Adding a Hard Drive to a Windows Server

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The My Computer Window

When we build an RIS server, we need as separate partition or hard drive to hold the operating system images. After we place the new drive in the server, we cannot see the volume in the My Computer window. We need to first go to the Computer Management window and setup the new drive.

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Name	Туре	Total Size	Free Space	Comments
Hard Disk Drives				
≪Local Disk (C:)	Local Disk	8.35 GB	2.42 GB	
Devices with Dee	aughla Chausan			
Devices with Rem	iovable Scorage			
4:) 🖏 3½ Floppy	31⁄2-Inch Floppy Disk			
🥝 CD Drive (D:)	CD Drive			
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The Computer Management Window

When we add a new drive the volume will show up in the Computer Management window unformatted. We need to fix this by right clicking in the volume and starting the New Partition Wizard.

📙 Computer Management											
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📃 Computer Management (Local)	Volume La	ayout	Туре	File System	Status	Capacity	Free Space	% Free	Fault Toleranc	e Overhead	
🖻 🌇 System Tools	Pa Pa	artition	Basic		Healthy (Active)	8.36 GB	8.36 GB	100 %	No	0%	
Event Viewer	🖃 (C:) 🛛 Pa	artition	Basic	NTES	Healthy (Boot)	8.36 GB	2.44 GB	29 %	No	0%	
	⊡ N Pa	artition	Basic	NTES	Healthy	16.87	16.80 GB	99 %	No	0%	
Performance Logs and Alert:											
Device Manager											
🖻 🚈 Storage											
E 🔐 Removable Storage											
Disk Detragmenter											
Services and Applications											
	<u> </u>										
	🖓 Disk 0)									
	Basic 8.36 GB		(C:)								
	Online		Healt	hy (Boot)							
	Basic	L									
	8.36 GB		8.36	GB							
	Online		Healt	hy (Active)							
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	Basic	-	New	Volume (E:)							
	16.87 GB		16.87	GB NTFS							
			Пеац								
	🔤 CD-RC	DM 0									
	CD-ROM (E	D:)									
	No Media										
	Primary I	partition									

New Partition

The wizard we take us through several steps to label, size and format the new drive. We press the Next button to go forward.



Select Partition Type

We have two choices, primary or extended partition. A primary partition will be a separate volume containing its own letter path. An extended partition can be added to a previous drive volume. We are going to use this separate drive for RIS images, so we select the primary partition and the Next button to continue.

ew Partition Wizard	×
Select Partition Type There are three types of partitions: primary, extended, and logical.	3
Select the partition you want to create:	
Primary partition	
C Extended partition	
C Logical drive	
C Description	
A primary partition is a volume you create using free space on a basic disk. Windows and other operating systems can start from a primary partition. You can create up to 128 primary partitions on a GPT basic disk. On a Master Boot Record (MBR) basic disk, you can create up to four primary partitions or three primary partitions and an extended partition.	
< <u>B</u> ack <u>N</u> ext > Cancel	

Specify the Partition Size

We agree to have the entire hard drive on a single partition. We then choose the Next button to advance.

New Partition Wizard		×
Specify Partition Size Choose a partition size that is between the	e maximum and minimum sizes.	
Marian Jakaran ing ang kata (MD)	17070	
Maxium disk space in megabytes (MB):	17272	
Minimum disk space in MB:	8	
Partition size in MB:		
	< <u>B</u> ack <u>N</u> ext >	Cancel

Assign a Drive Letter

The system volume is called the C drive. Originally, the two first letters A and B were assigned to floppy or removable drives. The server's CDROM drive has the D drive designation, so the new hard drive is going to be the E drive. We press the Next button to carry on.

New Partition Wizard	×
Assign Drive Letter or Path For easier access, you can assign a drive letter or drive path to your partition.	
 Assign the following drive letter: Mount in the following empty NTFS folder: Browse Do not assign a drive letter or drive path 	
< <u>B</u> ack <u>N</u> ext >	Cancel

Format the Partiton

We will format the partition with the NTFS file system. By default, we will allocate the whole hard drive size to one partition and we can name the volume OS_images if we desire. Other choices we can opt for are to do a quick format and to enable file and folder compression. File and folder compression is useful for archiving. We press Next to continue.

New Partition Wizard	<u>×</u>
Format Partition To store data on this partition, you n	nust format it first.
Choose whether you want to format	this partition, and if so, what settings you want to use.
\bigcirc <u>D</u> o not format this partition	
Format this partition with the I	following settings:
<u>F</u> ile system:	NTFS
<u>A</u> llocation unit size:	Default
⊻olume label:	New Volume
Perform a quick format	
Enable file and folder c	ompression
	< <u>B</u> ack <u>N</u> ext > Cancel

Completing the New Partition Wizard

The New Partition Wizard is now complete. We select the Finish button.

New Partition Wizard		x
	Completing the New Partition Wizard You have successfully completed the New Partition Wizard.	
	You selected the following settings: Partition type: Primary partition Disk selected: Disk 2 Partition size: 17272 MB Drive letter or path: E: File system: NTFS Allocation unit size: Default Volume label: New Volume Duick format: No To close this wizard, click Finish.	
	< <u>B</u> ack Finish Cancel	

New Drive in Computer Management

The new drive that is NTFS formatted is ready for use. In our Remote Installation Server, we can write images to this separate space.

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📙 Computer Management (Local)	Volume Layout	Type 1	File System	Status	Capacity	Free Space	% Free	Fault Tolerance	overhead	
🖻 🌇 System Tools	Partition	Basic		Healthy (Active)	8.36 GB	8.36 GB	100 %	No	0%	
🕀 💼 Event Viewer	🗐 (C:) Partition	Basic I	NTFS	Healthy (Boot)	8.36 GB	2.44 GB	29 %	No	0%	
Shared Folders	■N Partition	Basic I	NTFS	Healthy	16.87	16.80 GB	99 %	No	0%	
Local Users and Groups										
Device Manager										
E Storage										
🕀 🎲 Removable Storage										
- 🕵 Disk Defragmenter										
Disk Management										
	Basic	(C:)								
	8.36 GB	8.36 G	B NTFS							
	Online	Health	y (Boot)							
	🗇 Disk 1									
	Basic									
	8.36 GB Online	8.36 G	B v (Active)							
		Thealen	y (Active)							
	🗇 Disk 2									
	Basic	New V	olume (E:))						
	Online	Health	GB NIFS V							
		1	, 							
	CD-ROM 0									
	CD-ROM (D:)									
	No Media									-
	Primary partition									
	P									

The My Computer Window

The drive now shows up in the My Computer window.

🚪 My Computer					
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Address 뎧 My Compu	iter			•	🔁 Go
Name	Туре	Total Size	Free Space	Comments	
Hard Disk Drives					
≪Local Disk (C:)	Local Disk	8.35 GB	2.42 GB		
S Images (E:)	Local Disk	16.8 GB	16.8 GB		
Devices with Remo	vable Storage				
	Tuble Storage				
31⁄2 Floppy (A:)	31⁄2-Inch Floppy Disk				
CD Drive (D:)	CD Drive				
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