

Installing Windows Server 2004 Core

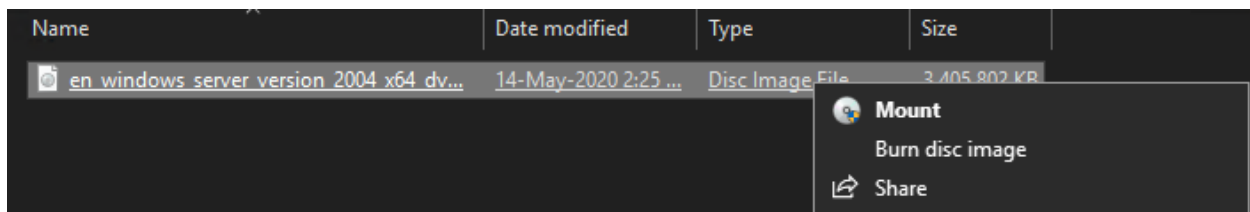
In this post, I will show you the process of installing Windows Server 2004 as a virtual machine with 4GB Memory and 127GB Hard disk.

Microsoft released Windows Server 2004 last month. As per MS there is no more GUI to configure the server post installation. All the configuration is command based. I will show you as much possible with the configuration during the process.

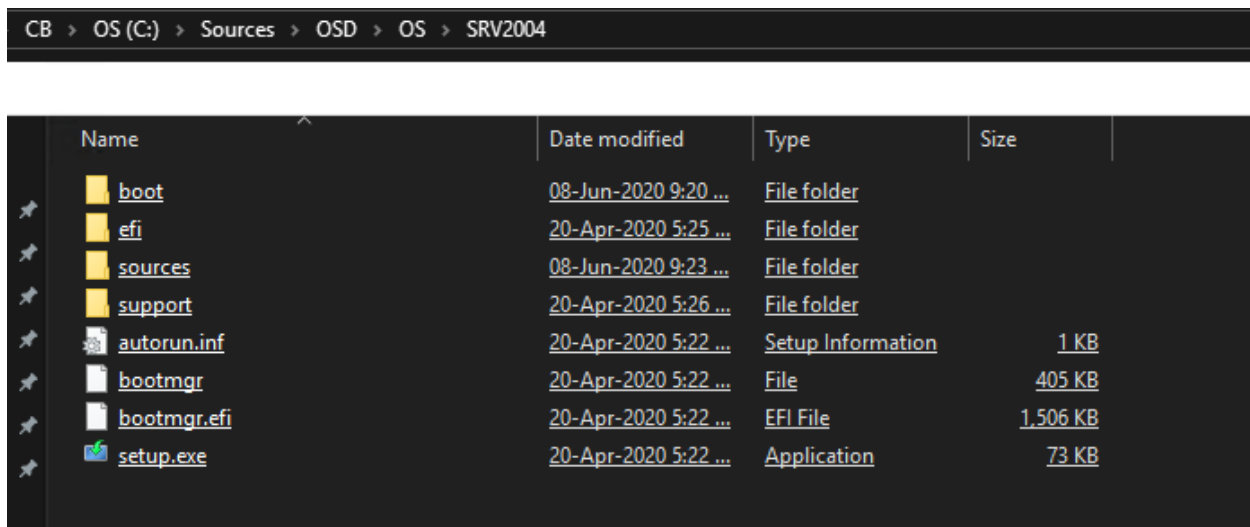
I have downloaded ISO from Microsoft site which is eval version. Later we can use KMS command to activate.

I created a virtual machine with above configuration. Will boot up and complete the process as detailed below.

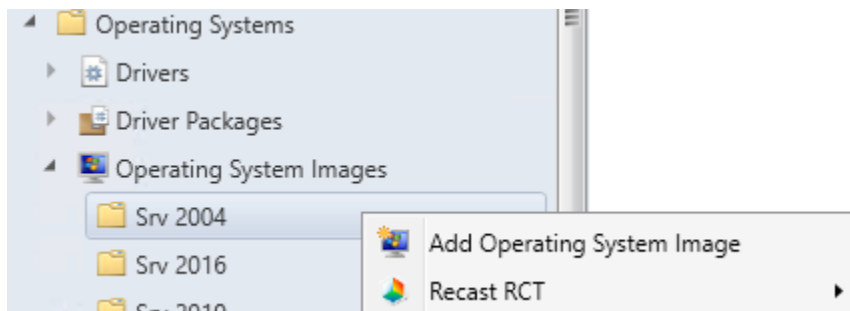
Mount the ISO so we can copy the file to network share.



Copy the files now.



Now will add OS Image





Data Source

Data Source

General

Summary

Progress

Completion

Browse to the data source for the operating system image

Specify the path to the operating system image file.

Path:

\\cb\Sources\OSD\OS\SRV2004\sources\install.wim

Browse...

Example: \\servername\sharename\path\file.WIM

☒ Extract a specific image index from the specified WIM file

Image index:

2 - Windows Server SERVERDATACENT



Selecting a specific image will result in Configuration Manager exporting the index as a new WIM file in the same directory as the source image.

If the selected architecture and language matches that of the client, the package content will be downloaded in advance.

Architecture:

☐ x86

☒ x64

Language:

English (United States)

< Previous

Next >

Summary

Cancel

As you can see there are only 2 images to select (Standard and Data Center - Core)

Image index:

2 - Windows Server SERVERDATACENT



Selecting a specific image will result in Configuration Manager exporting the index as a new WIM file in the same directory as the source image.

1 - Windows Server SERVERSTANDARDACORE

2 - Windows Server SERVERDATACENTERACORE



General

Data Source

General

Summary

Progress

Completion

Type general information for the operating system image

Provide a name, version, and comment for the operating system image.

Name:

Windows Server 2004 x64

Version:

Core

Comment:

< Previous

Next >

Summary

Cancel



Summary

Data Source

General

Summary

Progress

Completion

To create the Operating System Image, click Next

Details:

Data Source Information

- Source location: \\cb\Sources\OSD\OS\SRV2004\sources\install.wim

Index Export Information

- Image Index: 2
- Image Index Name: Windows Server SERVERDATACENTERCORE
- Destination Location: \\cb\Sources\OSD\OS\SRV2004\sources\install-2-Windows-Server-SERVERDATACENTERCORE.wim

Package Information

- Name: Windows Server 2004 x64
- Version: Core

To change these settings, click Previous. To apply the settings, click Next.

< Previous

Next >

Summary

Cancel



Completion

Data Source

General

Summary

Progress

Completion



The Add Operating System Image Wizard completed successfully

Details:



Success: Data Source Information

- Source location: \\cb\Sources\OSD\OS\SRV2004\sources\install.wim



Success: Index Export Information

- Image Index: 2
- Image Index Name: Windows Server SERVERDATACENTERCORE
- Destination Location: \\cb\Sources\OSD\OS\SRV2004\sources\install-2-Windows-Server-SERVERDATACENTERCORE.wim



Success: Package Information

- Name: Windows Server 2004 x64
- Version: Core

To exit the wizard, click Close.

< Previous

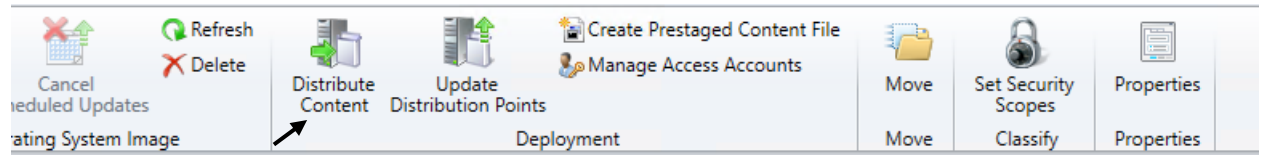
Next >

Summary

Close

Overview > Operating Systems > Operating System Images > Srv 2004					
< Srv 2004 1 items					
Search					
Icon	Name	Version	Comment	Image ID	OS Version
	Windows Server 2004 x64	Core		TOR001B8	10.0.19041.208

We will distribute the OS



Overview > Operating Systems > Operating System Images > Srv 2004					
< Srv 2004 1 items					
Search					
Icon	Name	Version	Comment	Image ID	
	Windows Server 2004 x64	Core		TOR001B8	

Distribute Content Wizard

General

General
Content Destination
Summary
Progress
Completion

Review selected content

You have selected the following content for distribution.

Content:

Windows Server 2004 x64

Some content might have associated dependencies that must be installed before the content can be installed.

☐ Detect associated content dependencies and add them to this distribution

< Previous

Next >

Summary

Cancel



Content Destination

General

Content Destination

Summary

Progress

Completion

Specify the content destination

Content will be distributed to the following distribution points, distribution point groups, and the distribution point groups that are currently associated with collections.

Content destination:

Filter...			Add ▼
Name	Description	Associations	Remove
Toronto	Distribution point group	0	

< Previous

Next >

Summary

Cancel



Summary

General

Content Destination

Summary

Progress

Completion

Confirm the settings

Details:

Content (1):

- Windows Server 2004 x64

Collections (0):

Distribution point groups (1):

- Toronto

Distribution points (1):

- CB.RAMLAN.CA

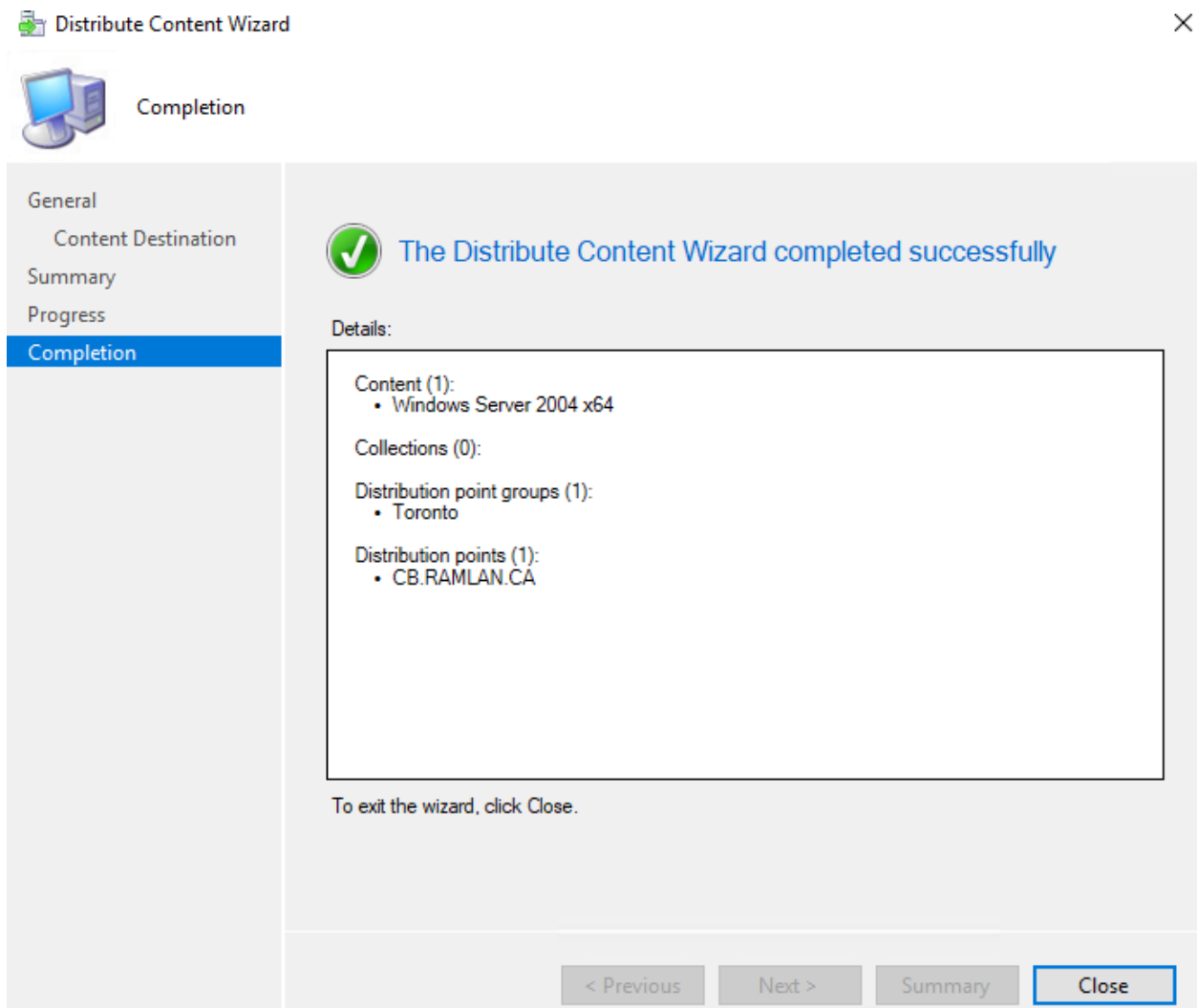
To change these settings, click Previous. To apply the settings, click Next.

< Previous

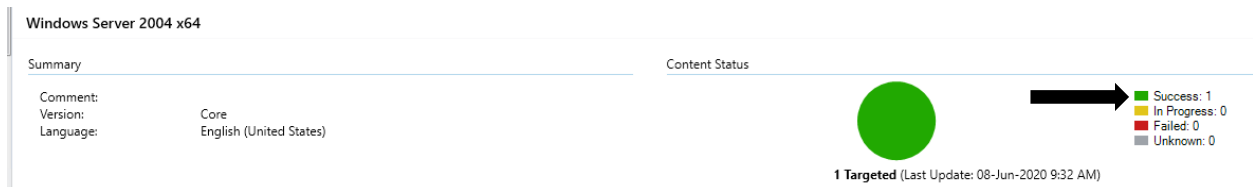
Next >

Summary

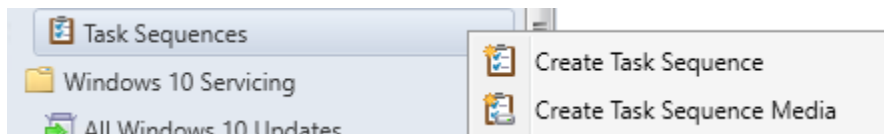
Cancel



Content distributed successfully.



Now we will create a task sequence for deployment later.





Create New Task Sequence

Create New Task Sequence

Task Sequence Information
Install Windows
Configure Network
Install Configuration Manager
State Migration
Include Updates
Install Applications
Summary
Progress
Completion

Create a new task sequence

A task sequence performs multiple steps or actions on a client computer at the command-line level without requiring user intervention. Select the type of task sequence to create. You can use the task sequence editor to add steps to your task sequence.

Select a new task sequence to be created.

- ☒ Install an existing image package
- ☐ Build and capture a reference operating system image
- ☐ Upgrade an operating system from an upgrade package
- ☐ Deploy Windows Autopilot for existing devices
- ☐ Create a new custom task sequence

< Previous

Next >

Summary

Cancel



Task Sequence Information

Create New Task Sequence

Task Sequence Information
Install Windows
Configure Network
Install Configuration Manager
State Migration
Include Updates
Install Applications
Summary
Progress
Completion

Specify task sequence information

Task sequence name: Servefr 2004 Core

Description:

Boot image: Boot image (x64) 10.0.19041.1

Browse...

☒ Run as high performance power plan

< Previous

Next >

Summary

Cancel



Install Windows

- Create New Task Sequence
- Task Sequence Information
- Install Windows**
- Configure Network
- Install Configuration Manager
- State Migration
- Include Updates
- Install Applications
- Summary
- Progress
- Completion

Install the Windows operating system

Specify the Windows operating system image and installation information.

Image package:

Image index: ▾

☒ Partition and format the target computer before installing the operating system.

☐ Configure task sequence for use with BitLocker

Specify the licensing information for the Windows installation.

Product key:

Server licensing mode: ▾

Maximum server connections: ▴ ▾

☐ Randomly generate the local administrator password and disable the account on all supported platforms (recommended)

☒ Enable the account and specify the local administrator password

Password:

Confirm password:

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Next >

Summary

Cancel



Configure Network

- Create New Task Sequence
- Task Sequence Information
- Install Windows
- Configure Network**
- Install Configuration Manager
- State Migration
- Include Updates
- Install Applications
- Summary
- Progress
- Completion

Configure the network

Select the domain or workgroup to join.

☐ Join a workgroup

Workgroup:

☒ Join a domain

Domain:

Domain OU:

Specify the account that has permission to join the domain.

Account:

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Next >

Summary

Cancel



Install Configuration Manager

- Create New Task Sequence
- Task Sequence Information
- Install Windows
- Configure Network
- Install Configuration Manager**
- State Migration
- Include Updates
- Install Applications
- Summary
- Progress
- Completion

Install the Configuration Manager client

Specify the Configuration Manager client package. Configuration Manager site assignment and client configuration is done automatically. You can specify additional installation properties.

Package:

Installation properties:

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Summary

Cancel



State Migration

- Create New Task Sequence
- Task Sequence Information
- Install Windows
- Configure Network
- Install Configuration Manager
- State Migration**
- Include Updates
- Install Applications
- Summary
- Progress
- Completion

Configure state migration

Select the settings on the destination computer to migrate as part of this image deployment.

This action will capture the user specific settings.

☐ Capture user settings and files

USMT Package:

☒ Save user settings and files on a State Migration Point

☐ Save user settings and files locally

☒ Capture locally by using links instead of by copying files

This action will capture the configuration of the network.

☐ Capture network settings

This action will capture the Windows specific settings.

☐ Capture Microsoft Windows settings

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Next >

Summary

Cancel



Include Updates

- Create New Task Sequence
- Task Sequence Information
- Install Windows
- Configure Network
- Install Configuration Manager
- State Migration
- Include Updates**
- Install Applications
- Summary
- Progress
- Completion

Include software updates

Install software updates based on the type of software update deployment:

- ☐ Required for installation - Mandatory software updates only
- ☐ Available for installation - All software updates
- ☒ Do not install any software updates

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Next >

Summary

Cancel



Install Applications

- Create New Task Sequence
- Task Sequence Information
- Install Windows
- Configure Network
- Install Configuration Manager
- State Migration
- Include Updates
- Install Applications**
- Summary
- Progress
- Completion

Install applications

Select the applications to be run with this operating system image.

Applications:



Application name	Description
7-Zip 18.06 (x64 edition)	
Adobe Acrobat Reader DC	
VLC media player 3.0.6 (64-bit)	
Edge	

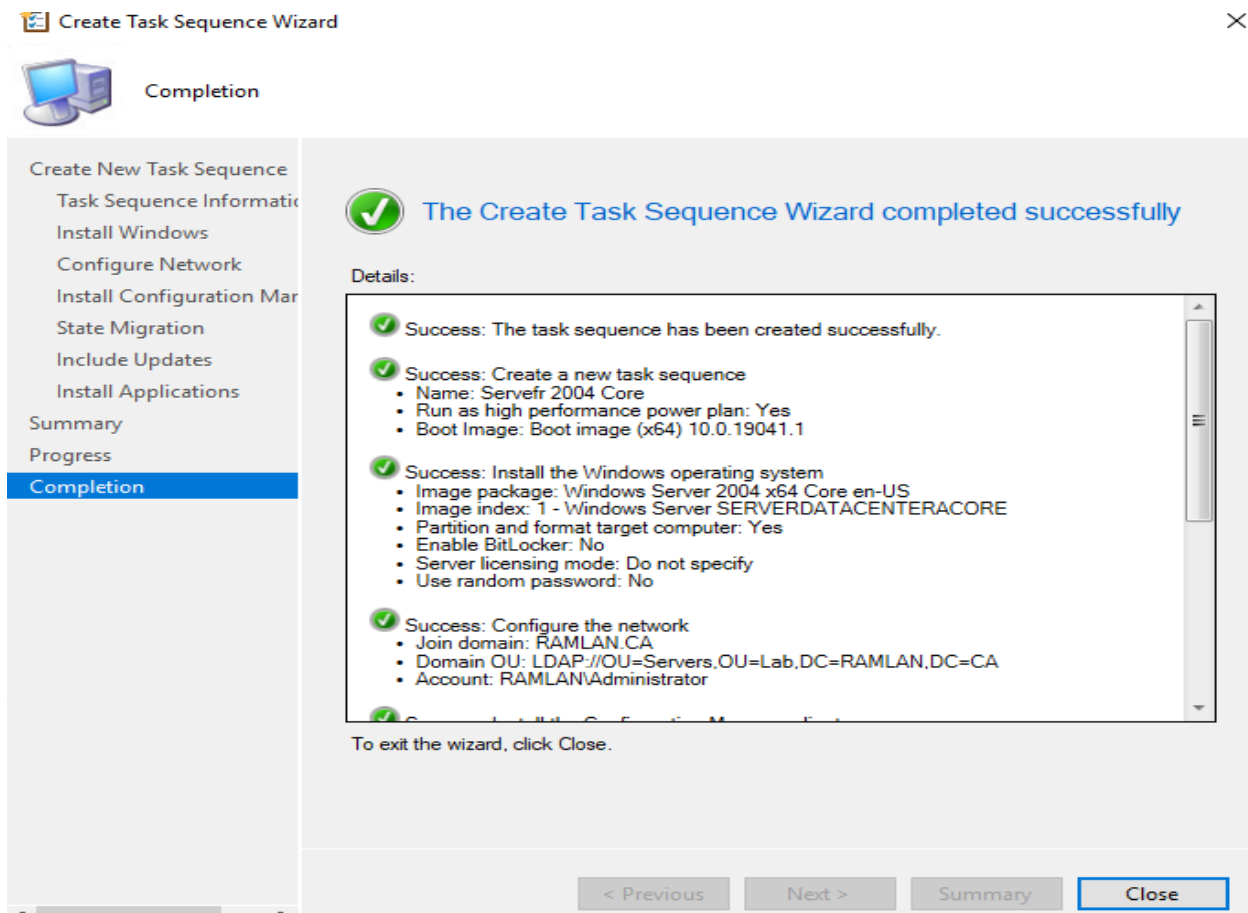
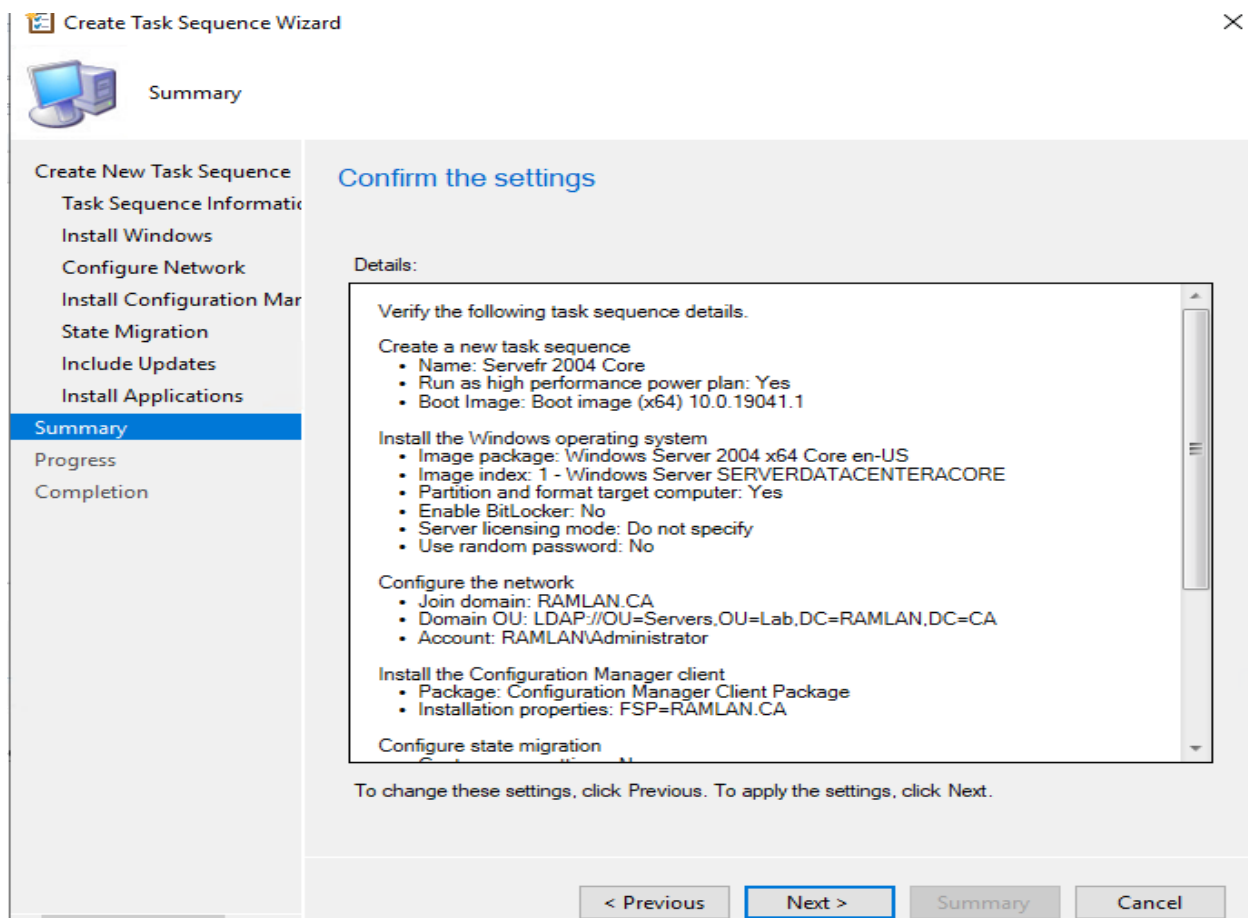
☐ If an application installation fails, continue installing other applications in the list

< Previous

Next >

Summary

Cancel



Now we will deploy to Unknown Computers within the network

The screenshot shows the Microsoft Deployment Toolkit (MDT) interface. At the top, there is a ribbon with various icons for creating and managing task sequences. Below the ribbon, a breadcrumb trail indicates the current location: **view** > **Operating Systems** > **Task Sequences**.

The main area displays a list of task sequences under the heading "Task Sequences 10 items". A search bar is present above the list. The list contains three items:

Icon	Name	Description	Package ID
	ESU Pre Req Win 7	This will be for Win 7 client to prep them for future ESU update installation	TOR00192
	MDT BOOT 8456	This dummy task sequence is to create MDT BOOT package for future use	TOR00023
	Servefr 2004 Core	Windows Server 2004 Core	TOR001B9

Below the list, the "Deploy Software Wizard" is open, showing the "General" tab. The wizard's left sidebar lists the following steps: **General**, Deployment Settings, Scheduling, User Experience, Alerts, Distribution Points, Summary, Progress, and Completion.

The main content area of the wizard is titled "Specify general information for this deployment". It contains the following fields and options:

- Task sequence:** A text box containing "Servefr 2004 Core" and a "Browse..." button.
- Collection:** A text box containing "All Unknown Computers" and a "Browse..." button.
- Three checkboxes:
 - ☐ Use default distribution point groups associated to this collection
 - ☐ Automatically distribute content for dependencies
 - ☐ Pre-download content for this task sequence
- A paragraph of text: "Select a previously saved deployment template that defines configuration settings for this deployment. Before you complete this wizard, you have the option to save the current configurations as a new deployment template."
- A button labeled "Select Deployment Template..."
- A text box for "Comments (optional):" with a vertical scrollbar.

At the bottom of the wizard, there are four buttons: "< Previous", "Next >", "Summary", and "Cancel".



Deployment Settings

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion

Specify settings to control how this software is deployed

Action: Purpose:

Specify whether to make this task sequence available to Configuration Manager clients, and whether it is available to run when you deploy an operating system by using boot media, prestaged media, or PXE.

Make available to the following:

< Previous

Next >

Summary

Cancel



Scheduling

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion

Specify the schedule for this deployment

This program will be available as soon as it has been distributed to the content servers unless it is scheduled for a later time below. For required applications, specify the assignment schedule.

☐ Schedule when this deployment will become available: ☐ UTC☐ Schedule when this deployment will expire: ☐ UTC

Assignment schedule:

New...

Edit...

Delete

There are no items to show in this view.

Rerun behavior:

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Next >

Summary

Cancel



User Experience

General
Deployment Settings
Scheduling
User Experience
Alerts
Distribution Points
Summary
Progress
Completion

Specify the user experience for the installation of this software on the selected devices

Notification settings:

- ☒ Allow users to run the program independently of assignments
- ☒ Show Task Sequence progress

When the scheduled assignment time is reached, allow the following activities to be performed outside the maintenance window:

- ☐ Software installation
- ☐ System restart (if required to complete the installation)

Write filter handling for Windows Embedded devices

- ☒ Commit changes at deadline or during a maintenance window (requires restarts)

If this option is not selected, content will be applied on the overlay and committed later.

Internet based clients:

- ☐ Allow task sequence to run for client on the Internet

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Next >

Summary

Cancel



Alerts

General
Deployment Settings
Scheduling
User Experience
Alerts
Distribution Points
Summary
Progress
Completion

Specify Configuration Manager and Operations Manager alert options

Configuration Manager generates alerts when this task sequence is deployed.

Threshold for successful deployment

- ☐ Create a deployment alert when the threshold is lower than the following:

Percent success: 90

After: 15-Jun-2020 10:01 AM

Threshold for failed deployment

- ☐ Create a deployment alert when the threshold is higher than the following:

Percent failure: 10

< Previous

Next >

Summary

Cancel



Distribution Points

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion

Specify how to run the content for this program

Specify how clients interact with the distribution points to retrieve content from packages referred by the task sequence:

Deployment options:


Download content locally when needed by the running task sequence

Clients will always try to get content from distribution points in current boundary group. In addition, interaction with distribution points in neighbor boundary group can be controlled:

☐ Allow clients to use distribution points from the neighbor boundary group

When this content is not available on any distribution points in current and neighbor boundary groups, you can allow the client to use a distribution point in site default boundary group.

☐ Allow clients to use distribution points from the default site boundary group

 Token based authentication (recommended) or a network access account must be configured to access content from Windows PE

< Previous

Next >

Summary

Cancel



Summary

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion

Confirm the settings for this new deployment

Details:

Save As Template...

General

- Software: Servefr 2004 Core
- Collection: All Unknown Computers (Member Count: 2)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Disabled
- Pre-download content for this task sequence: Disabled

Deployment Settings

- Action: Install
- Purpose: Available
- Task sequence deployment option: Only media and PXE
- Allow clients to use a metered Internet connection to download content: Disabled

Scheduling

- Schedule when this deployment will become available: Disabled
- Schedule when this deployment will expire: Disabled
- Rerun behavior: Always rerun program

User Experience

- Allow users to run the program independently of assignments: Enabled
- Software installation: Disabled
- System restart (if required to complete the installation): Disabled
- Allow task sequence to run for client on the Internet: Disabled
- Commit changes at deadline or during a maintenance window (requires restarts): Enabled
- Show Task Sequence progress: Enabled

To change these settings, click Previous. To apply the settings, click Next.

< Previous

Next >

Summary

Cancel



Completion

General

Deployment Settings

Scheduling

User Experience

Alerts

Distribution Points

Summary

Progress

Completion



The Deploy Software Wizard completed successfully

Details:



Success: General

- Software: Servefr 2004 Core
- Collection: All Unknown Computers (Member Count: 2)
- Use default distribution point groups associated to this collection: Disabled
- Automatically distribute content for dependencies: Disabled
- Pre-download content for this task sequence: Disabled



Success: Deployment Settings

- Action: Install
- Purpose: Available
- Task sequence deployment option: Only media and PXE
- Allow clients to use a metered Internet connection to download content: Disabled



Success: Scheduling

- Schedule when this deployment will become available: Disabled
- Schedule when this deployment will expire: Disabled
- Rerun behavior: Always rerun program



Success: User Experience

- Allow users to run the program independently of assignments: Enabled
- Software installation: Disabled
- System restart (if required to complete the installation): Disabled

To exit the wizard, click Close.

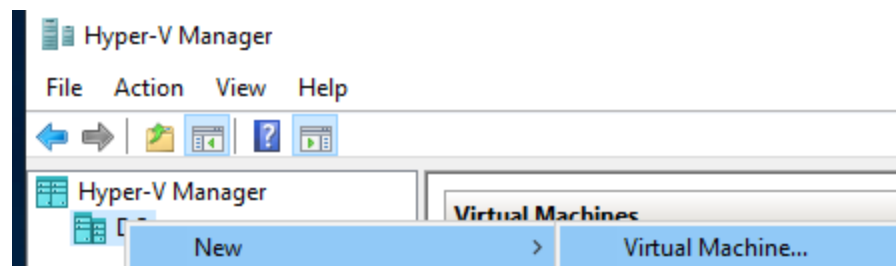
< Previous

Next >

Summary

Close

Now we will power on the virtual machine for network boot to kick start the install



**Specify Name and Location**

Before You Begin

Specify Name and Location

Specify Generation

Assign Memory

Configure Networking

Connect Virtual Hard Disk

Installation Options

Summary


Choose a name and location for this virtual machine.

The name is displayed in Hyper-V Manager. We recommend that you use a name that helps you easily identify this virtual machine, such as the name of the guest operating system or workload.

Name:

You can create a folder or use an existing folder to store the virtual machine. If you don't select a folder, the virtual machine is stored in the default folder configured for this server.

☒ Store the virtual machine in a different locationLocation:

 If you plan to take checkpoints of this virtual machine, select a location that has enough free space. Checkpoints include virtual machine data and may require a large amount of space.

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Next >

Finish

Cancel

**Specify Generation**

Before You Begin

Specify Name and Location

Specify Generation

Assign Memory

Configure Networking

Connect Virtual Hard Disk

Installation Options

Summary


Choose the generation of this virtual machine.

☐ Generation 1

This virtual machine generation supports 32-bit and 64-bit guest operating systems and provides virtual hardware which has been available in all previous versions of Hyper-V.

☒ Generation 2

This virtual machine generation provides support for newer virtualization features, has UEFI-based firmware, and requires a supported 64-bit guest operating system.

 Once a virtual machine has been created, you cannot change its generation.

[More about virtual machine generation support](#)

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Next >

Finish

Cancel



Assign Memory

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary

Specify the amount of memory to allocate to this virtual machine. You can specify an amount from 32 MB through 12582912 MB. To improve performance, specify more than the minimum amount recommended for the operating system.

Startup memory: MB

☐ Use Dynamic Memory for this virtual machine.

i When you decide how much memory to assign to a virtual machine, consider how you intend to use the virtual machine and the operating system that it will run.

< Previous

Next >

Finish

Cancel



Configure Networking

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary

Each new virtual machine includes a network adapter. You can configure the network adapter to use a virtual switch, or it can remain disconnected.

Connection: ▼

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Next >

Finish

Cancel

**Connect Virtual Hard Disk**

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary

A virtual machine requires storage so that you can install an operating system. You can specify the storage now or configure it later by modifying the virtual machine's properties.

☒ Create a virtual hard disk

Use this option to create a VHDX dynamically expanding virtual hard disk.

Name:
Location:
Size: GB (Maximum: 64 TB)

☐ Use an existing virtual hard disk

Use this option to attach an existing VHDX virtual hard disk.

Location:

☐ Attach a virtual hard disk later

Use this option to skip this step now and attach an existing virtual hard disk later.

**Installation Options**

Before You Begin
Specify Name and Location
Specify Generation
Assign Memory
Configure Networking
Connect Virtual Hard Disk
Installation Options
Summary

You can install an operating system now if you have access to the setup media, or you can install it later.

☒ Install an operating system later

☐ Install an operating system from a bootable image file

Media
Image file (.iso):

☐ Install an operating system from a network-based installation server



Completing the New Virtual Machine Wizard

- Before You Begin
- Specify Name and Location
- Specify Generation
- Assign Memory
- Configure Networking
- Connect Virtual Hard Disk
- Installation Options
- Summary**

You have successfully completed the New Virtual Machine Wizard. You are about to create the following virtual machine.

Description:

Name: SRV2004
Generation: Generation 2
Memory: 3048 MB
Network: Realtek PCIe GBE Family Controller - Virtual Switch
Hard Disk: C:\VM\SRV2004\SRV2004\Virtual Hard Disks\SRV2004.vhdx (VHDX, dynamically e
Operating System: Will be installed at a later time

To create the virtual machine and close the wizard, click Finish.

< Previous

Next >

Finish

Cancel

SRV2004

Hardware

- Add Hardware
- Firmware**
 - Boot from Network Adapter
- Security
 - Secure Boot enabled
- Memory
 - 3048 MB
- Processor
 - 1 Virtual processor
- SCSI Controller
 - Hard Drive
 - SRV2004.vhdx
- Network Adapter
 - Realtek PCIe GBE Family Controller...

Management

- Name
 - SRV2004
- Integration Services
 - Some services offered
- Checkpoints
 - Production
- Smart Paging File Location
 - C:\VM\SRV2004\SRV2004
- Automatic Start Action
 - Restart if previously running
- Automatic Stop Action
 - Save

Firmware

Boot order

Select the order in which boot entries are checked to start the operating system.

Type	Value
Network Adapter	Realtek PCIe GBE Family Controller - ...
Hard Drive	SRV2004.vhdx

Move Up

Move Down

Details for selected boot entry:

Description: EFI Network

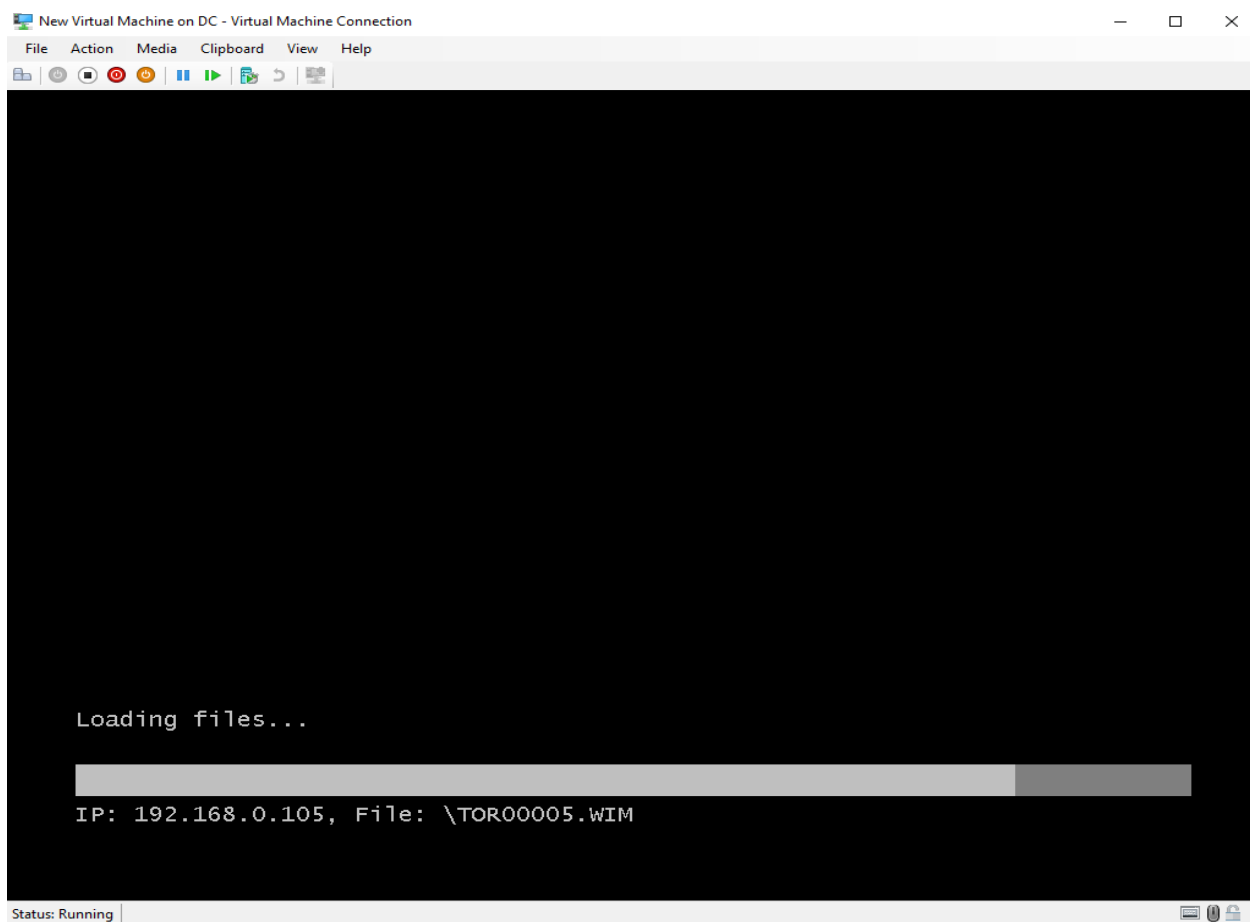
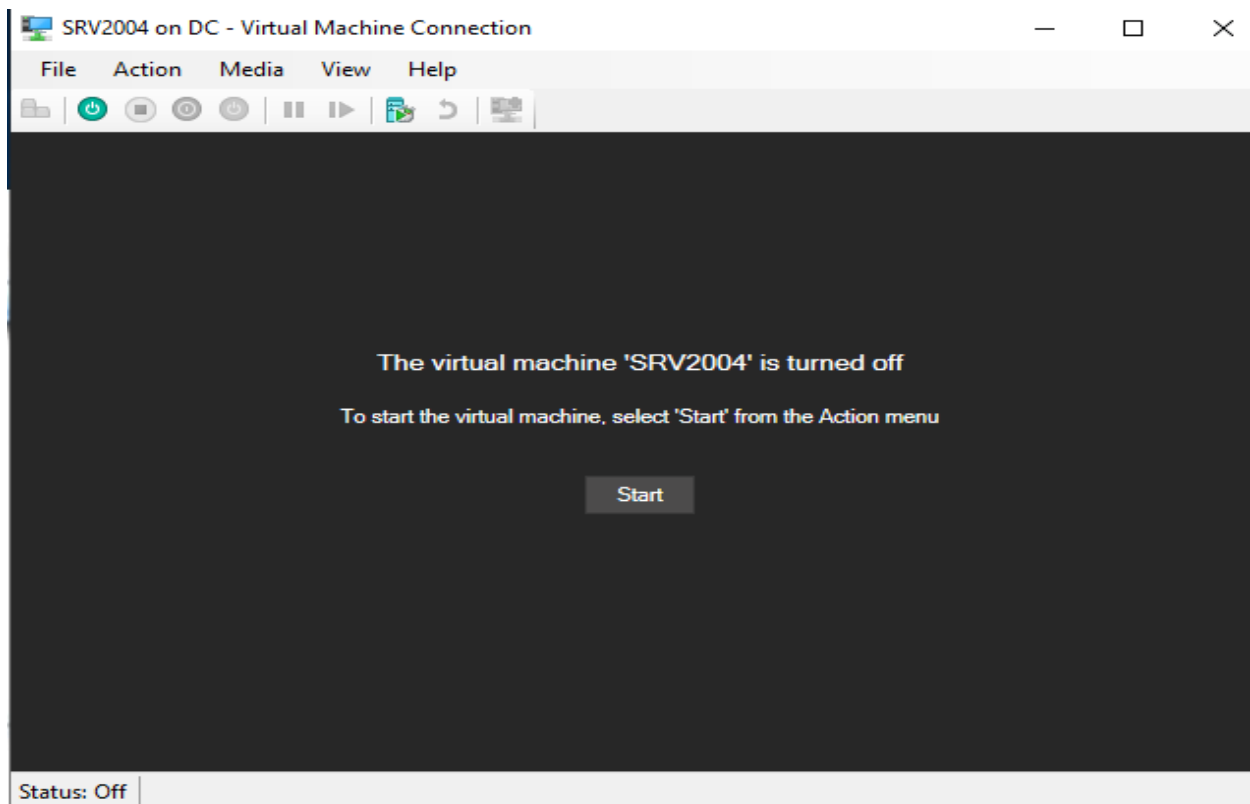
Value: Realtek PCIe GBE Family Controller - Virtual Switch

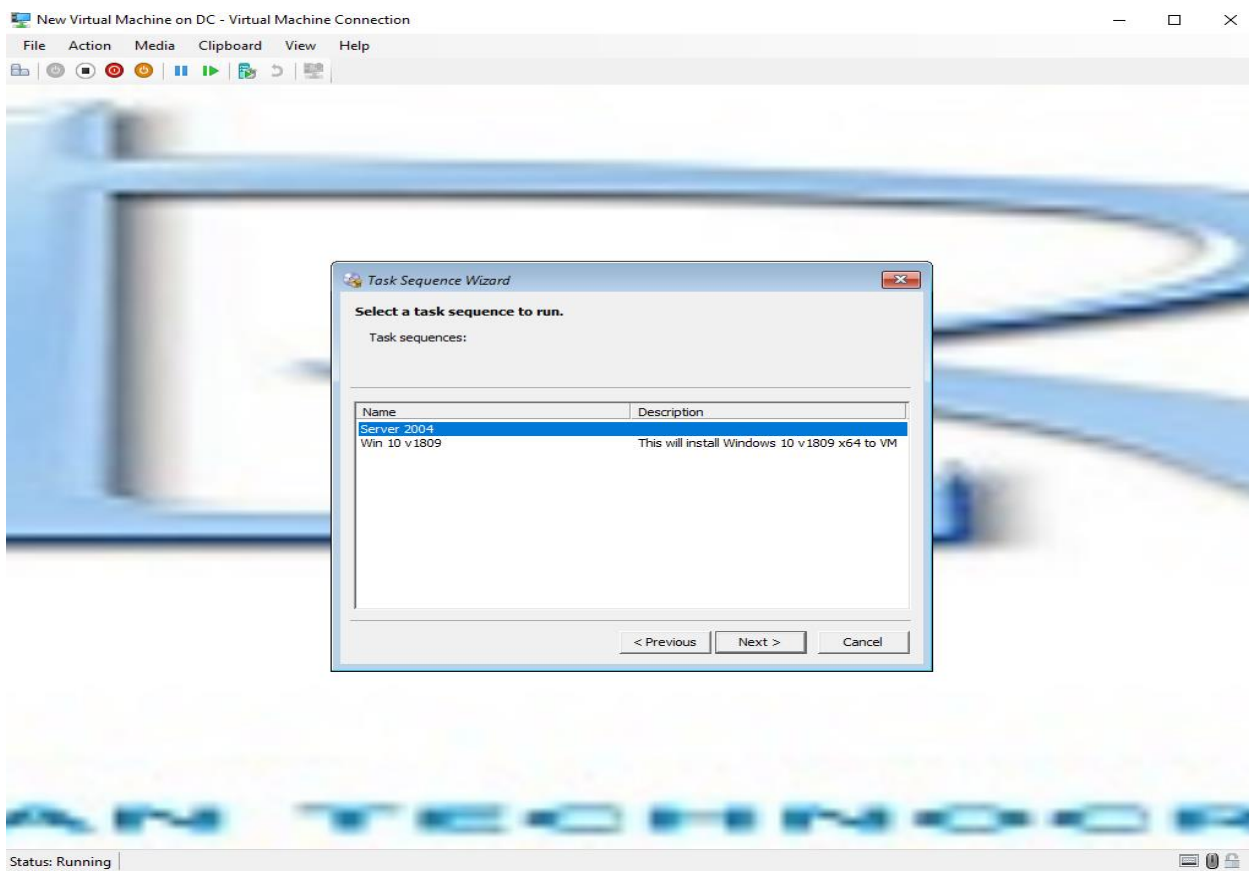
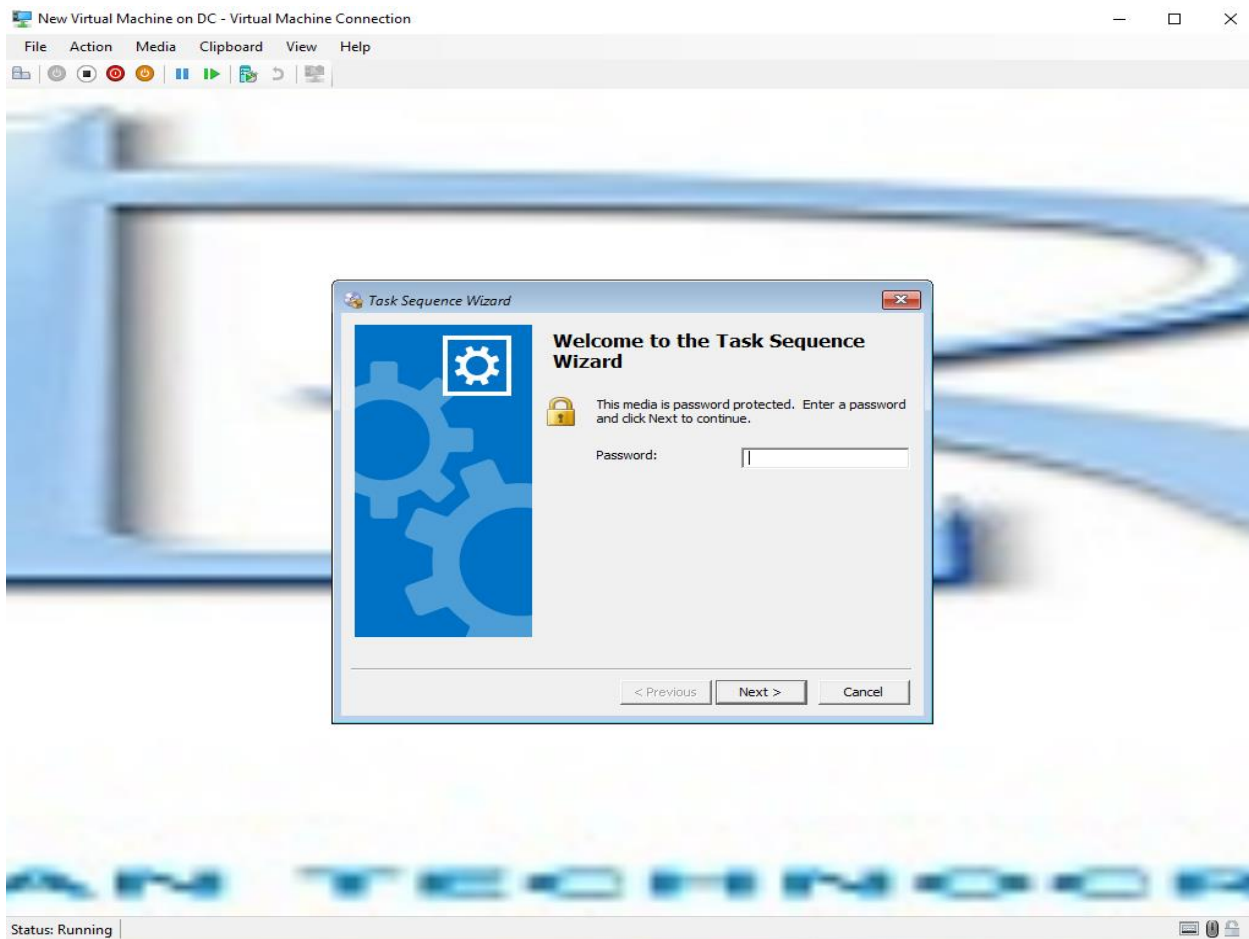
Firmware device path: AcpiEx(VMBus,0,0)/VenHw(9B17E5A2-0891-42DD-8653-80B5C22809BA,635161F83EDFC546913FF2D2F965ED0E6CF4DFB0AA08DF4EBE53D5FC5FBE3F3B)/MAC(000000000000)/MessagingPath

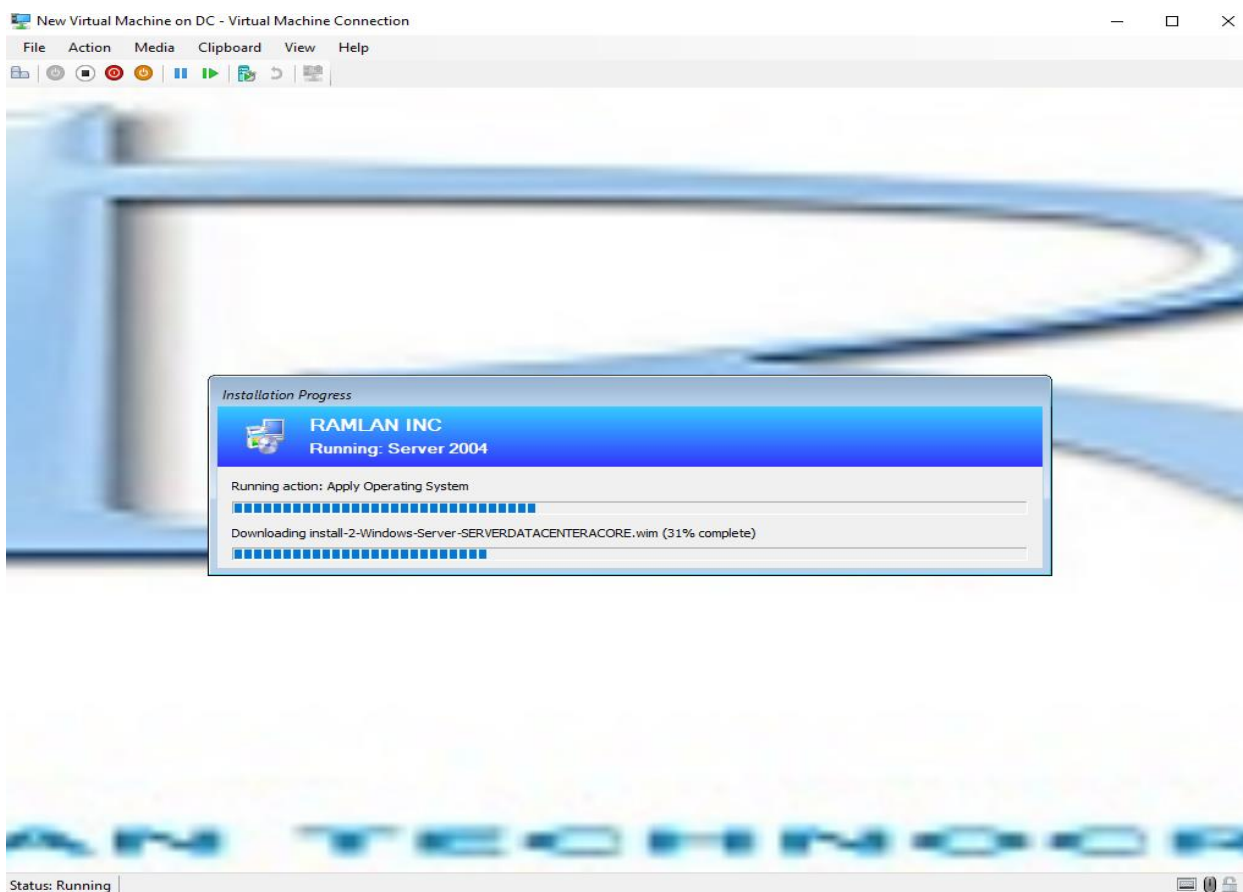
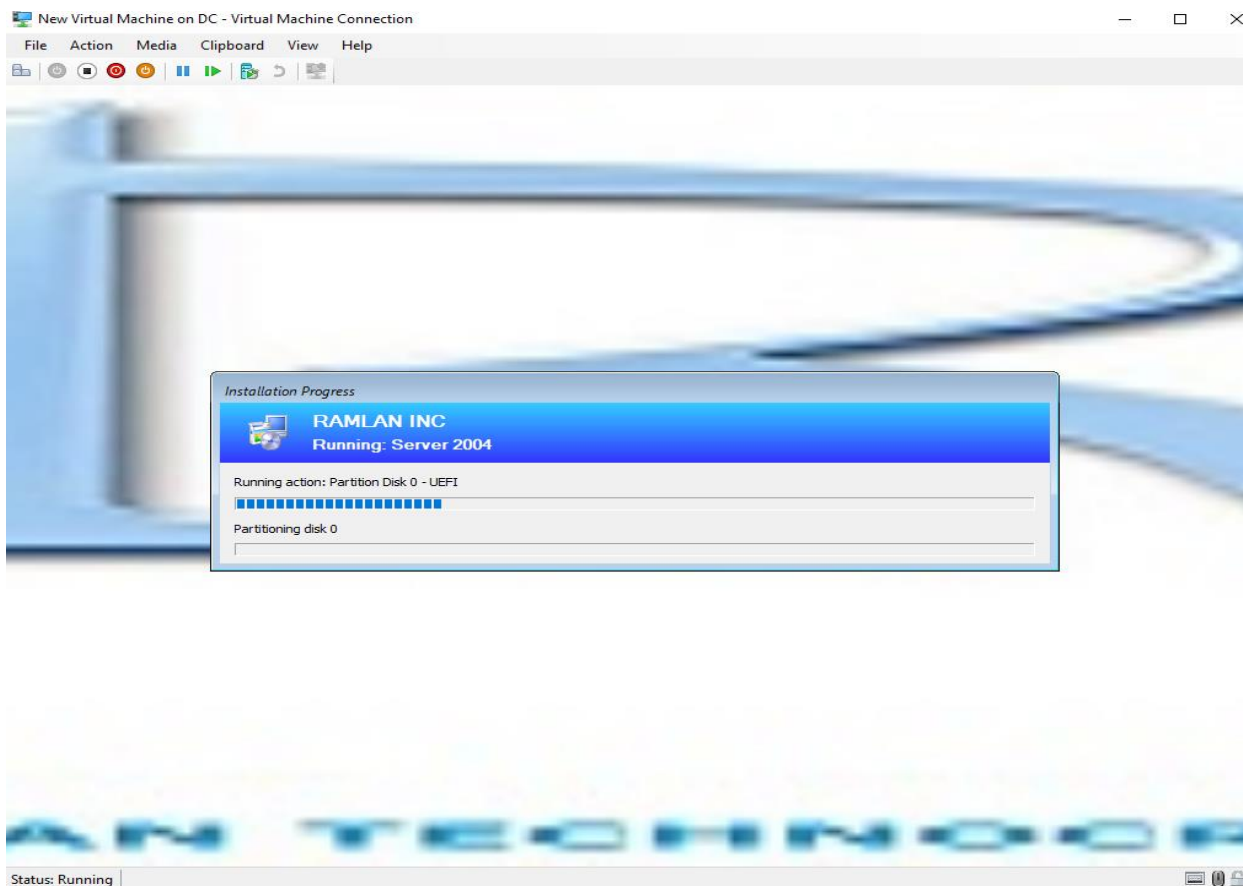
OK

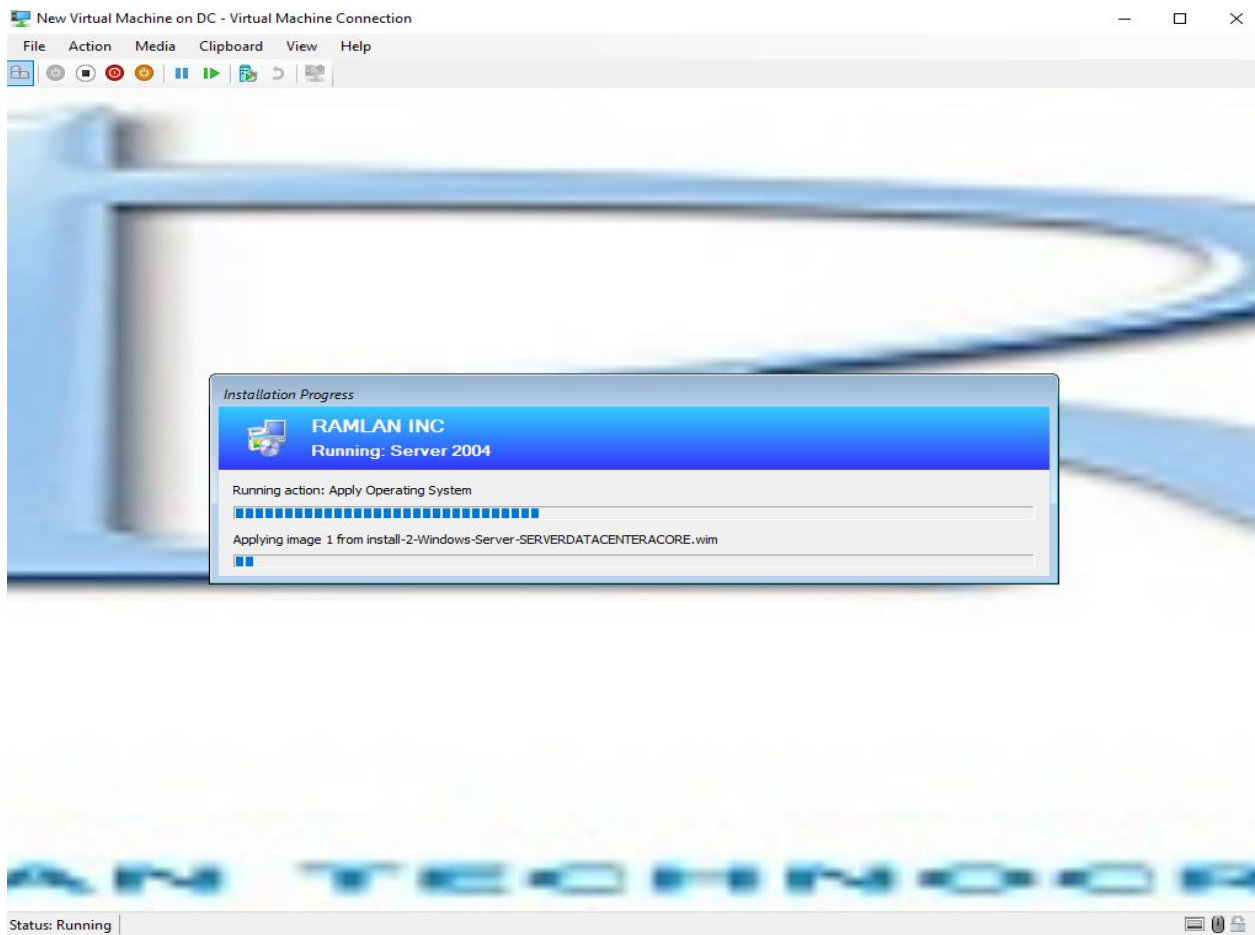
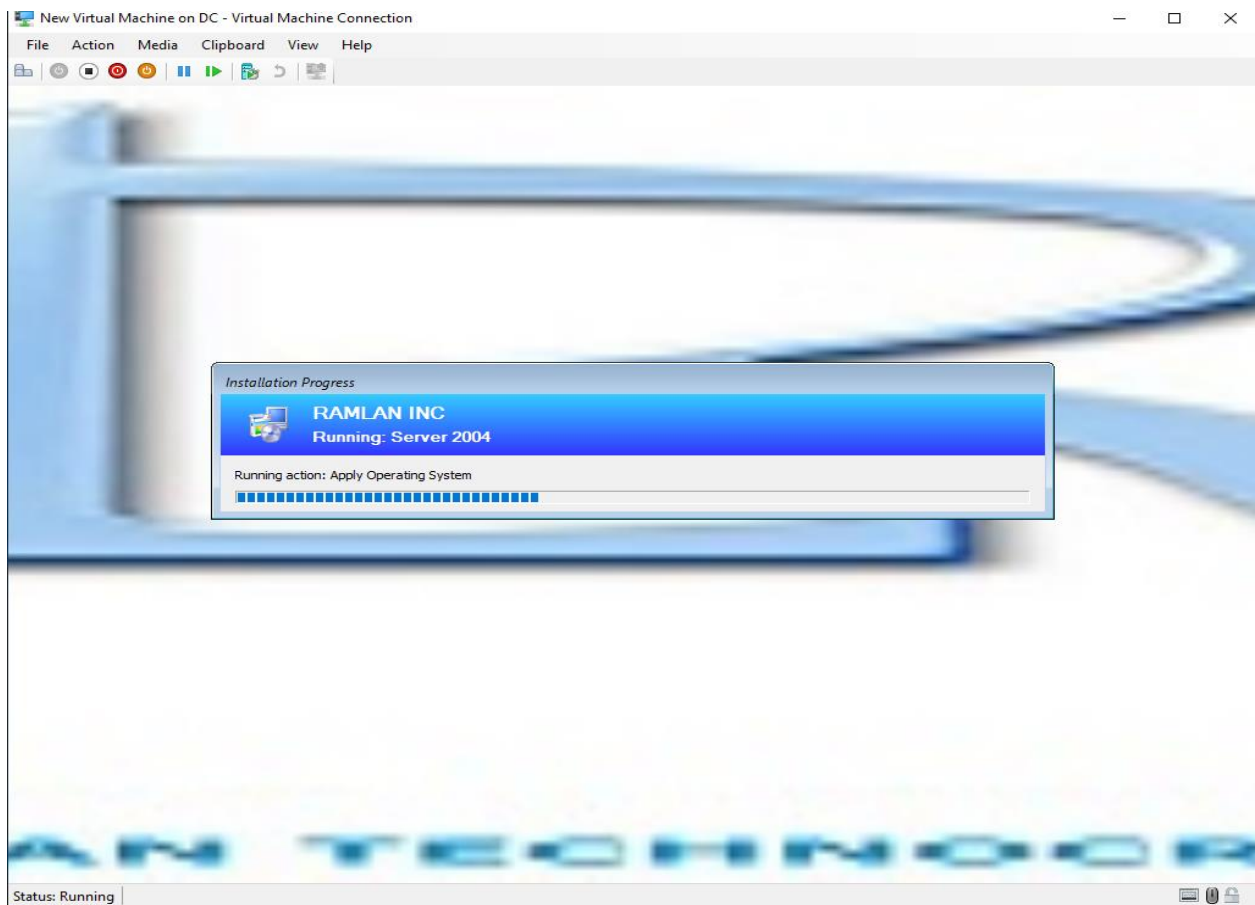
Cancel

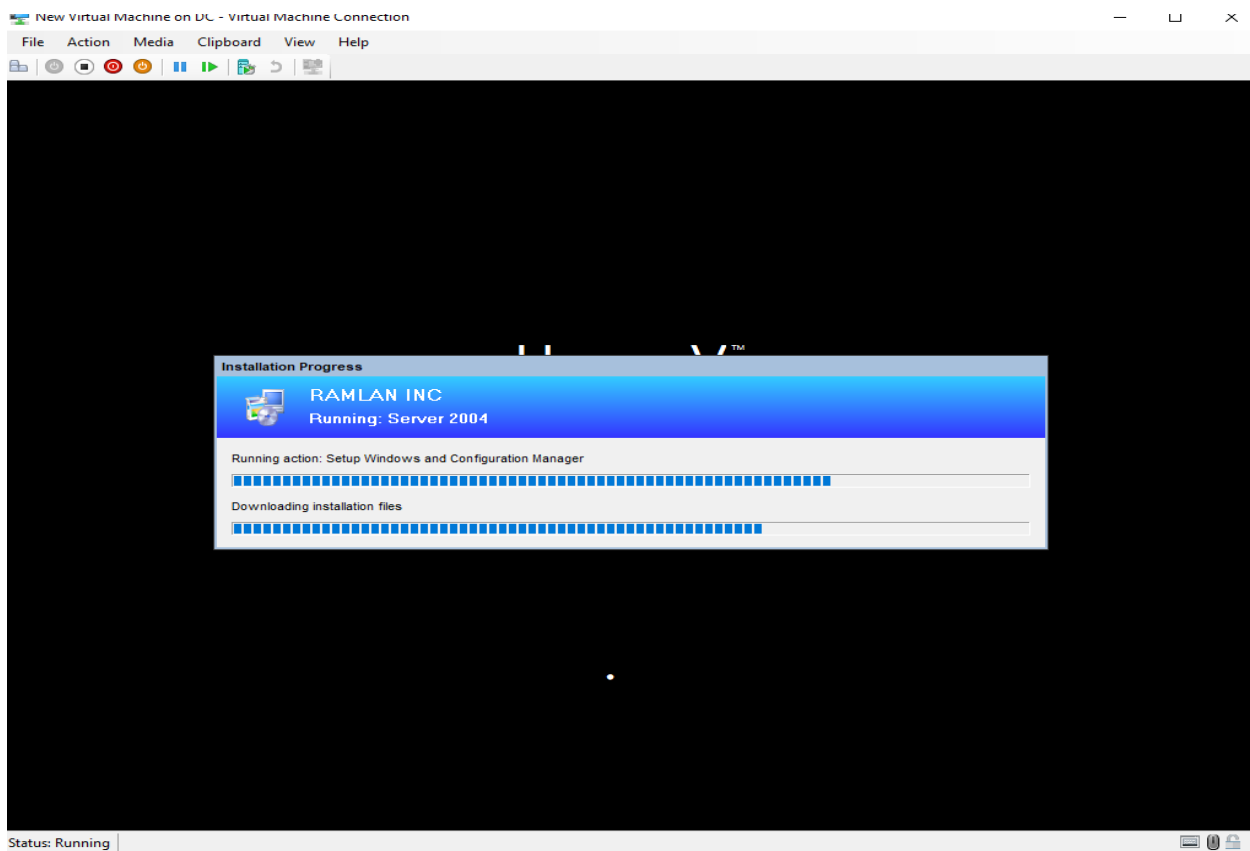
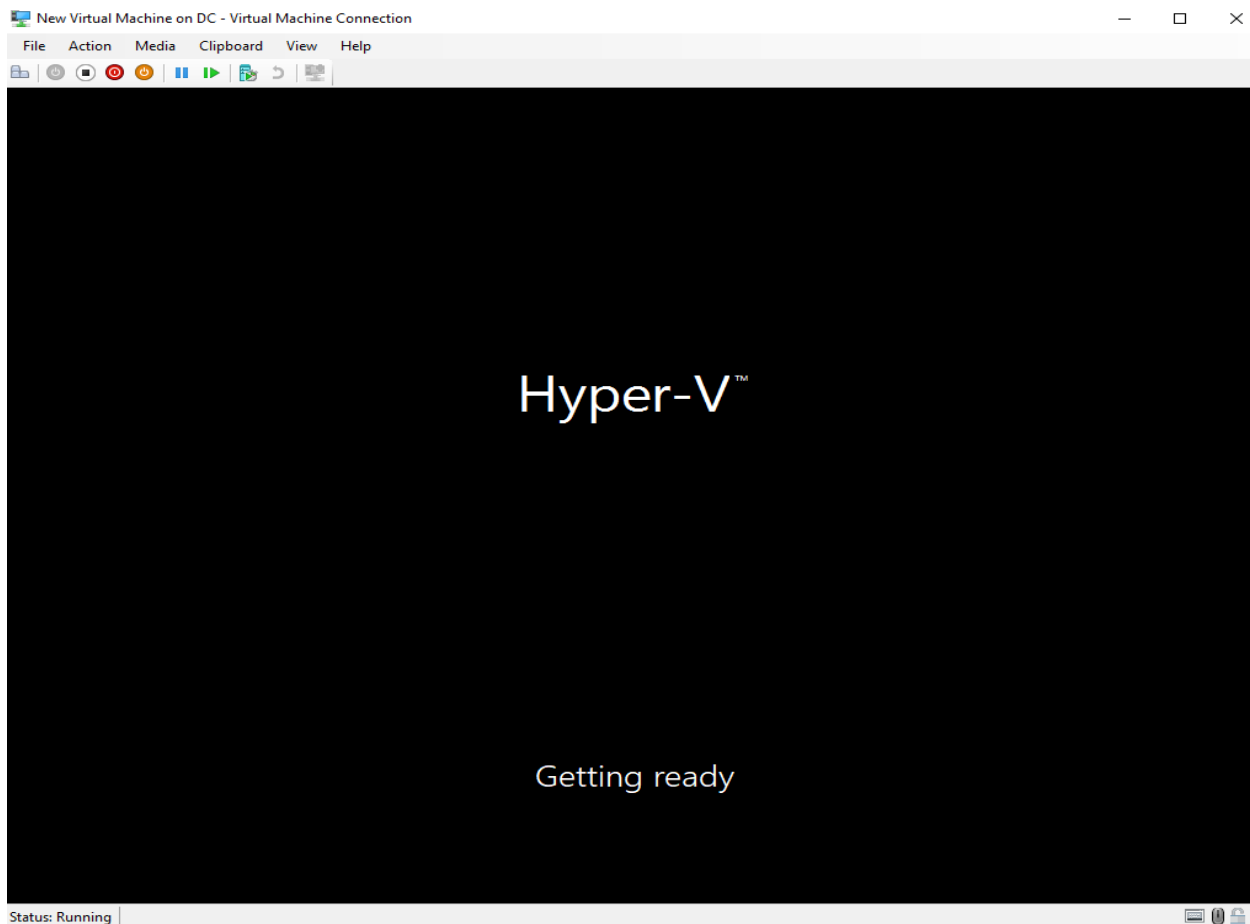
Apply

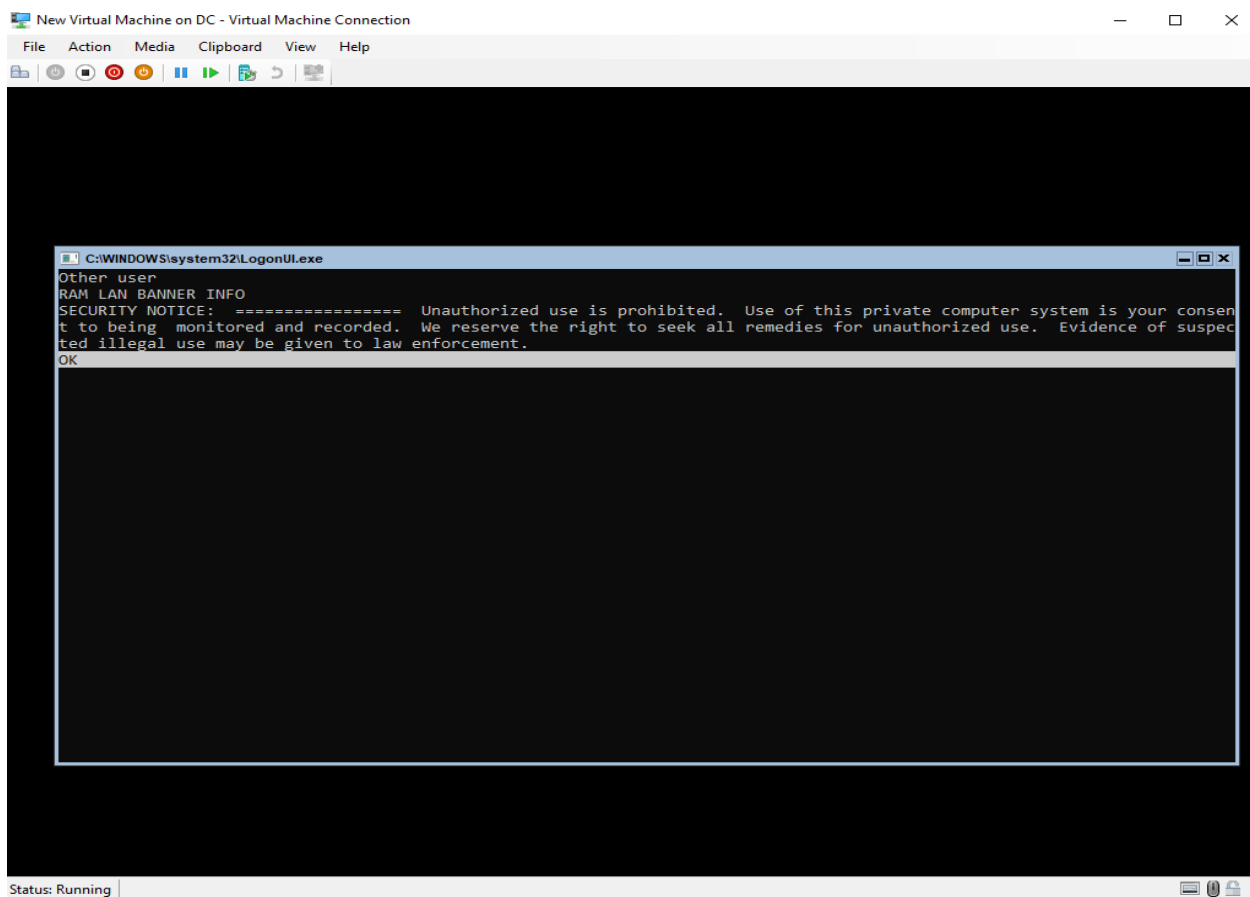
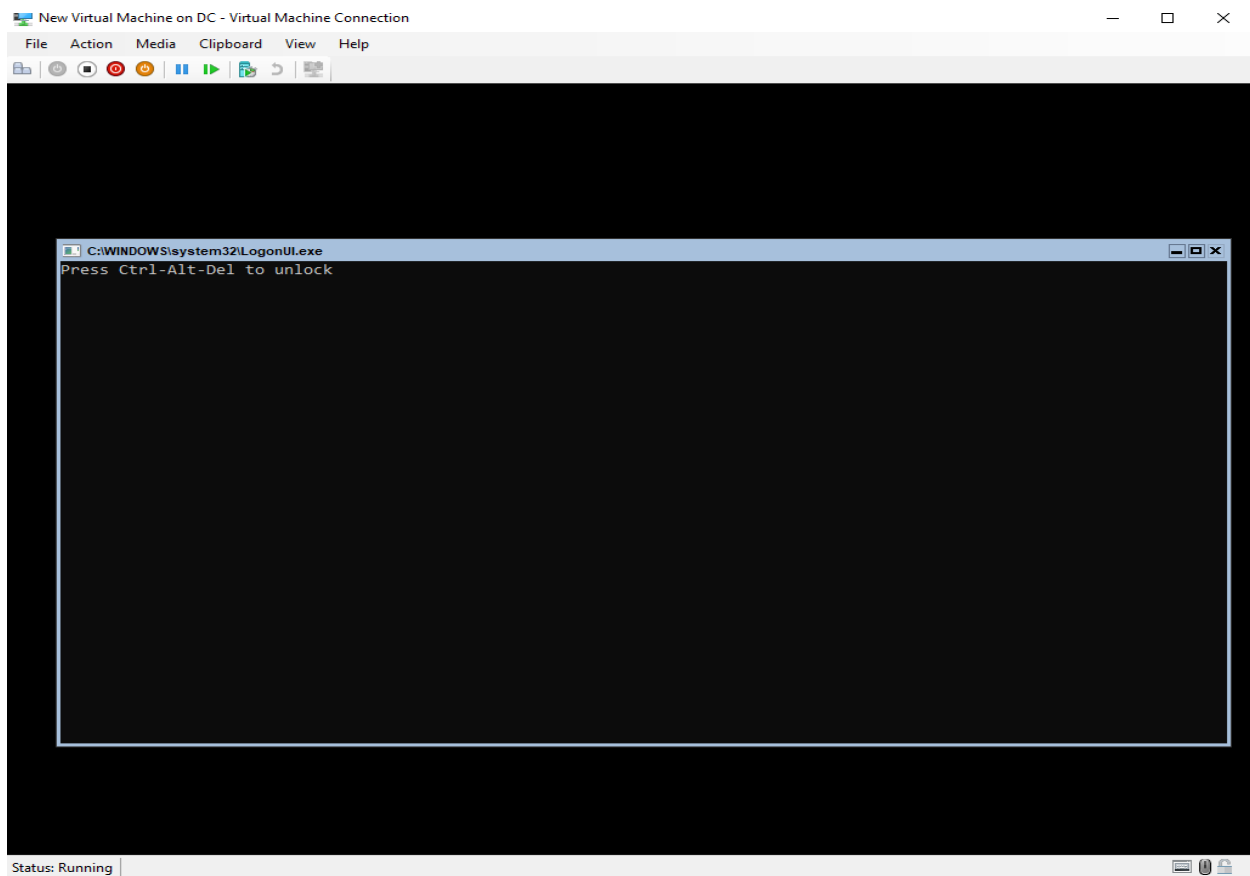


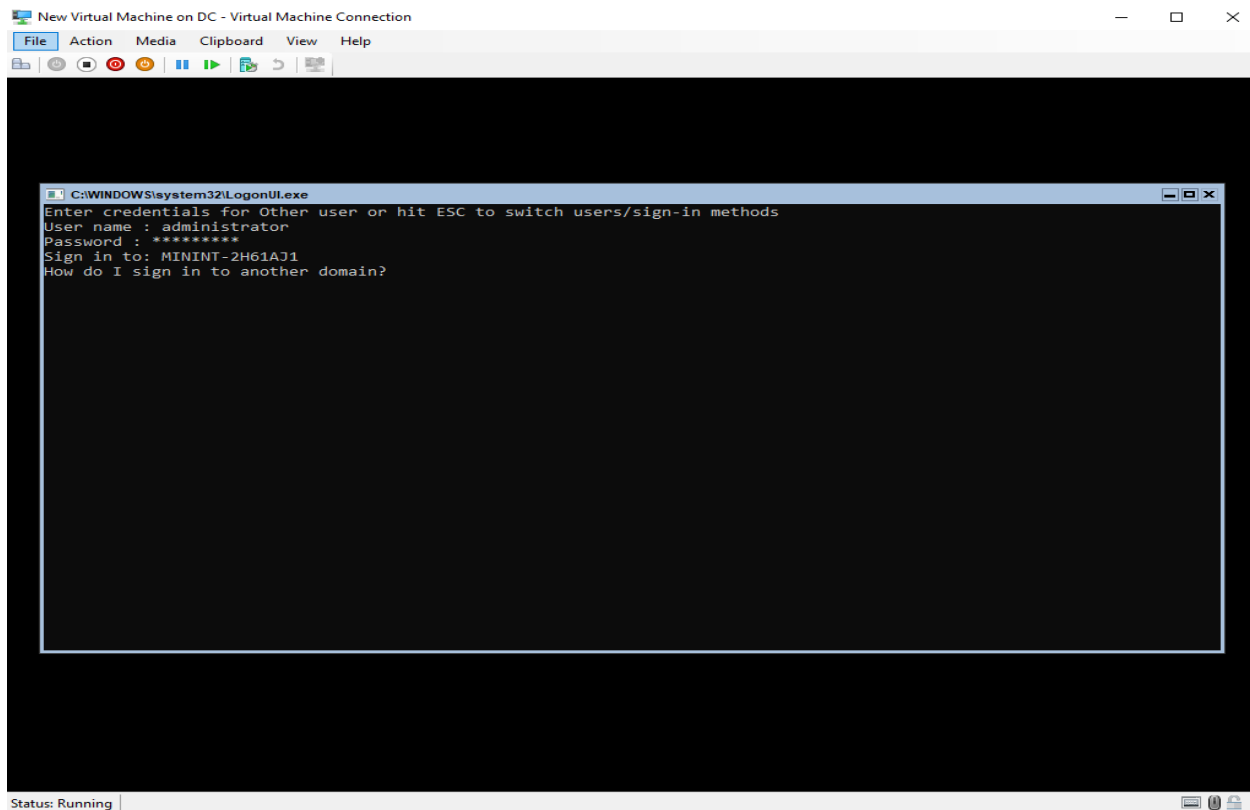




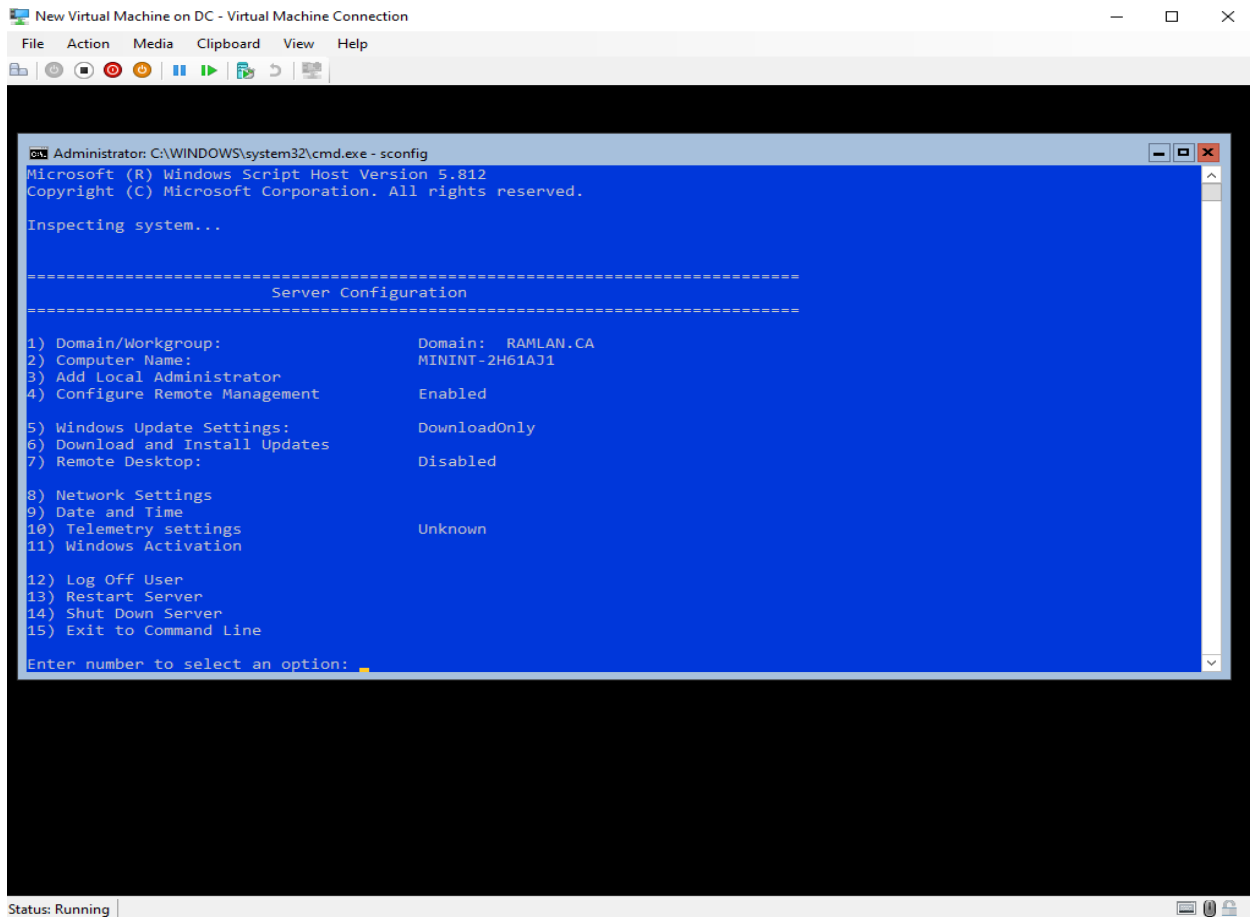


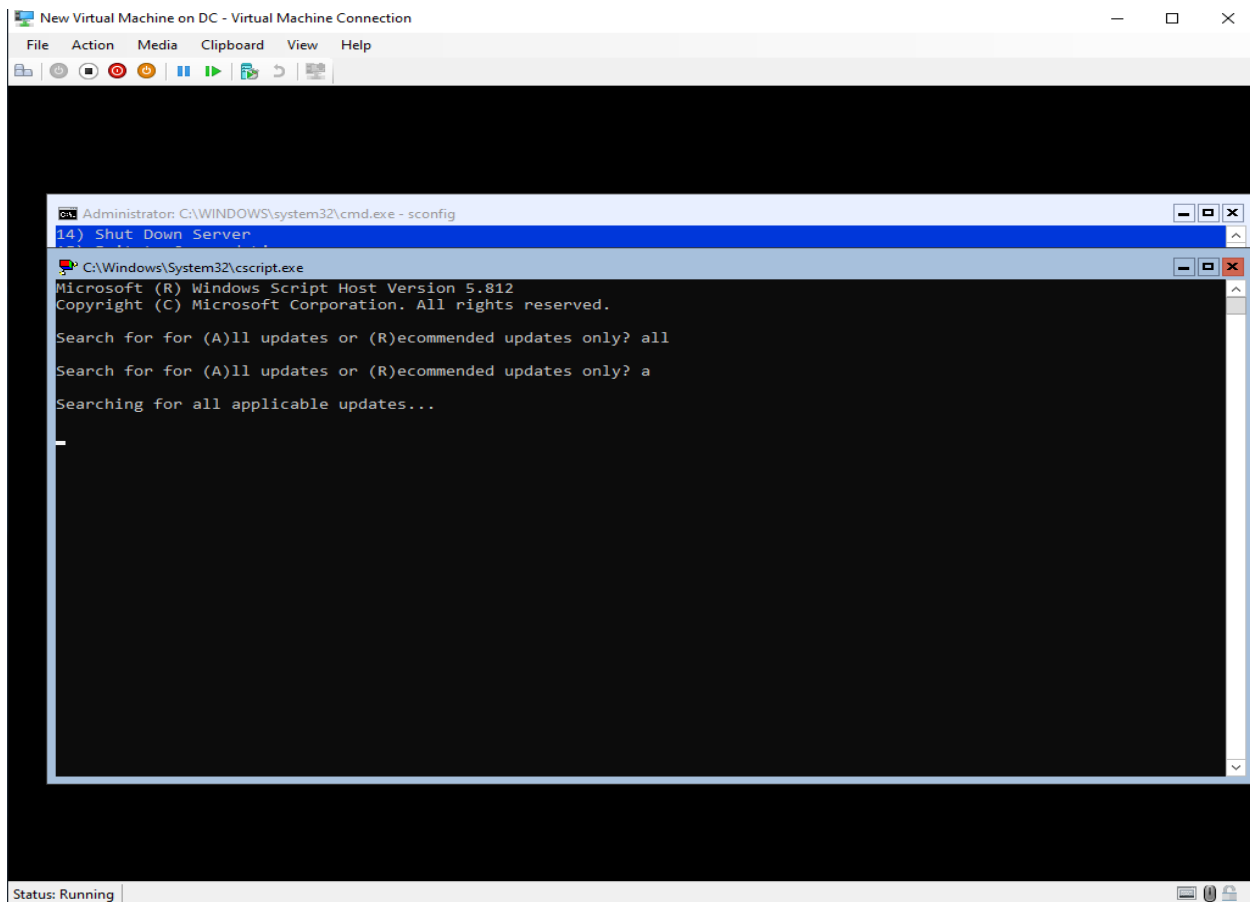
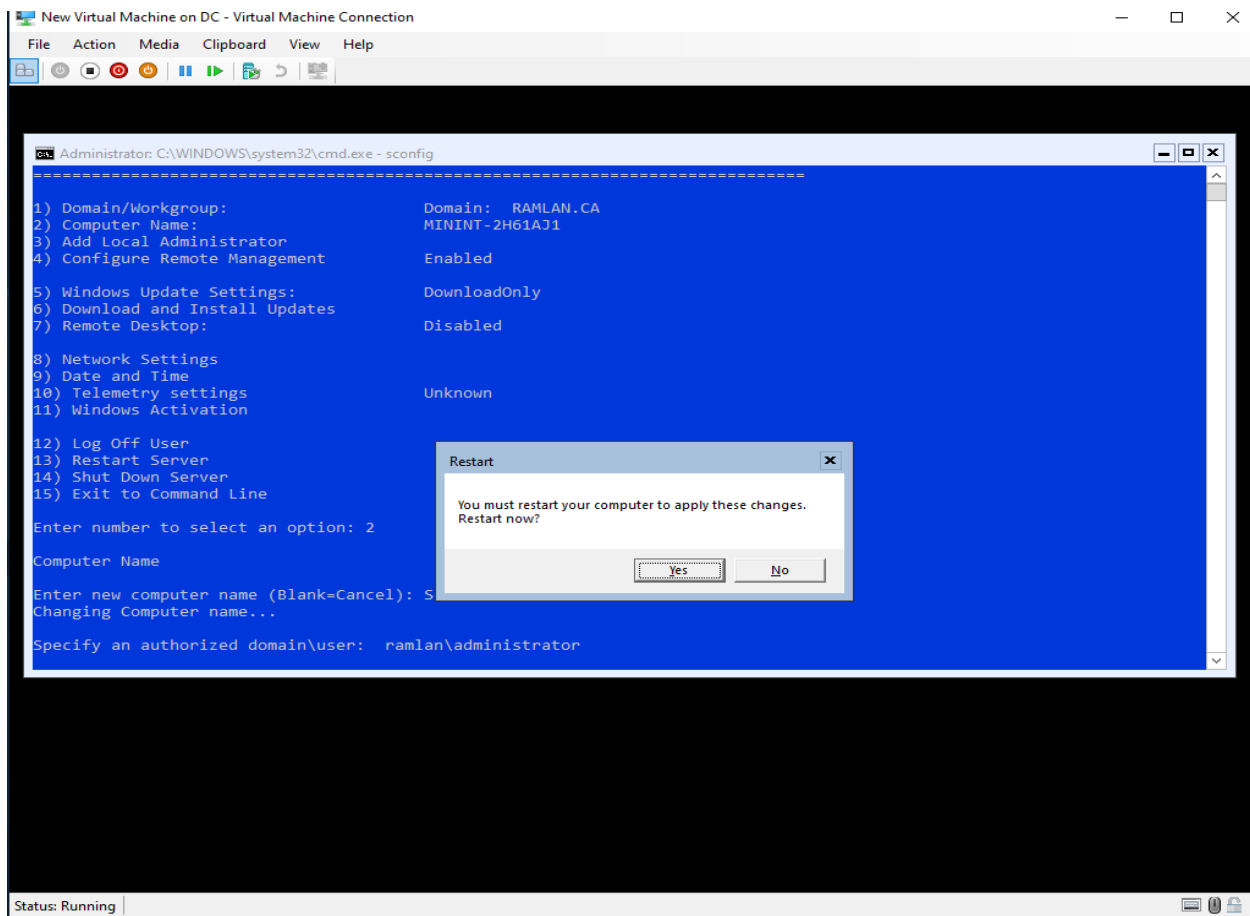


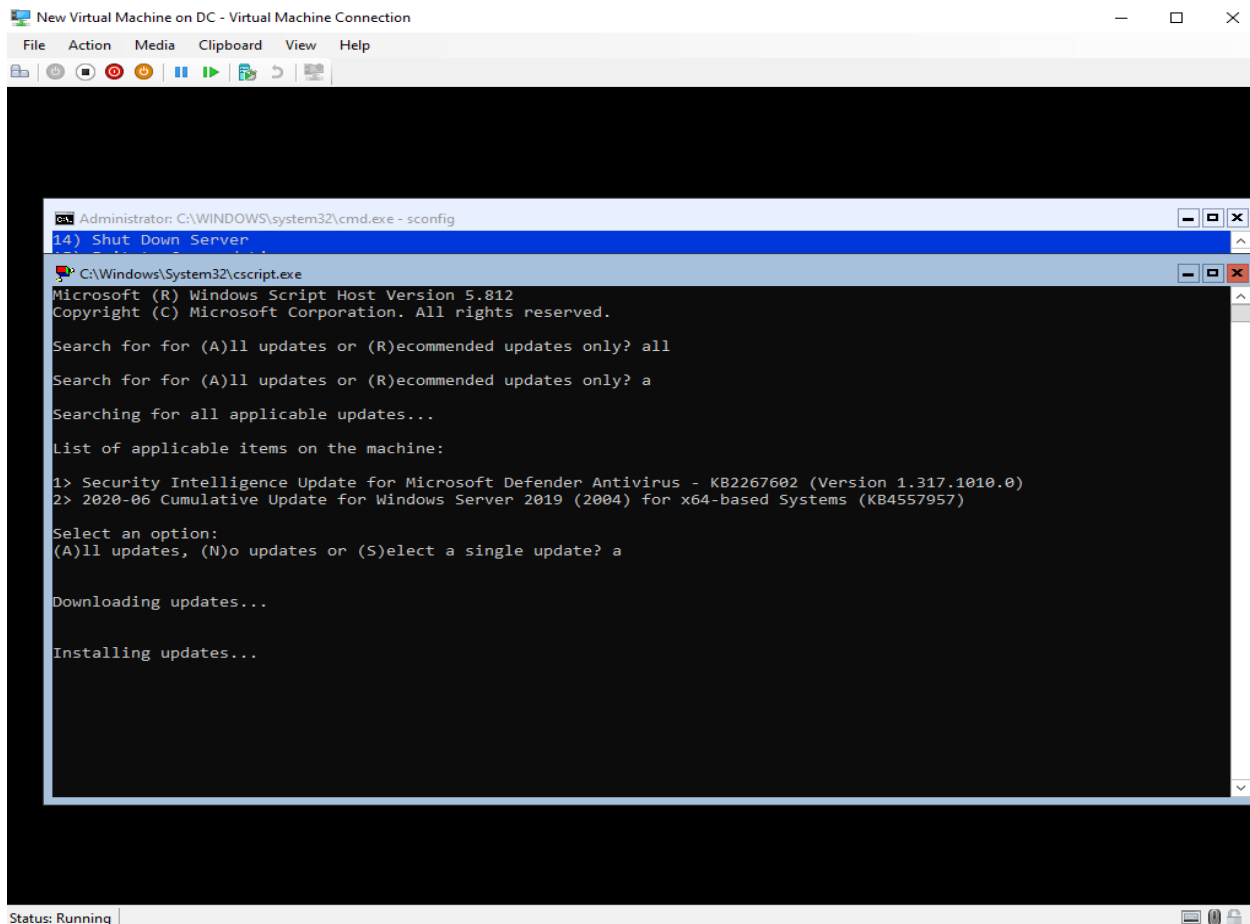
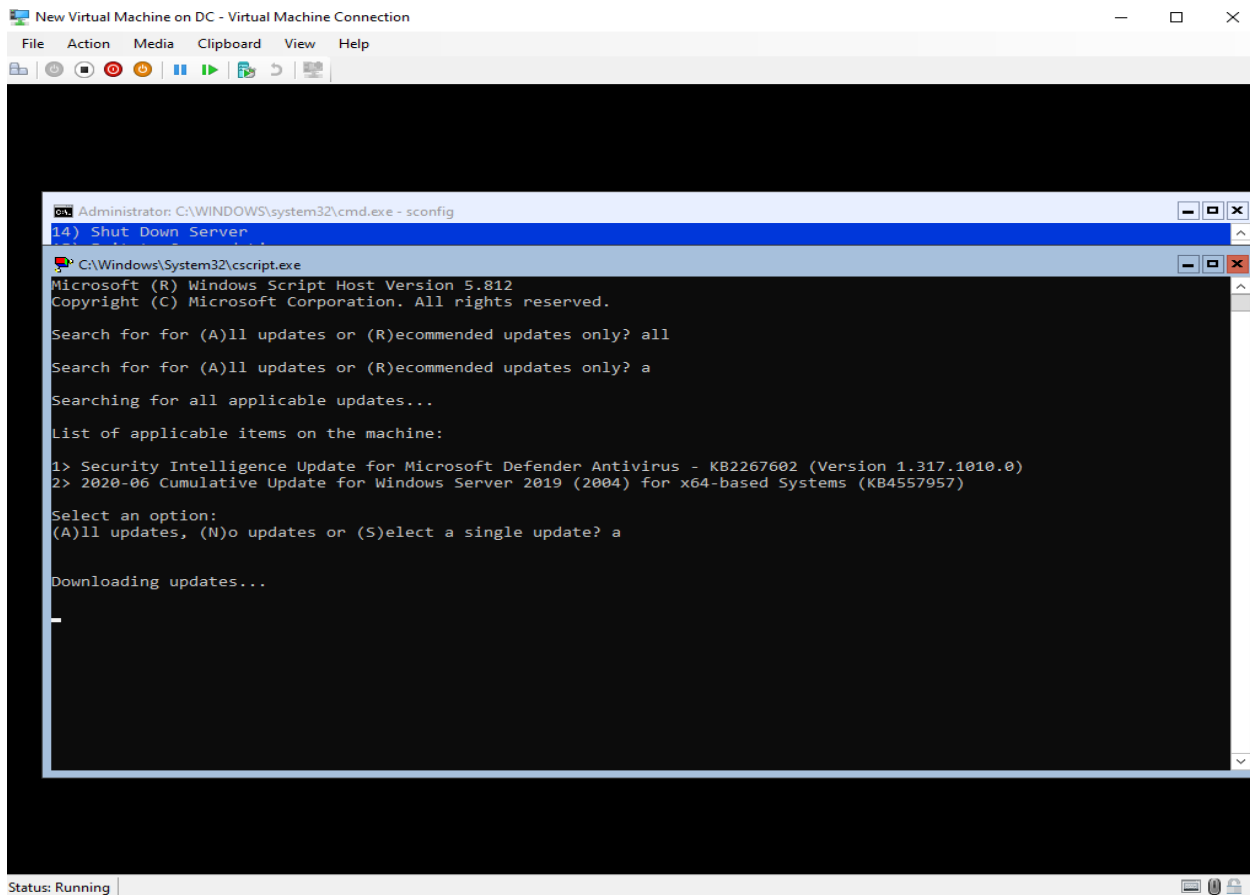


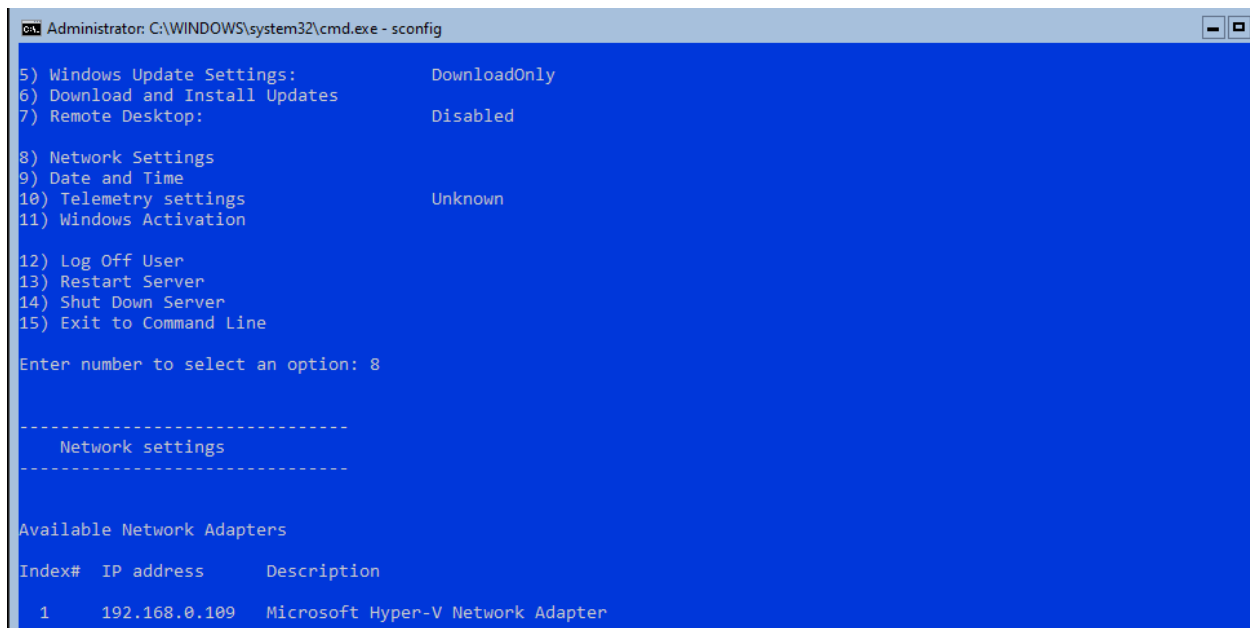
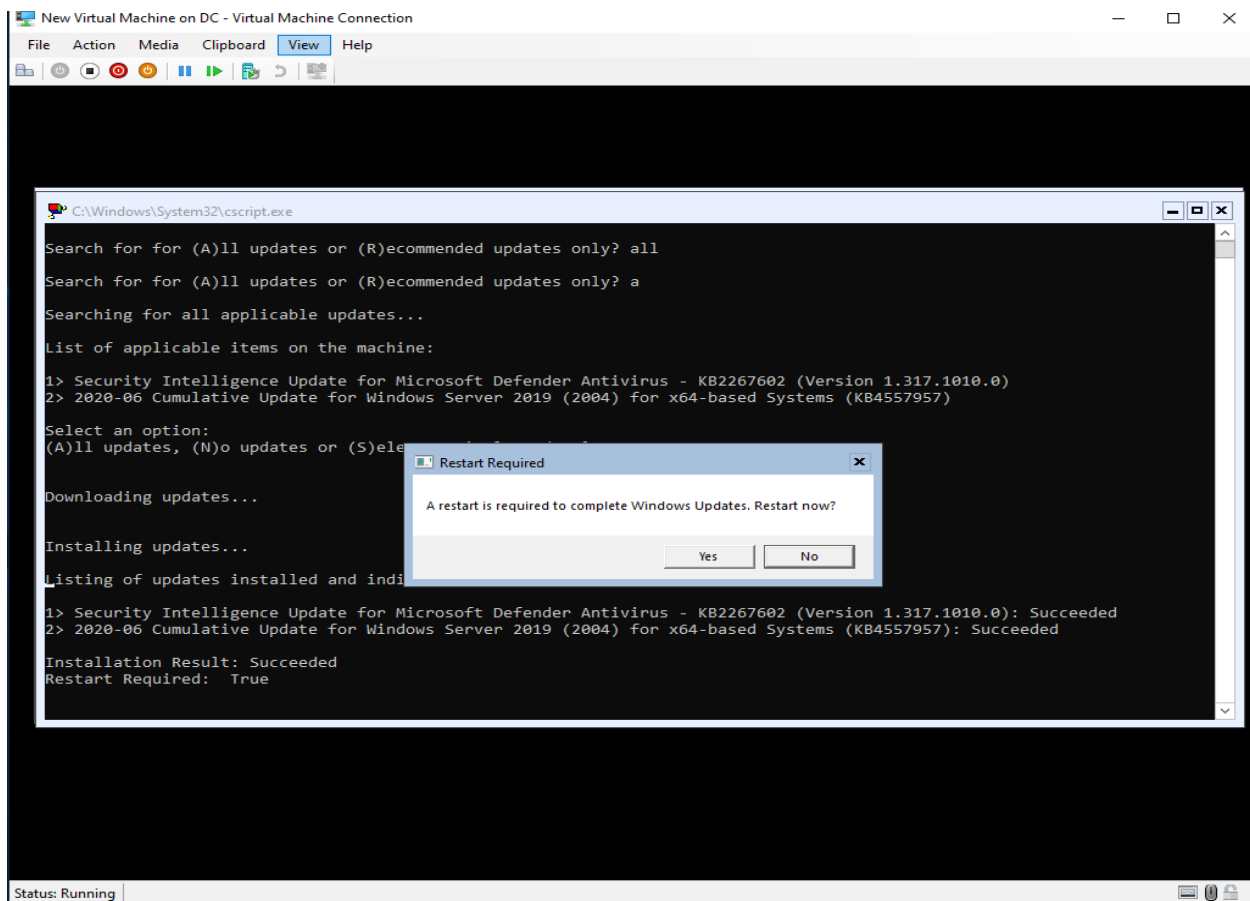


Now we will configure the server with correct computer name, time, date, rdp and other settings. At the command prompt type **SCONFIG** and select the required option.









For this exercise, I did install DP on Windows 10 and made it as my PXE server without WDS. I wanted to test the new feature in Current Branch 2002 where we can have PXE server without WDS.

I installed DP and Configured these options.

The screenshot shows the 'Distribution point Properties' dialog box with the 'Pull Distribution Point' tab selected. The 'General' sub-tab is active. The 'Description' field contains 'DP - Montreal'. The 'Enable and configure BranchCache for this distribution point' checkbox is checked. The 'Adjust the download speed to use the unused network bandwidth (Windows LEDBAT)' checkbox is unchecked. The 'Enable this distribution point for prestaged content' checkbox is unchecked. The 'Enable this distribution point to be used as Microsoft Connected Cache server' checkbox is unchecked. The 'Learn more' link is visible. The 'View Microsoft Connected Cache server License Terms' link is visible. The 'By checking this box, I acknowledge that I accept the License Terms.' checkbox is checked. The 'Select the drive and disk space to be used for cache location. If you select Automatic, Configuration Manager selects the drive that has the most free space.' text is present. The 'Local drive to be used:' dropdown is set to 'Automatic'. The 'Disk space:' dropdown is set to 'GB' and the '100' value is entered. The 'Retain cache when disabling the Connected Cache server' checkbox is unchecked. The 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

The screenshot shows the 'Distribution point Properties' dialog box with the 'Pull Distribution Point' tab selected. The 'PXE' sub-tab is active. The 'Specify how client computers or mobile devices communicate with this distribution point.' section has the 'HTTPS' radio button selected. The 'Does not support mobile devices or Mac computers.' text is present. The 'Allow clients to connect anonymously' checkbox is unchecked. The 'Requires computers to have a valid PKI client certificate.' text is present. The 'Allow intranet-only connections' dropdown is set to 'Allow intranet-only connections'. The 'If you manage Mac computers or have mobile devices that are enrolled by Configuration Manager, select an option that allows Internet client connections.' text is present. The 'Allow mobile devices to connect to this distribution point' checkbox is checked. The 'Create a self-signed certificate or import a PKI client certificate.' section has the 'Create self-signed certificate' radio button selected. The 'Set expiration date:' text is present. The '09-Jun -2119' date is entered. The '1:27 PM' time is entered. The 'Import certificate' radio button is selected. The 'Certificate:' text is present. The 'C:\Temp\DPCert.pfx' path is entered. The 'Browse...' button is visible. The 'Password:' text is present. The 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

Distribution point Properties

×

Rate LimitsPull Distribution Point

GeneralCommunicationPXE

MulticastGroup RelationshipsContentContent ValidationBoundary GroupsSchedule

☒ Enable PXE support for clients

Windows Deployment Services will be installed if required

☒ Allow this distribution point to respond to incoming PXE requests

☒ Enable unknown computer support

☒ Enable a PXE responder without Windows Deployment Service

☒ Require a password when computers use PXE

Password:

••••••••

Confirm password:

••••••••

User device affinity:

Do not use user device affinity

Network interfaces

☒ Respond to PXE requests on all network interfaces

☐ Respond to PXE requests on specific network interfaces

Specify the PXE server response delay (seconds):

0

OK

Cancel

Apply

Distribution point Properties

×

Rate LimitsPull Distribution Point

GeneralCommunicationPXE

MulticastGroup RelationshipsContentContent ValidationBoundary GroupsSchedule

You can associate a site system role to a boundary group.

During content deployment, clients in a boundary group that is associated with this site system will use it as a source location for content.

Boundary groups:

Filter...

Name	Description
Toronto	

Create...

Add...

Remove

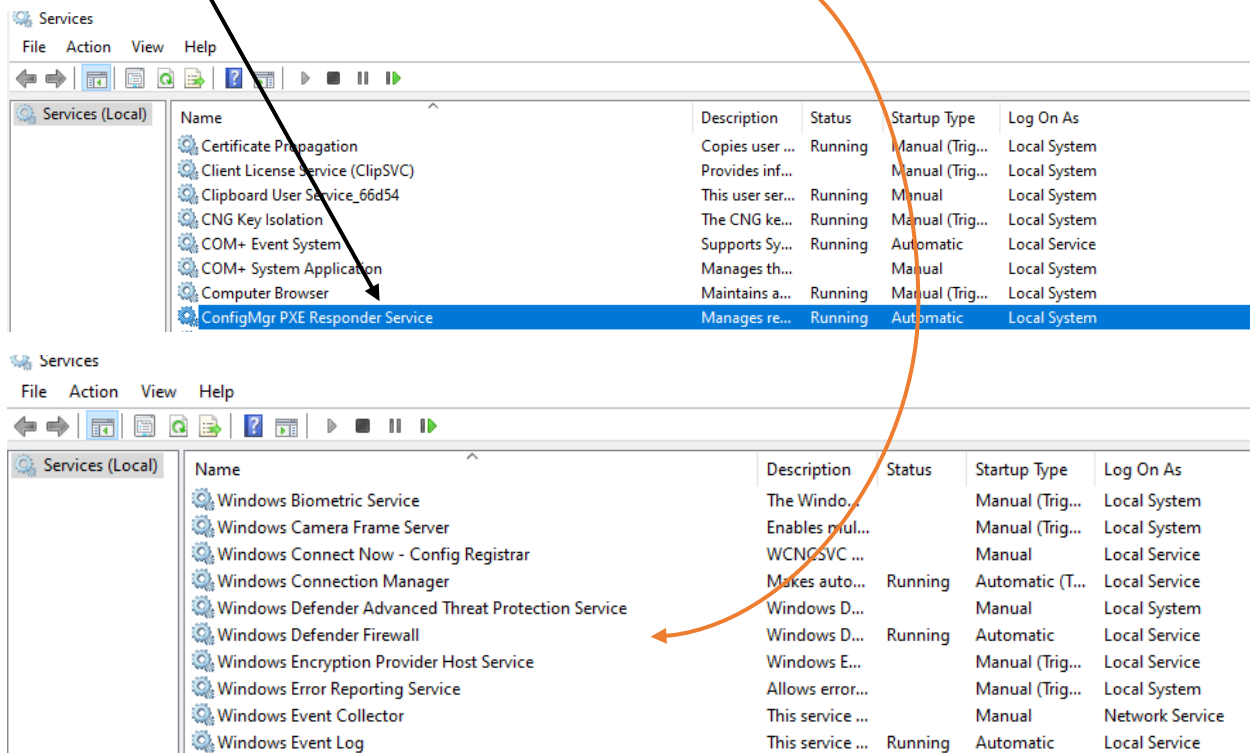
☐ Enable for on-demand distribution

OK

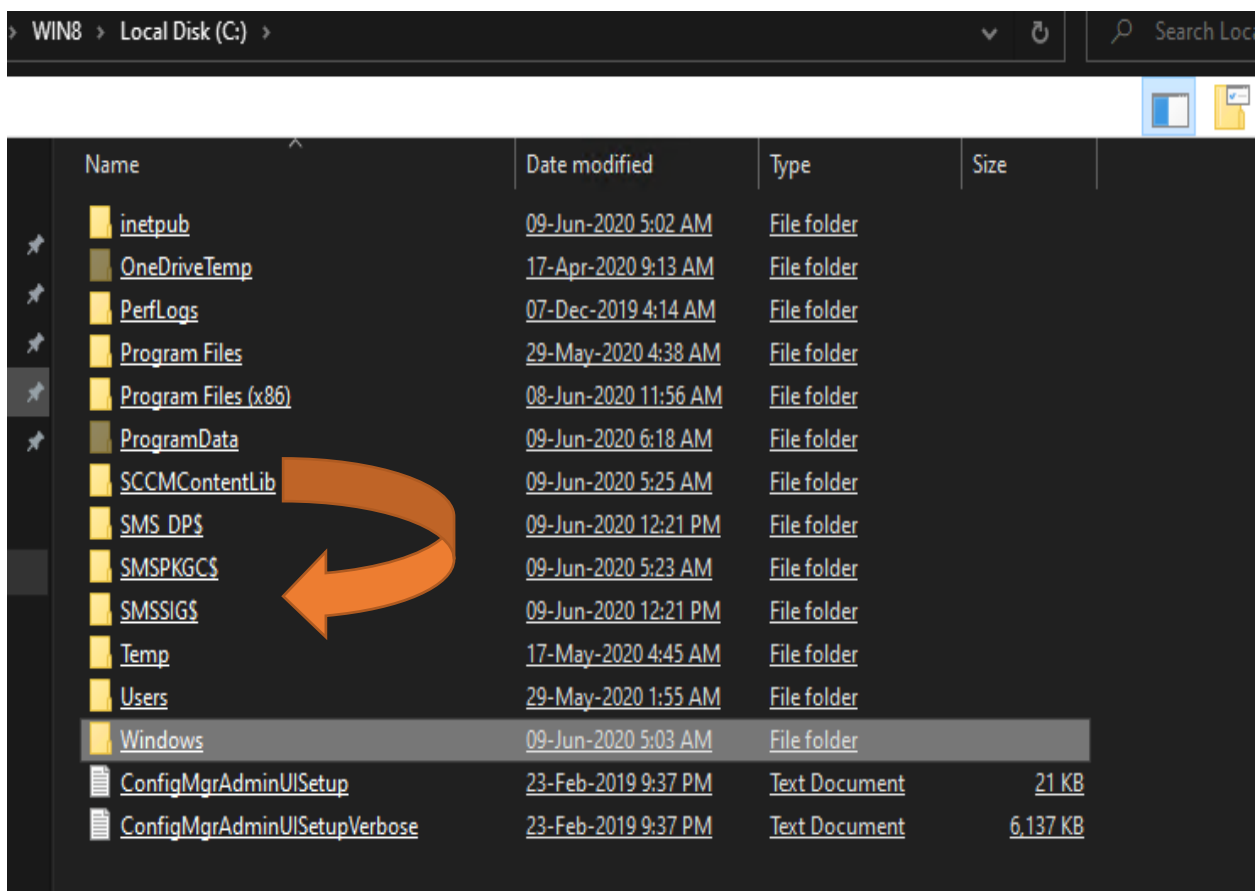
Cancel

Apply

Now we have PXE service running on Windows 10 and no WDS.



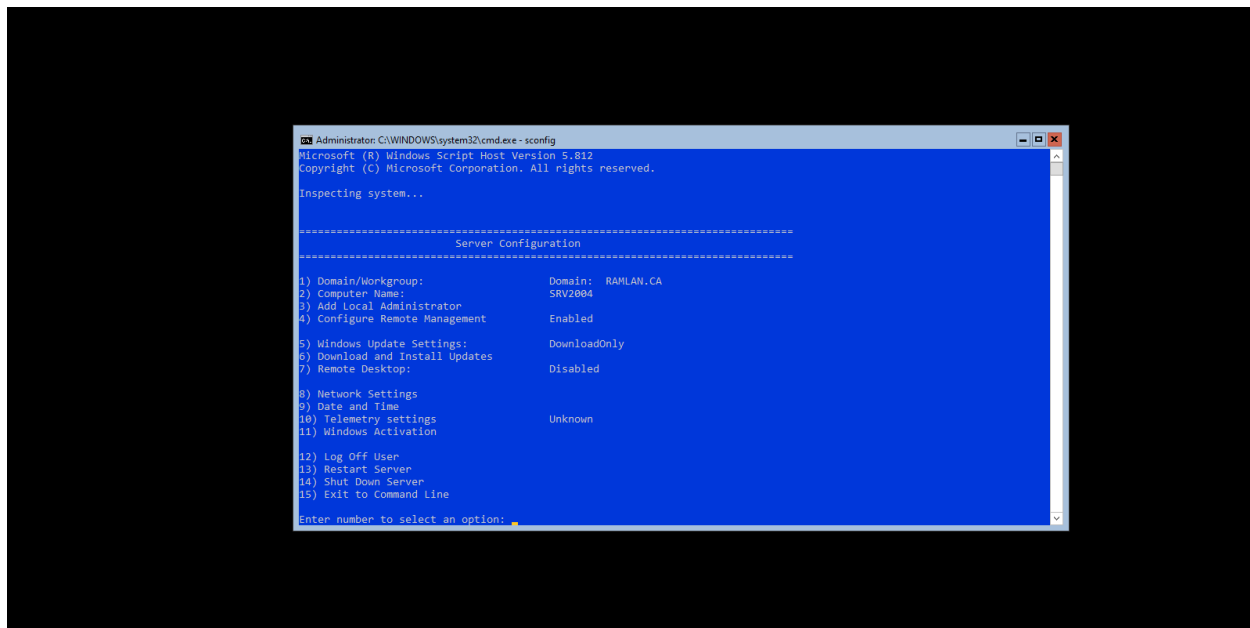
These are the folders you will see when you install DP with PXE and without WDS.



This is the log you can look for any issue with PXE.

Configuration Manager Trace Log Tool - [C:\SMS_DPS\sms\logs\SMSPXE.log]			
File Tools Window Help			
Log Text	Component	Date/Time	Thread
TFTP: 192.168.0.109: request for SMSBoot\TOR00005\boot.sdi.	SCCMPXE	09-Jun-2020 12:46:51	3436 (0xD6C)
TFTP: 192.168.0.109: sending SMSBoot\TOR00005\boot.sdi, -1, 1456, 0.	SCCMPXE	09-Jun-2020 12:46:51	3436 (0xD6C)
TFTP: TCount=1.	SCCMPXE	09-Jun-2020 12:46:51	3928 (0xF58)
TFTP: 192.168.0.109: end of file. 3170304.	SCCMPXE	09-Jun-2020 12:46:52	3928 (0xF58)
TFTP: FCount=0.	SCCMPXE	09-Jun-2020 12:46:52	3928 (0xF58)
TFTP: 192.168.0.109: connected.	SCCMPXE	09-Jun-2020 12:46:52	3436 (0xD6C)
TFTP: 192.168.0.109: request for TOR00005.WIM.	SCCMPXE	09-Jun-2020 12:46:52	3436 (0xD6C)
TFTP: 192.168.0.109: redirected to C:\SCCMContentLib\FileLib\6CB6\6CB63EDBD94AC13FA8DADD1987FBD082400A3F483EB9D75424926A14AFB78C0B.	SCCMPXE	09-Jun-2020 12:46:52	3436 (0xD6C)
TFTP: 192.168.0.109: sending TOR00005.WIM, -1, 1456, 0.	SCCMPXE	09-Jun-2020 12:46:52	3436 (0xD6C)
TFTP: TCount=1.	SCCMPXE	09-Jun-2020 12:46:52	8080 (0x1F90)
TFTP: 192.168.0.109: end of file. 432502858.	SCCMPXE	09-Jun-2020 12:49:44	8080 (0x1F90)
TFTP: FCount=0.	SCCMPXE	09-Jun-2020 12:49:44	8080 (0x1F90)
TFTP: 192.168.0.109: connected.	SCCMPXE	09-Jun-2020 12:49:44	3436 (0xD6C)
TFTP: 192.168.0.109: request for EFI\Microsoft\Boot\Policies\UnlockToken.pol.	SCCMPXE	09-Jun-2020 12:49:44	3436 (0xD6C)
TFTP: 192.168.0.109: connected.	SCCMPXE	09-Jun-2020 12:49:54	3436 (0xD6C)
TFTP: 192.168.0.109: request for SMSTemp\0000000002.var.	SCCMPXE	09-Jun-2020 12:49:54	3436 (0xD6C)
TFTP: 192.168.0.109: sending SMSTemp\0000000002.var, -1, -1, -1.	SCCMPXE	09-Jun-2020 12:49:54	3436 (0xD6C)
TFTP: TCount=1.	SCCMPXE	09-Jun-2020 12:49:54	5268 (0x1494)
TFTP: 192.168.0.109: end of file. 25658.	SCCMPXE	09-Jun-2020 12:49:54	5268 (0x1494)
TFTP: FCount=0.	SCCMPXE	09-Jun-2020 12:49:54	5268 (0x1494)
Date/Time: 09-Jun-2020 12:26:57 PM Component: SCCMPXE			
Thread: 2524 (0x9DC) Source: mp.cpp:48			

Tested RDP on the core server 2004. Here it is...



With this we have setup Windows Server 2004 Core as a virtual machine.

Thanks

Ram Lan
9th Jun 2020