14	Mar 30 2015 11:02:06 AM	Mar 30 2015 11:02:07 ...	Mar 30 2015 11:0
Initialize powering On	CMPE283	Completed		Administrator	STUDENT-VC-5-0_Class-Shared-VC.14	Mar 30 2015 11:02:06 AM	Mar 30 2015 11:02:06 ...	Mar 30 2015 11:0
Power On virtual mach...	T02-vC	Completed		Administrator	STUDENT-VC-5-0_Class-Shared-VC.14	Mar 30 2015 10:59:21 AM	Mar 30 2015 10:59:21 ...	Mar 30 2015 10:5
Initialize powering On	CMPE283	Completed		Administrator	STUDENT-VC-5-0_Class-Shared-VC.14	Mar 30 2015 10:59:21 AM	Mar 30 2015 10:59:21 ...	Mar 30 2015 10:5
Clone virtual machine	STUDENT_EVEN-Team_vHost_cum1-2GB-NFS2_TPlate	Completed		Administrator	STUDENT-VC-5-0_Class-Shared-VC.14	Mar 30 2015 10:52:58 AM	Mar 30 2015 10:52:58 ...	Mar 30 2015 10:5

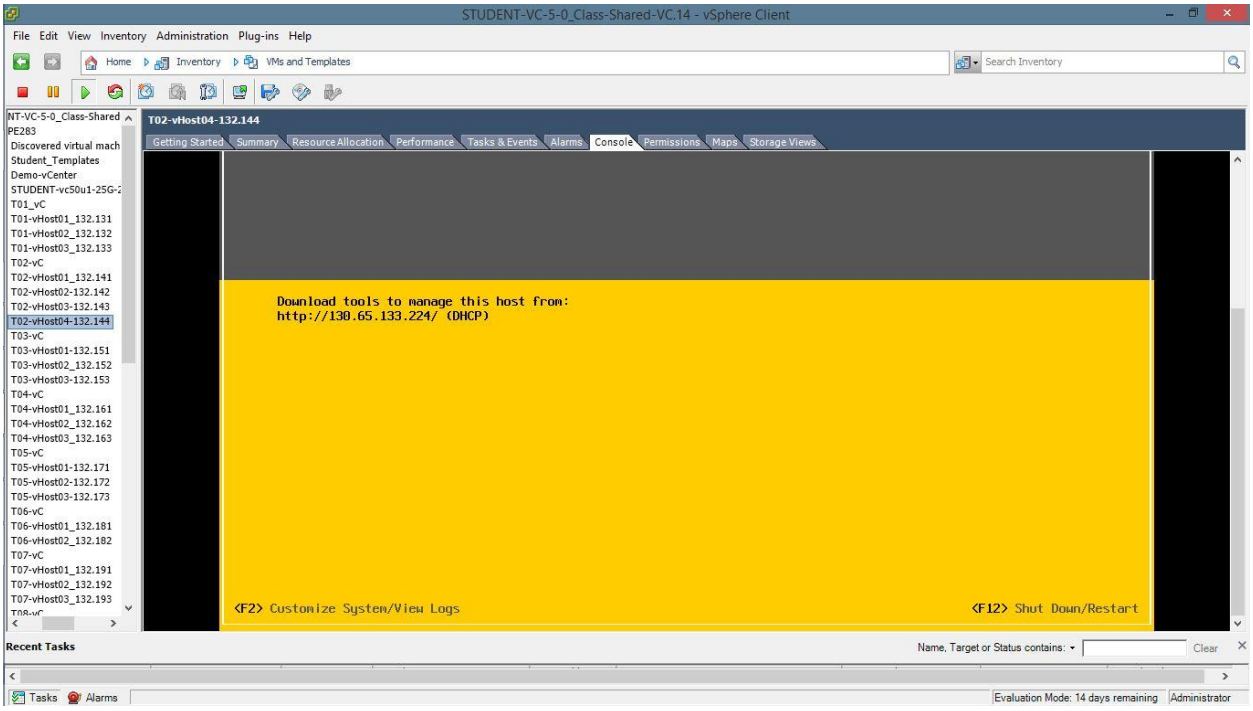
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Loading ESXi installer
Loading /tboot.b00
Loading /b.b00
Loading /useropts.gz
Loading /k.b00
Loading /a.b00
Loading /ata-pata.v00
Loading /ata-pata.v01
Loading /ata-pata.v02
Loading /ata-pata.v03
Loading /ata-pata.v04
Loading /ata-pata.v05
Loading /ata-pata.v06
Loading /ata-pata.v07
Loading /block-cc.v00
Loading /ehci-ehc.v00
Loading /s.v00
Loading /weaselin.i00
Recent Tasks
Name, Target or Status contains:
Clear
Name Target Status Details Initiated by vCenter Server Requested Start Time Start Time Completed Time
Clone virtual machine STUDENT_EVEN-T... 21% Copying Virtual Machine files Administrator STUDENT-VC-5-0_Class-Shared-VC.14 Mar 29 2015 8:26:11 PM Mar 29 2015 8:26:11 PM
Clone virtual machine STUDENT_EVEN-T... Completed Administrator STUDENT-VC-5-0_Class-Shared-VC.14 Mar 29 2015 8:19:49 PM Mar 29 2015 8:19:49 PM Mar 29 2015 8:25:43 PM
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Select a Disk to Install or Upgrade
* Contains a VMFS partition
Storage Device Capacity
Local:
VMware Virtual disk (mpx.vmhba1:C0:T0:L0) 25.00 GiB
Remote:
(none)
(Esc) Cancel (F1) Details (F5) Refresh (Enter) Continue
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator

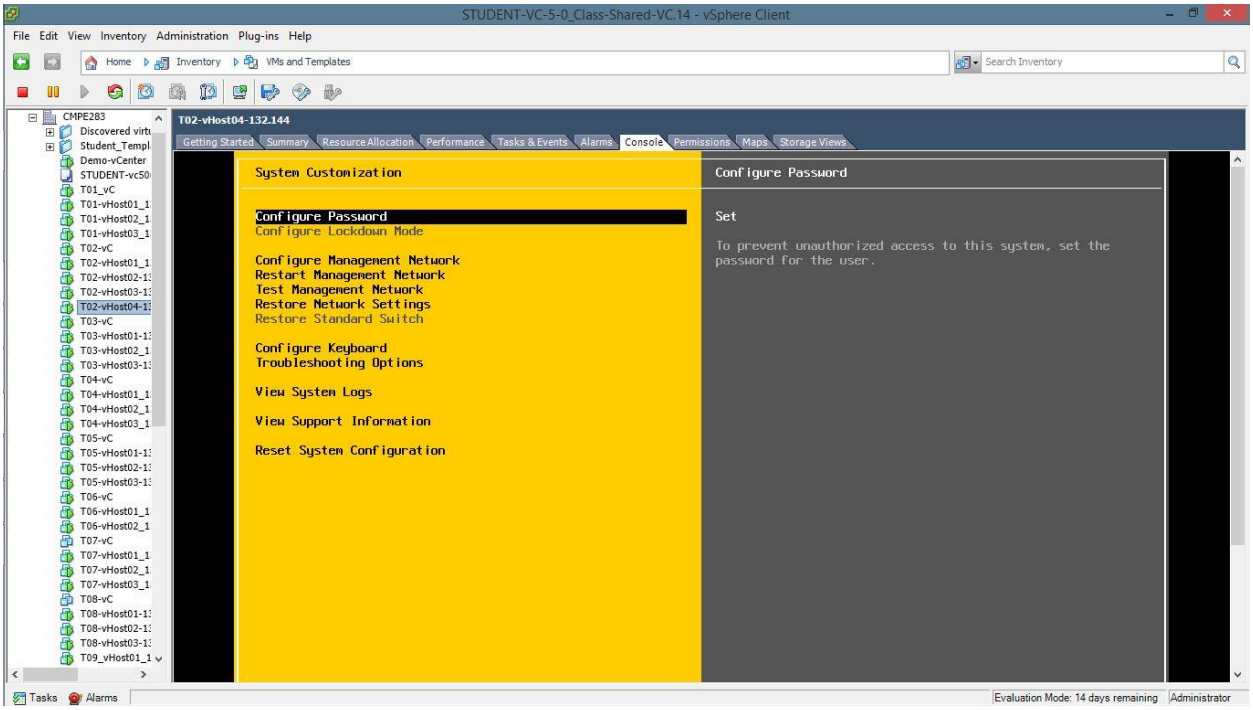
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Please enter a root password (recommended)
Root password: ********
Confirm password: ********
Passwords match.
(Esc) Cancel (F9) Back (Enter) Continue
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator
VMware vSphere PowerCLI 6.0 Release 1
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Move-VMHost (Get-VMHost 130.65.132*) -Destination (Get-Datacenter T02-DC-Bhargav)
Name ConnectionState PowerState NumCpu CpuUsageMhz CpuTotalMhz
130.65.132.141 Connected PoweredOn 2 89 4786
130.65.132.144 Connected PoweredOn 2 179 4786
130.65.132.145 Connected PoweredOn 2 82 4786
130.65.132.142 Connected PoweredOn 2 214 4786
130.65.132.143 Connected PoweredOn 2 166 4786
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>

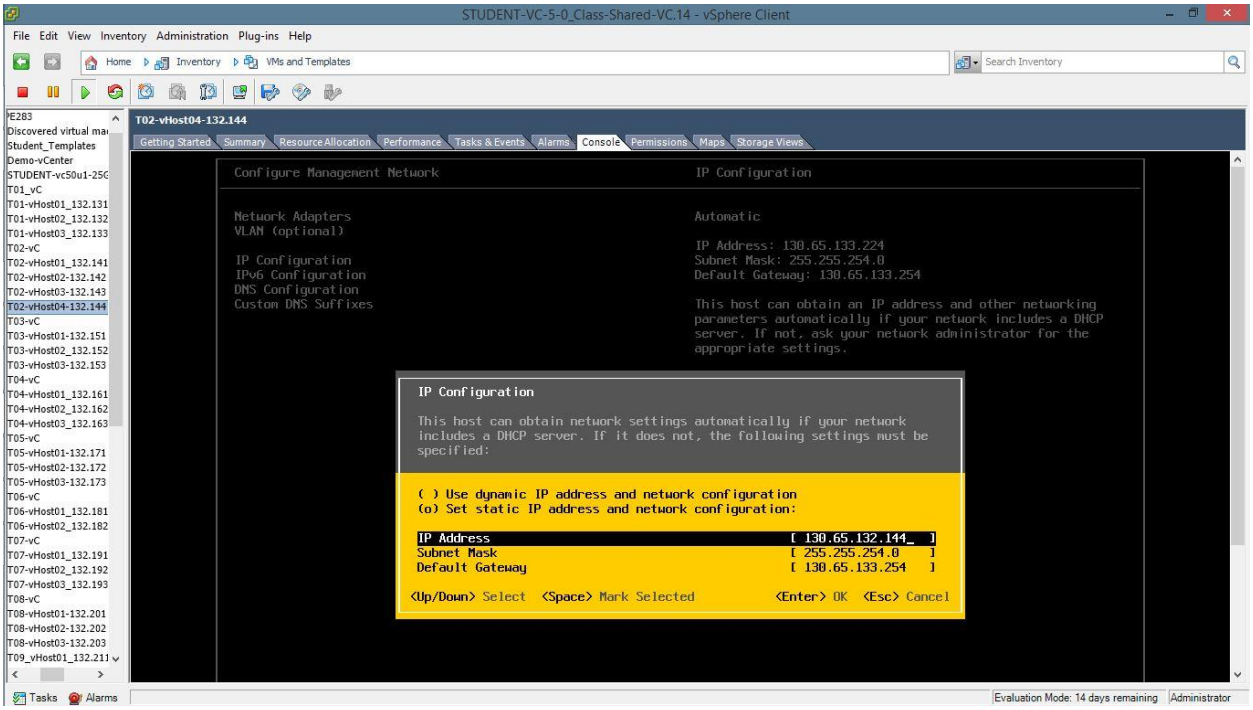
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Installing ESXi 5.0.0
9 %
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
VMware ESXi 5.0.0 Installer
Installation Complete
ESXi 5.0.0 has been successfully installed.
ESXi 5.0.0 will operate in evaluation mode for 60 days. To use ESXi 5.0.0 after the evaluation period, you must register for a VMware product license. To administer your server, use the vSphere Client or the Direct Control User Interface.
Remove the installation disc before rebooting.
Reboot the server to start using ESXi 5.0.0.
(Enter) Reboot
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator

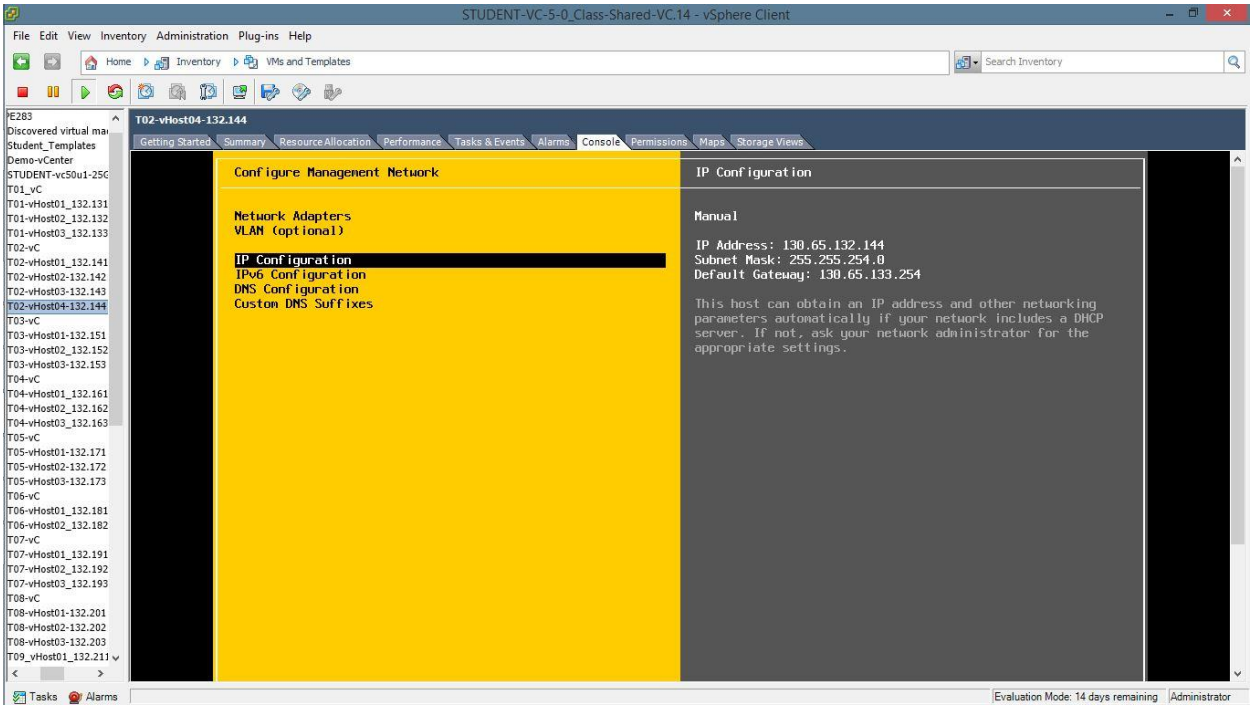
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Rebooting Server
The server will shut down and reboot.
The process will take a short time to complete.
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
VMware ESXi 5.0.0 (VMKernel Release Build 623860)
VMware, Inc. VMware Virtual Platform
2 x Intel(R) Xeon(R) CPU X3430 @ 2.40GHz
2 GiB Memory
VMKernel loaded successfully.
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator

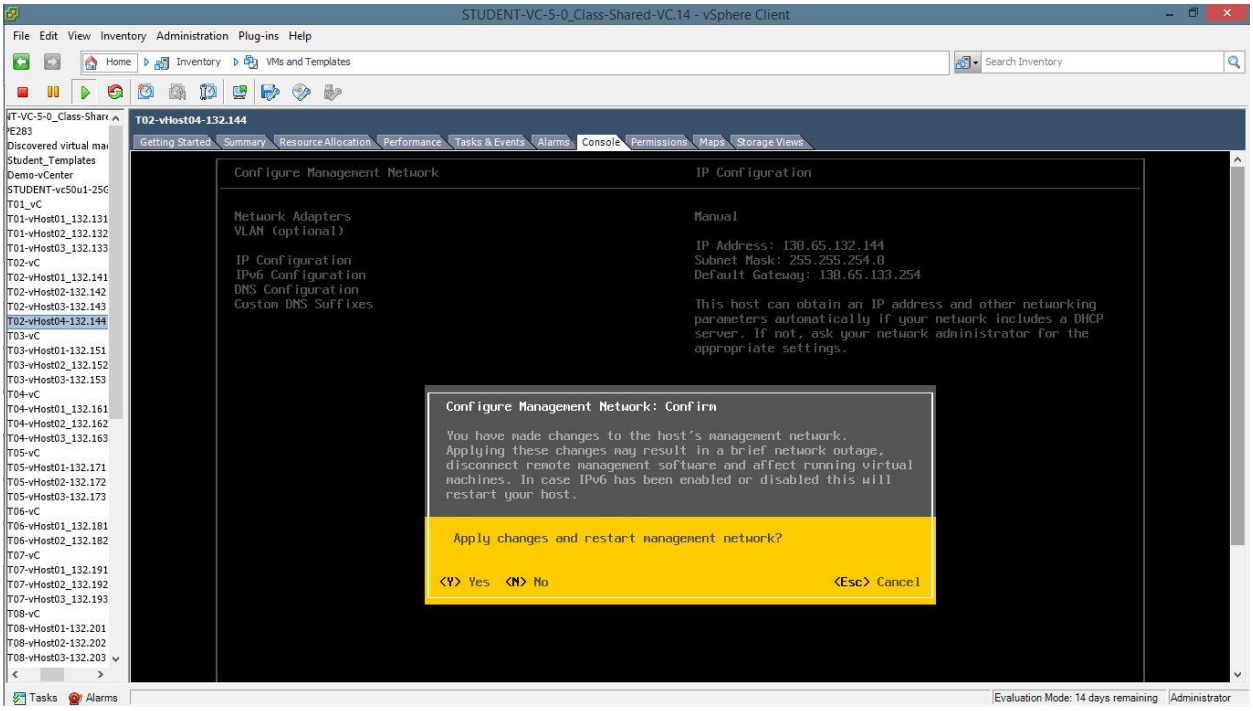
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
VMware ESXi 5.0.0 (VMKernel Release Build 623860)
VMware, Inc. VMware Virtual Platform
2 x Intel(R) Xeon(R) CPU X3430 @ 2.40GHz
2 GiB Memory
Authentication Required
Enter an authorized login name and password for localhost.sjsu.edu.
Configured Keyboard (US Default)
Login Name: [root]
Password: [********]
<Enter> OK <Esc> Cancel
Recent Tasks
Name Target Status Details Initiated by vCenter Server Requested Start Time Start Time Completed Time
Tasks Alarms
Evaluation Mode: 14 days remaining Administrator
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
VMware ESXi 5.0.0 (VMKernel Release Build 623860)
VMware, Inc. VMware Virtual Platform
2 x Intel(R) Xeon(R) CPU X3430 @ 2.40GHz
2 GiB Memory
Shut Down/Restart
Restart Host
Restart in progress...
<F2> Shut Down <F11> Restart <Esc> Cancel
Recent Tasks
Tasks Alarms
Evaluation Mode: 14 days remaining Administrator

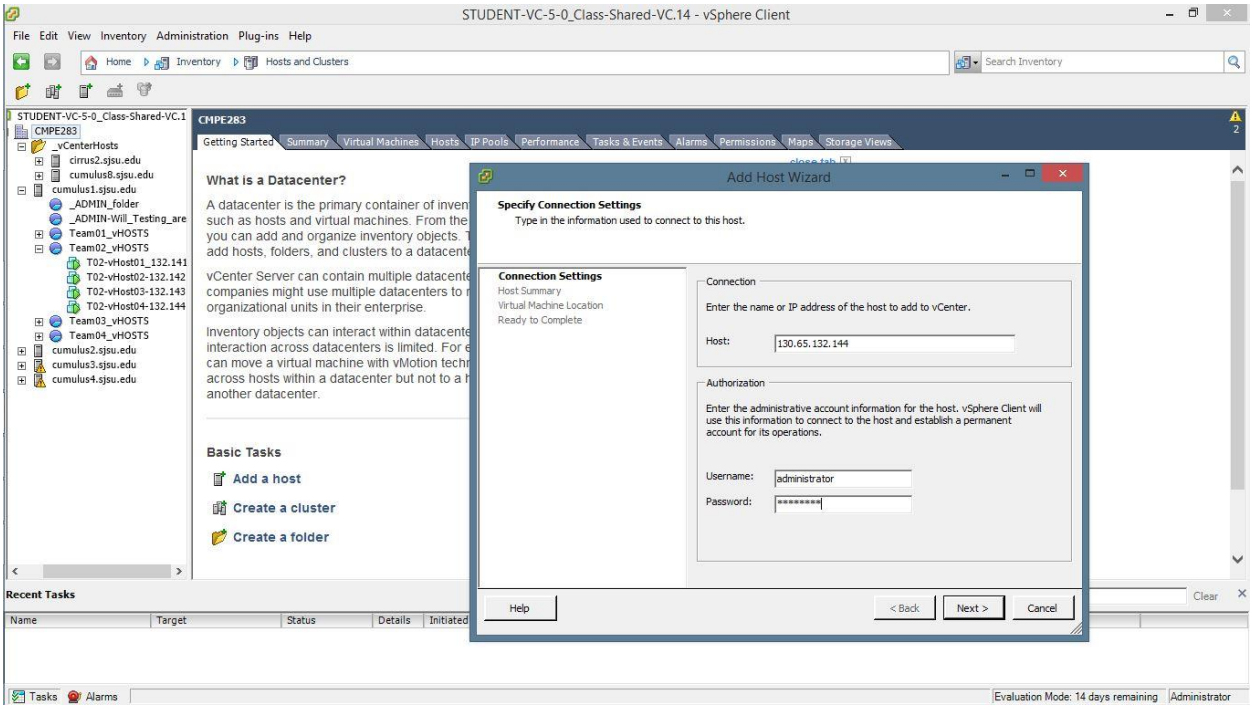
- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Download tools to manage this host from:
http://130.65.133.224/ (DHCP)
<F2> Customize System/View Logs
<F12> Shut Down/Restart
Recent Tasks
Name, Target or Status contains:
Clear
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator

- 
STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
System Customization
Configure Password
Configure Lockdown Mode
Configure Management Network
Restart Management Network
Test Management Network
Restore Network Settings
Restore Standard Switch
Configure Keyboard
Troubleshooting Options
View System Logs
View Support Information
Reset System Configuration
Configure Password
Set
To prevent unauthorized access to this system, set the password for the user.
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator

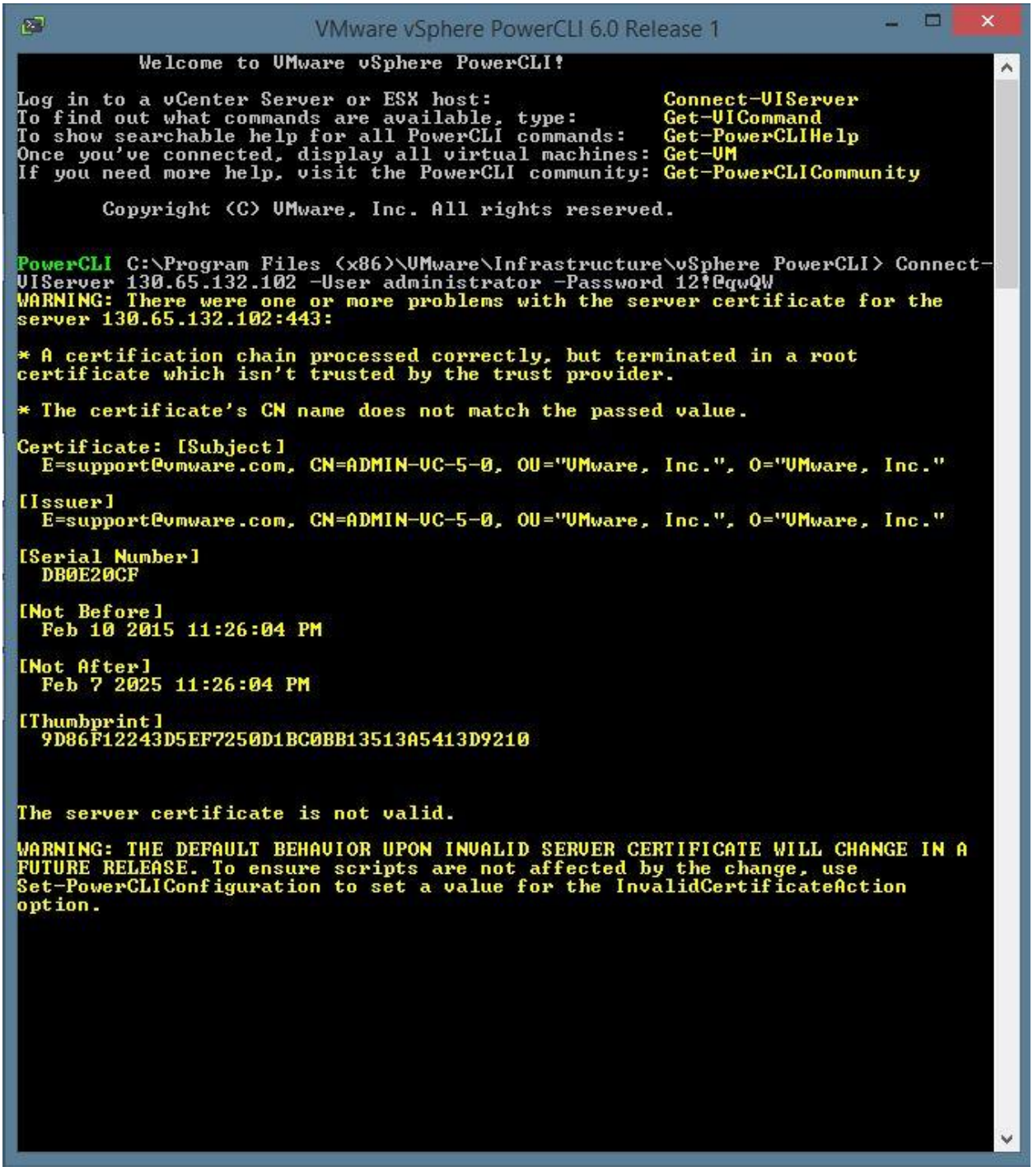

STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Configure Management Network
Network Adapters
VLAN (optional)
IP Configuration
IPv6 Configuration
DNS Configuration
Custom DNS Suffixes
IP Configuration
Automatic
IP Address: 130.65.133.224
Subnet Mask: 255.255.254.0
Default Gateway: 130.65.133.254
This host can obtain an IP address and other networking parameters automatically if your network includes a DHCP server. If not, ask your network administrator for the appropriate settings.
IP Configuration
This host can obtain network settings automatically if your network includes a DHCP server. If it does not, the following settings must be specified:
( ) Use dynamic IP address and network configuration
(o) Set static IP address and network configuration:
IP Address [130.65.132.144_]
Subnet Mask [255.255.254.0]
Default Gateway [130.65.133.254]
<Up/Down> Select <Space> Mark Selected <Enter> OK <Esc> Cancel
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator


STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Configure Management Network
Network Adapters
VLAN (optional)
IP Configuration
IPv6 Configuration
DNS Configuration
Custom DNS Suffixes
IP Configuration
Manual
IP Address: 130.65.132.144
Subnet Mask: 255.255.254.0
Default Gateway: 130.65.133.254
This host can obtain an IP address and other networking parameters automatically if your network includes a DHCP server. If not, ask your network administrator for the appropriate settings.
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator


STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory VMs and Templates
Search Inventory
T02-vHost04-132.144
Getting Started Summary Resource Allocation Performance Tasks & Events Alarms Console Permissions Maps Storage Views
Configure Management Network
IP Configuration
Network Adapters
VLAN (optional)
IP Configuration
IPv6 Configuration
DNS Configuration
Custom DNS Suffixes
Manual
IP Address: 130.65.132.144
Subnet Mask: 255.255.254.0
Default Gateway: 130.65.133.254
This host can obtain an IP address and other networking parameters automatically if your network includes a DHCP server. If not, ask your network administrator for the appropriate settings.
Configure Management Network: Confirm
You have made changes to the host's management network. Applying these changes may result in a brief network outage, disconnect remote management software and affect running virtual machines. In case IPv6 has been enabled or disabled this will restart your host.
Apply changes and restart management network?
<Y> Yes <N> No
<Esc> Cancel
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator


STUDENT-VC-5-0_Class-Shared-VC.14 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Hosts and Clusters
Search Inventory
CMPE283
Getting Started Summary Virtual Machines Hosts IP Pools Performance Tasks & Events Alarms Permissions Maps Storage Views
What is a Datacenter?
Basic Tasks
Add a host
Create a cluster
Create a folder
Add Host Wizard
Specify Connection Settings
Type in the information used to connect to this host.
Connection Settings
Host Summary
Virtual Machine Location
Ready to Complete
Connection
Enter the name or IP address of the host to add to vCenter.
Host: 130.65.132.144
Authorization
Enter the administrative account information for the host. vSphere Client will use this information to connect to the host and establish a permanent account for its operations.
Username: administrator
Password:
Help
< Back
Next >
Cancel
Recent Tasks
Name Target Status Details Initiated
Tasks Alarms
Evaluation Mode: 14 days remaining
Administrator

Phase 2: Using PowerCLI

- 

-

```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-Data
center

Name
----
T02-DC-Bhargav
T02-DC-Cha
T02-DC-Jawahar
T02-chanikya
T02
T02_DC-Bhargav
T02_DC
T02_DC1_PSC


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
```

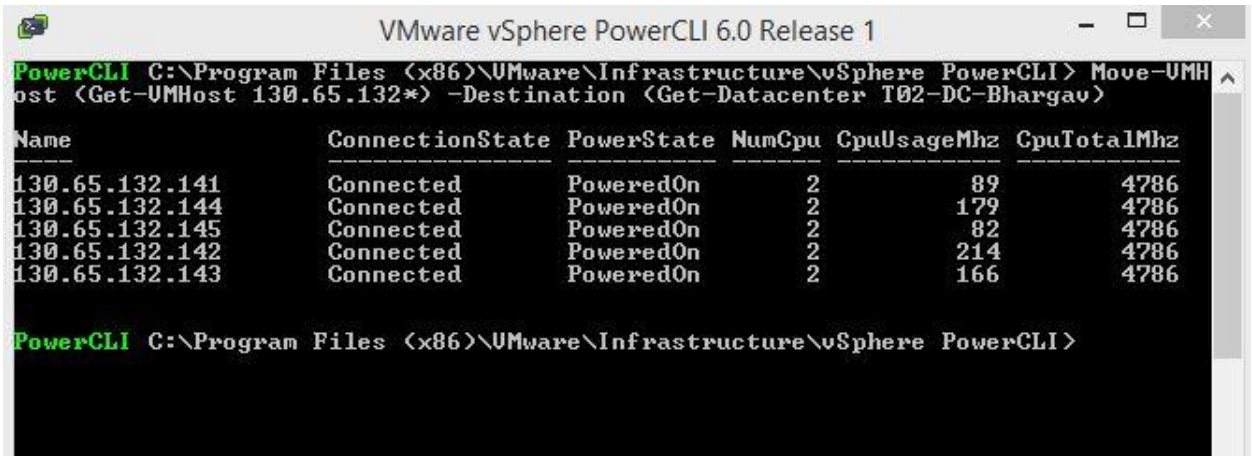
-

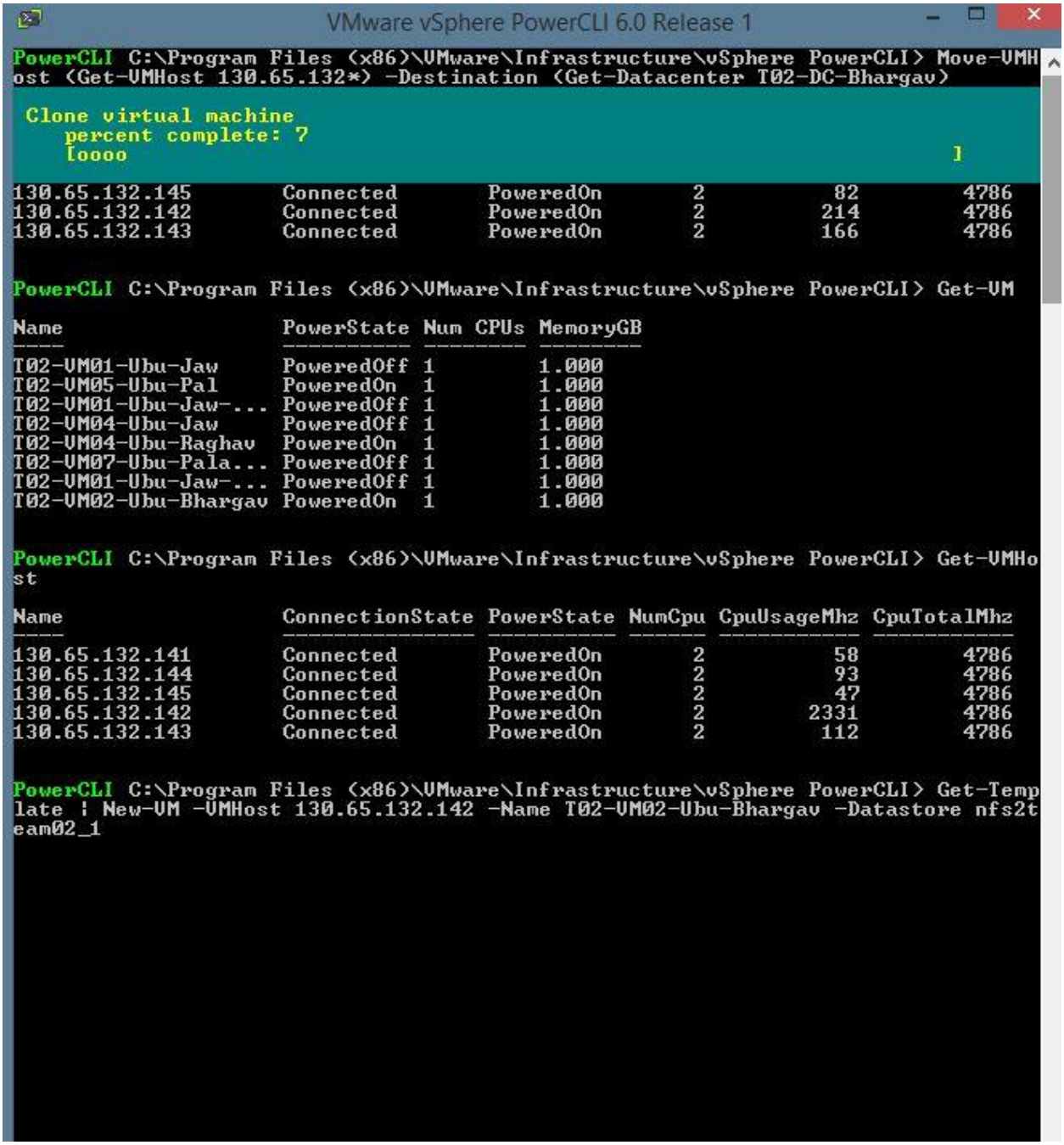
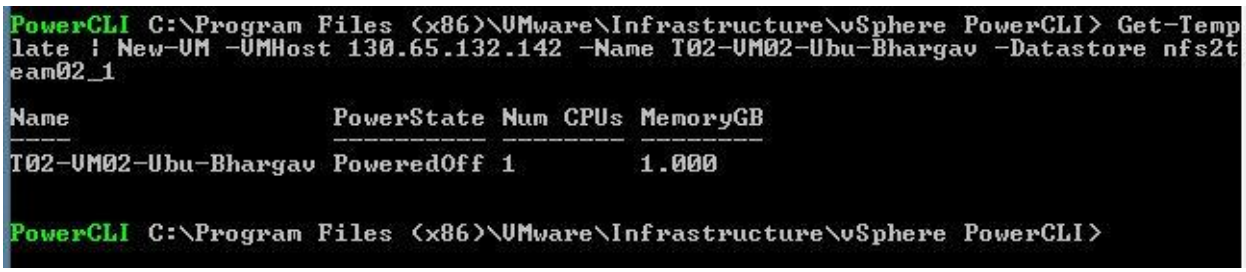
```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> New-Temp
late -VM T02-VM05-Ubu-Cha -Name T02-VM-Template-Ubu -Location T02-DC-Cha

Clone virtual machine
   percent complete: 96
   [oooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooooo   ]
```

-

```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VMHo
st

Name                 ConnectionState PowerState NumCpu CpuUsageMhz CpuTotalMhz
----                 --------------- ---------- ------ ----------- -----------
130.65.132.141       Connected       PoweredOn       2          39        4786
130.65.132.142       Connected       PoweredOn       2        2427        4786
130.65.132.143       Connected       PoweredOn       2          53        4786
130.65.132.144       Connected       PoweredOn       2          86        4786
130.65.132.145       Connected       PoweredOn       2          99        4786


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
```

-


VMware vSphere PowerCLI 6.0 Release 1
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Move-VMHost (Get-VMHost 130.65.132*) -Destination (Get-Datacenter T02-DC-Bhargav)
Name ConnectionState PowerState NumCpu CpuUsageMhz CpuTotalMhz
130.65.132.141 Connected PoweredOn 2 89 4786
130.65.132.144 Connected PoweredOn 2 179 4786
130.65.132.145 Connected PoweredOn 2 82 4786
130.65.132.142 Connected PoweredOn 2 214 4786
130.65.132.143 Connected PoweredOn 2 166 4786
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>

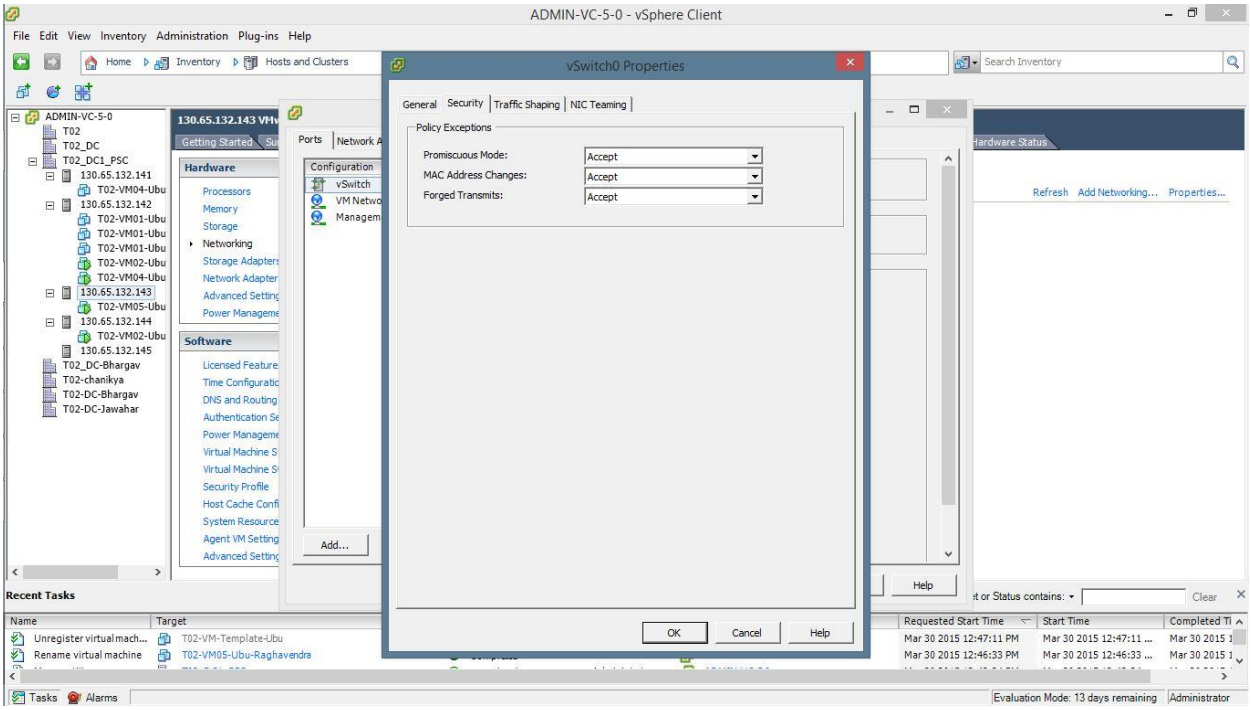
- 
VMware vSphere PowerCLI 6.0 Release 1
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Move-VMHost (Get-VMHost 130.65.132*) -Destination (Get-Datacenter T02-DC-Bhargav)
Clone virtual machine
percent complete: 7
[ooo
130.65.132.145 Connected PoweredOn 2 82 4786
130.65.132.142 Connected PoweredOn 2 214 4786
130.65.132.143 Connected PoweredOn 2 166 4786
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VM
Name PowerState Num CPUs MemoryGB
T02-VM01-Ubu-Jaw PoweredOff 1 1.000
T02-VM05-Ubu-Pal PoweredOn 1 1.000
T02-VM01-Ubu-Jaw-... PoweredOff 1 1.000
T02-VM04-Ubu-Jaw PoweredOff 1 1.000
T02-VM04-Ubu-Raghav PoweredOn 1 1.000
T02-VM07-Ubu-Pala... PoweredOff 1 1.000
T02-VM01-Ubu-Jaw-... PoweredOff 1 1.000
T02-VM02-Ubu-Bhargav PoweredOn 1 1.000
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VMHost
Name ConnectionState PowerState NumCpu CpuUsageMhz CpuTotalMhz
130.65.132.141 Connected PoweredOn 2 58 4786
130.65.132.144 Connected PoweredOn 2 93 4786
130.65.132.145 Connected PoweredOn 2 47 4786
130.65.132.142 Connected PoweredOn 2 2331 4786
130.65.132.143 Connected PoweredOn 2 112 4786
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-Template | New-VM -VMHost 130.65.132.142 -Name T02-VM02-Ubu-Bhargav -Datastore nfs2team02_1
- 
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-Template | New-VM -VMHost 130.65.132.142 -Name T02-VM02-Ubu-Bhargav -Datastore nfs2team02_1
Name PowerState Num CPUs MemoryGB
T02-VM02-Ubu-Bhargav PoweredOff 1 1.000
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>

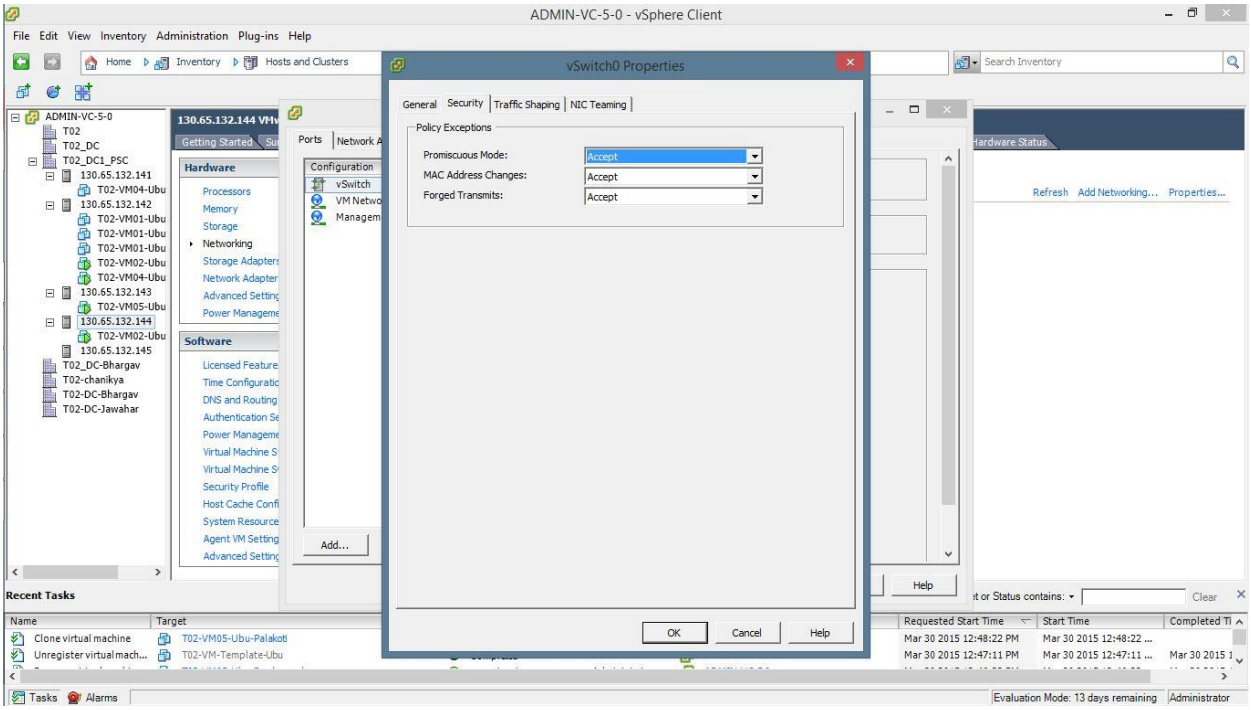
- ```
  PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Start-VM
   -VM "T02-VM02-Ubu-Bhargav" -RunAsync -Confirm:$false

  Name                           State      % Complete Start Time   Finish Time
  ----                           -----      ---------- ----------   -----------
                                 Running             0 12:38:02 PM
                                 Running             0 12:38:02 PM
  ```

- ```
  PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VMHo
  st | Get-VMHostNetworkAdapter -VMKernel | Set-VMHostNetworkAdapter -VMotionEnabl
  ed $true -Confirm:$false

  Name       Mac               DhcpEnabled IP              SubnetMask      Device
                                                                           Name
  ----       ---               ----------- --              ----------      ------
  vmk0       00:50:56:97:10:d4 False       130.65.132.141  255.255.254.0     vmk0
  vmk0       00:50:56:97:7b:15 False       130.65.132.144  255.255.254.0     vmk0
  vmk0       00:50:56:97:7b:14 False       130.65.132.145  255.255.254.0     vmk0
  vmk0       00:50:56:97:10:d8 False       130.65.132.142  255.255.254.0     vmk0
  vmk0       00:50:56:97:7a:ed False       130.65.132.143  255.255.254.0     vmk0


  PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
  ```

- ```
  Name                 ConnectionState PowerState NumCpu CpuUsageMhz CpuTotalMhz
  ----                 --------------- ---------- ------ ----------- -----------

   Relocate virtual machine
      percent complete: 50
      [oooooooooooooooooooooooooooooooooo                                  ]



  PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VM -
  Name T02-VM02-Ubu-Bhargav | Move-VM -Destination 130.65.132.144

  Name                 PowerState Num CPUs MemoryGB
  ----                 ---------- -------- ---------
  T02-VM02-Ubu-Bhargav PoweredOn  1        1.000
  ```

- ```
  PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VM -
  Name T02-VM04-Ubu-chanikya | Move-VM -Destination 130.65.132.143

  Name               PowerState Num CPUs Memory (MB)
  ----               ---------- -------- -----------
  T02-VM04-Ubu-chan... PoweredOn  1        1024


  PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
  ```


ADMIN-VC-5-0 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Hosts and Clusters
Search Inventory
vSwitch0 Properties
General Security Traffic Shaping NIC Teaming
Policy Exceptions
Promiscuous Mode: Accept
MAC Address Changes: Accept
Forged Transmits: Accept
OK Cancel Help
Recent Tasks
Unregister virtual mach...
Rename virtual machine
Evaluation Mode: 13 days remaining
Administrator

- 
ADMIN-VC-5-0 - vSphere Client
File Edit View Inventory Administration Plug-ins Help
Home Inventory Hosts and Clusters
Search Inventory
vSwitch0 Properties
General Security Traffic Shaping NIC Teaming
Policy Exceptions
Promiscuous Mode: Accept
MAC Address Changes: Accept
Forged Transmits: Accept
OK Cancel Help
Recent Tasks
Clone virtual machine
Unregister virtual mach...
Evaluation Mode: 13 days remaining
Administrator

```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Stop-VM
-VM T02-VM04-Ubu-chanikya -Confirm:$false

Name                 PowerState Num CPUs Memory (MB)
----                 ---------- -------- -----------
T02-VM04-Ubu-chan... PoweredOff 1        1024


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
```

-

-

```
VMware vSphere PowerCLI 6.0 Release 1
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-VM

 Remove-VM
    percent complete: 0
    [                                                                    ]

T02-VM01-Ubu-Jaw-... PoweredOff 1        1.000
T02-VM04-Ubu-Jaw     PoweredOff 1        1.000
T02-VM04-Ubu-Raghav  PoweredOn  1        1.000
T02-VM01-Ubu-Jaw-... PoweredOff 1        1.000
T02-VM05-Ubu-Rag     PoweredOn  1        1.000
T02-VM02-Ubu-Bhargav PoweredOn  1        1.000


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Remove-V
M T02-VM02-Ubu-Bhargav -Confirm:$false
```

-

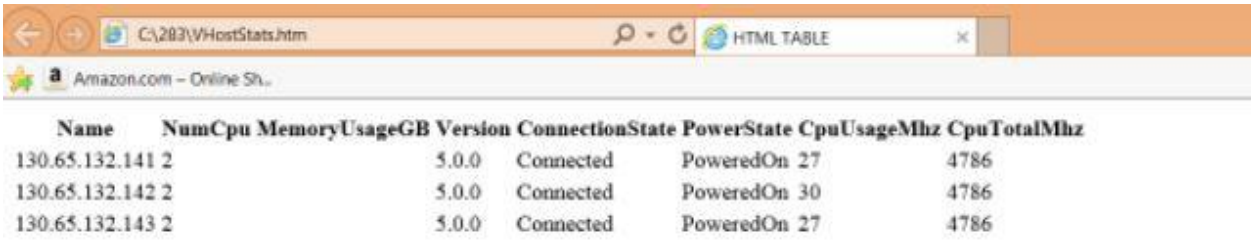
```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-Data
center

Name
----
T02-DC-Bhargav
T02-DC-Jawahar
T02-chanikya
T02
T02_DC-Bhargav
T02_DC
T02_DC1_PSC


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Remove-D
atacenter T02_DC-Bhargav

Confirm
Are you sure you want to perform this action?
Performing the operation "Remove-Datacenter" on target "Datacenter
'T02_DC-Bhargav'".
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help
(default is "Y"):Y
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
```

```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-Data
center

Name
----
T02-DC-Bhargav
T02-DC-Jawahar
T02-chanikya
T02
T02_DC-Bhargav
T02_DC
T02_DC1_PSC


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Remove-D
atacenter T02_DC-Bhargav

Confirm
Are you sure you want to perform this action?
Performing the operation "Remove-Datacenter" on target "Datacenter
'T02_DC-Bhargav'".
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help
(default is "Y"):Y
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Get-Data
center

Name
----
T02-DC-Bhargav
T02-DC-Jawahar
T02-chanikya
T02
T02_DC
T02_DC1_PSC


PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI>
```

Phase 3:

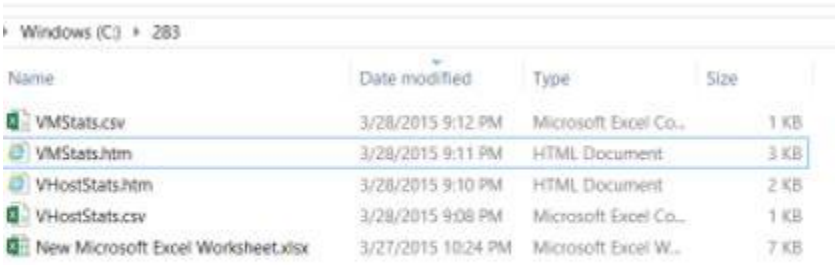
```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Remove-Datacenter T02-Rag

Confirm
Are you sure you want to perform this action?
Performing the operation "Remove-Datacenter" on target "Datacenter 'T02-Rag'".
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help (default is "Y"): Y
```

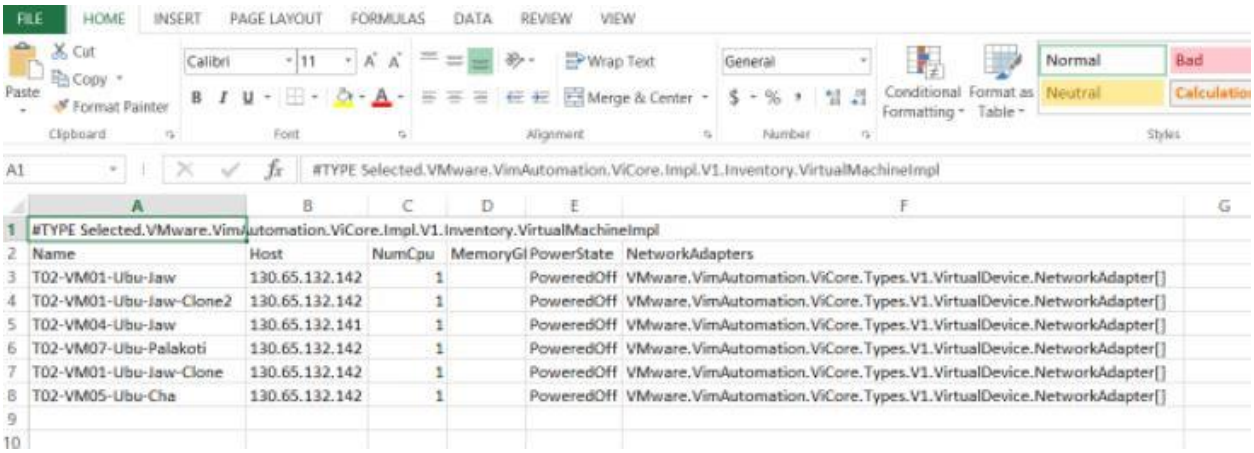
```
PowerCLI C:\Program Files (x86)\VMware\Infrastructure\vSphere PowerCLI> Remove-Datacenter T02-Rag

Removing datacenter
    percent complete: 50
    [ooooooo
```



Name	NumCpu	MemoryUsageGB	Version	ConnectionState	PowerState	CpuUsageMhz	CpuTotalMhz
130.65.132.141	2		5.0.0	Connected	PoweredOn	27	4786
130.65.132.142	2		5.0.0	Connected	PoweredOn	30	4786
130.65.132.143	2		5.0.0	Connected	PoweredOn	27	4786

Name	Host	NumCpu	MemoryGB	PowerState	NetworkAdapters
T02-VM01-Ubu-Jaw	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]
T02-VM01-Ubu-Jaw-Clone2	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]
T02-VM04-Ubu-Jaw	130.65.132.141	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]
T02-VM07-Ubu-Palakoti	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]
T02-VM01-Ubu-Jaw-Clone	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]
T02-VM05-Ubu-Cha	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]





	A	B	C	D	E	F	G
1	#TYPE Selected.VMware.VimAutomation.ViCore.Impl.V1.Inventory.VirtualMachineImpl						
2	Name	Host	NumCpu	MemoryGI	PowerState	NetworkAdapters	
3	T02-VM01-Ubu-Jaw	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]	
4	T02-VM01-Ubu-Jaw-Clone2	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]	
5	T02-VM04-Ubu-Jaw	130.65.132.141	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]	
6	T02-VM07-Ubu-Palakoti	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]	
7	T02-VM01-Ubu-Jaw-Clone	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]	
8	T02-VM05-Ubu-Cha	130.65.132.142	1		PoweredOff	VMware.VimAutomation.ViCore.Types.V1.VirtualDevice.NetworkAdapter[]	
9							
10							