

Output:-

Server side

```
C:\> Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC Practical>java tcpServerPrime
Server Started.....
```

Client side

```
C:\> Administrator: C:\Windows\System32\cmd.exe

C:\CC Practical>javac tcpClientPrime.java

C:\CC Practical>java tcpClientPrime
Enter a number :
4
4is not Prime

C:\CC Practical>
```

```
C:\> Administrator: C:\Windows\System32\cmd.exe

C:\CC Practical>java tcpClientPrime
Enter a number :
3
3isPrime
```

Output:-

Server side

```
Administrator: C:\Windows\System32\cmd.exe - java ChatServer
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>java ChatServer
Waiting for Client to connect..
Client Says: hii
Server Says:
hii
```

Client side

```
Administrator: C:\Windows\System32\cmd.exe - java ChatClient
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>java ChatClient
To stop chatting with server type STOP
Client says:
hii
Server Says: hii
Client Says :
```

Output:-

Server side

```
C:\> Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>javac udpServerEO.java

C:\CC PRactical>java udpServerEO
5
```

Client side

```
C:\> Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>java udpClientEO
Enter a number :
5
Number is odd
```

Output:-

Server side

```
C:\> Administrator: C:\Windows\System32\cmd.exe - java RPCServer
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>java RPCServer
add 5 6
result : 11

sub 5 1
result : 4

mul 4 2
result : 8

div 4 2
result : 2
```

Client side

```
C:\> Administrator: C:\Windows\System32\cmd.exe - java RPCClient
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>java RPCClient

RPC Client

Enter method name and parameter like add 3 4

add 5 6

Result = 11

sub 5 1

Result = 4

mul 4 2

Result = 8

div 4 2

Result = 2
```

Server side

[illegible]

Client side

```

C:\Windows\System32\cmd.exe - java BroadcastClient
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC Practical>java BroadcastClient
Message received /172.30.31.71Message is:This is Ratnesh Calling....
Message received /172.30.31.54Message is:This is Pooja Callingng....
Message received /172.30.31.67Message is:This is Tirth Calling.....
Message received /172.30.31.63Message is:This is Manjunath Calling...
Message received /172.30.31.75Message is:This is Mahesh Calling.....
Message received /172.30.31.50Message is:This is Binal Calling.....
Message received /172.30.31.71Message is:This is Ratnesh Calling....
Message received /172.30.31.54Message is:This is Pooja Callingng....
Message received /172.30.31.67Message is:This is Tirth Calling.....

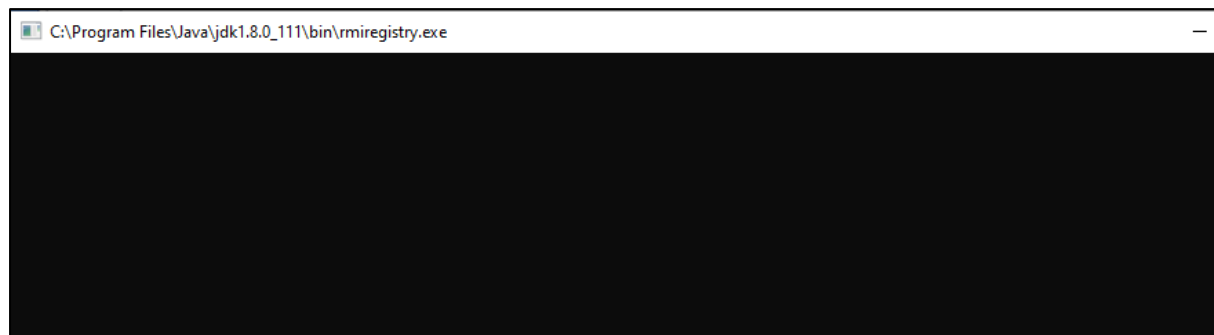
```

Output:-

Enter the command start rmiregistry

```
C:\> Administrator: C:\Windows\System32\cmd.exe - java ServerDate
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>start rmiregistry
```



Server side

```
C:\> Administrator: C:\Windows\System32\cmd.exe - java ServerDate
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>start rmiregistry

C:\CC PRactical>java ServerDate
Object registered.....
_
```

Client side

```
C:\> Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4651]
(c) Microsoft Corporation. All rights reserved.

C:\CC PRactical>java ClientDate
Mon Aug 12 11:10:18 IST 2024

C:\CC PRactical>
```

Practical 5

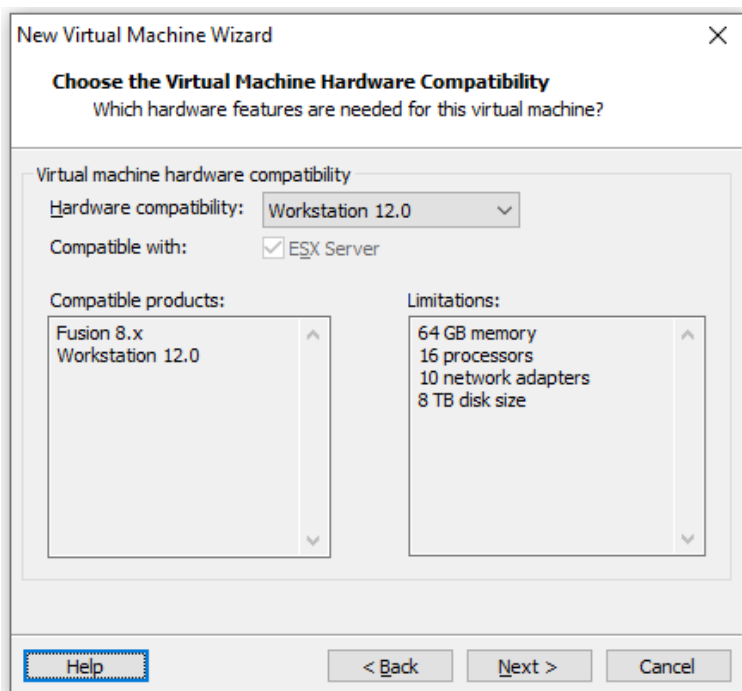
Aim:

Steps:

Click on new Virtual machine and then click on next button.



Click on the next.



Select the disc image file and click on the next button.

New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?


Install from:

☐ Installer disc:

No drives available

☒ Installer disc image file (iso):

D:\CC\Softwares\XenServer-7.0.0-install-cd.iso Browse...

 Could not detect which operating system is in this disc image.
You will need to specify which operating system will be installed.

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

Select the Linux option and click on the next.

New Virtual Machine Wizard

Select a Guest Operating System

Which operating system will be installed on this virtual machine?

Guest operating system

☐ Microsoft Windows

☒ Linux

☐ Novell NetWare

☐ Solaris

☐ VMware ESX

☐ Other

Version

Other Linux 3.x kernel 64-bit

Help < Back Next > Cancel

New Virtual Machine Wizard

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

XenServer

Location:

C:\Users\admin\Documents\Virtual Machines\XenServer Browse...

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:

Location:

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

New Virtual Machine Wizard

Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors:

Number of cores per processor:

Total processor cores: 4

Help < Back Next > Cancel

New Virtual Machine Wizard

Memory for the Virtual Machine
How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

Memory for this virtual machine: MB

Maximum recommended memory: 6328 MB

Recommended memory: 384 MB

Guest OS recommended minimum: 32 MB

Help < Back Next > Cancel

New Virtual Machine Wizard

Network Type
What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

New Virtual Machine Wizard

Select I/O Controller Types
Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

☐ LSI Logic SAS

Help < Back Next > Cancel

New Virtual Machine Wizard

Select a Disk Type
What kind of disk do you want to create?

Virtual disk type

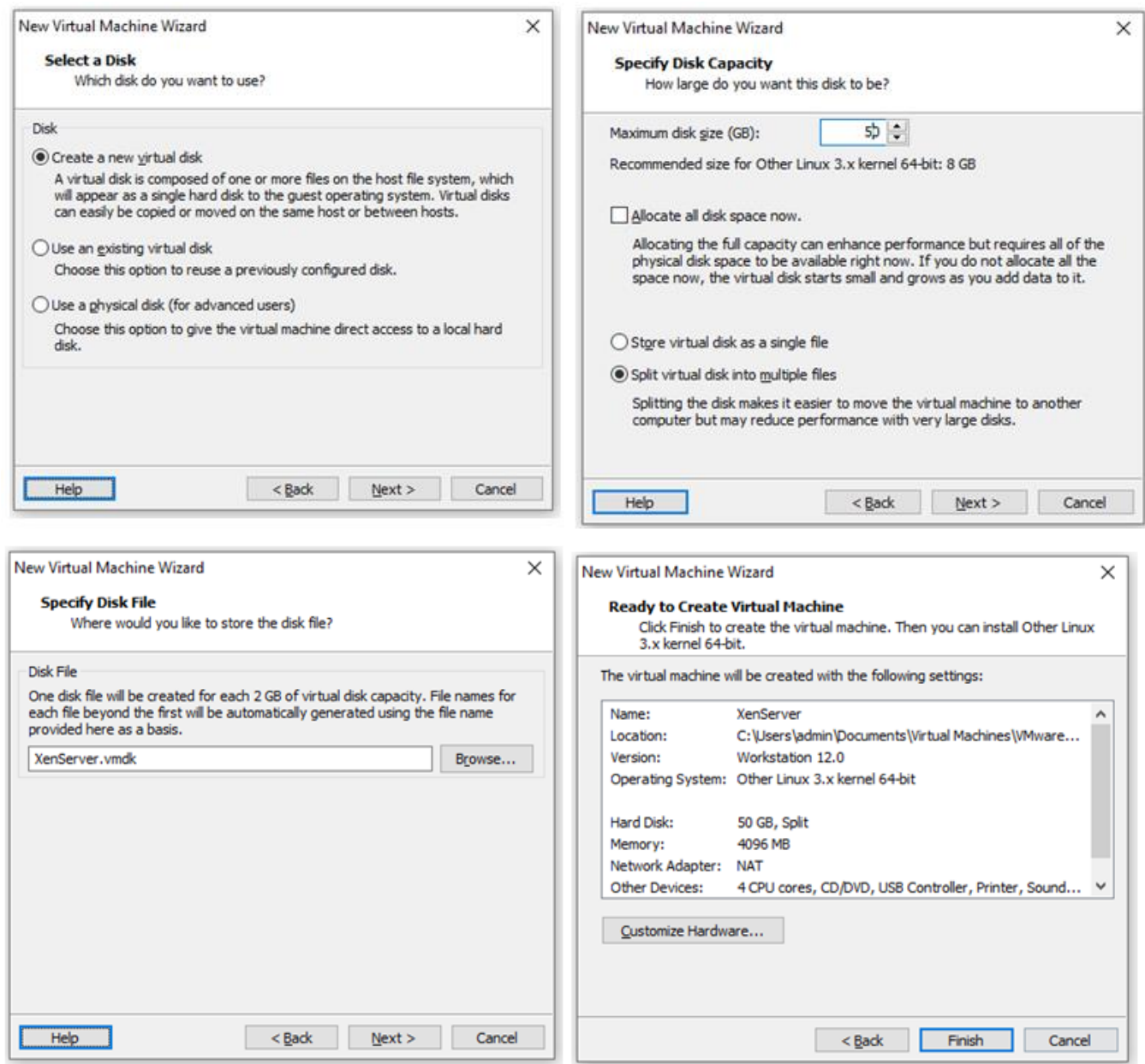
☐ IDE

☒ SCSI (Recommended)

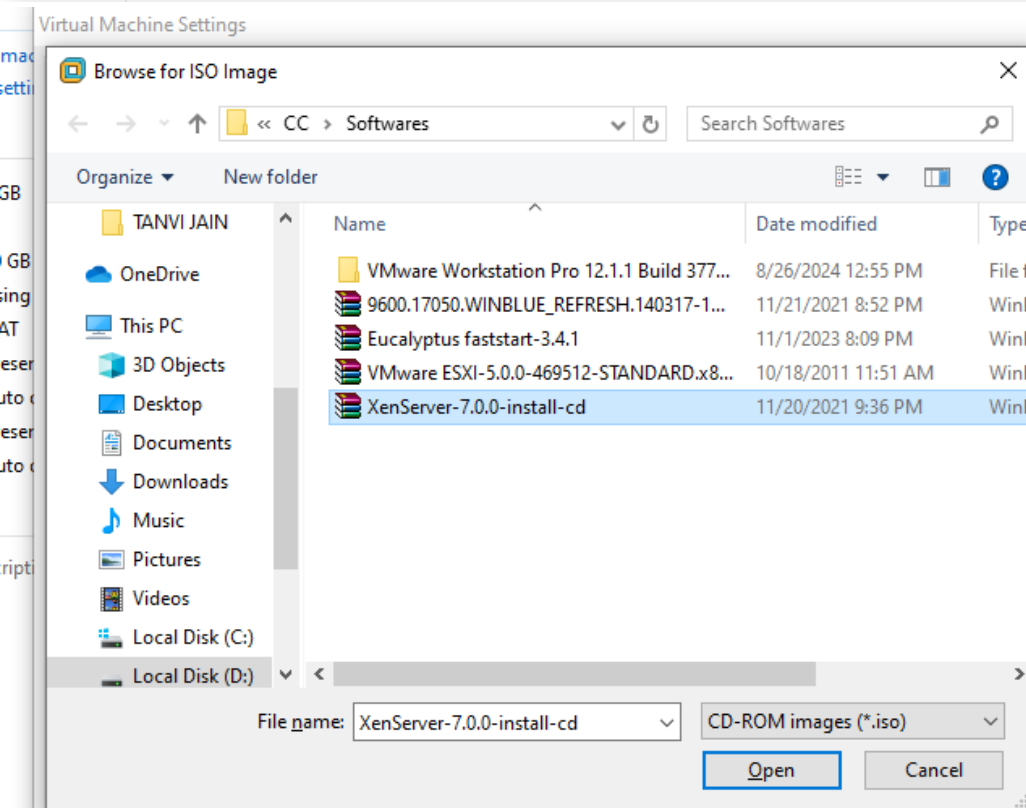
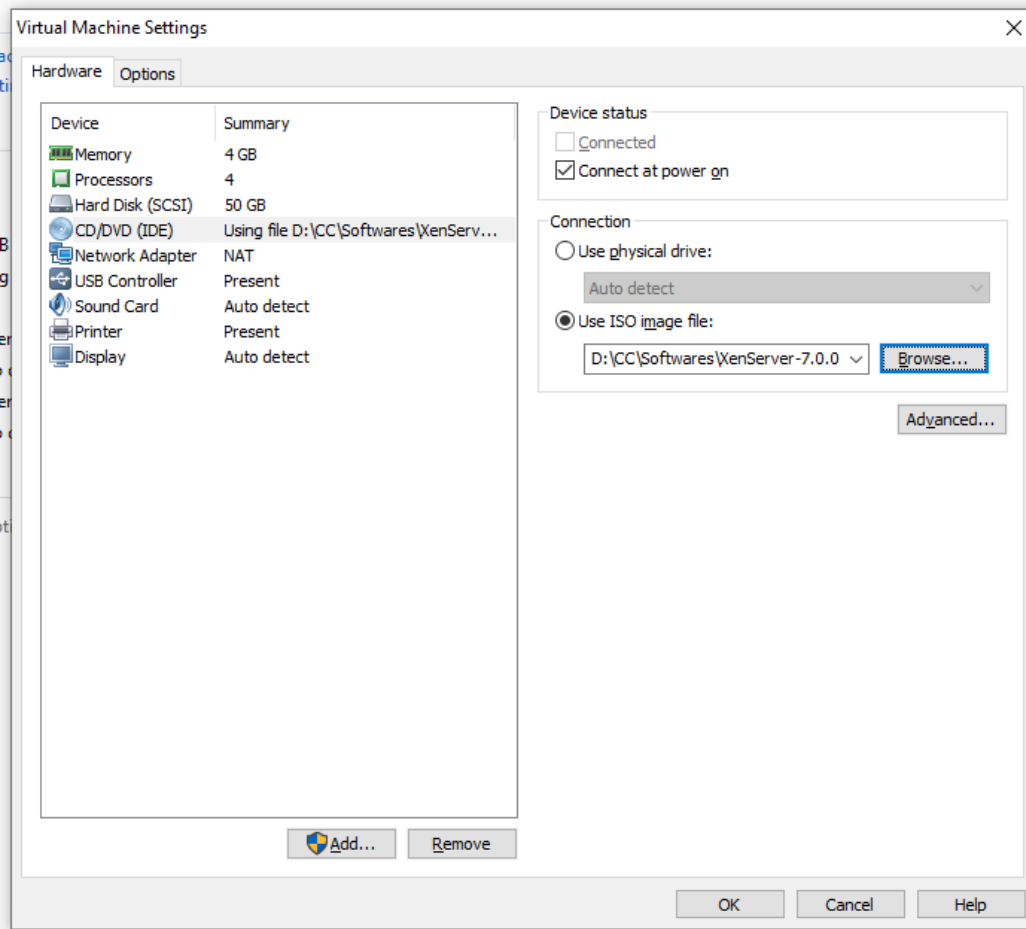
☐ SATA

Help < Back Next > Cancel

Set the 50GB disk size.



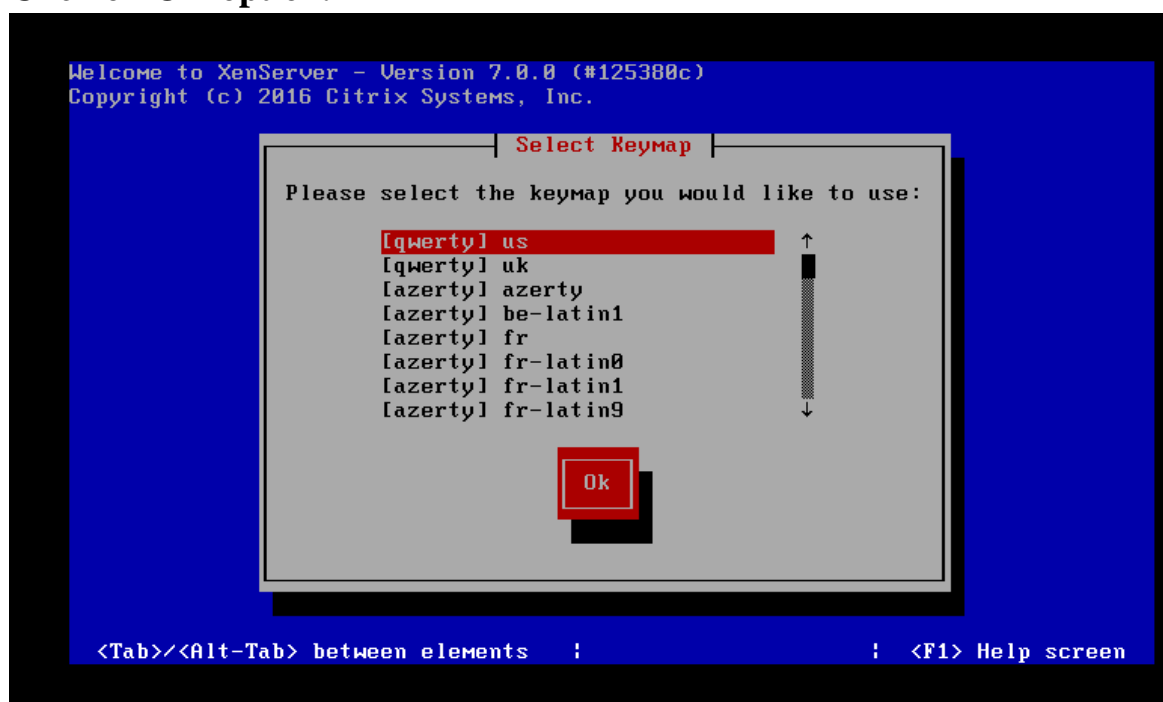
Select the ISO image file.

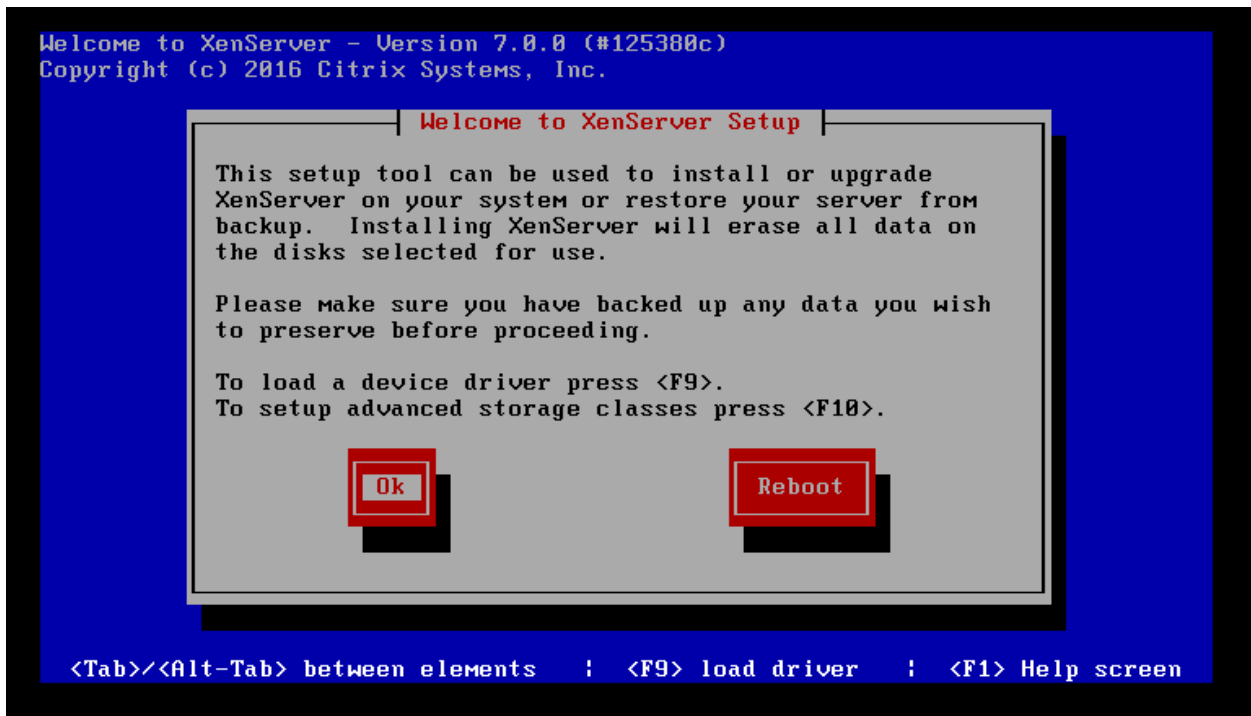


After selecting the ISO image file power on the virtual machine.

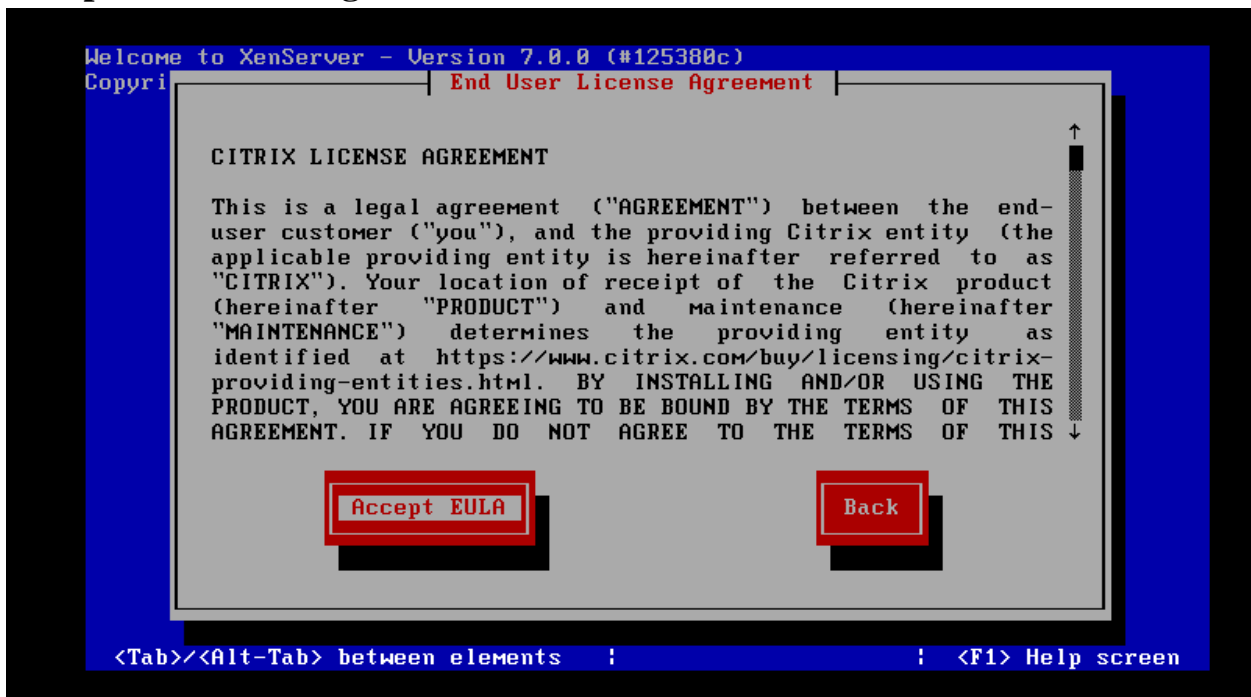


Click on OK option.





Accept the License Agreement.



Click on OK.

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

System Hardware

The following problem(s) were found with your hardware:

Hardware virtualization assist support is not available on this system. Either it is not present, or is disabled in the system's BIOS. This capability is required to start Windows virtual machines.

You may continue with the installation, though XenServer might have limited functionality until you have addressed these problems.

Ok

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyri

Virtual Machine Storage

Which disks would you like to use for Virtual Machine storage?

One storage repository will be created that spans the selected disks. You can choose not to prepare any storage if you wish to create an advanced configuration after installation.

[*] sda - 50 GB [VMware, VMware Virtual S]

[] Enable thin provisioning (Optimized storage for XenDesktop)

Ok

Back

<Tab>/<Alt-Tab> between elements : <F5> more info : <F1> Help screen

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

Select Installation Source

Please select the type of source you would like to use for this installation

Local media

HTTP or FTP

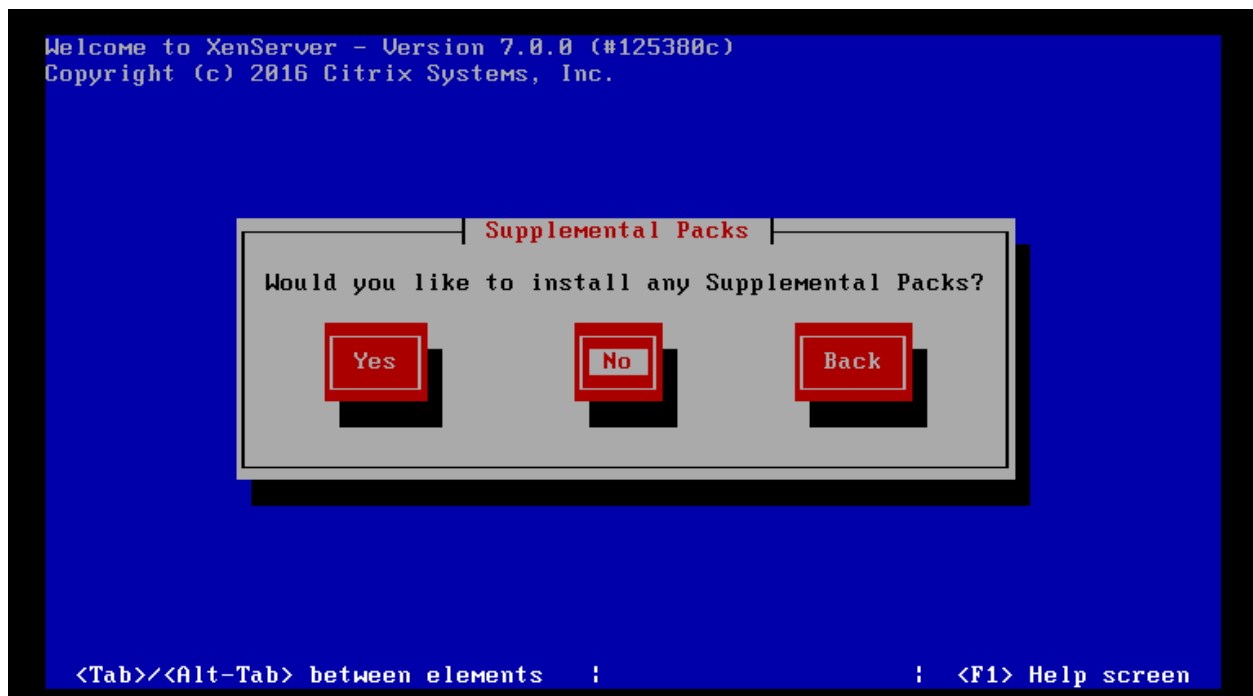
NFS

Ok

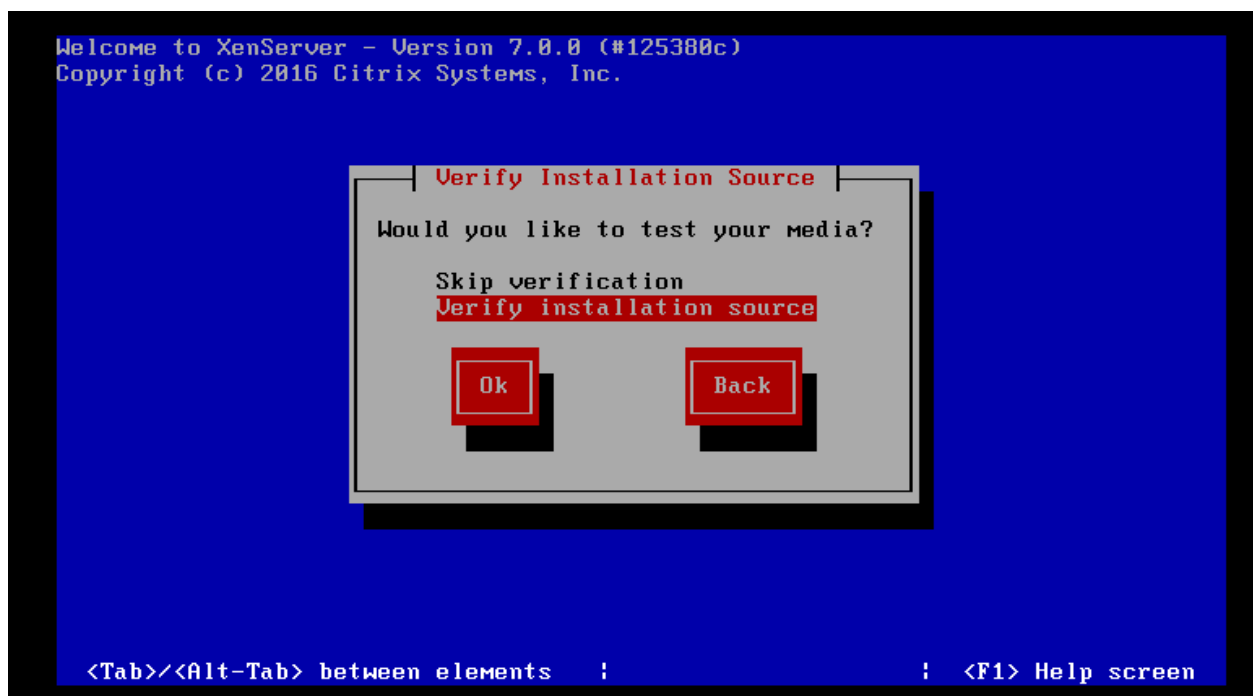
Back

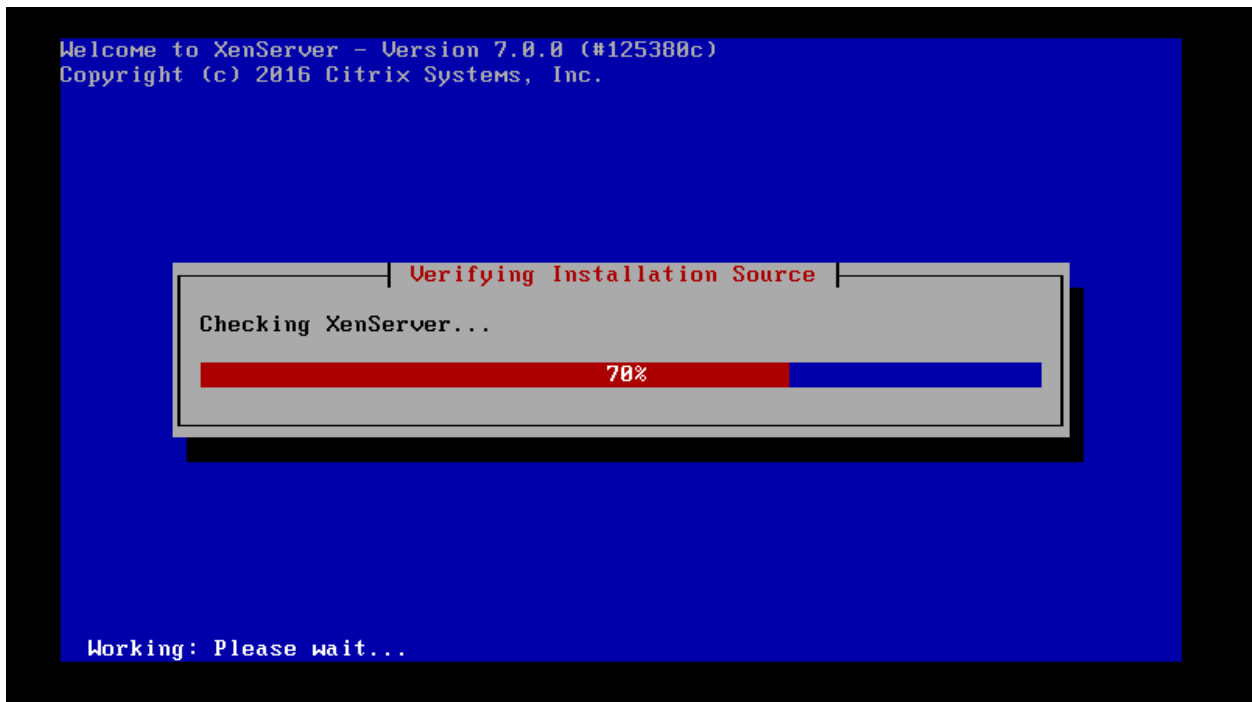
<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Click on NO.

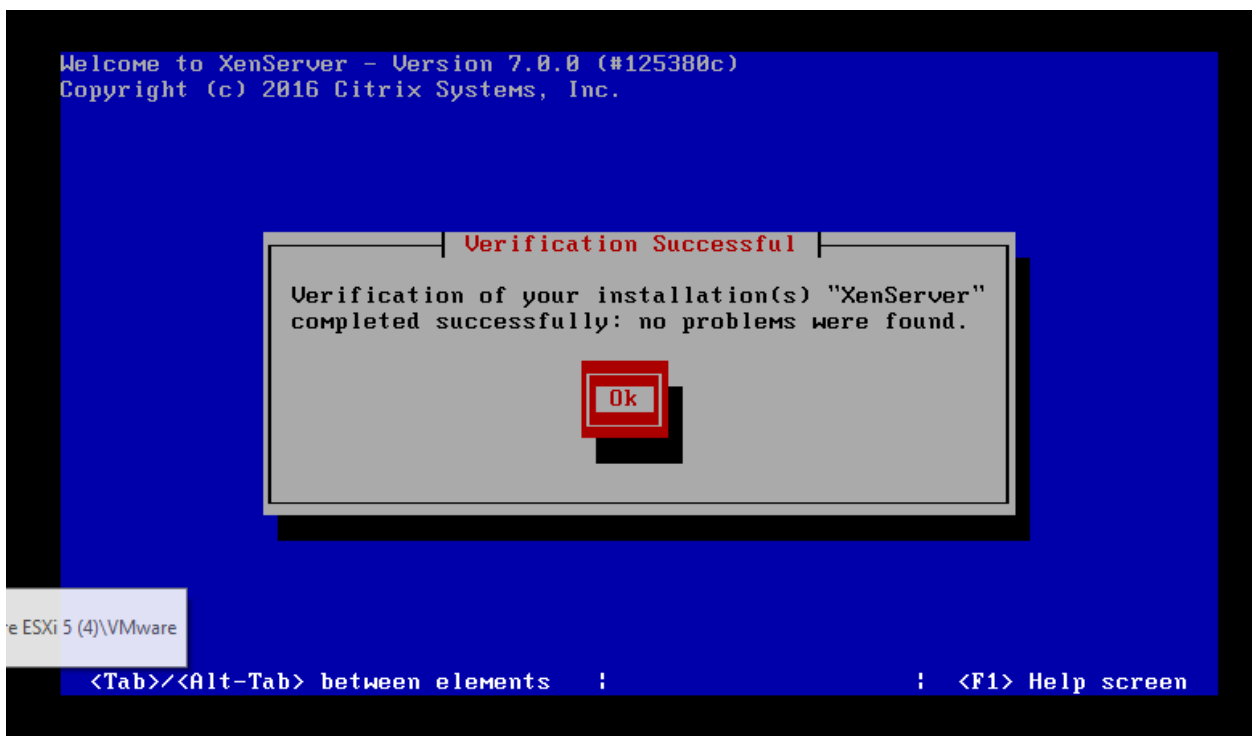


Click on OK.





Click On OK.



Now set the Password and click on OK.

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

Set Password

Please specify a password of at least 6 characters for the root account.

(This is the password used when connecting to the XenServer Host from XenCenter.)

Password *****
Confirm *****

Ok

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Click on OK.

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

Networking

Please specify how networking should be configured for the management interface on this host.

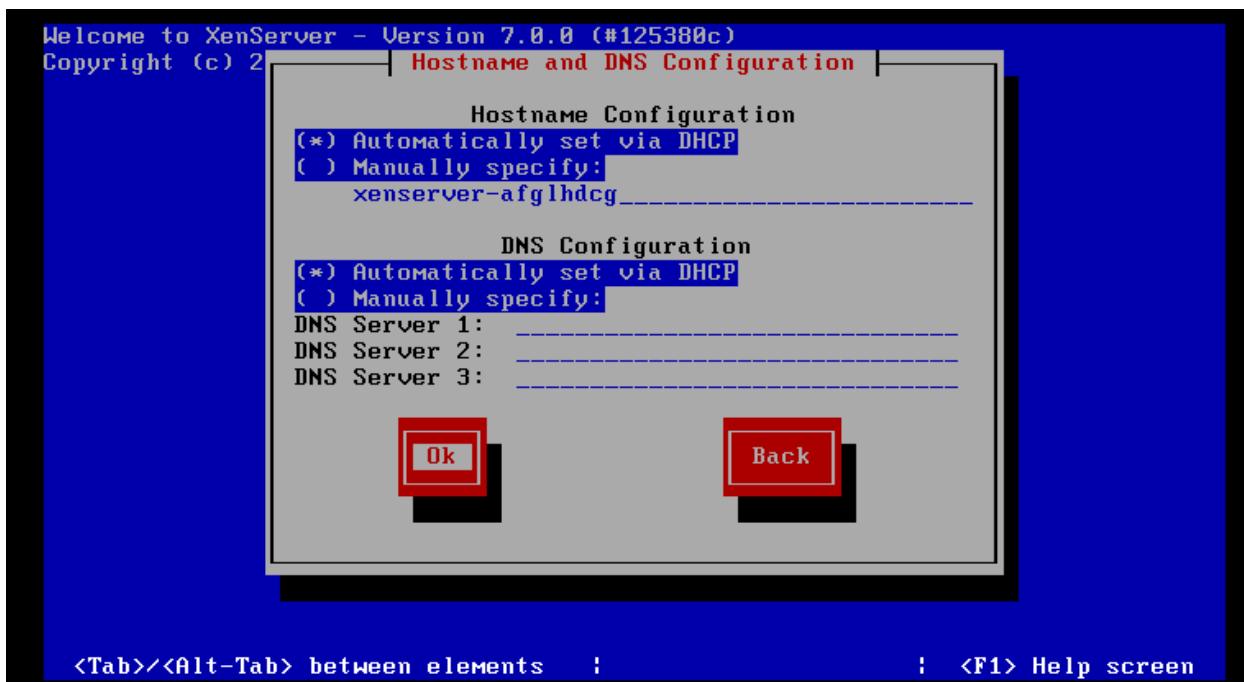
(*) Automatic configuration (DHCP)
() Static configuration:

IP Address: _____
Subnet mask: _____
Gateway: _____

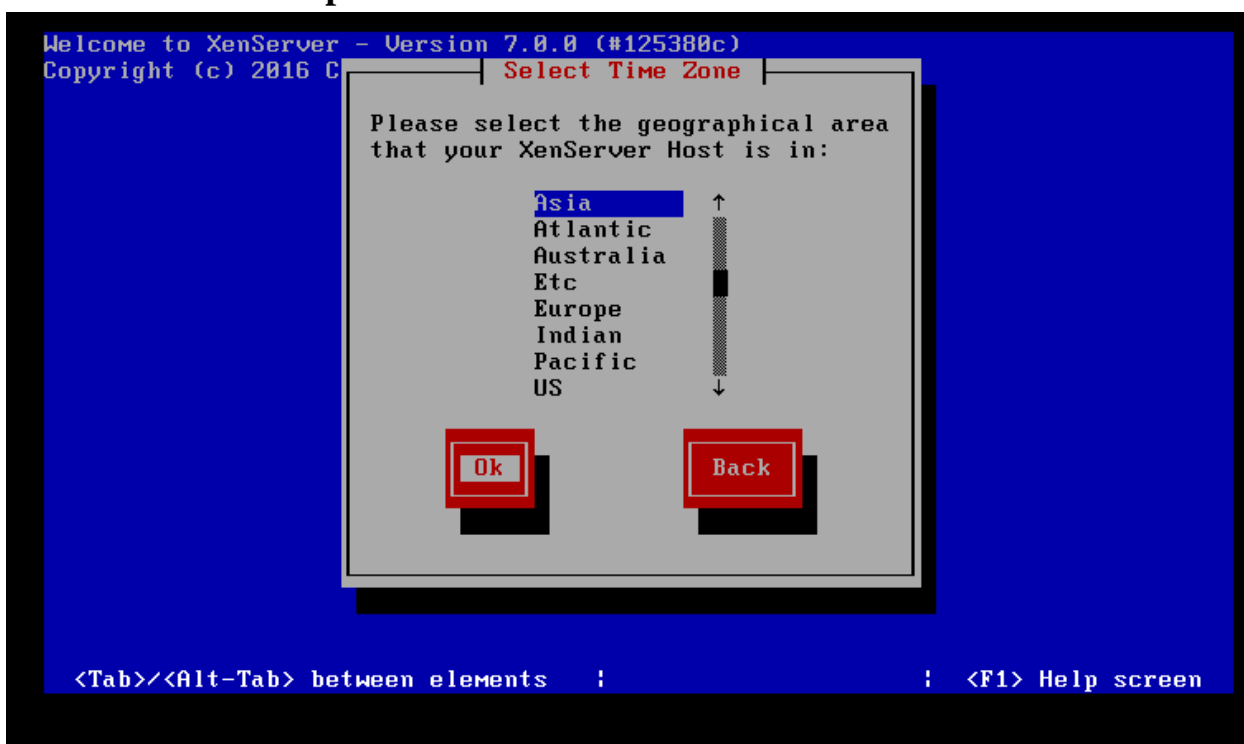
Ok

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen



Select the Kolkata option.



Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016

Select Time Zone

Please select the city or area that the managed host is in (press a letter to jump to that place in the list):

Kolkata
Krasnoyarsk
Kuala Lumpur
Kuching
Kuwait
Macau
Magadan
Makassar



Ok

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Click on Ok.

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

System Time

How should the local time be determined?

(Note that if you choose to enter it manually, you will need to respond to a prompt at the end of the installation.)

Using NTP
Manual time entry

Ok

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

NTP Configuration

Please specify details of the NTP servers you wish to use (e.g. pool.ntp.org)?

☒ NTP is configured by my DHCP server

NTP Server 1: _____

NTP Server 2: _____

NTP Server 3: _____

Ok

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Click on Install XenServer.

Welcome to XenServer - Version 7.0.0 (#125380c)
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Confirm Installation

We have collected all the information required to install XenServer.

Please confirm you wish to proceed: all data on disk sda will be destroyed!

Install XenServer

Back

<Tab>/<Alt-Tab> between elements : : <F1> Help screen

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

Installing XenServer

Preparing for installation...

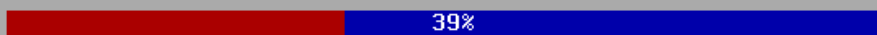


Working: Please wait...

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

Installing XenServer

Completing installation...



Working: Please wait...

Click on Ok.

Welcome to XenServer - Version 7.0.0 (#125380c)
Copyright (c) 2016 Citrix Systems, Inc.

Installation Complete

The XenServer installation has completed.

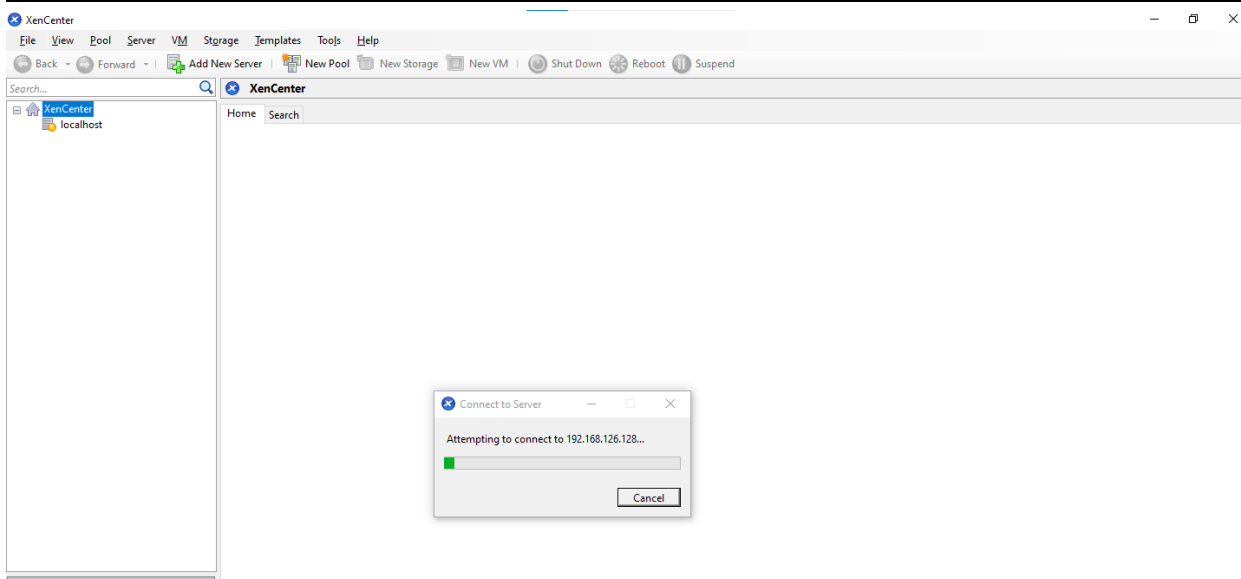
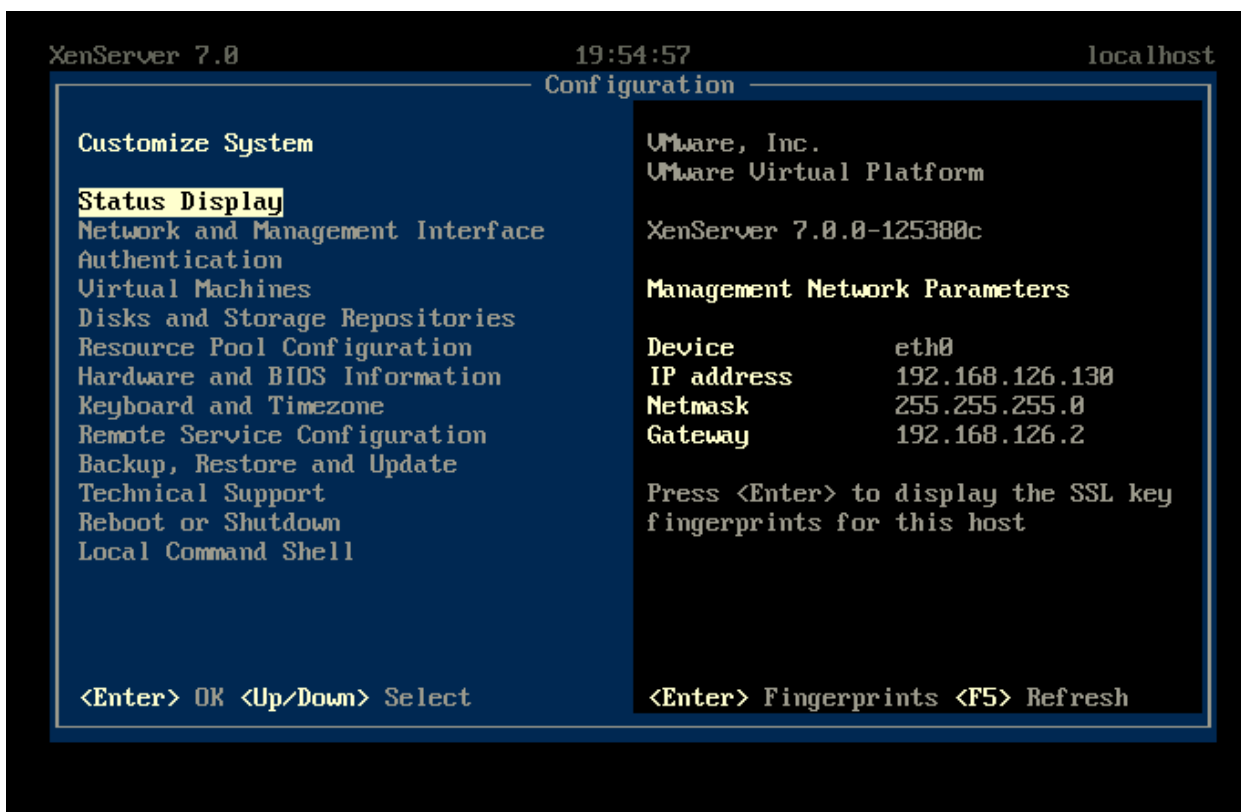
Please remove any local media from the drive,
and press Enter to reboot.

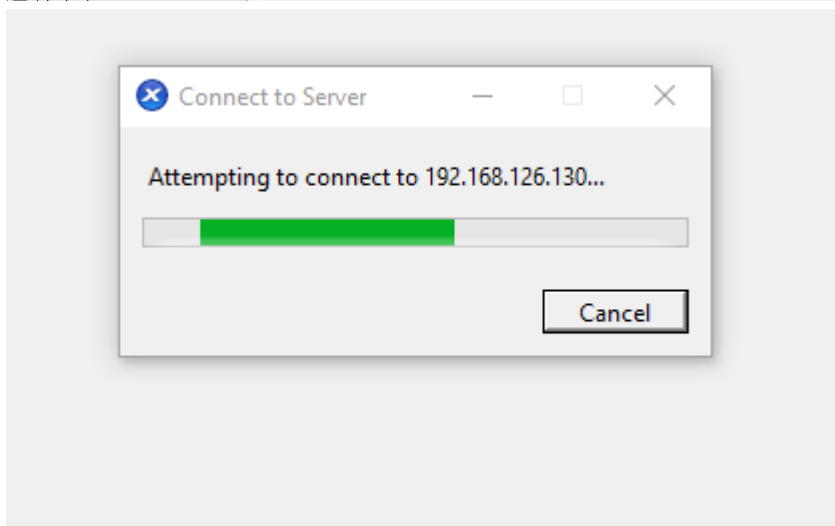
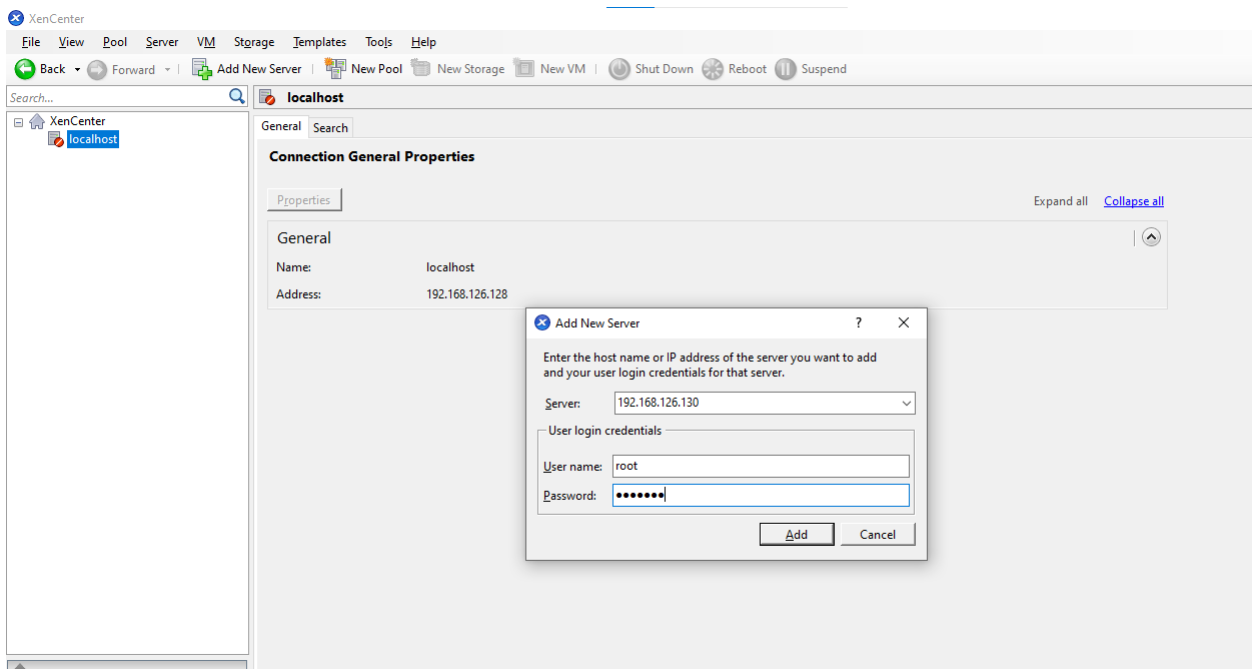
Ok

<Tab>/<Alt-Tab> between elements ; : <F1> Help screen

CITRIX | XenServer™







Practical 6

The image displays four sequential screenshots of the VMware Workstation 12.0 New Virtual Machine Wizard, illustrating the initial configuration steps for a new virtual machine.

Screenshot 1: Welcome to the New Virtual Machine Wizard

What type of configuration do you want?

- ☐ Typical (recommended)
Create a Workstation 12.0 virtual machine in a few easy steps.
- ☒ Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.

Buttons: Help, < Back, Next >, Cancel

Screenshot 2: Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

- ☐ Installer disc:
No drives available
- ☐ Installer disc image file (iso):
D:\CC\Softwares\XenServer-7.0.0-install-cd.iso Browse...
- ☒ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Buttons: Help, < Back, Next >, Cancel

Screenshot 3: Select a Guest Operating System

Which operating system will be installed on this virtual machine?

Guest operating system

- ☐ Microsoft Windows
- ☐ Linux
- ☐ Novell NetWare
- ☐ Solaris
- ☒ VMware ESX
- ☐ Other

Version

VMware ESXi 5

Buttons: Help, < Back, Next >, Cancel

Screenshot 4: Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:
VMware ESXi 5 (3)

Location:
C:\Users\admin\Documents\Virtual Machines\VMware ESXi 5 (3) Browse...

The default location can be changed at Edit > Preferences.

Buttons: < Back, Next >, Cancel

New Virtual Machine Wizard

Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors: 2

Number of cores per processor: 2

Total processor cores: 4

Help < Back Next > Cancel

New Virtual Machine Wizard

Memory for the Virtual Machine
How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

Memory for this virtual machine: 4096 MB

64 GB -
32 GB -
16 GB -
8 GB -
4 GB -
2 GB -
1 GB -
512 MB -
256 MB -
128 MB -
64 MB -
32 MB -
16 MB -
8 MB -
4 MB -

Maximum recommended memory: 6328 MB

Recommended memory: 4096 MB

Guest OS recommended minimum: 4096 MB

Help < Back Next > Cancel

New Virtual Machine Wizard

Network Type
What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

New Virtual Machine Wizard

Select I/O Controller Types
Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

☐ LSI Logic SAS

Help < Back Next > Cancel

New Virtual Machine Wizard

Select a Disk Type
What kind of disk do you want to create?

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

Help < Back Next > Cancel

New Virtual Machine Wizard

Select a Disk
Which disk do you want to use?

Disk

☒ Create a new virtual disk
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☐ Use an existing virtual disk
Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk.

Help < Back Next > Cancel

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB): 50.0

Recommended size for VMware ESXi 5: 40 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

Help < Back Next > Cancel

New Virtual Machine Wizard

Specify Disk File
Where would you like to store the disk file?

Disk File

One disk file will be created for each 2 GB of virtual disk capacity. File names for each file beyond the first will be automatically generated using the file name provided here as a basis.

VMware ESXi 5 (3).vmdk Browse...

Help < Back Next > Cancel

New Virtual Machine Wizard

Ready to Create Virtual Machine

Click Finish to create the virtual machine. Then you can install VMware ESXi 5.

The virtual machine will be created with the following settings:

Name:	VMware ESXi 5 (3)
Location:	C:\Users\admin\Documents\Virtual Machines\VMware...
Version:	Workstation 12.0
Operating System:	VMware ESXi 5
Hard Disk:	50 GB, Split
Memory:	4096 MB
Network Adapter:	NAT
Other Devices:	4 CPU cores, CD/DVD, USB Controller

[Customize Hardware...](#)

< Back

Finish

Cancel

Virtual Machine Settings

Hardware Options

Device	Summary
Memory	4 GB
Processors	4
Hard Disk (SCSI)	50 GB
CD/DVD (IDE)	Auto detect
Network Adapter	NAT
USB Controller	Present
Display	Auto detect

Device status

- ☐ Connected
☒ Connect at power on

Connection

☐ Use physical drive:

Auto detect

☒ Use ISO image file:

D:\CC\Softwares\XenServer-7.0.0

[Browse...](#)

[Advanced...](#)

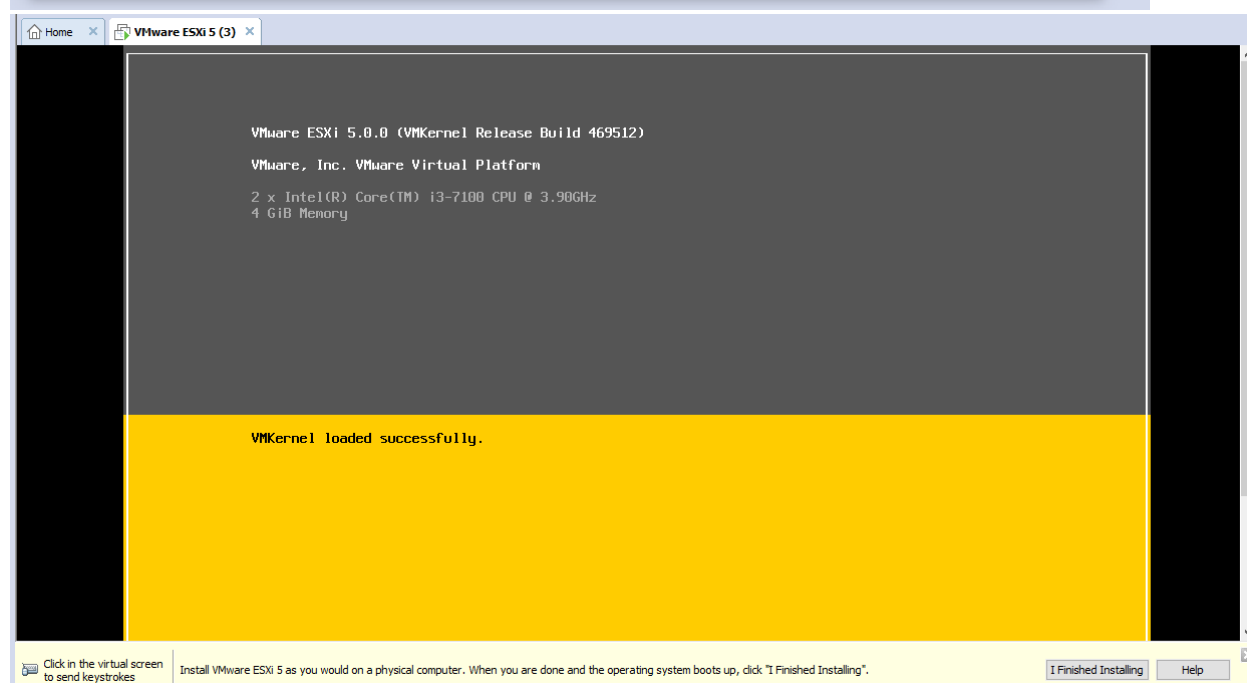
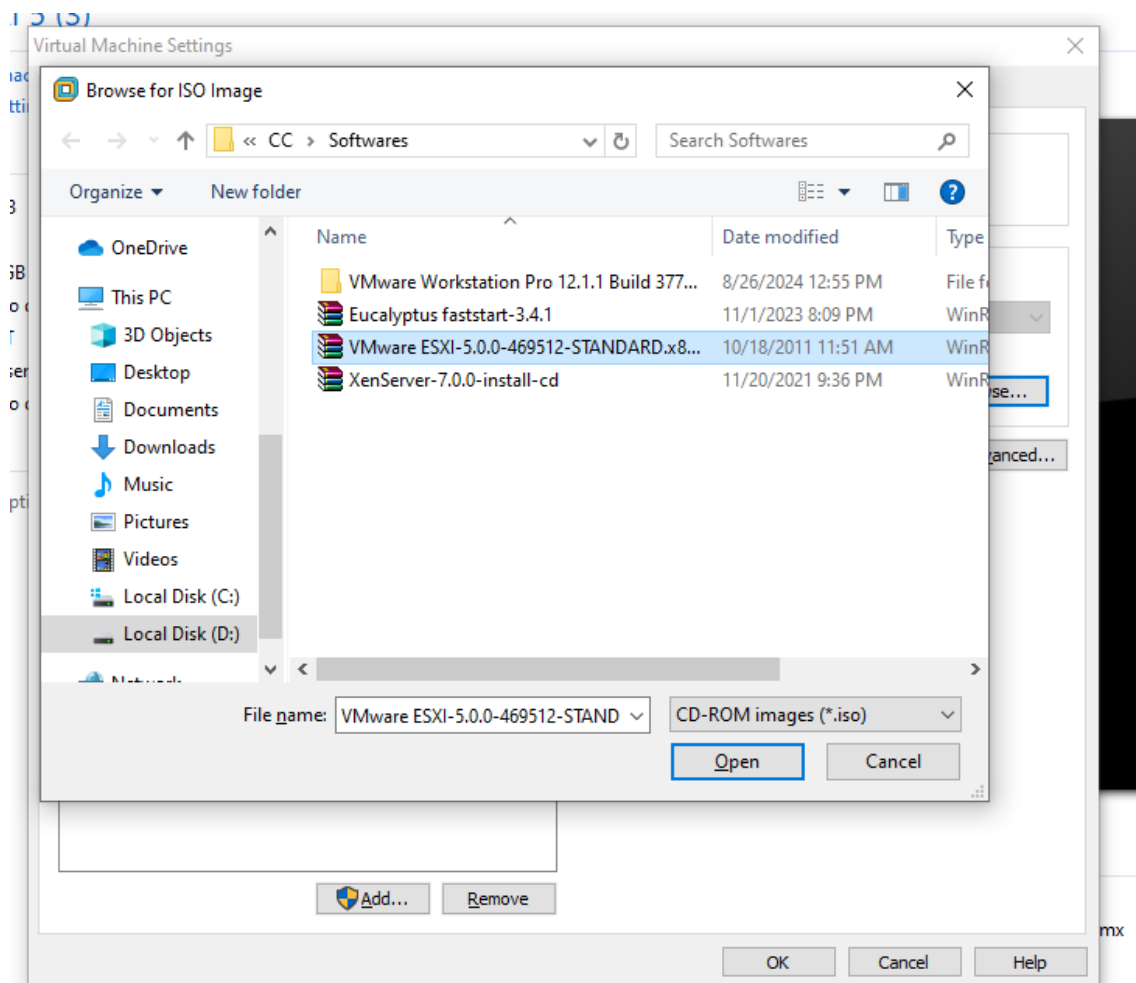
[Add...](#)

[Remove](#)

OK

Cancel

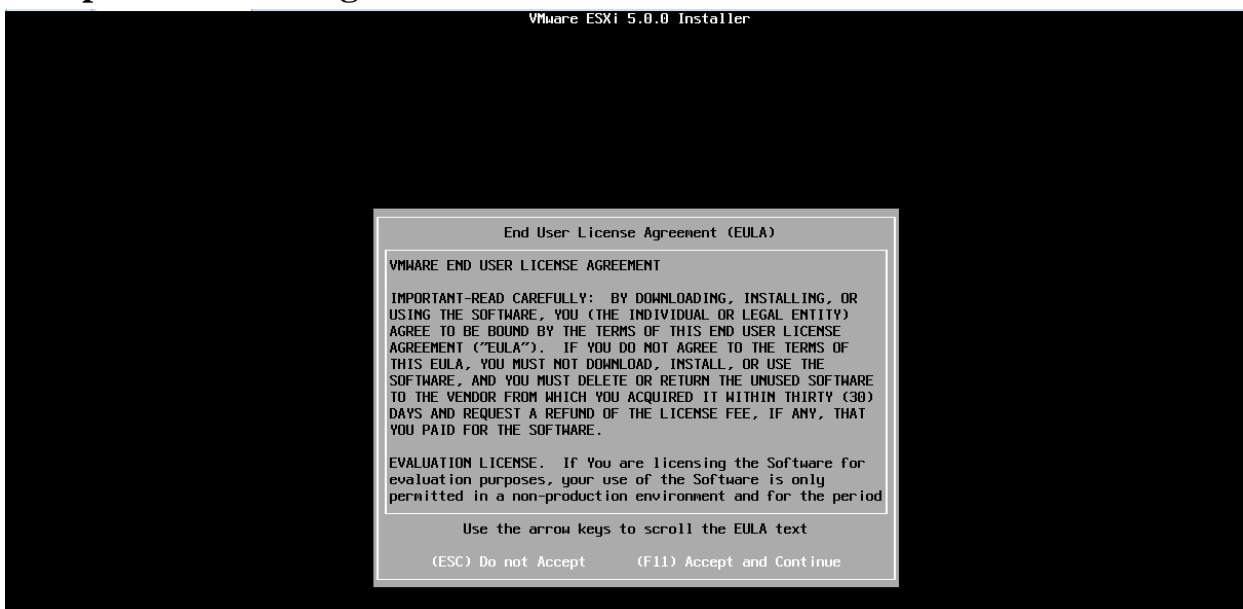
Help



Press the continue.



Accept the License Agreement.



Select the all default one option which one is recommended by the system.

Select a Disk to Install or Upgrade

* Contains a VMFS partition

Storage Device	Capacity
Local:	
VMware, VMware Virtual S (mpx.unhba1:C0:T0:L0)	50.00 GiB
Remote:	
(none)	

(Esc) Cancel (F1) Details (F5) Refresh (Enter) Continue

Please select a keyboard layout

Swiss French
Swiss German
Turkish
US Default
US Dvorak
Ukrainian
United Kingdom

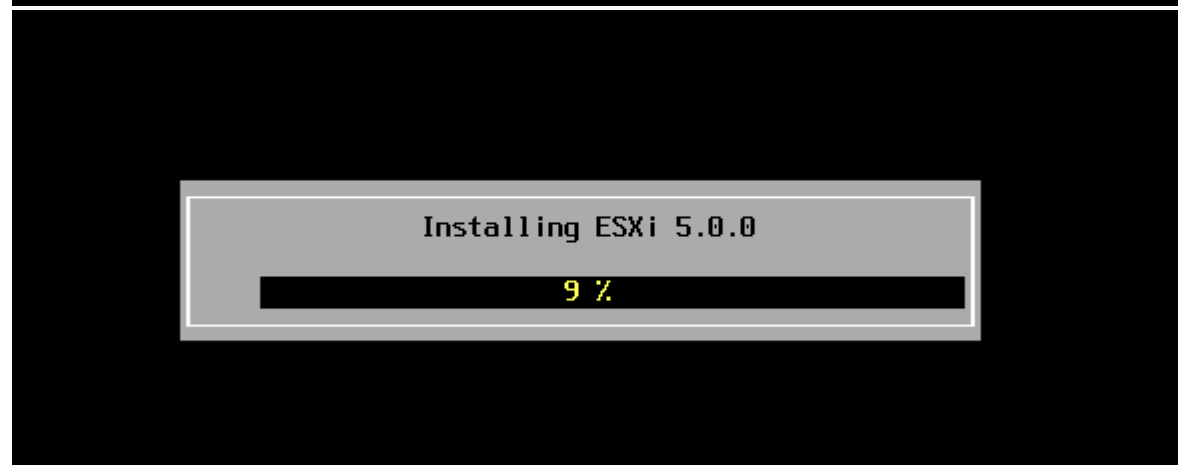
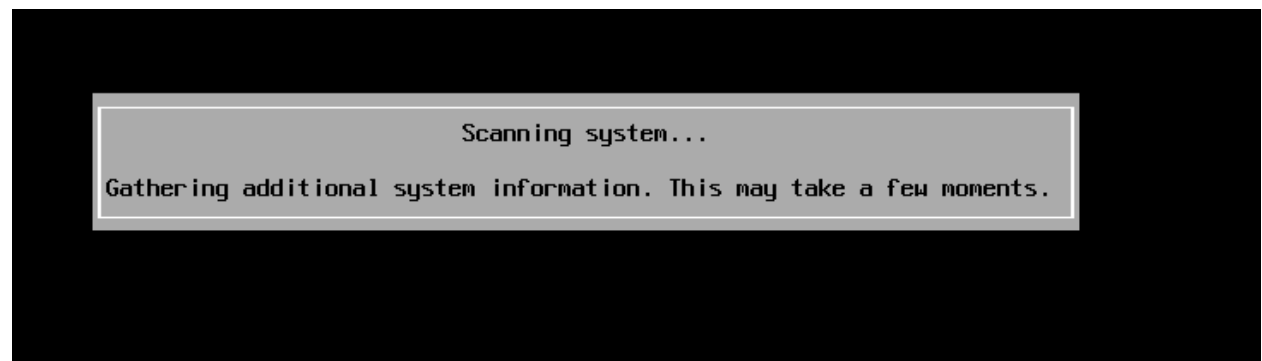
Use the arrow keys to scroll.

(Esc) Cancel (F9) Back (Enter) Continue

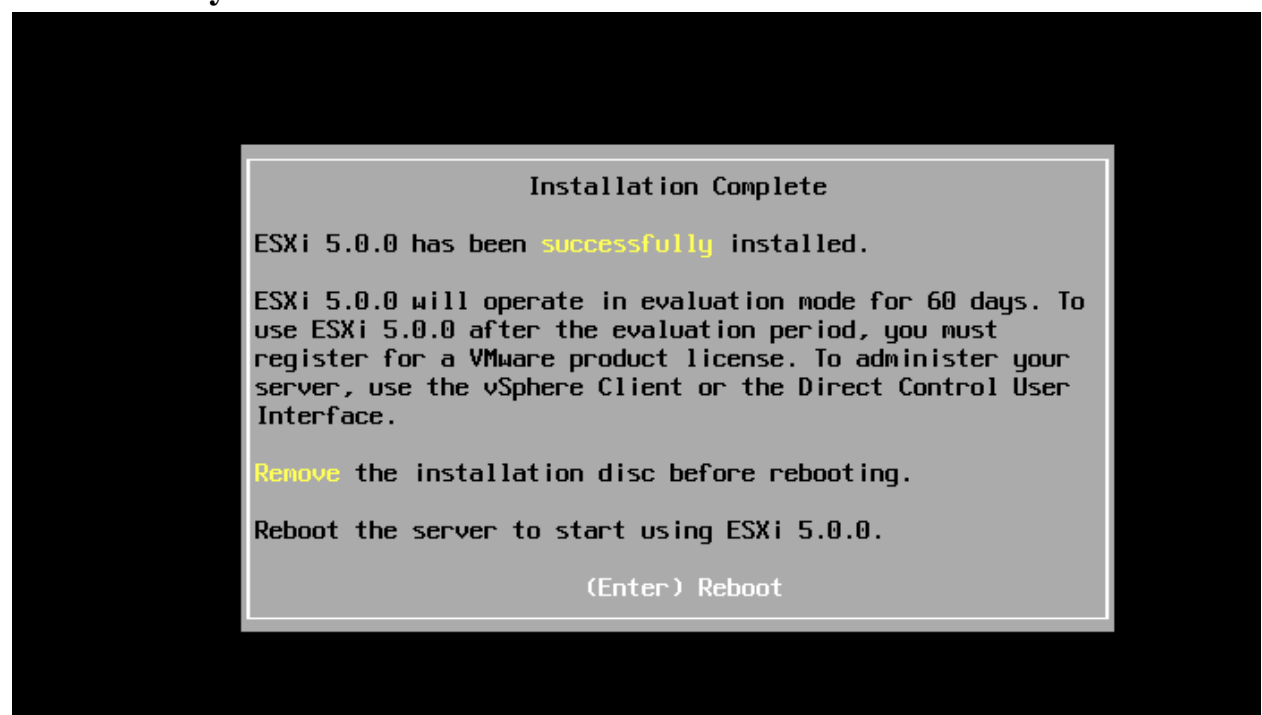
Please enter a root password (recommended)

Root password: *****
Confirm password: *****_
Passwords match.

(Esc) Cancel (F9) Back (Enter) Continue



Reboot the system



VMware ESXi 5.0.0 (VMKernel Release Build 469512)

VMware, Inc. VMware Virtual Platform

2 x Intel(R) Core(TM) i3-7100 CPU @ 3.90GHz
4 GiB Memory

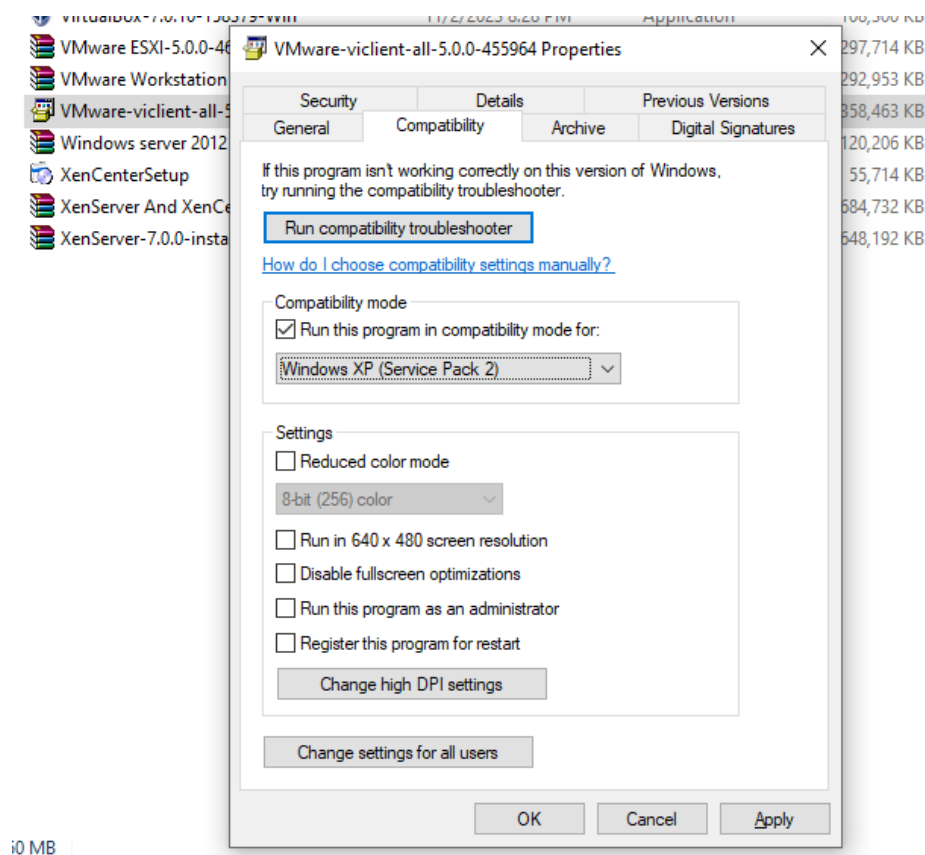
VMKernel loaded successfully.

VMware ESXi 5.0.0 (VMKernel Release Build 469512)

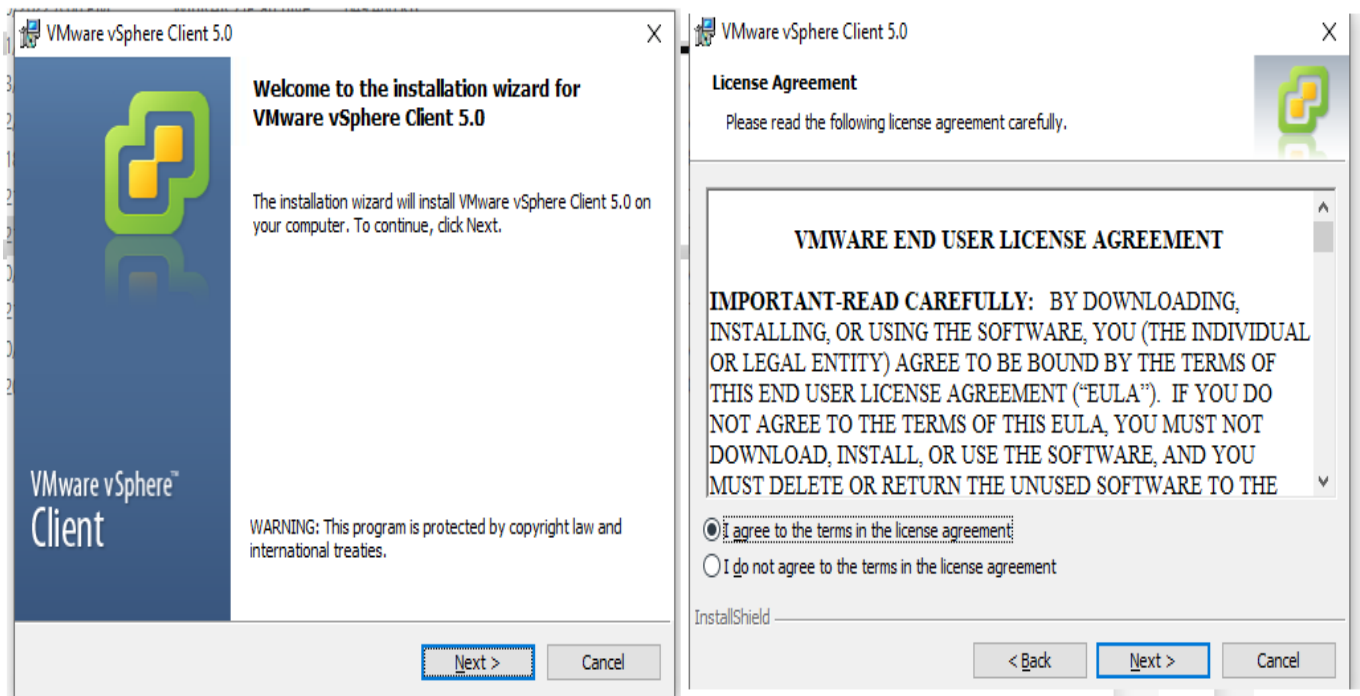
VMware, Inc. VMware Virtual Platform

2 x Intel(R) Core(TM) i3-7100 CPU @ 3.90GHz
4 GiB Memory

Download tools to manage this host from:
<http://192.168.126.134/> (DHCP)



Install the vSphere Client. Click on the Next.



Enter the User Name. And click on the Next.

VMware vSphere Client 5.0

Customer Information

Please enter your information.

User Name:

Organization:

InstallShield

< Back Next > Cancel

VMware vSphere Client 5.0

Destination Folder

Select the folder in which to install the product.

Install vSphere Client to:

C:\Program Files (x86)\VMware\Infrastructure\ Change...

InstallShield

< Back Next > Cancel

VMware vSphere Client 5.0

Ready to Install the Program

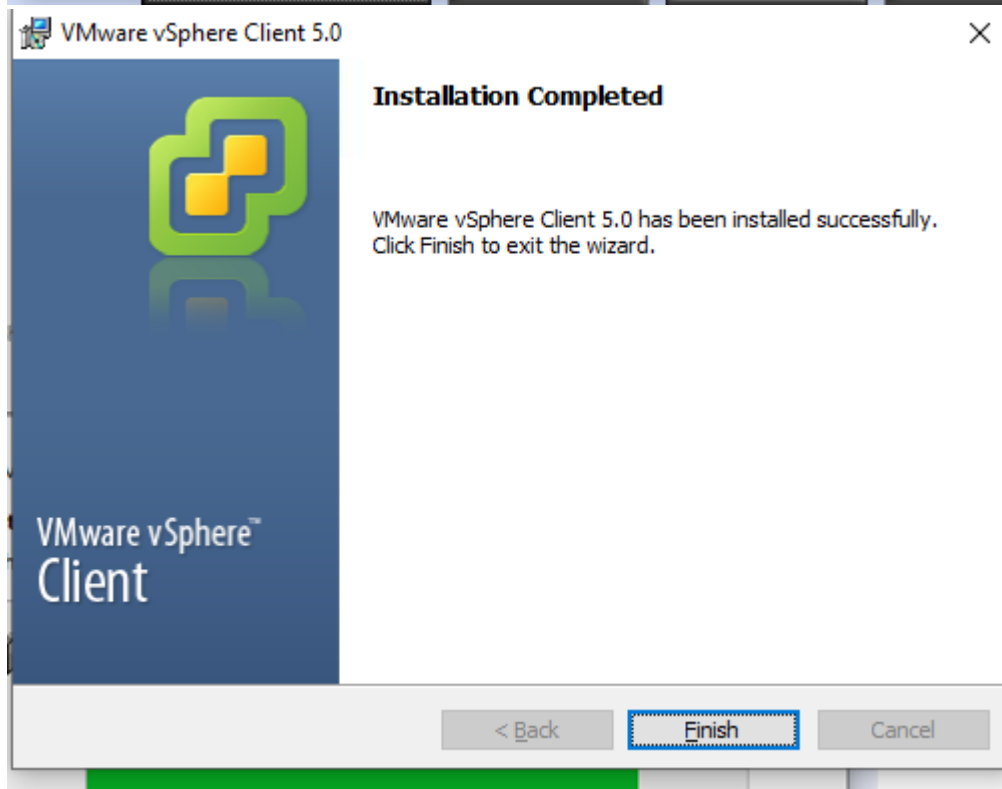
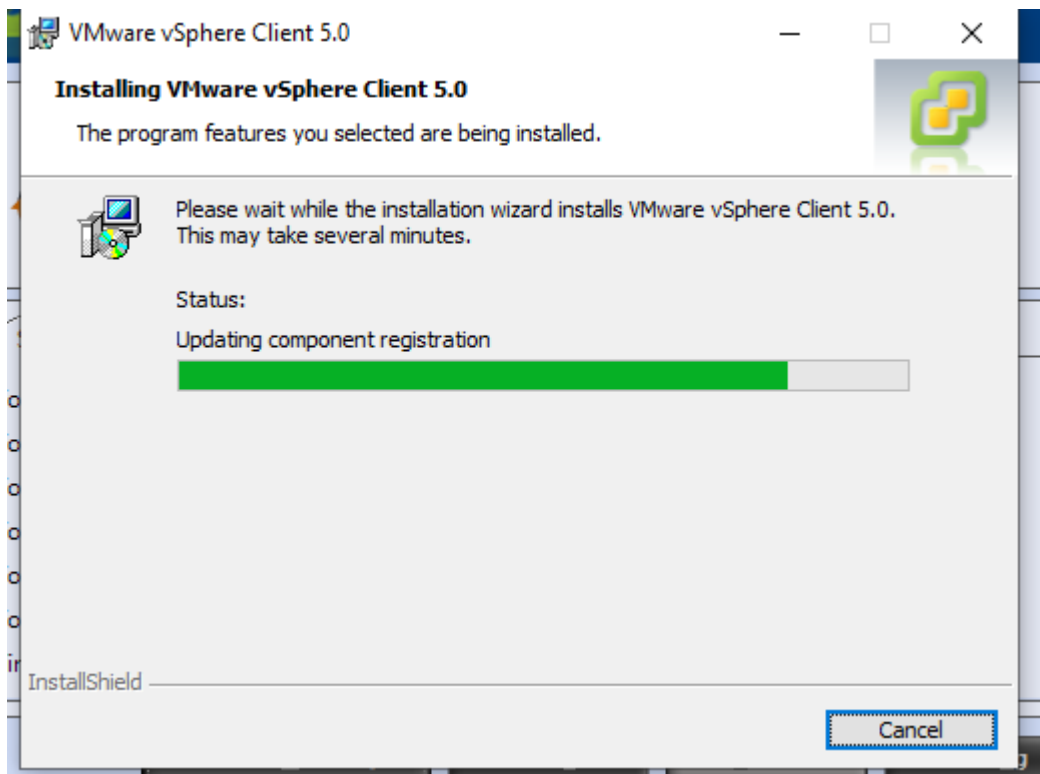
The wizard is ready to begin installation.

Click Install to begin the installation.


If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.



InstallShield

< Back Install Cancel



Enter the IP address, Username and Password.

 VMware vSphere Client

VMware vSphere™ Client

To directly manage a single host, enter the IP address or host name.
To manage multiple hosts, enter the IP address or name of a vCenter Server.


IP address / Name:

User name:



Password:

☐ Use Windows session credentials


Connecting...

 192.168.231.137 - vSphere Client

File Edit View Inventory Administration Plug-ins Help



  Home

Inventory




Inventory

Administration

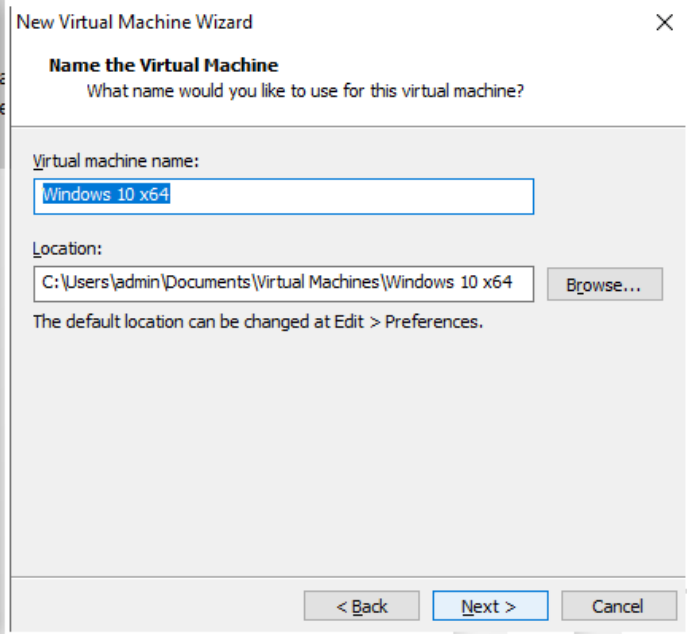
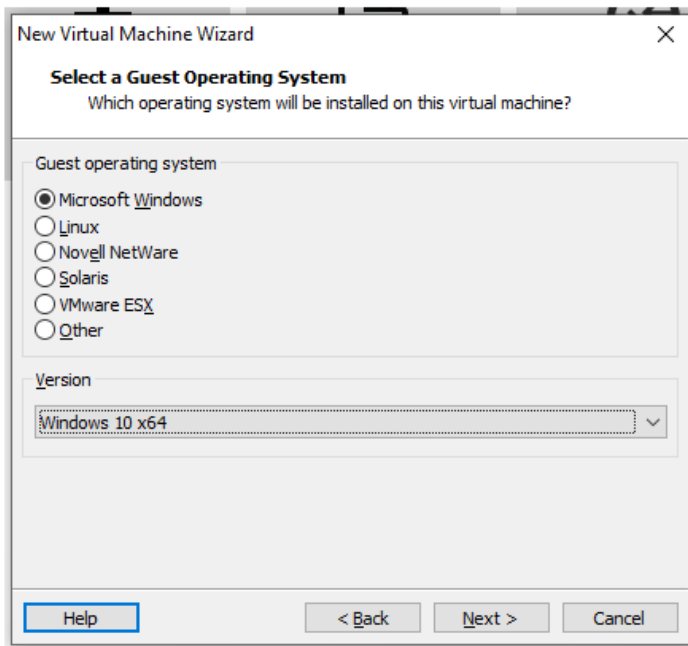
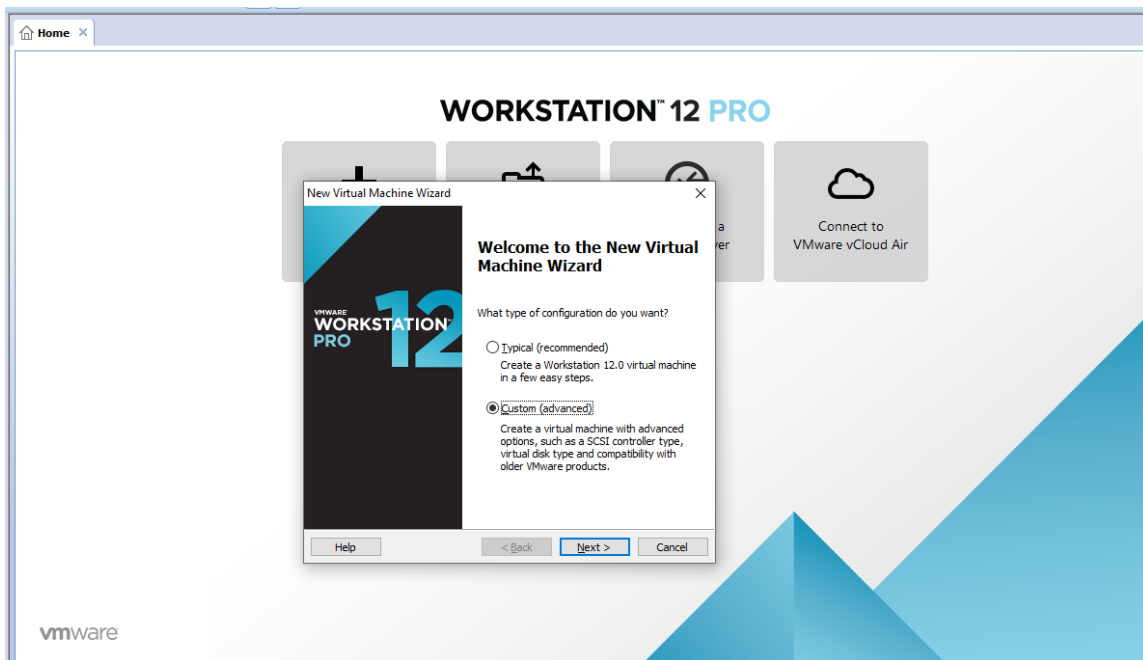
 Roles
  System Logs

Recent Tasks

Name, Target or Status contains:

Name	Target	Status	Details	Initiated by	Requested Start Ti...	Start Time	Completed
<div>  Tasks <div>Evaluation Mode: 60 days remaining</div> </div>							

Practical 7



New Virtual Machine Wizard

Firmware Type
What kind of boot device should this virtual machine have?

Firmware type

☒ BIOS

☐ EFI

< Back Next > Cancel

New Virtual Machine Wizard

Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:
No drives available

☐ Installer disc image file (iso):
D:\CC\Softwares\VMware ESXi-5.0.0-469512-STAND/ Browse...

☒ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
VMware ESXi 5 (6)

Location:
C:\Users\admin\Documents\Virtual Machines\VMware ESXi 5 (6) Browse...

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

New Virtual Machine Wizard

Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors: 2

Number of cores per processor: 2

Total processor cores: 4

Help < Back Next > Cancel

New Virtual Machine Wizard

Processor Configuration
Specify the number of processors for this virtual machine.

Processors

Number of processors: 2

Number of cores per processor: 2

Total processor cores: 4

Help < Back Next > Cancel

New Virtual Machine Wizard

Memory for the Virtual Machine
How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

Memory for this virtual machine: 4096 MB

64 GB -
32 GB -
16 GB -
8 GB -
4 GB -
2 GB -
1 GB -
512 MB -
256 MB -
128 MB -
64 MB -
32 MB -
16 MB -
8 MB -
4 MB -

Maximum recommended memory: 6328 MB

Recommended memory: 4096 MB

Guest OS recommended minimum: 4096 MB

Help < Back Next > Cancel

New Virtual Machine Wizard

Network Type
What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

New Virtual Machine Wizard

Select I/O Controller Types
Which SCSI controller type would you like to use?

I/O controller types

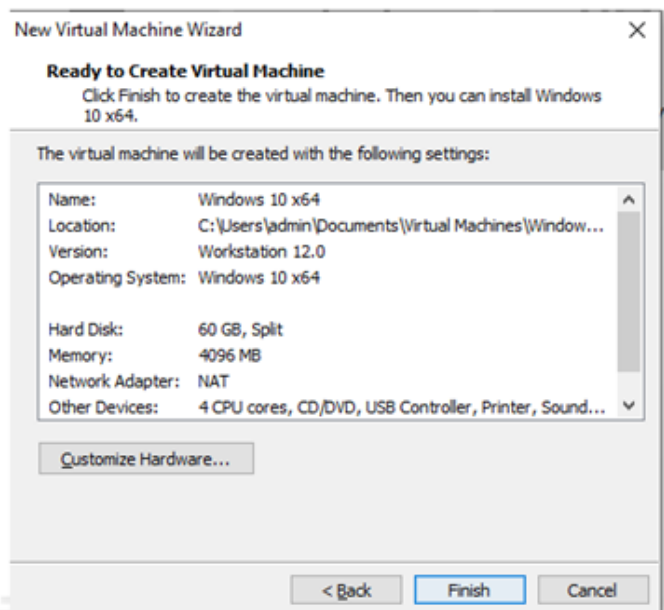
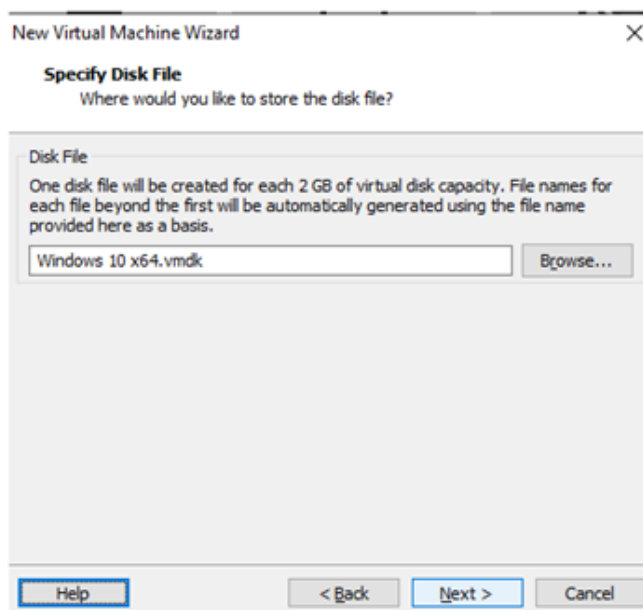
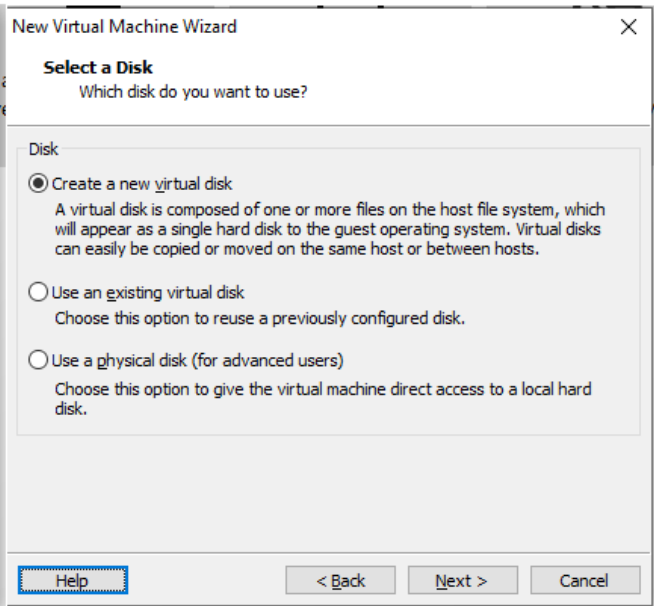
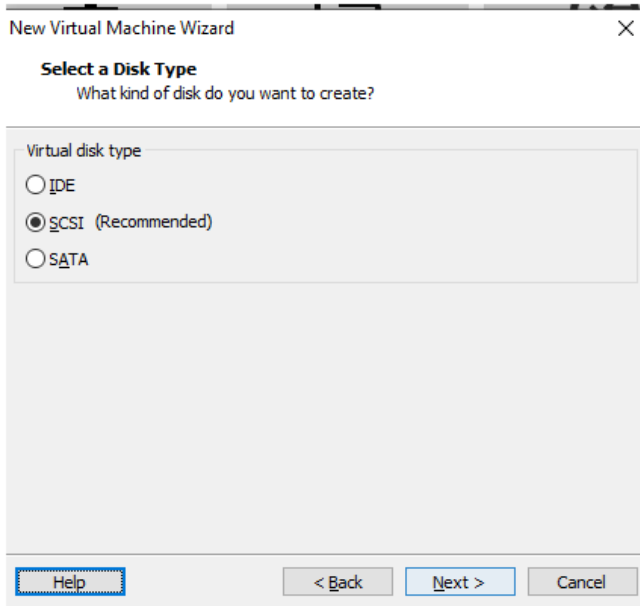
SCSI Controller:

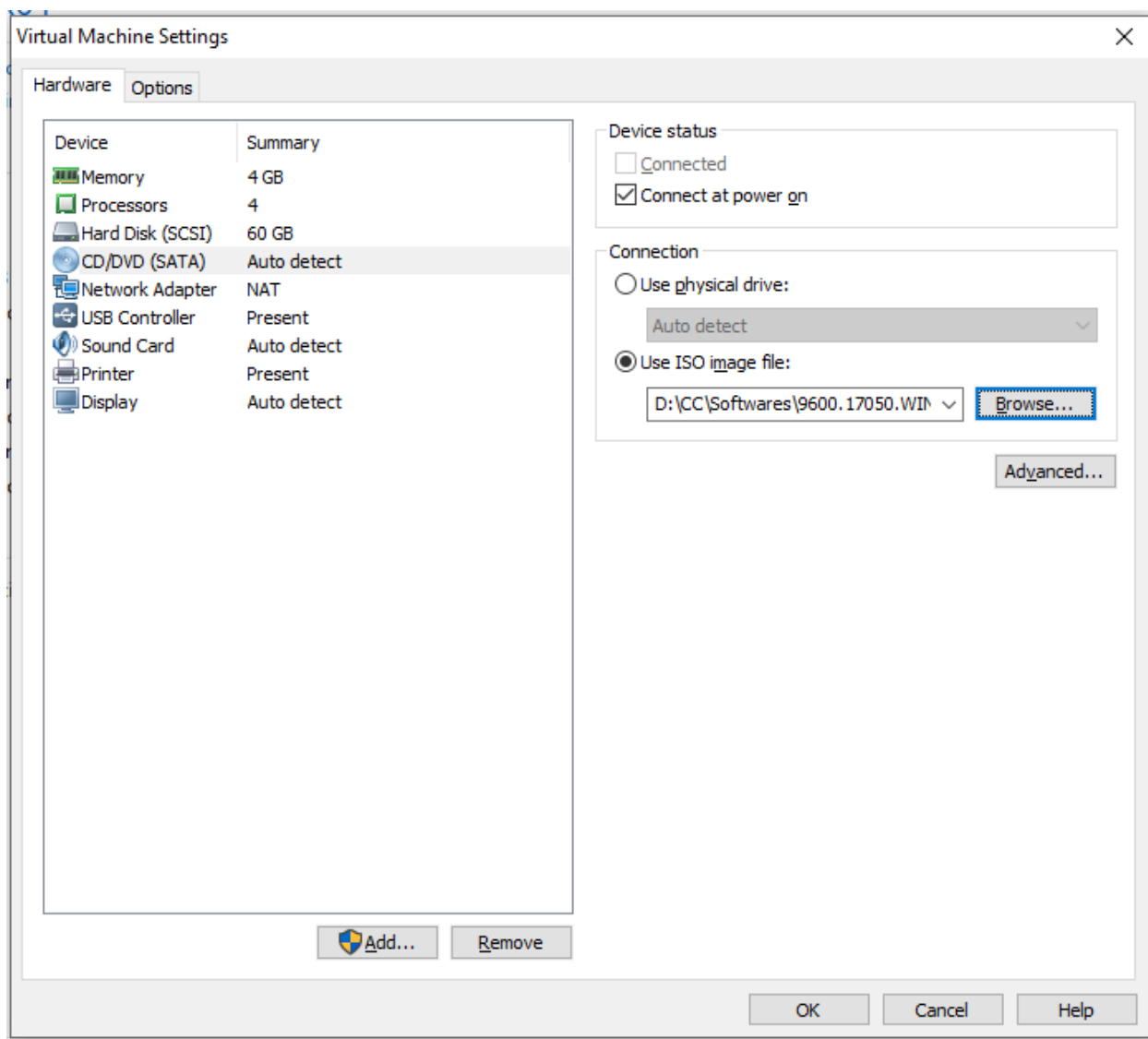
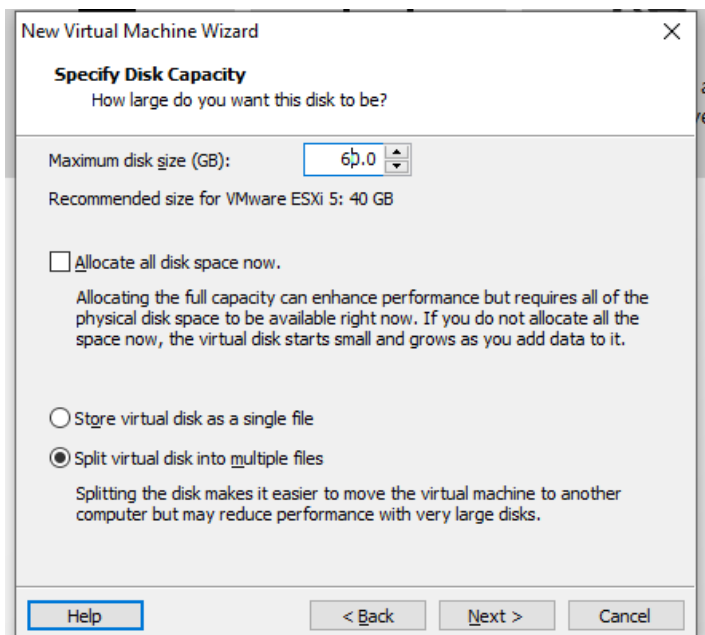
☐ BusLogic (Not available for 64-bit guests)

☐ LSI Logic (Not supported by Windows 10 x64)

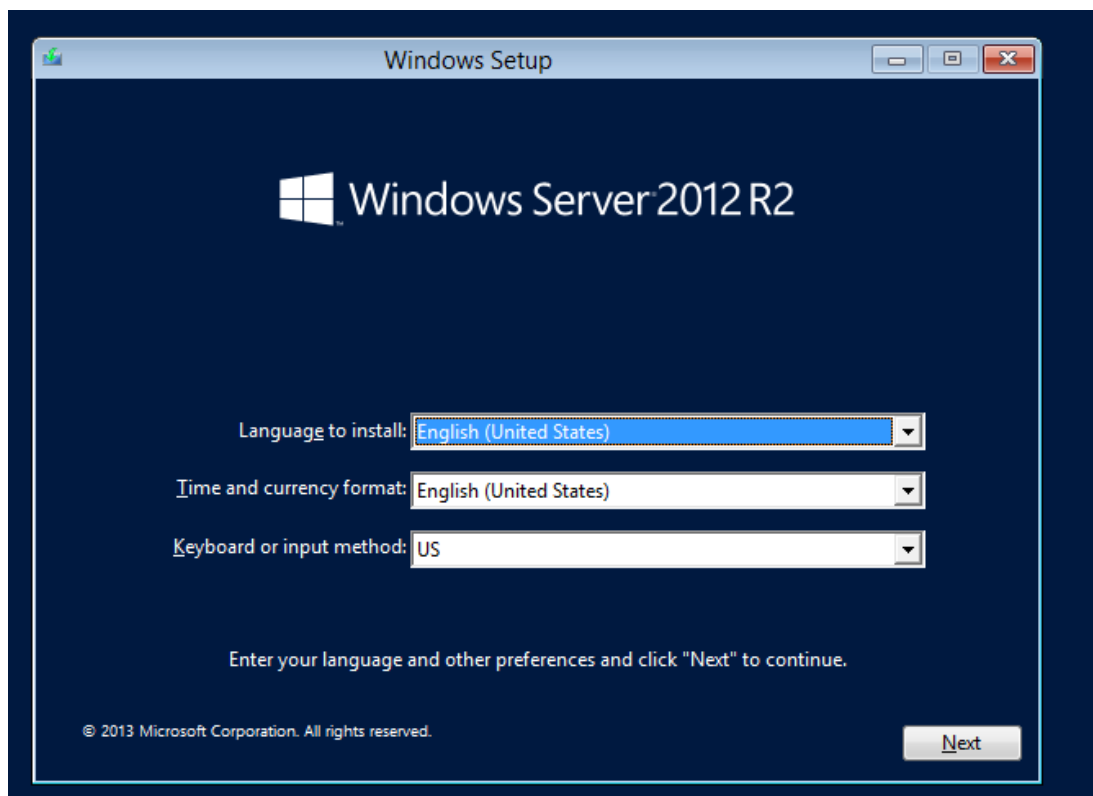
☒ LSI Logic SAS (Recommended)

Help < Back Next > Cancel

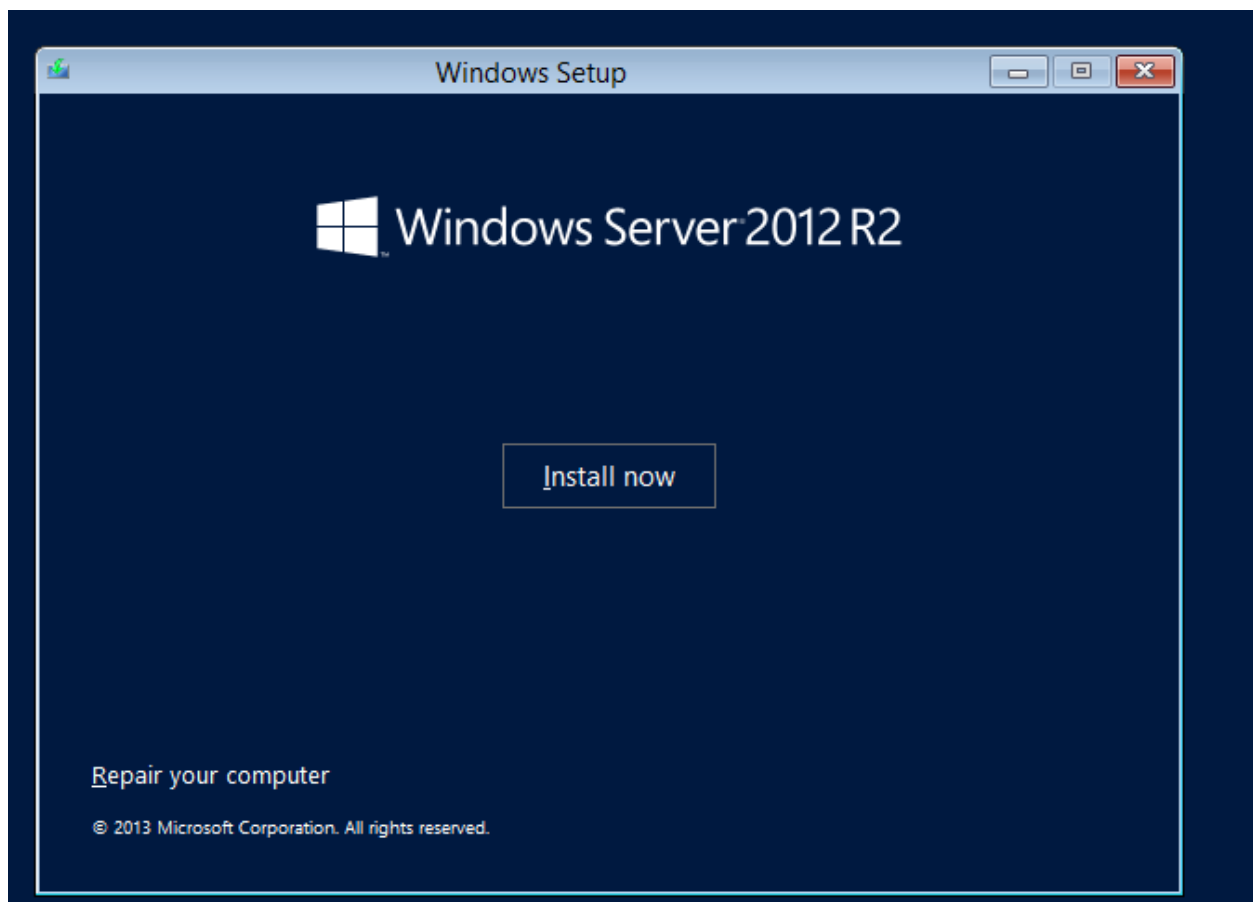




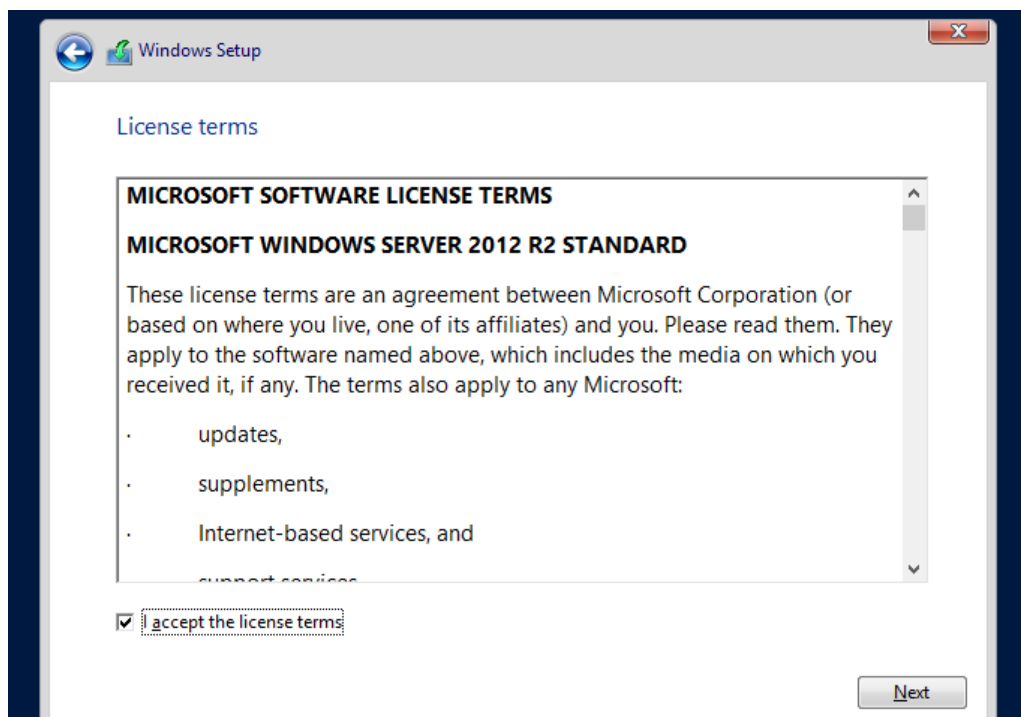
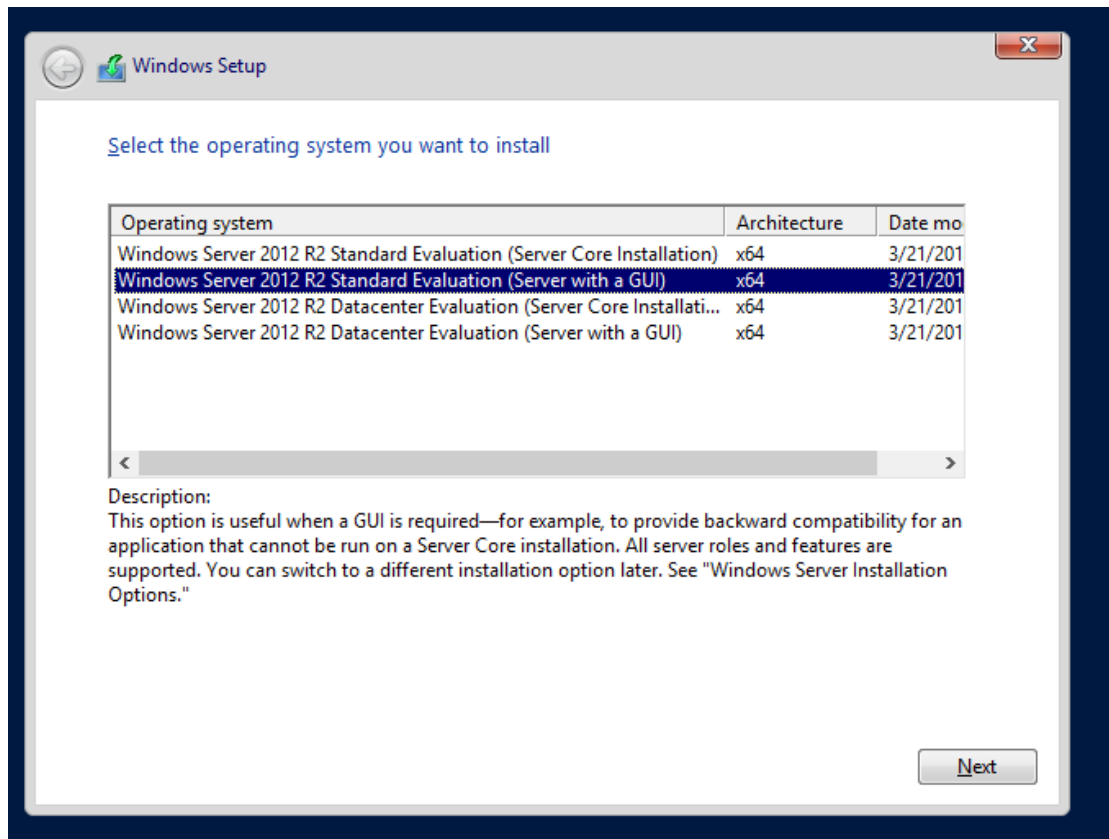
Click on the next



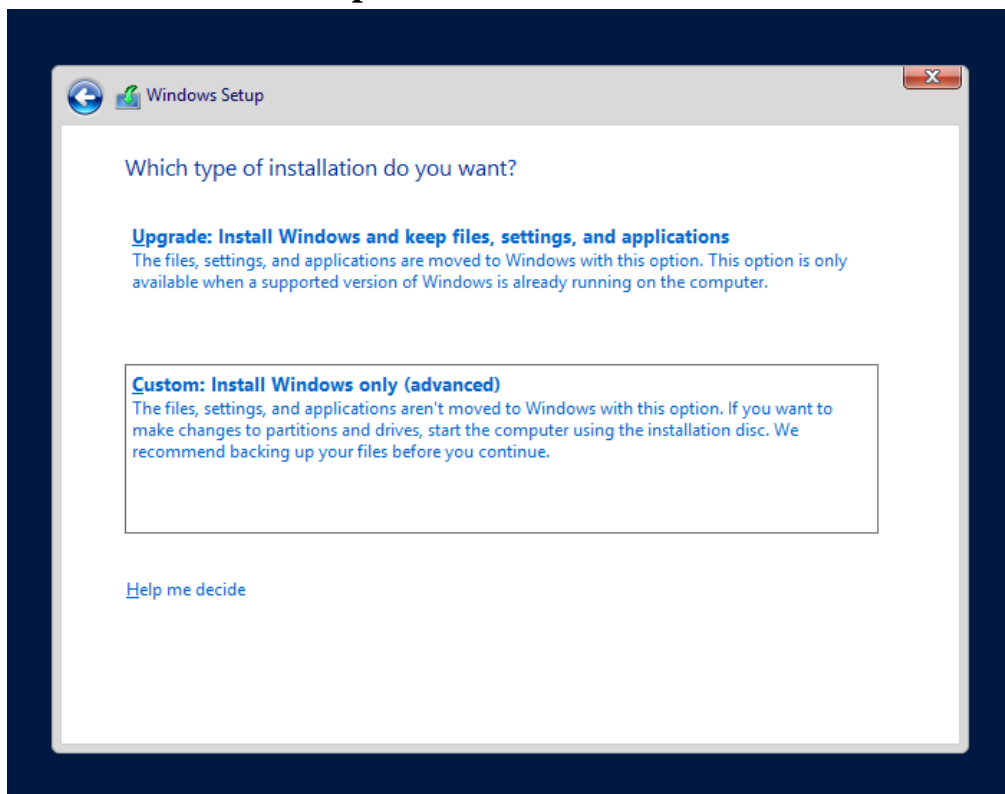
Click on Install Now



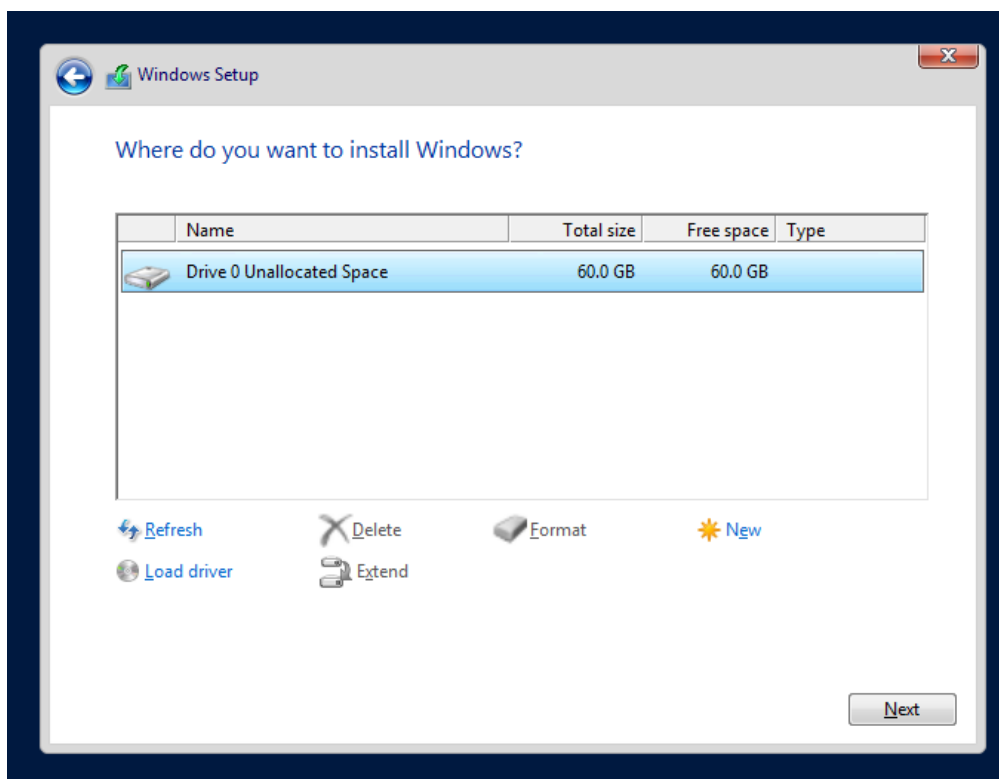
Click on the Second option and click on the next

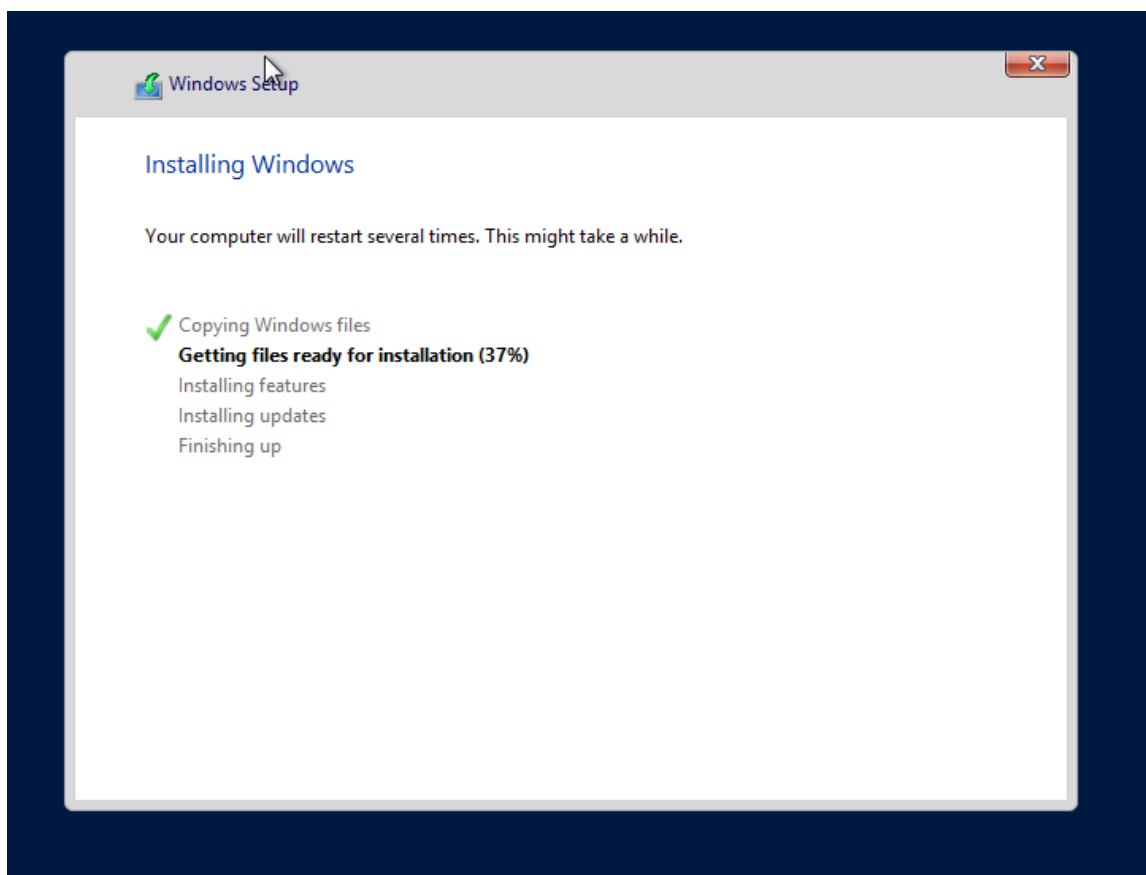
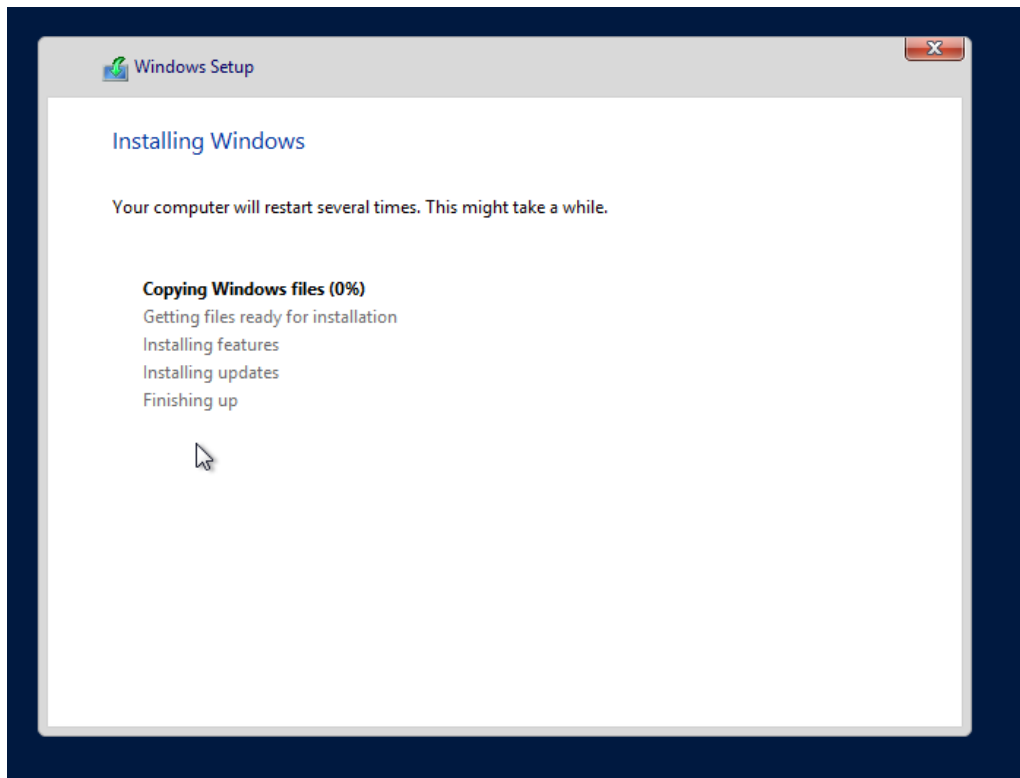


Click on the custom option

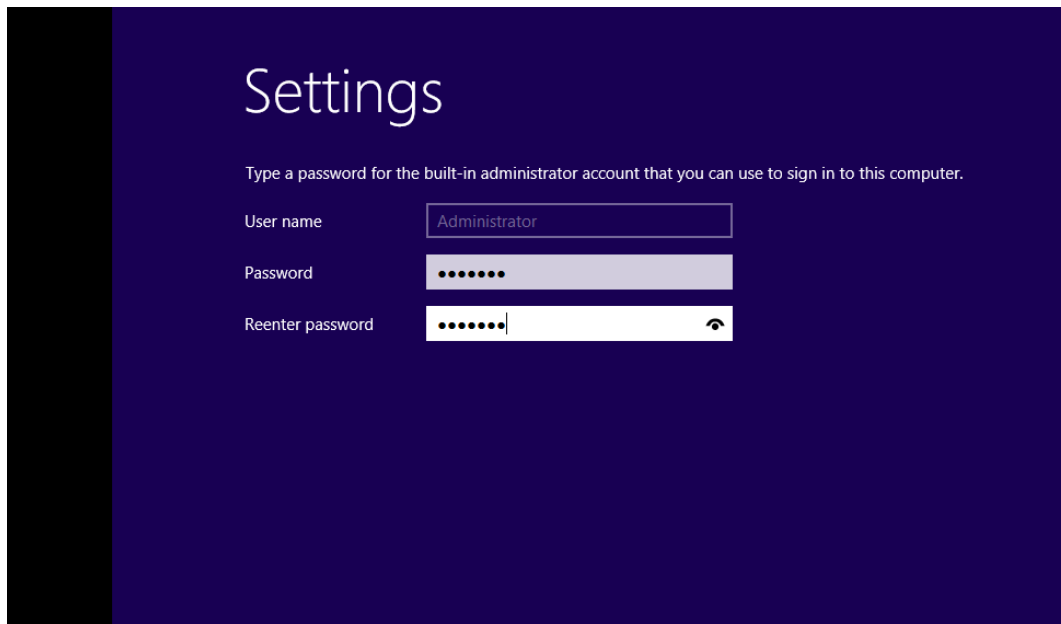


Click on the next

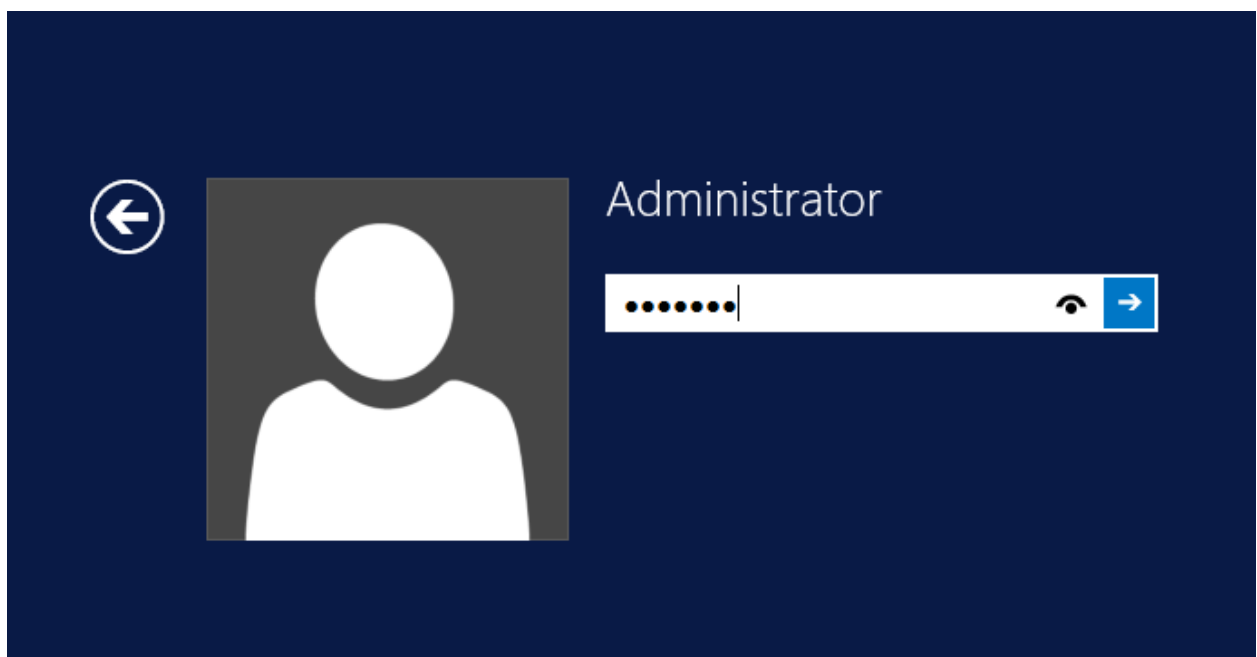




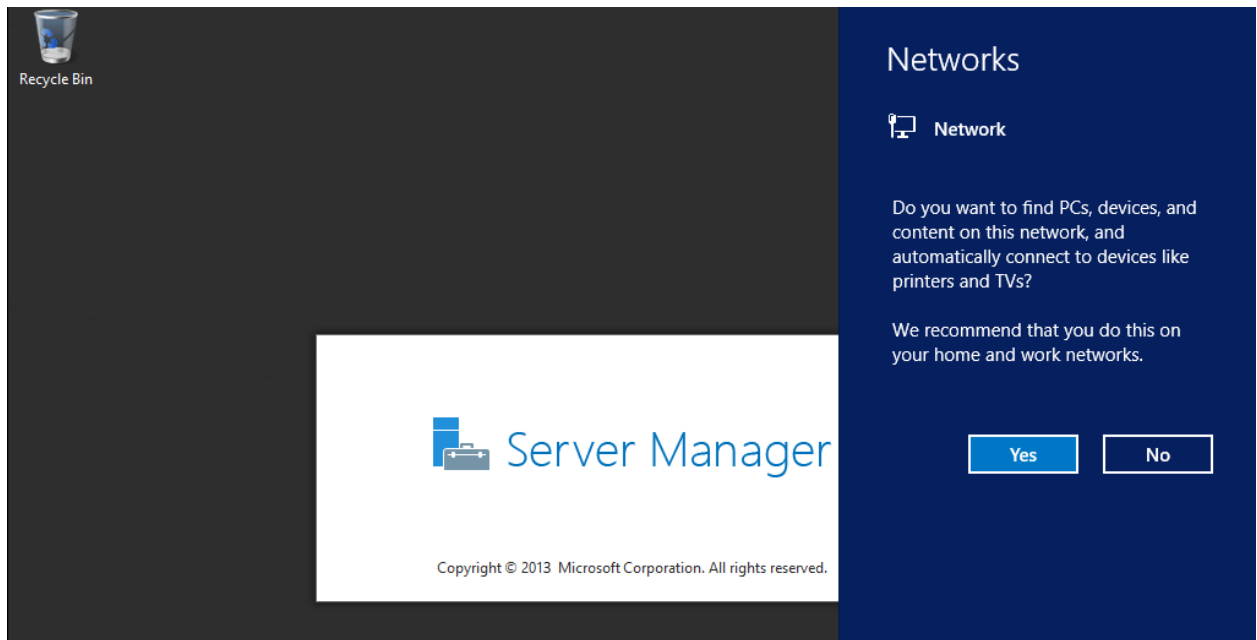
Enter the username and password.



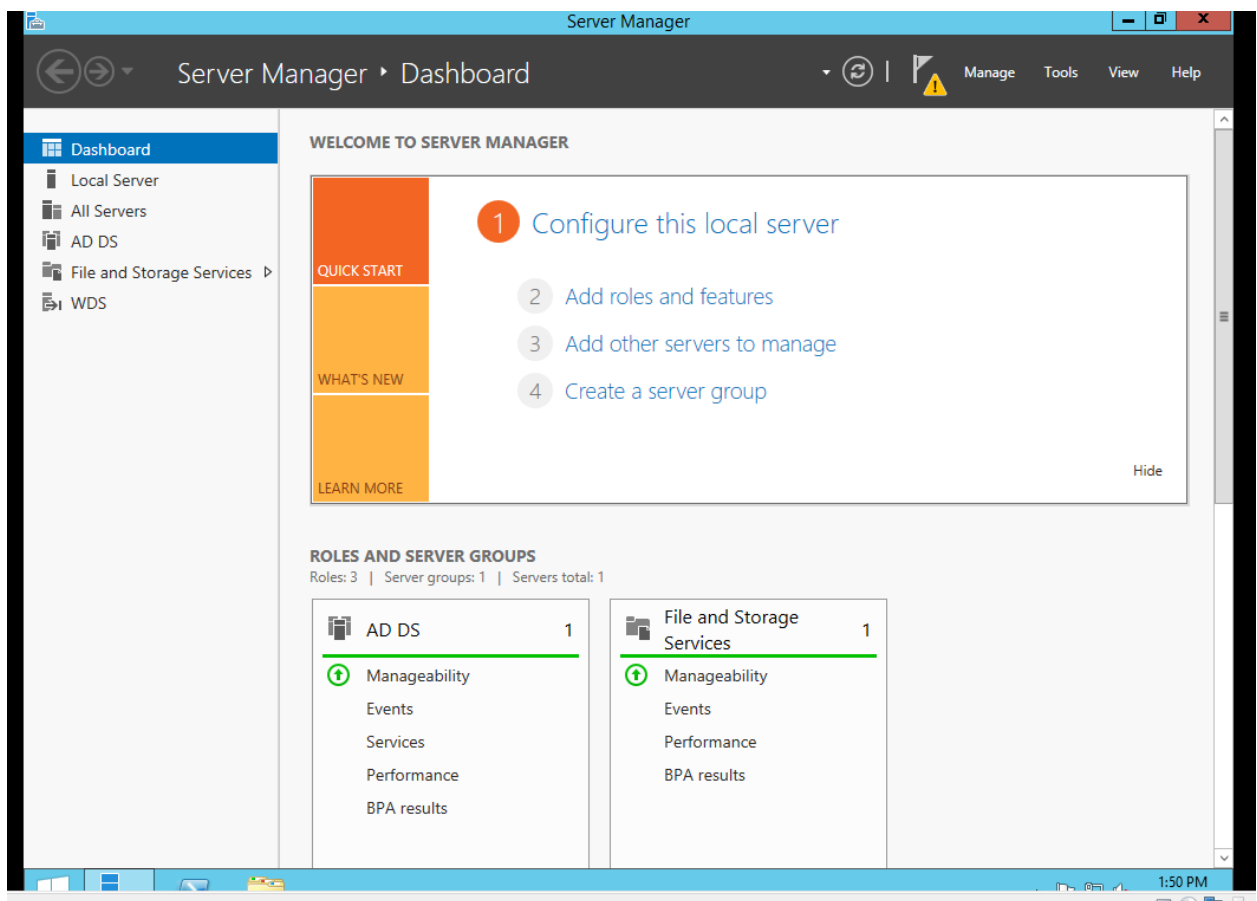
Enter the system's password



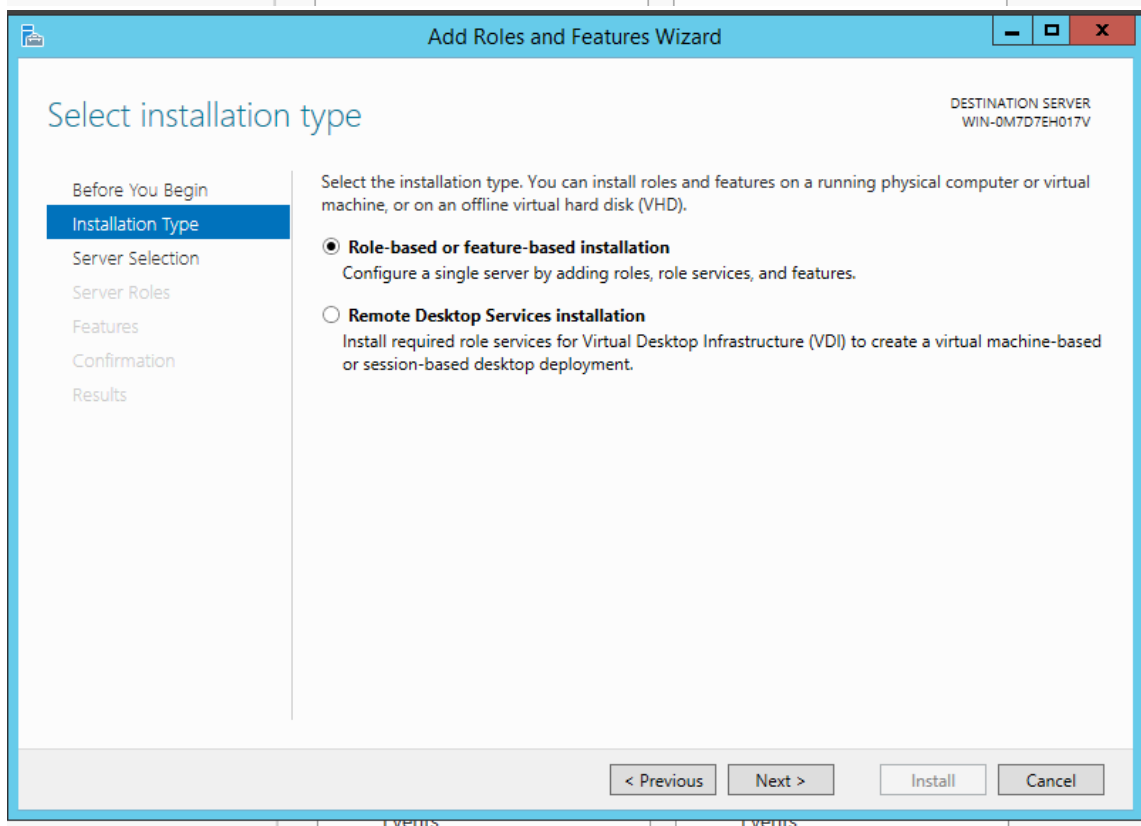
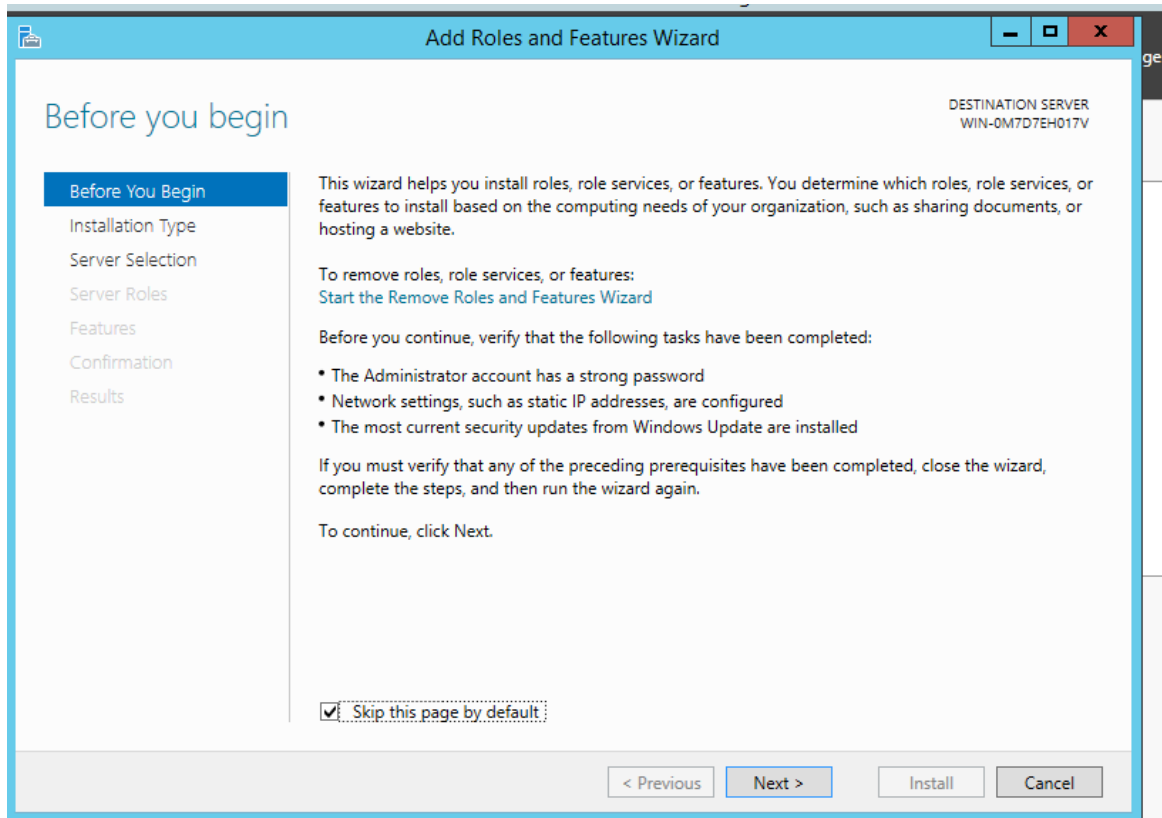
Select the yes option

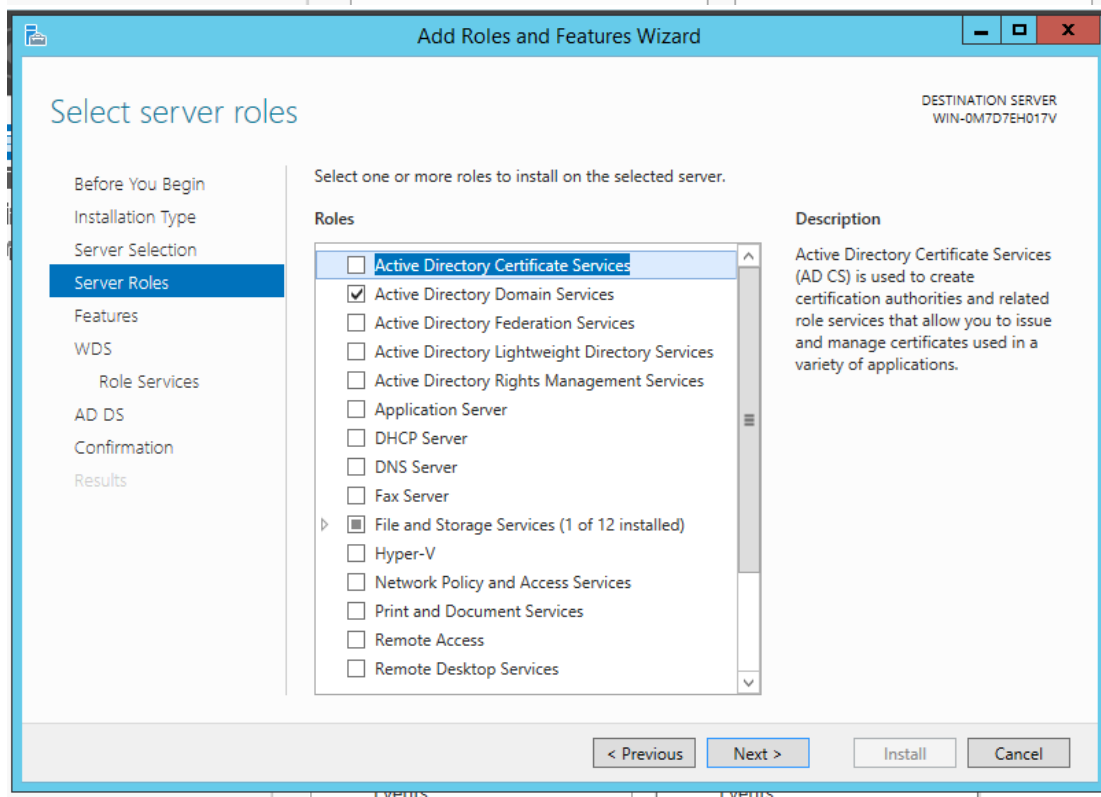
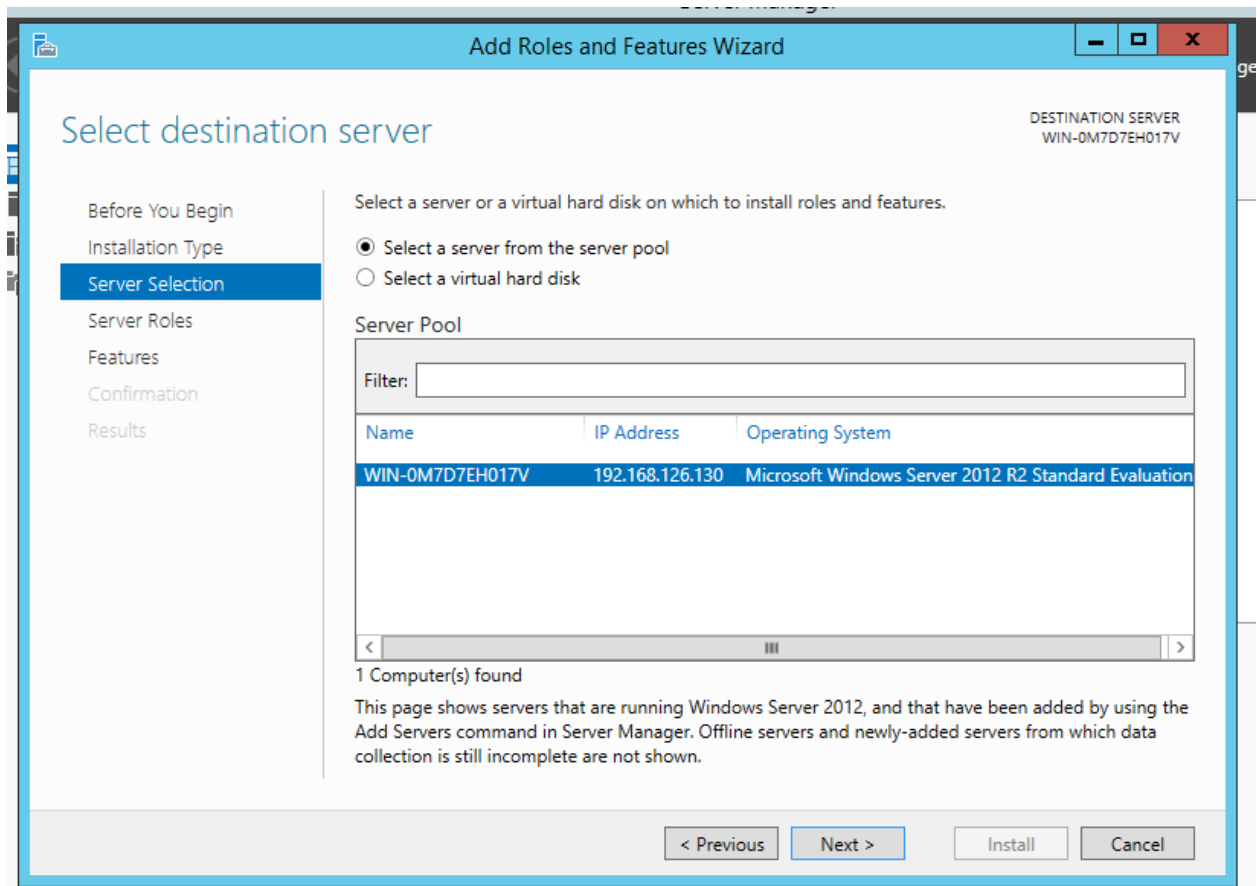


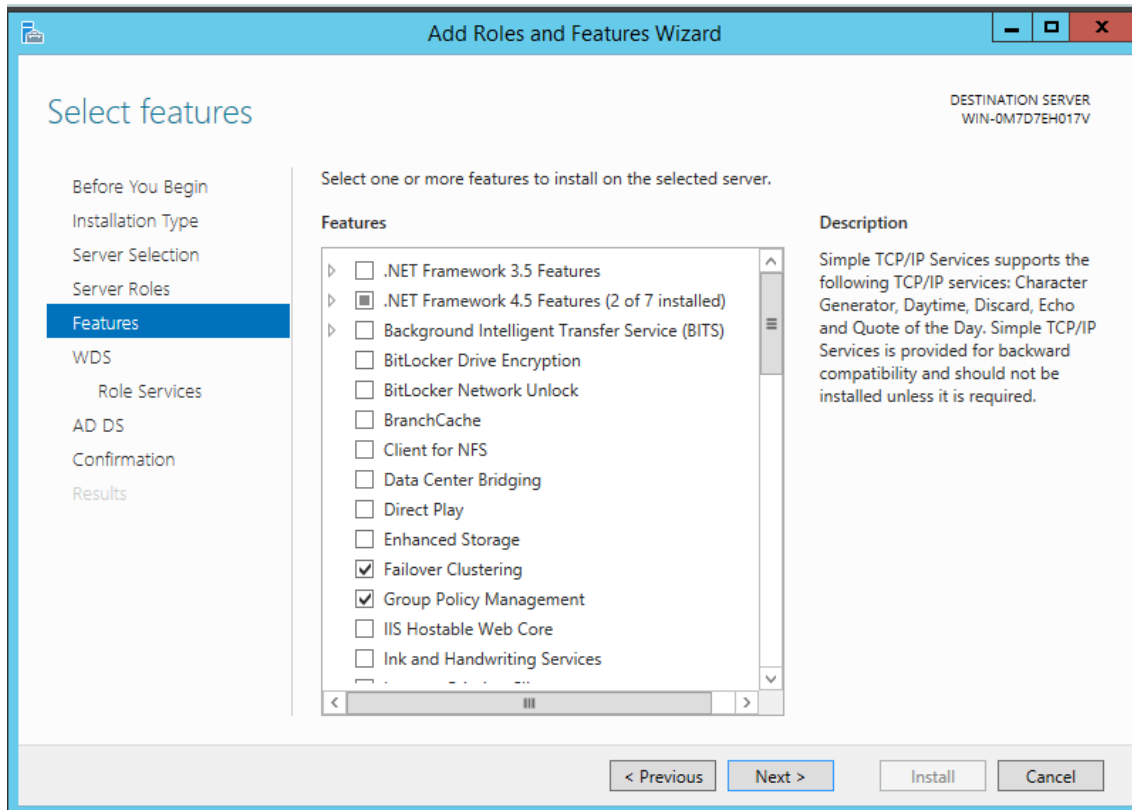
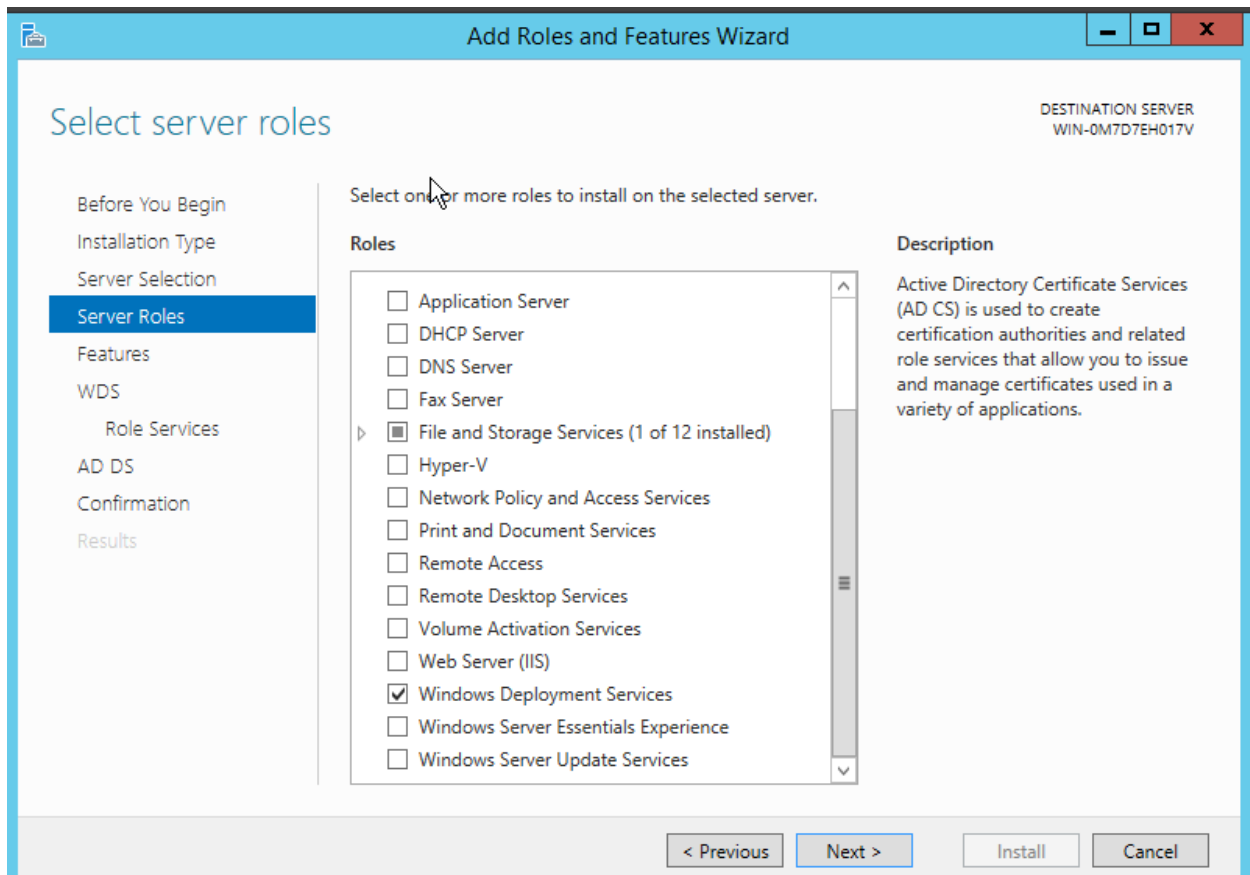
Click on Add roles and features

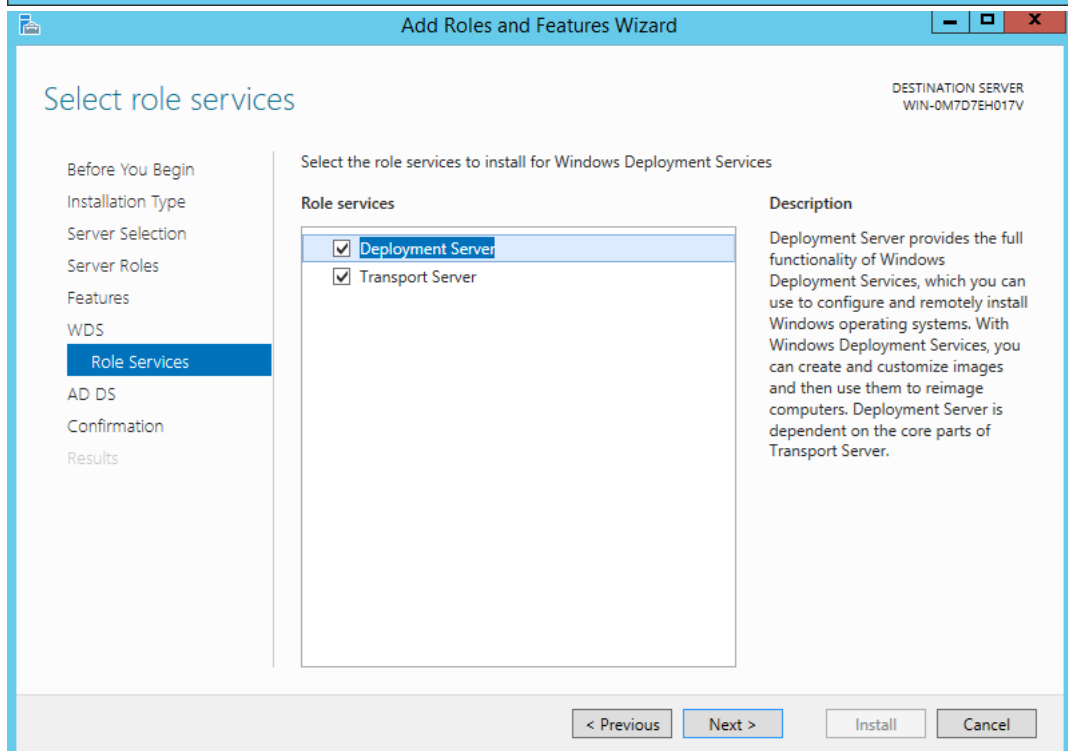
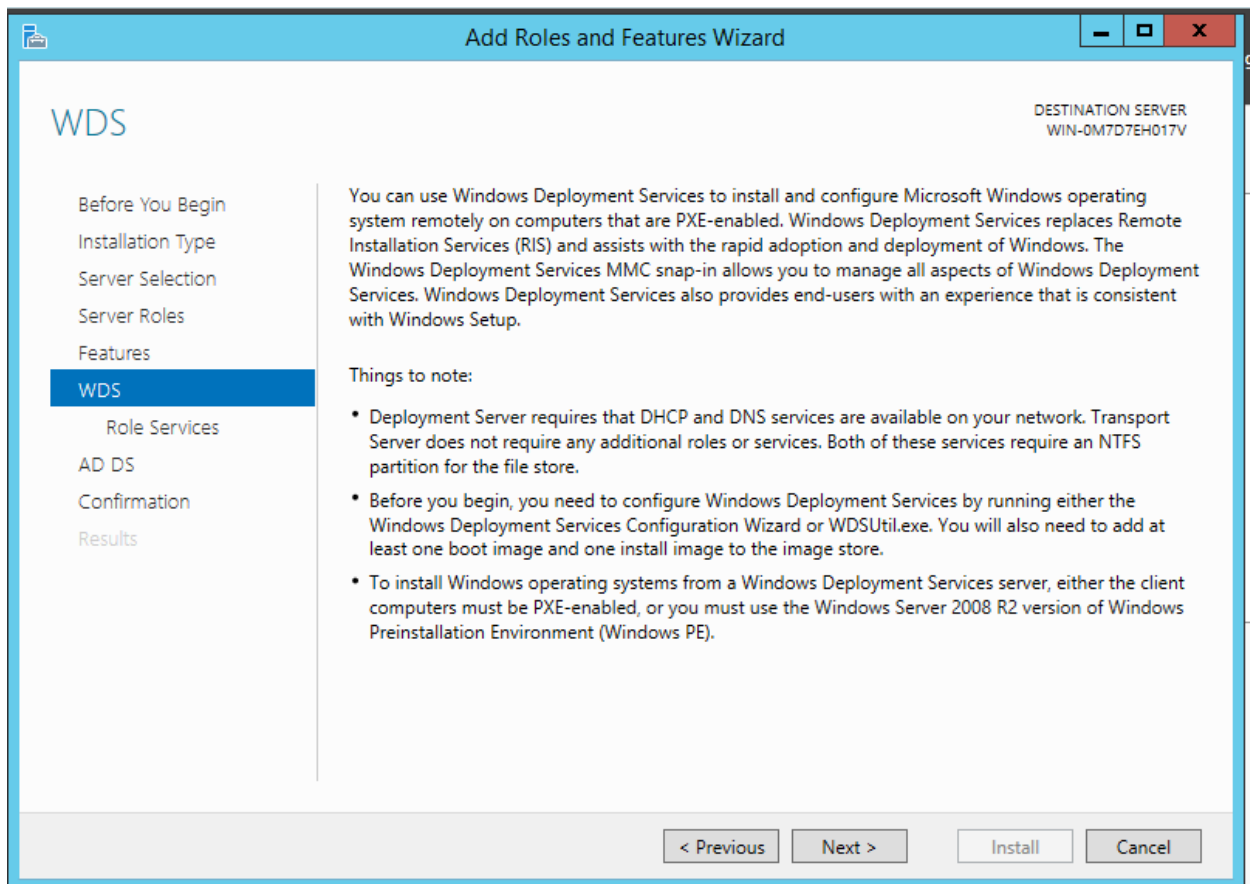


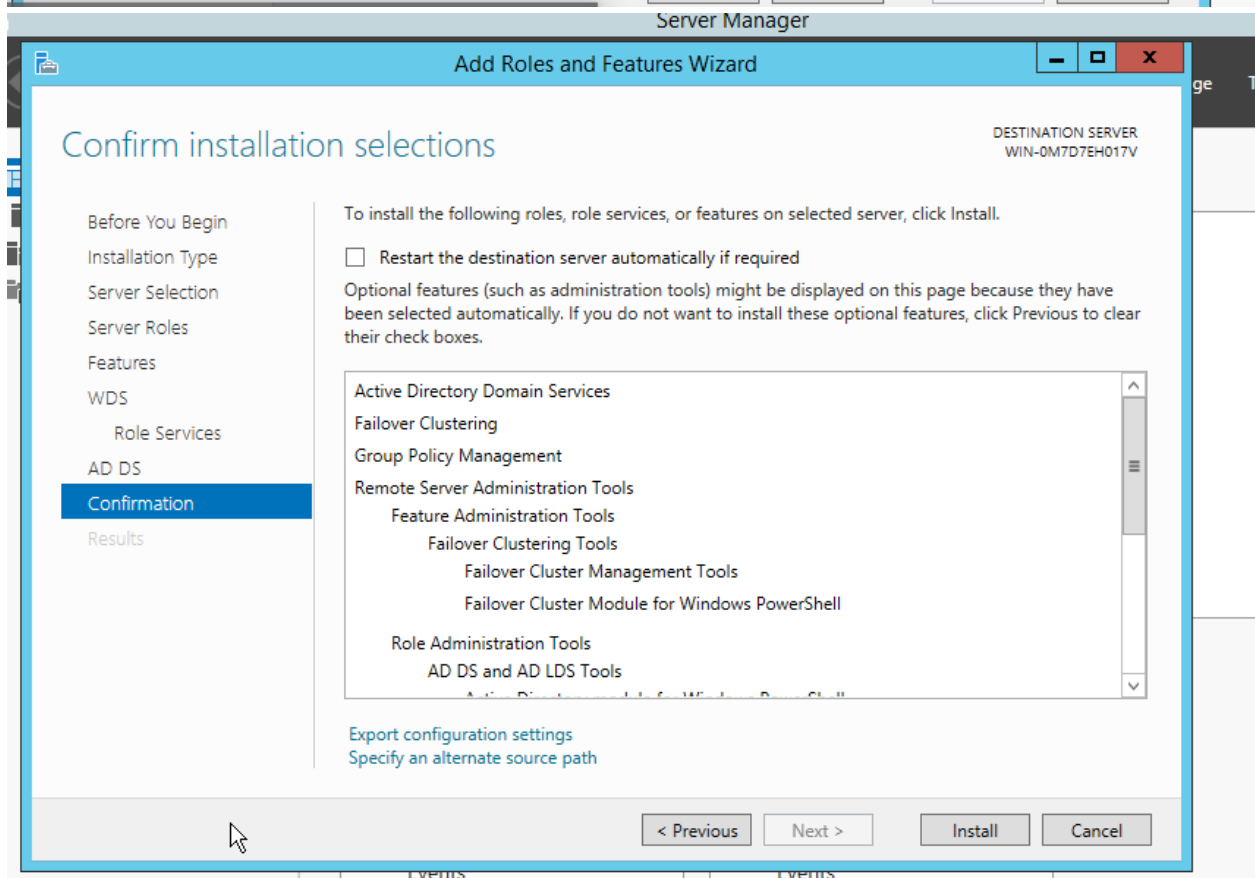
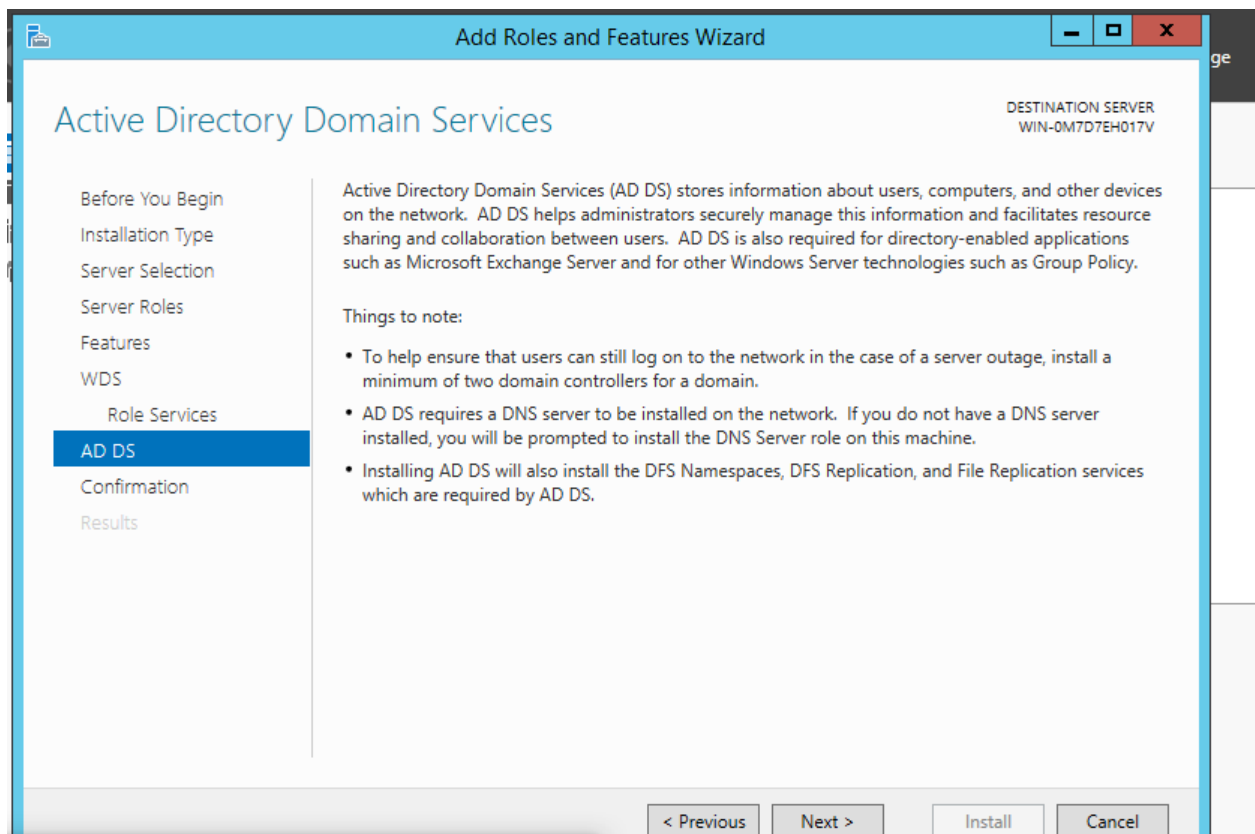
Click on the next

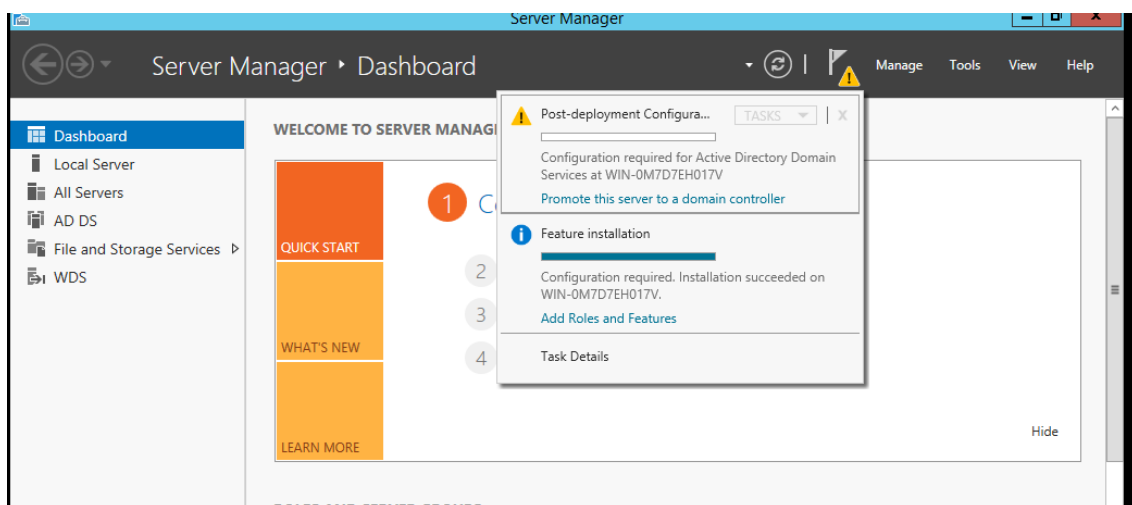
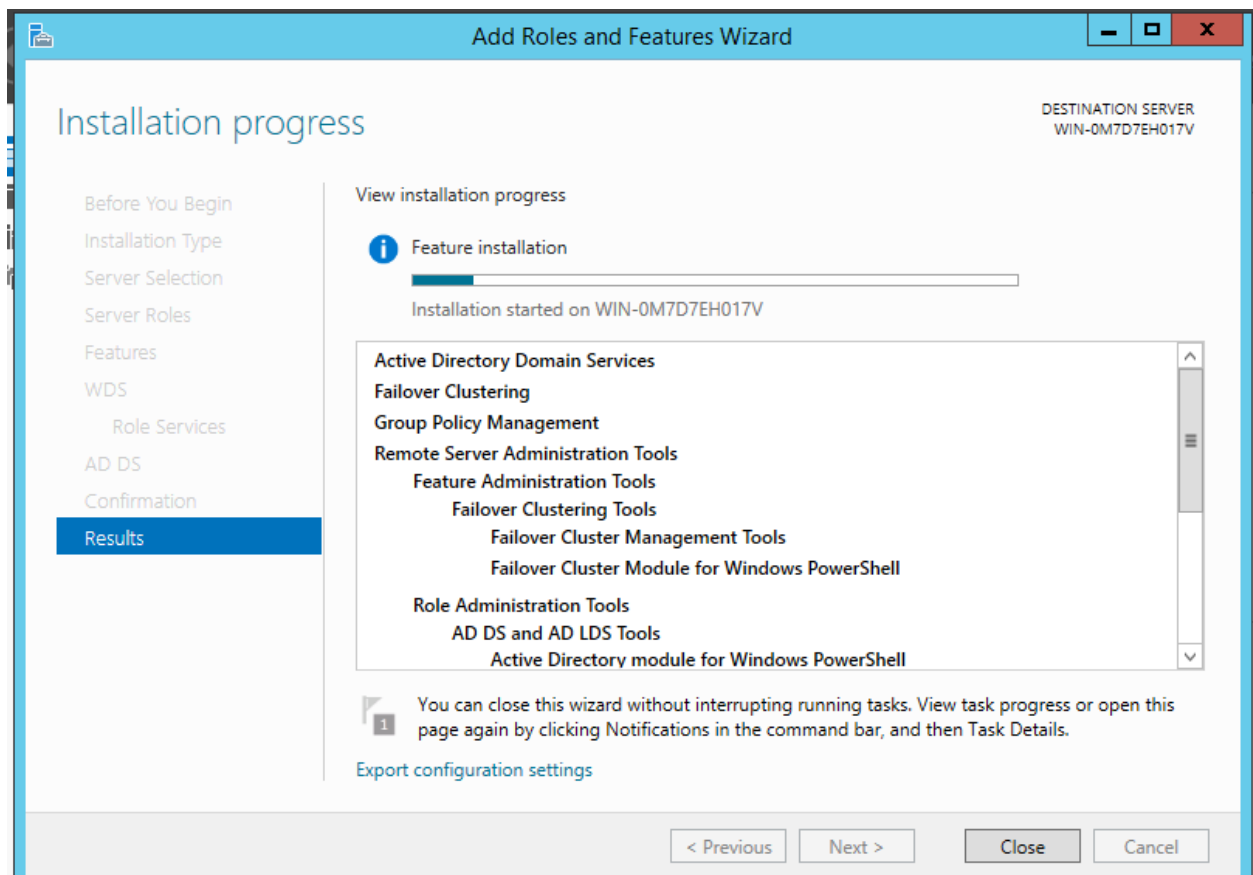












Active Directory Domain Services Configuration Wizard

Deployment Configuration

TARGET SERVER
WIN-0M7D7EH017V

Deployment Configuration

Domain Controller Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select the deployment operation

☐ Add a domain controller to an existing domain

☐ Add a new domain to an existing forest

☒ Add a new forest

Specify the domain information for this operation

Root domain name:

[More about deployment configurations](#)

< Previous Next > Install Cancel

Active Directory Domain Services Configuration Wizard

Domain Controller Options

TARGET SERVER
WIN-0M7D7EH017V

Deployment Configuration

Domain Controller Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select functional level of the new forest and root domain

Forest functional level:

Domain functional level:

Specify domain controller capabilities

☒ Domain Name System (DNS) server

☒ Global Catalog (GC)

☐ Read only domain controller (RODC)

Type the Directory Services Restore Mode (DSRM) password

Password:

Confirm password:

[More about domain controller options](#)

< Previous Next > Install Cancel

Active Directory Domain Services Configuration Wizard

TARGET SERVER
WIN-0M7D7EH017V

Domain Controller Options

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Select functional level of the new forest and root domain

Forest functional level: Windows Server 2012 R2

Domain functional level: Windows Server 2012 R2

Specify domain controller capabilities

☒ Domain Name System (DNS) server

☒ Global Catalog (GC)

☐ Read only domain controller (RODC)

Type the Directory Services Restore Mode (DSRM) password

Password:

Confirm password:

[More about domain controller options](#)

< Previous Next > Install Cancel

Active Directory Domain Services Configuration Wizard

TARGET SERVER
WIN-0M7D7EH017V

DNS Options

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

A delegation for this DNS server cannot be created because the authoritative parent zone cannot be found... [Show more](#) X

Specify DNS delegation options

☐ Create DNS delegation

[More about DNS delegation](#)

< Previous Next > Install Cancel

Active Directory Domain Services Configuration Wizard

Additional Options

TARGET SERVER
WIN-0M7D7EH017V

Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results

Verify the NetBIOS name assigned to the domain and change it if necessary

The NetBIOS domain name:

[More about additional options](#)

< Previous Next > Install Cancel

Active Directory Domain Services Configuration Wizard

Paths

TARGET SERVER
WIN-0M7D7EH017V

Deployment Configuration
Domain Controller Options
DNS Options
Additional Options
Paths
Review Options
Prerequisites Check
Installation
Results

Specify the location of the AD DS database, log files, and SYSVOL

Database folder: ...

Log files folder: ...

SYSVOL folder: ...

[More about Active Directory paths](#)

< Previous Next > Install Cancel

Active Directory Domain Services Configuration Wizard

TARGET SERVER
WIN-0M7D7EH017V

Review Options

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

Review your selections:

Configure this server as the first Active Directory domain controller in a new forest.

The new domain name is "server.com". This is also the name of the new forest.

The NetBIOS name of the domain: SERVER

Forest Functional Level: Windows Server 2012 R2

Domain Functional Level: Windows Server 2012 R2

Additional Options:

Global catalog: Yes

DNS Server: Yes

Create DNS Delegation: No

These settings can be exported to a Windows PowerShell script to automate additional installations

[View script](#)

[More about installation options](#)

< Previous

Next >

Install

Cancel

Active Directory Domain Services Configuration Wizard

TARGET SERVER
WIN-0M7D7EH017V

Prerequisites Check

Deployment Configuration

Domain Controller Options

DNS Options

Additional Options

Paths

Review Options

Prerequisites Check

Installation

Results

✔ All prerequisite checks passed successfully. Click 'Install' to begin installation. [Show more](#)

Prerequisites need to be validated before Active Directory Domain Services is installed on this computer

[Rerun prerequisites check](#)

View results

⚠ Windows Server 2012 R2 domain controllers have a default for the security setting named "Allow cryptography algorithms compatible with Windows NT 4.0" that prevents weaker cryptography algorithms when establishing security channel sessions.

For more information about this setting, see Knowledge Base article 942564 (<http://go.microsoft.com/fwlink/?LinkId=104751>).

⚠ This computer has at least one physical network adapter that does not have static IP address(es) assigned to its IP Properties. If both IPv4 and IPv6 are enabled for a network adapter, both IPv4 and IPv6 static IP addresses should be assigned to both IPv4 and IPv6 Properties of the physical network adapter. Such static IP address(es) assignment should be done to all the physical network adapters for reliable Domain Name System

⚠ If you click Install, the server automatically reboots at the end of the promotion operation.

[More about prerequisites](#)

< Previous

Next >

Install

Cancel

