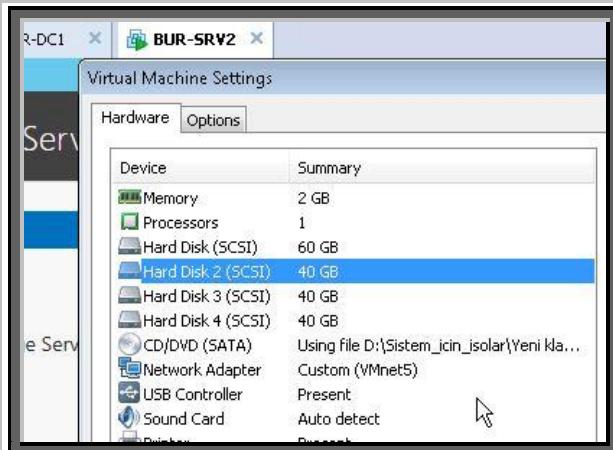


LAB:Disk Pool ve Iscsi

BUR-SRV2 üzerinde 3 adet 40 GB disk ekleyin



Server Manager ▸ Dashboard

WELCOME TO SERVER MANAGER

1 Configure 1

2 Add roles

File and Storage Services ▸ Volumes

Servers

Volumes

Disk

Storage Pools

Name	Type
All storage pools 1 total	

STORAGE POOLS

All storage pools | 1 total

Name	Type	Managed by	Available to	Read-Write Server	Capacity	Free Space	Percent Alloc.
Primordial	Available Disks	BUR-SRV2		BUR-SRV2			

Last refreshed on 7/3/2015 5:28:03 PM

VIRTUAL DISKS

No related data is available.

No related virtual disks exist.

To create a virtual disk, start the New Virtual Disk Wizard.

PHYSICAL DISKS

Primordial on BUR-SRV2

Slot	Name	Status	Capacity	Bus	Usage
	PhysicalDisk1 (BUR-SRV2)	Optimal	40.0 GB	SAS	Automatic
	PhysicalDisk2 (BUR-SRV2)	Optimal	40.0 GB	SAS	Automatic
	PhysicalDisk3 (BUR-SRV2)	Optimal	40.0 GB	SAS	Automatic

STORAGE POOLS

All storage pools | 1 total

Name	Type	Managed by
Primordial	Available Disks	BUR-SRV2

Storage Spaces (1)

- [New Storage Pool...](#)
- [New Virtual Disk...](#)
- [Add Physical Disk...](#)
- [Upgrade Storage Pool Version](#)

New Storage Pool Wizard

Before you begin

Before You Begin

- [Storage Pool Name](#)
- [Physical Disks](#)
- [Confirmation](#)
- [Results](#)

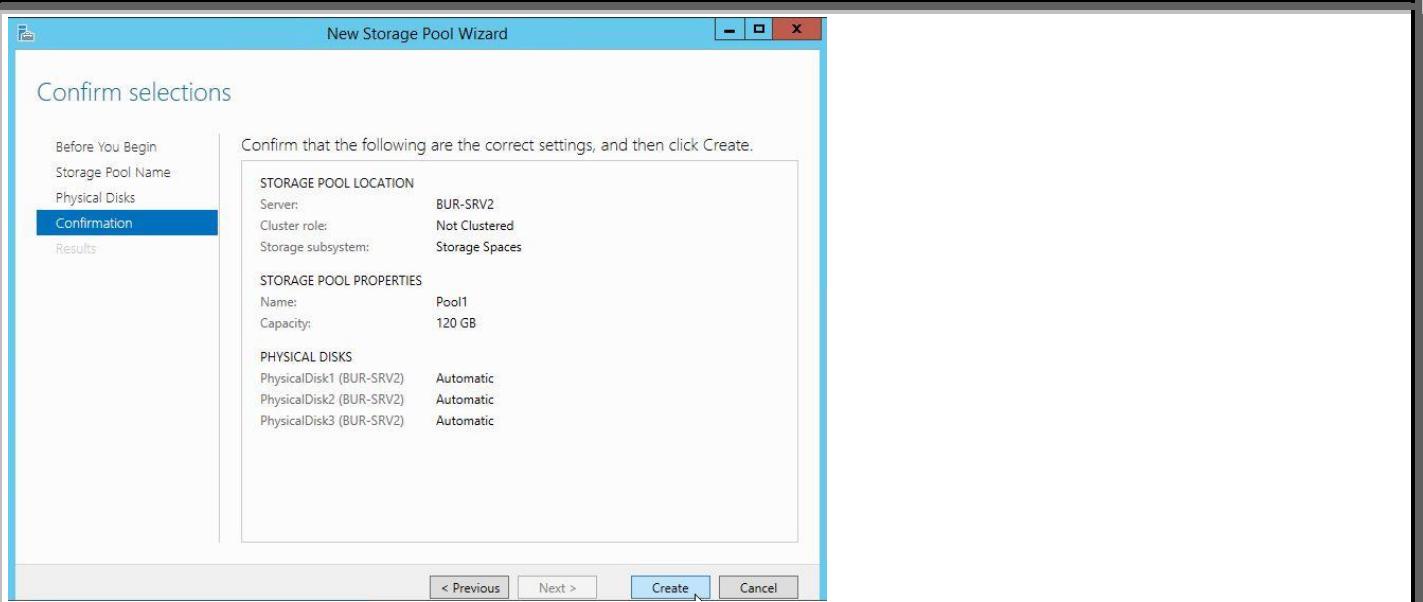
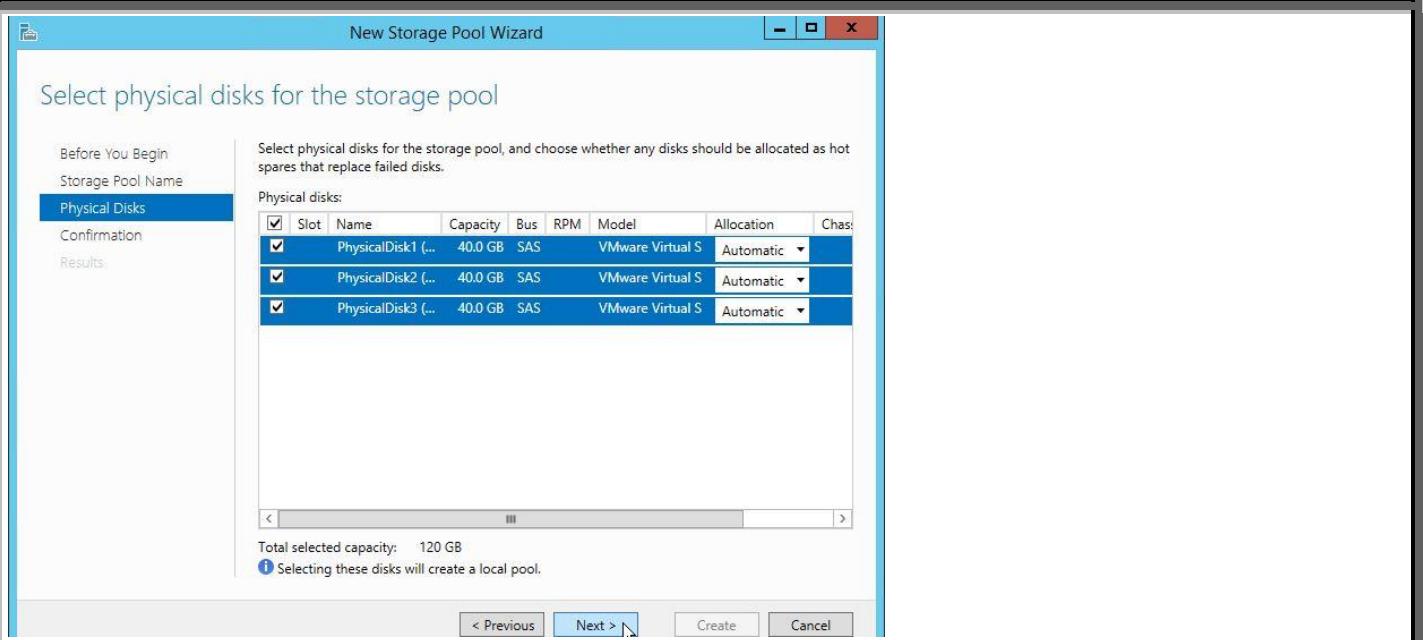
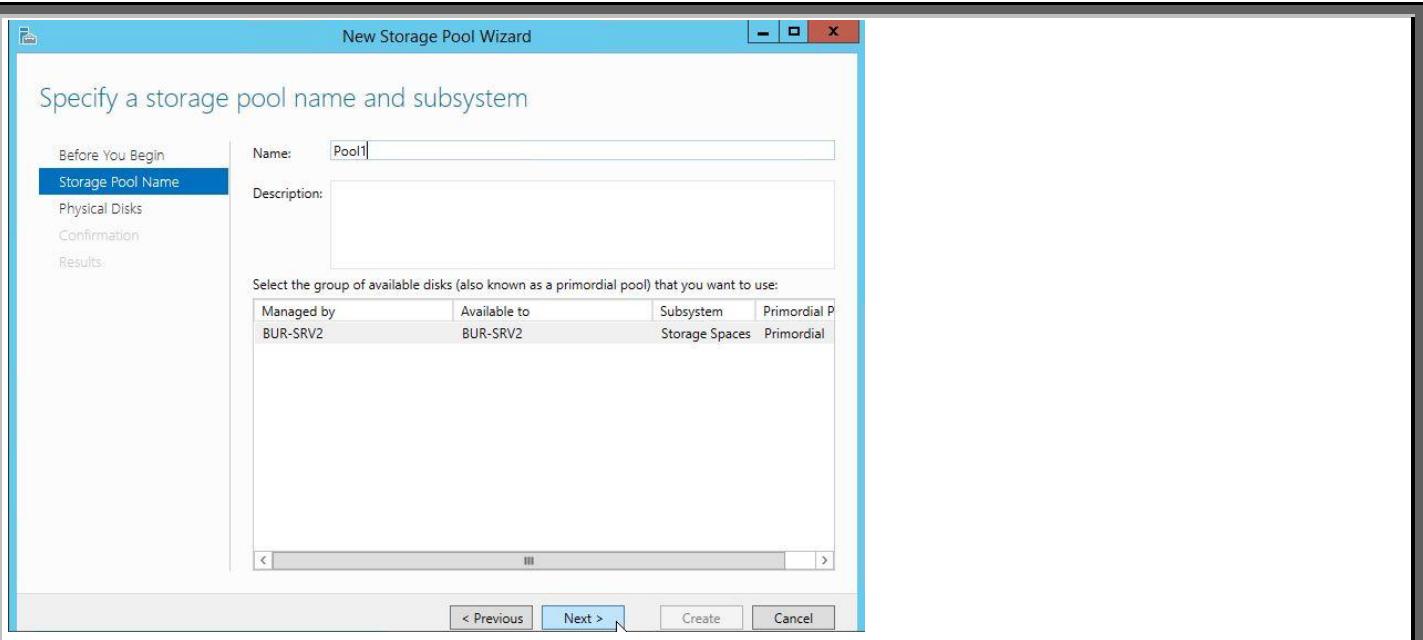
This wizard helps you group physical disks into a storage pool, enabling you to make more efficient use of disk capacity. After creating a storage pool, you can use space in the pool to create volumes on virtual disks, which appear as normal disks to the operating system.

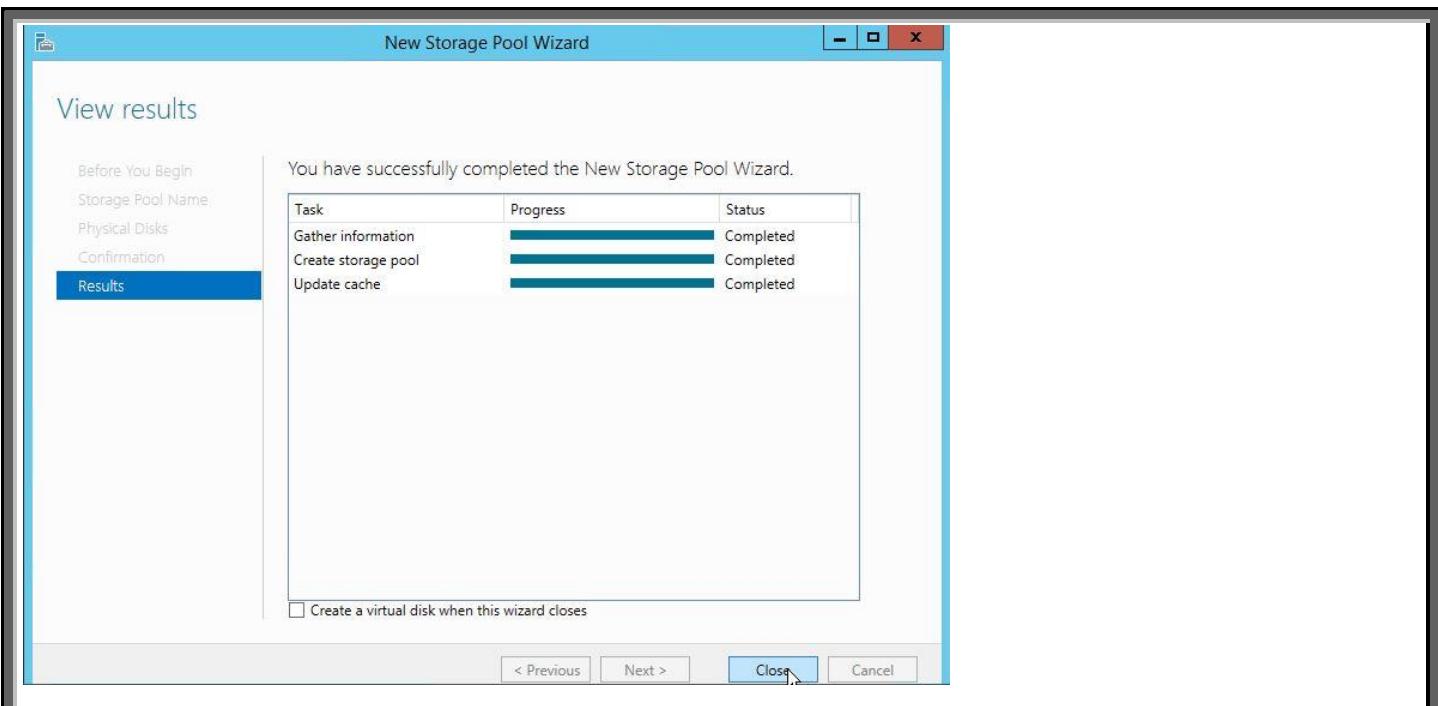
To create a storage pool, you must have at least one unused physical disk and a storage subsystem that can manage it, such as the included Storage Spaces subsystem or the subsystem included with a storage device.

To continue, click Next.

Don't show this page again

< Previous **Next >** Create Cancel





STORAGE POOLS

All storage pools | 1 total

Filter

Name	Type	Managed by	Available to
Pool1	Storage Pool	BUR-SRV2	

▲ Storage Spaces (1)

Pool1

Storage Pool BUR-SRV2

- New Storage Pool...
- New Virtual Disk...**
- Add Physical Disk...
- Upgrade Storage Pool Version
- Delete Storage Pool
- Properties

This screenshot shows the 'Storage Pools' management interface. It lists one storage pool named 'Pool1'. A context menu is open over 'Pool1', with the 'New Virtual Disk...' option highlighted. Other options in the menu include 'New Storage Pool...', 'Add Physical Disk...', 'Upgrade Storage Pool Version', 'Delete Storage Pool', and 'Properties'.

New Virtual Disk Wizard

Before you begin

Before You Begin

Storage Pool

Virtual Disk Name

Storage Layout

Provisioning

Size

Confirmation

Results

This wizard helps you create a virtual disk from a storage pool.

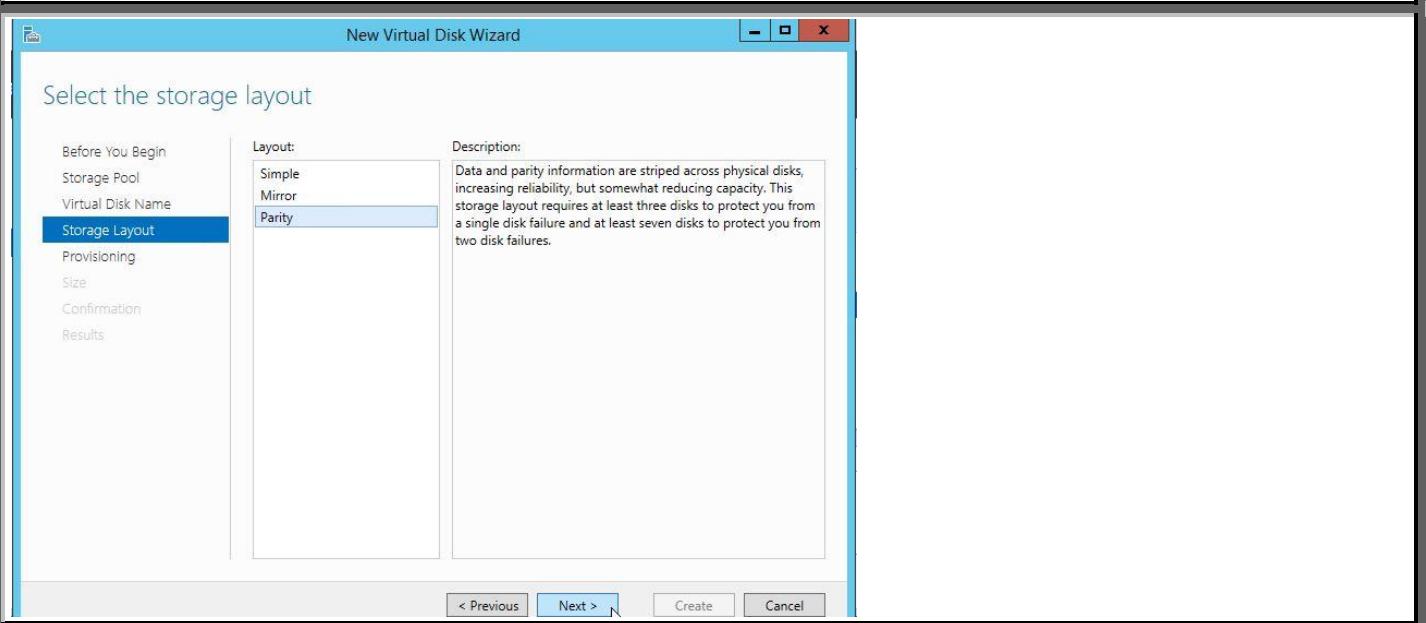
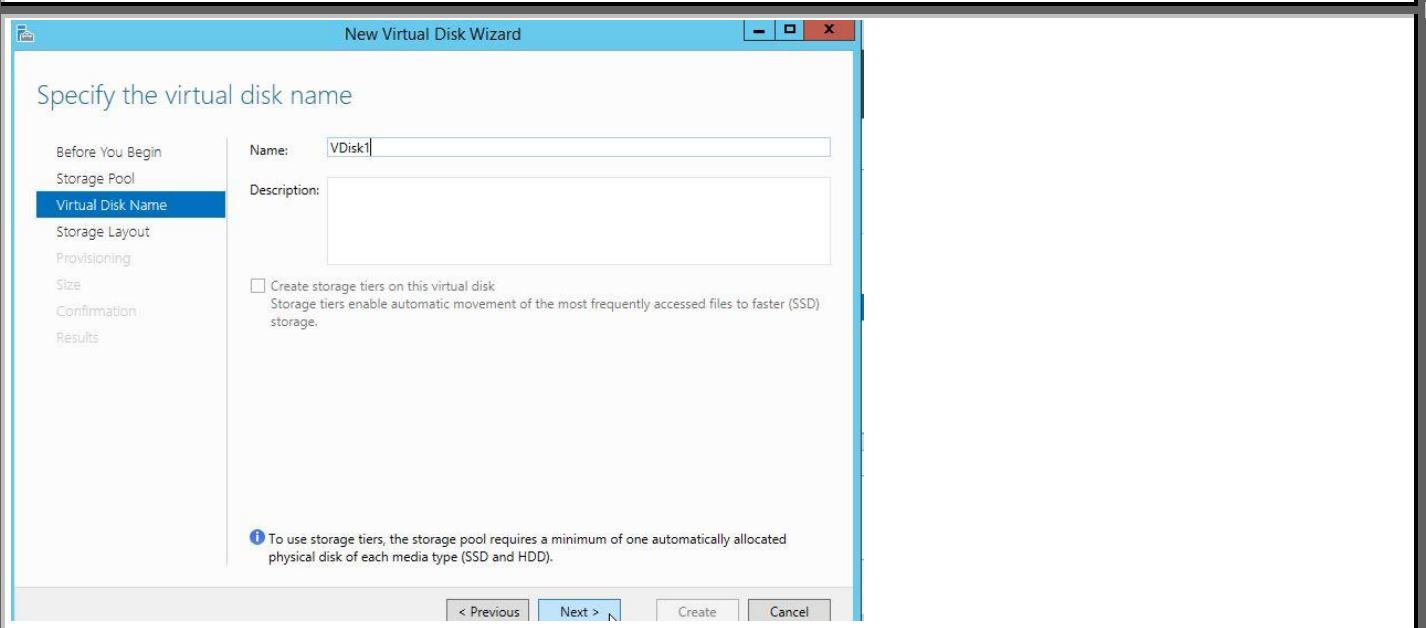
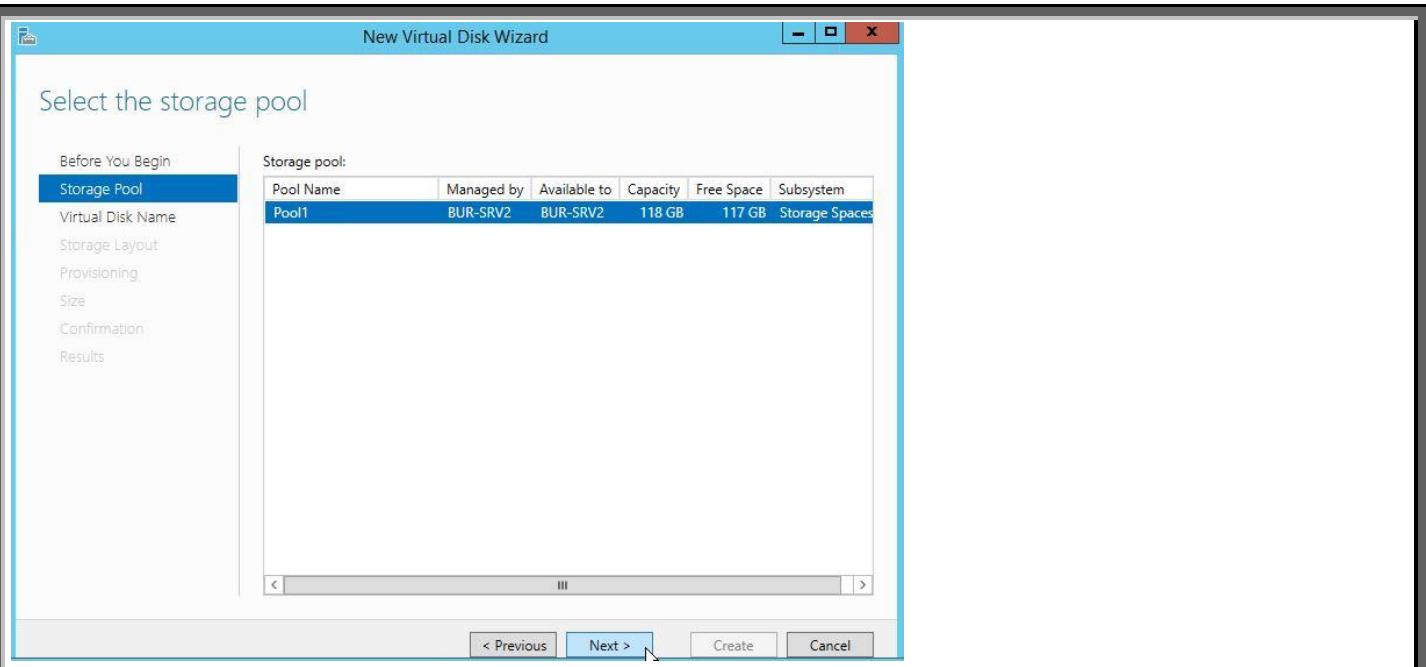
A virtual disk is a collection of one or more physical disks from a previously created storage pool. The layout of data across the physical disks can increase the reliability and performance of the virtual disk.

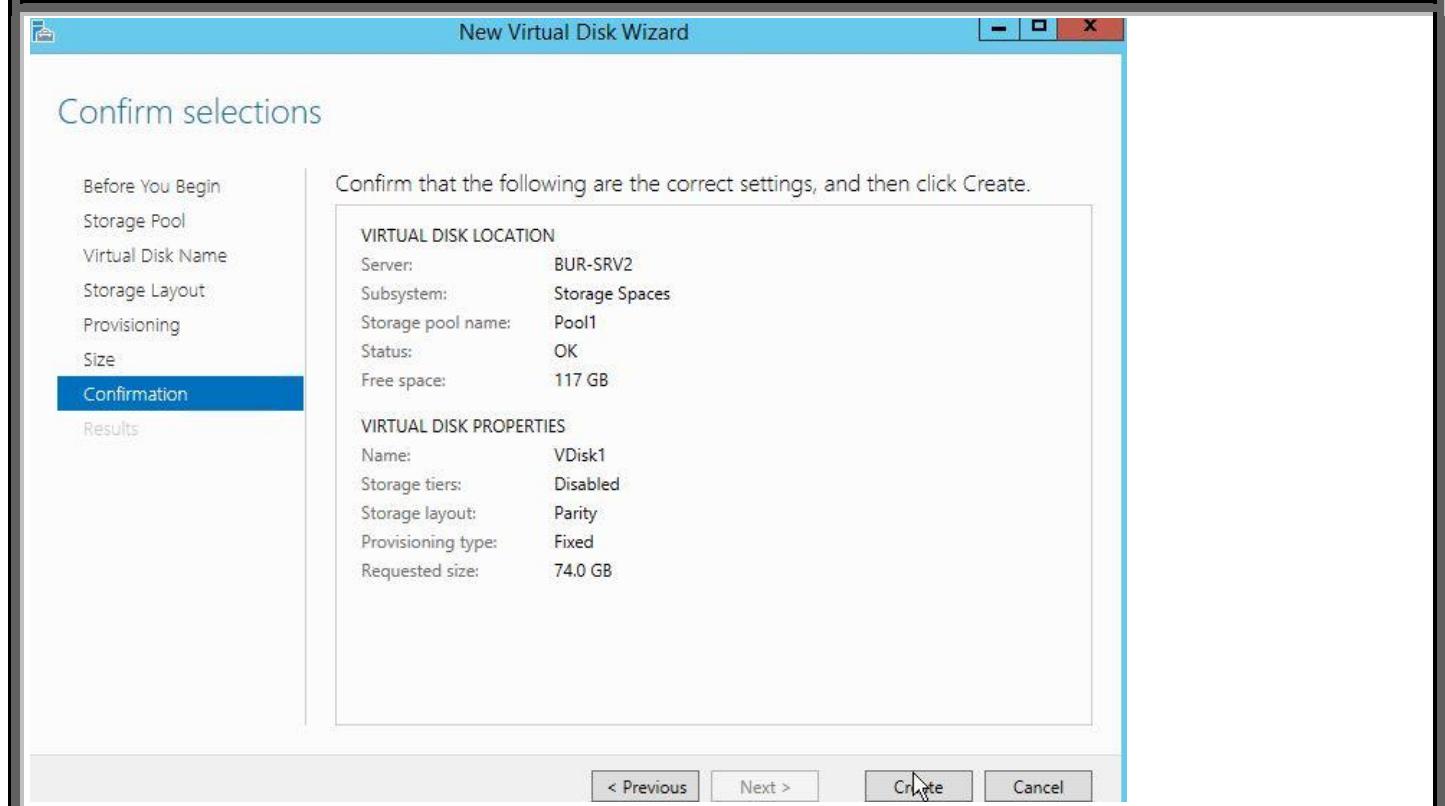
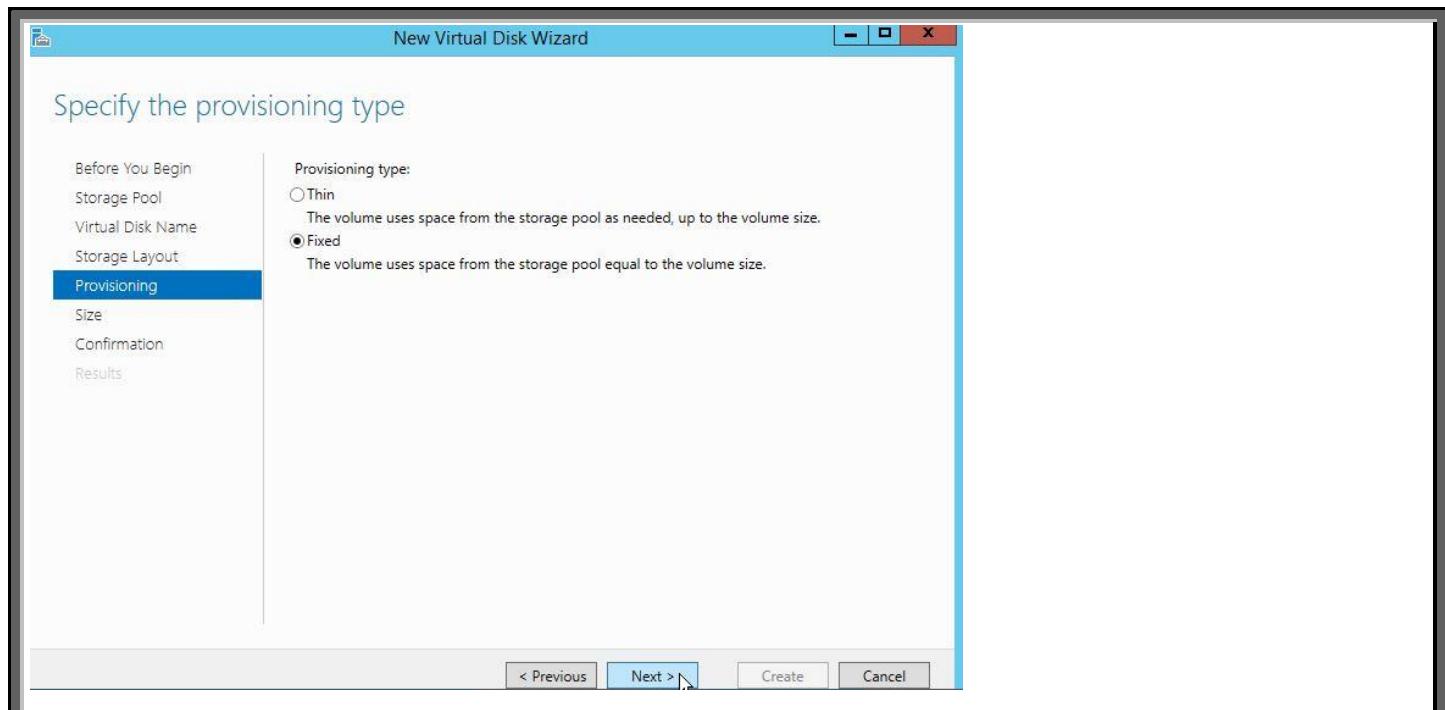
To continue, click Next.

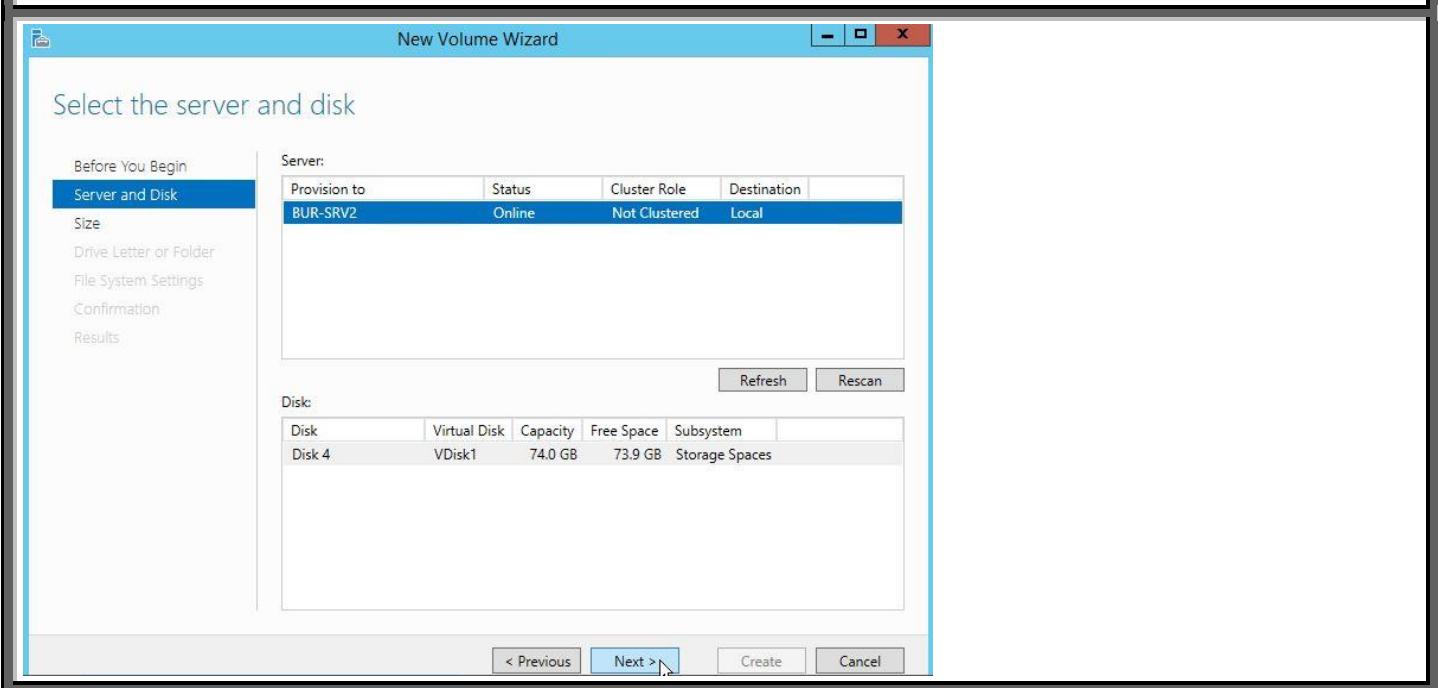
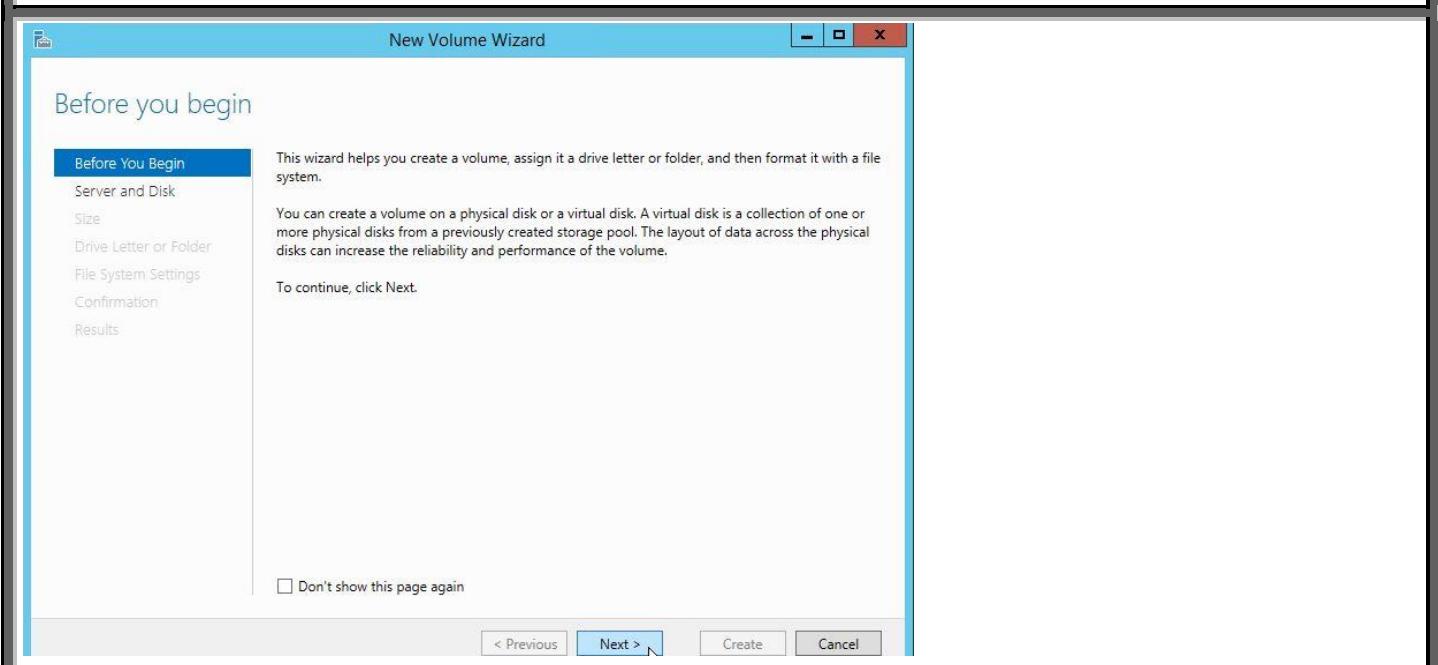
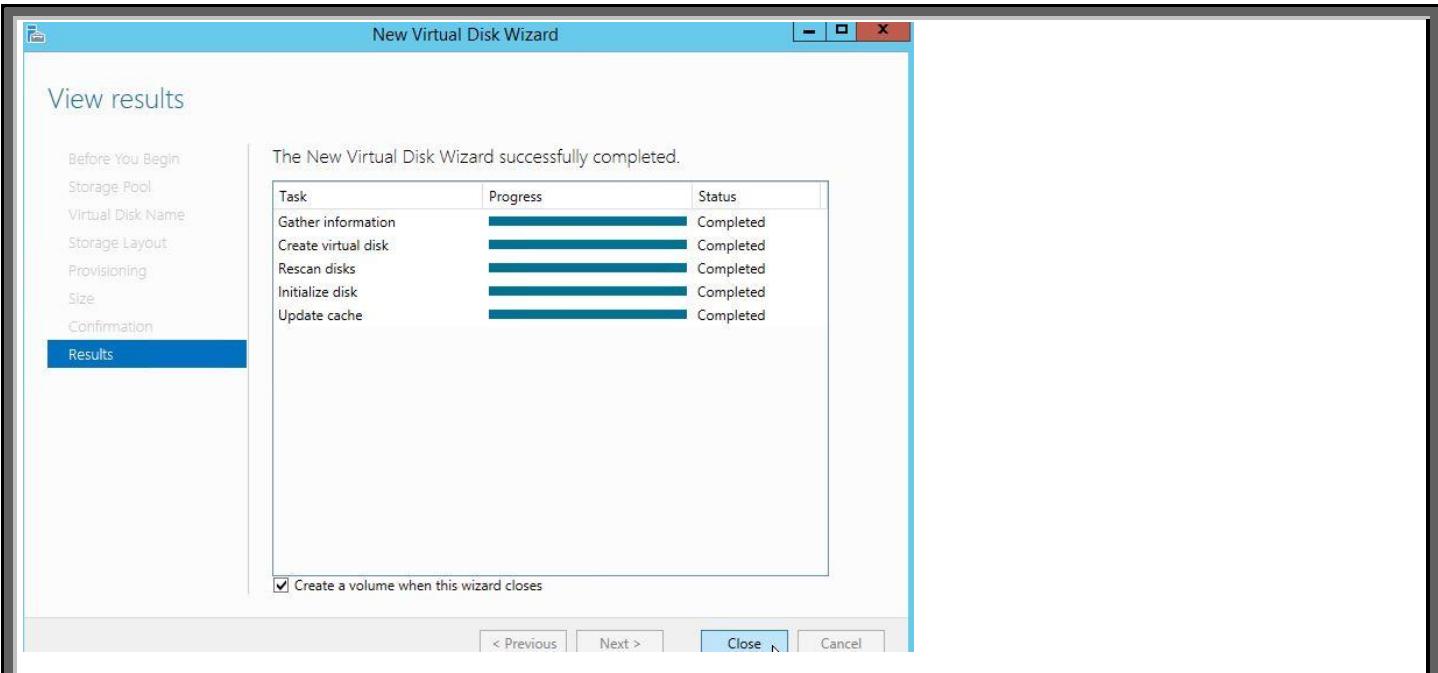
Don't show this page again

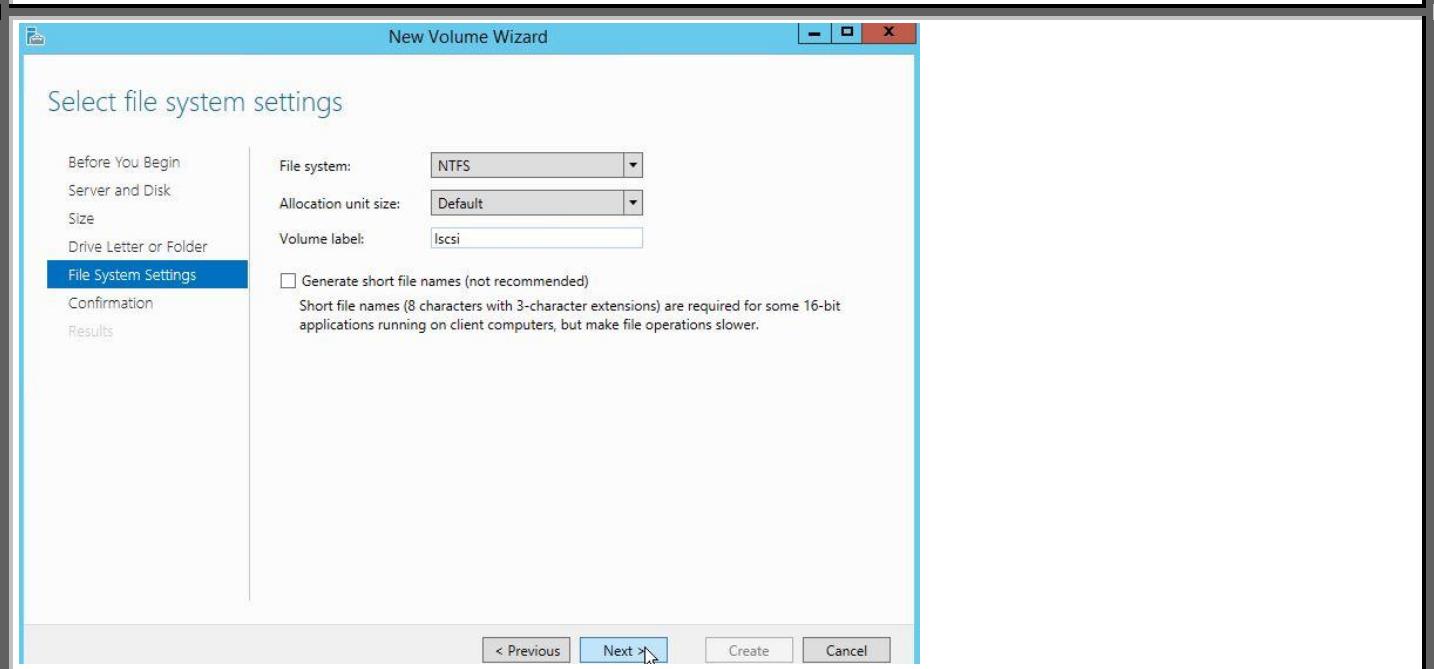
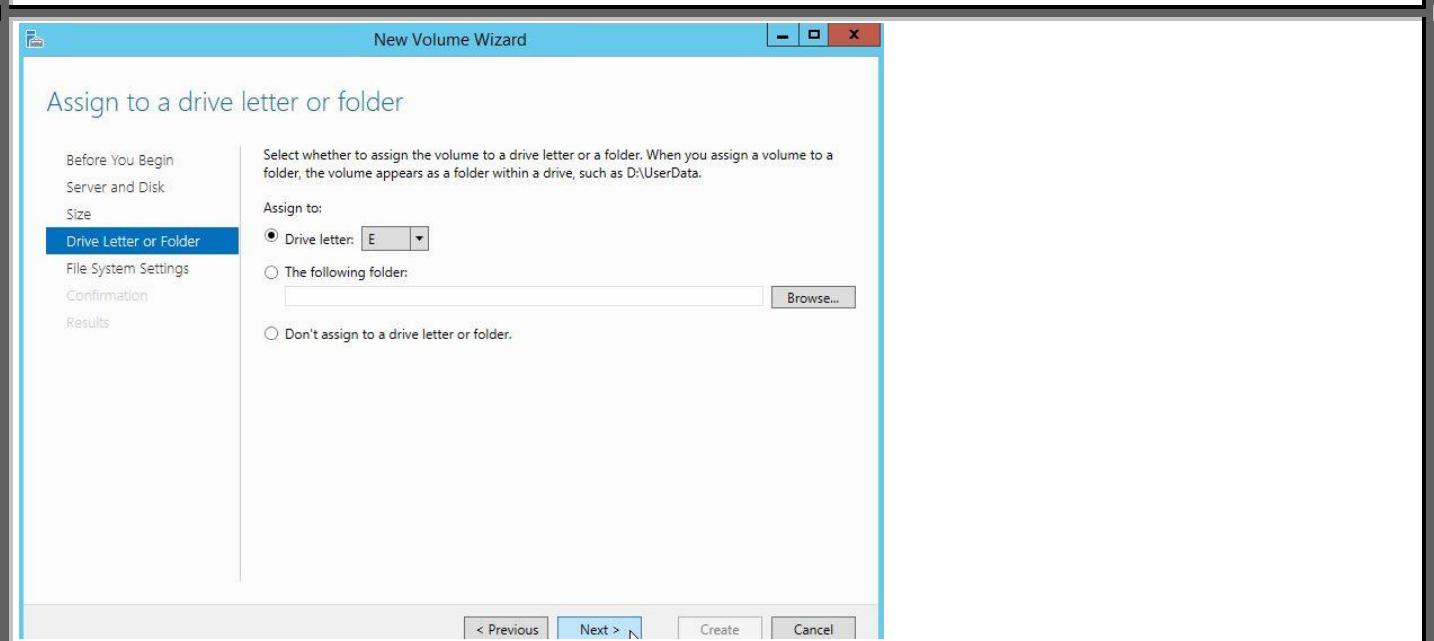
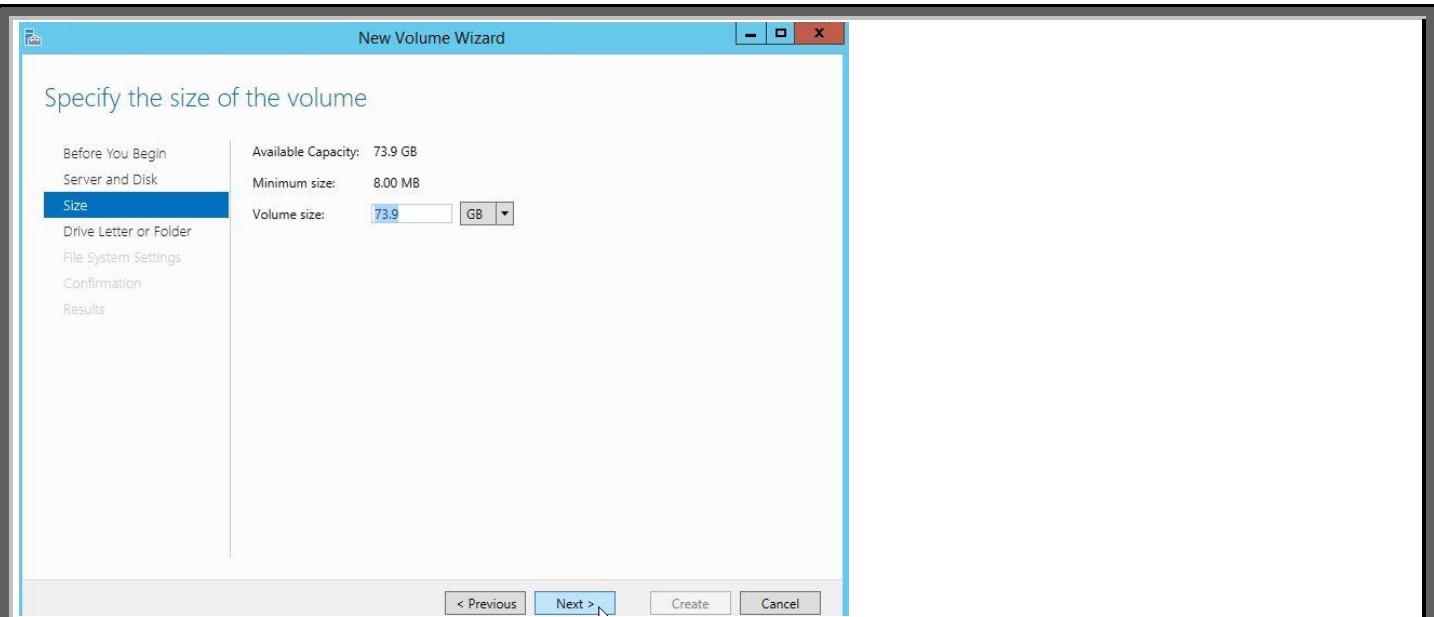
< Previous Next > Create Cancel

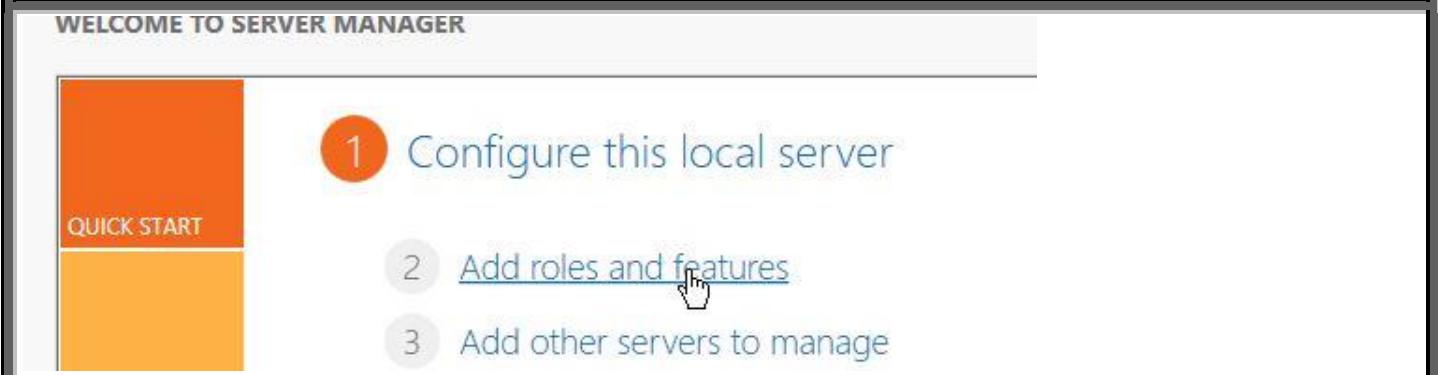
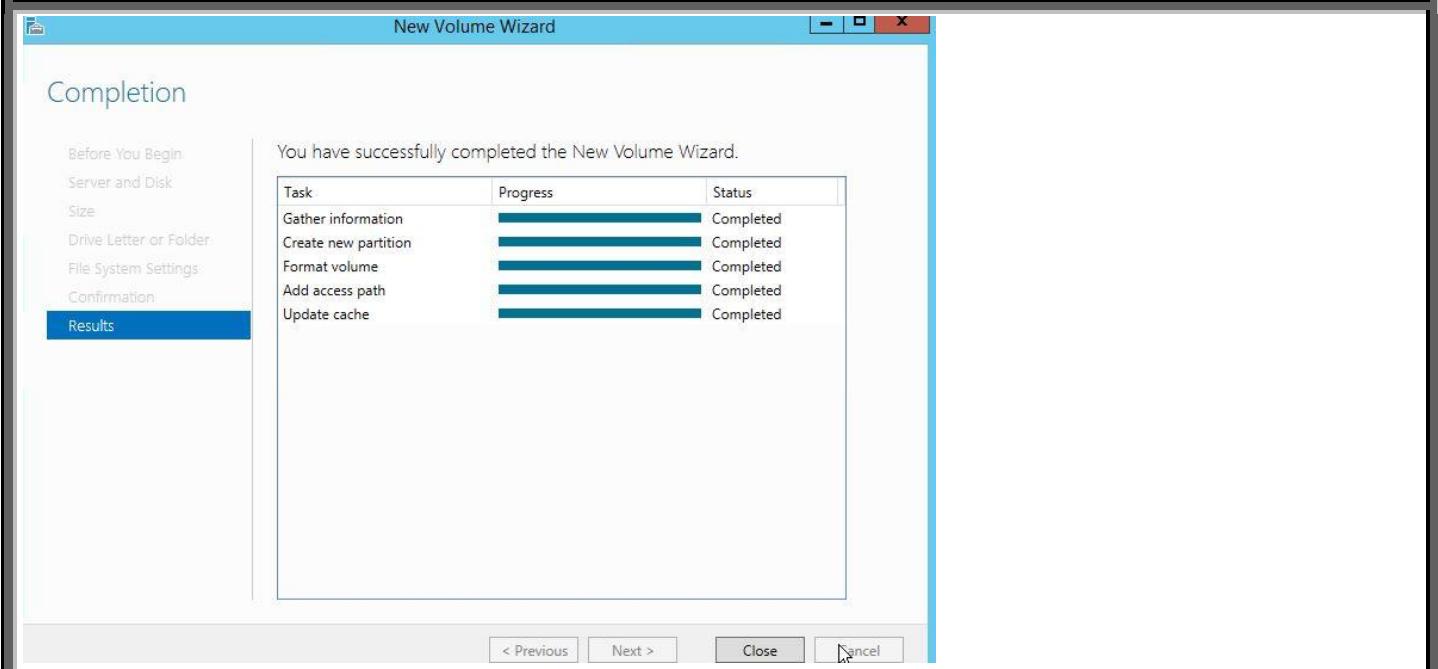
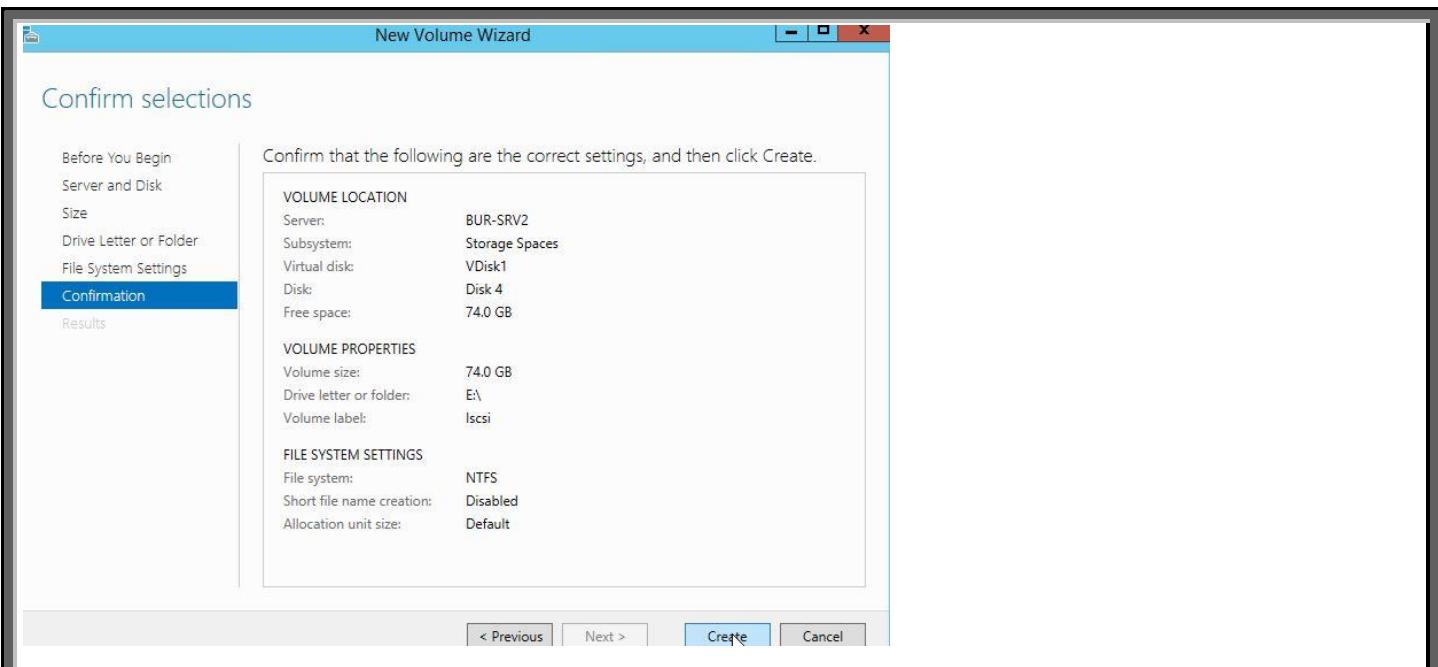
This screenshot shows the first step of the 'New Virtual Disk Wizard', titled 'Before you begin'. It explains that the wizard helps create a virtual disk from a storage pool, noting that a virtual disk is a collection of physical disks and can increase reliability and performance. It instructs the user to click 'Next' to continue. Navigation buttons at the bottom include '< Previous' (disabled), 'Next >', 'Create' (highlighted in blue), and 'Cancel'.











Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select the installation type. You can install roles and features on a running physical machine, or on an offline virtual hard disk (VHD).

Role-based or feature-based installation
Configure a single server by adding roles, role services, and features.

Remote Desktop Services installation
Install required role services for Virtual Desktop Infrastructure (VDI) to create or session-based desktop deployment.

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select a server or a virtual hard disk on which to install roles and features.

Select a server from the server pool
 Select a virtual hard disk

Server Pool

Name	IP Address	Operating System
BUR-SRV2.Datahouse.lo...	192.168.1.3	Microsoft Windows Server 2012 R2 Datacenter

Roles

File and Storage Services (1 of 12 installed)

File and iSCSI Services

- File Server
- BranchCache for Network Files
- Data Deduplication
- DFS Namespaces
- DFS Replication
- File Server Resource Manager
- File Server VSS Agent Service
- iSCSI Target Server

Add Roles and Features Wizard

Add features that are required for iSCSI Target Server?

You cannot install iSCSI Target Server unless the following role services or features are also installed.

File and Storage Services

File and iSCSI Services

File Server

Include management tools (if applicable)

Select server roles

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

Select one or more roles to install on the selected server.

Roles

<input checked="" type="checkbox"/> File and Storage Services (1 of 12 installed)
<input checked="" type="checkbox"/> File and iSCSI Services
<input checked="" type="checkbox"/> File Server
<input type="checkbox"/> BranchCache for Network Files
<input type="checkbox"/> Data Deduplication
<input type="checkbox"/> DFS Namespaces
<input type="checkbox"/> DFS Replication
<input type="checkbox"/> File Server Resource Manager
<input type="checkbox"/> File Server VSS Agent Service
<input checked="" type="checkbox"/> iSCSI Target Server
<input type="checkbox"/> iSCSI Target Storage Provider (VDS and VSS)
<input type="checkbox"/> Server for NFS
<input type="checkbox"/> Work Folders
<input checked="" type="checkbox"/> Storage Services (Installed)

Descri

iSCS
and
targ

< Previous

Next >

Before You Begin

Installation Type

Server Selection

Server Roles

Select one or more features to install on the selected server.

Features

<input type="checkbox"/> .NET Framework 3.5 Features
<input checked="" type="checkbox"/> .NET Framework 4.5 Features (2 of 7 installed)
<input type="checkbox"/> Background Intelligent Transfer Service (BITS)
<input type="checkbox"/> BitLocker Drive Encryption
<input type="checkbox"/> BitLocker Network Unlock
<input type="checkbox"/> BranchCache
<input type="checkbox"/> Client for NFS
<input type="checkbox"/> Data Center Bridging
<input type="checkbox"/> Direct Play
<input type="checkbox"/> Enhanced Storage
<input type="checkbox"/> Failover Clustering
<input type="checkbox"/> Group Policy Management
<input type="checkbox"/> IIS Hostable Web Core
<input type="checkbox"/> Ink and Handwriting Services

Descri

.NET F
power
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Next >

Confirm installation selections

DESTINATION SERVER
BUR-SRV2.Datahouse.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

To install the following roles, role services, or features on selected server, click Install.

Restart the destination server automatically if required

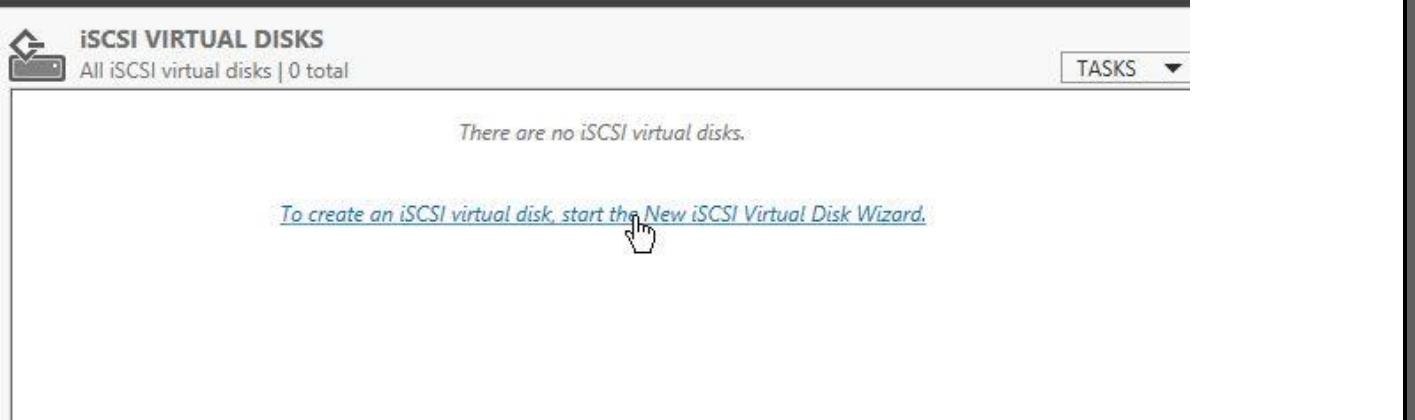
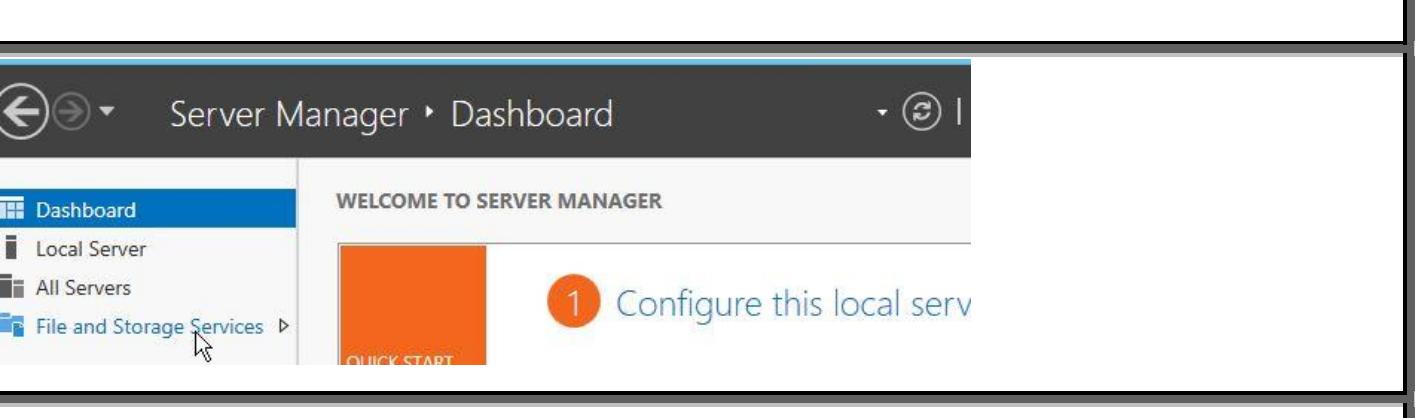
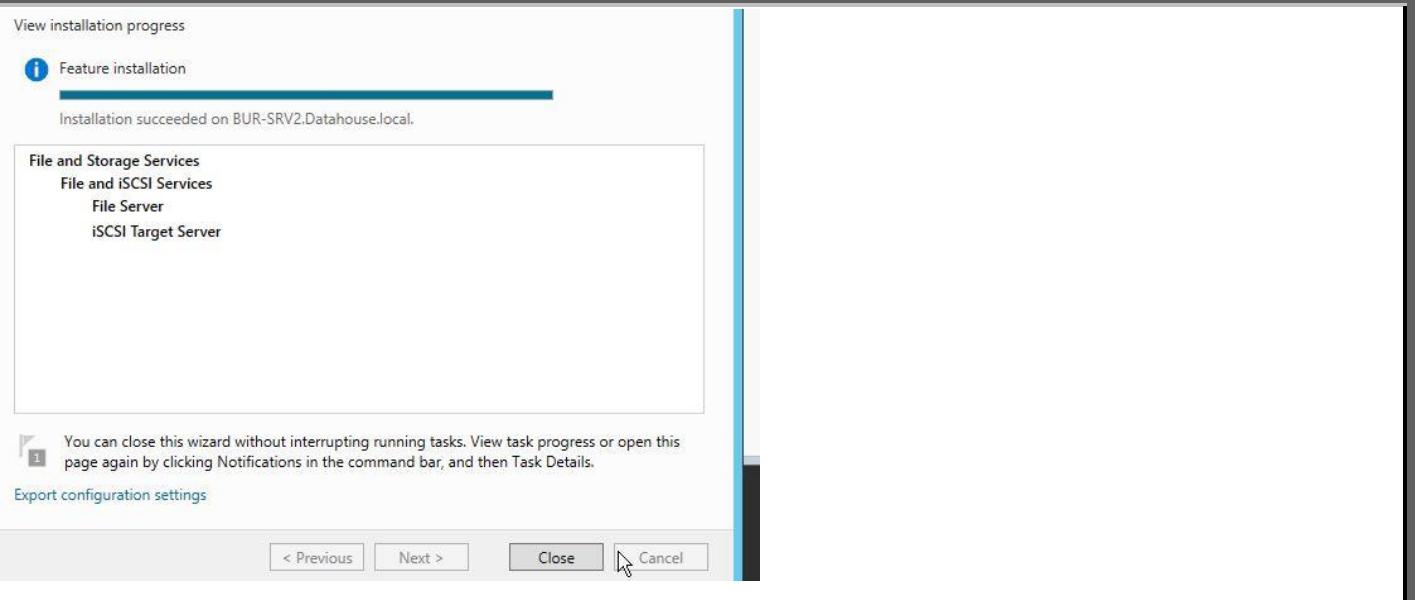
Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.

File and Storage Services
File and iSCSI Services
File Server
iSCSI Target Server

Export configuration settings
Specify an alternate source path

Install

Cancel



Server:			
Server Name	Status	Cluster Role	Owner Node
BUR-SRV2	Online	Not Clustered	

The list is filtered to show only servers with the iSCSI Target Server role installed.

Storage location:

Select by volume:

Volume	Free Space	Capacity	File System
C:	43.1 GB	59.7 GB	NTFS
E:	73.8 GB	73.9 GB	NTFS

The iSCSI virtual disk will be saved at \\iSCSIVirtualDisk on the selected volume.

Type a custom path:

< Previous

Next >

Create

Cancel

Specify iSCSI virtual disk name

iSCSI Virtual Disk Location

iSCSI Virtual Disk Name

iSCSI Virtual Disk Size

iSCSI Target

Target Name and Access

Access Servers

Enable authentication ser...

Confirmation

Results

Name:

Description:

Path: E:\\iSCSIVirtualDisks\\lscsiVD1.vhdx

< Previous

Next >

Specify iSCSI virtual disk size

ISCSI Virtual Disk Location
ISCSI Virtual Disk Name
ISCSI Virtual Disk Size
ISCSI Target

Target Name and Access
Access Servers
Enable authentication ser...
Confirmation
Results

Free space: 73.7 GB
Size: GB

Fixed size
This type of disk provides better performance and is recommended for servers running applications with a high level of disk activity. The virtual hard disk is created using the size of the fixed virtual hard disk. It does not change when data is added or deleted.
 Clear the virtual disk on allocation
Note: Un-selecting is NOT RECOMMENDED. Clearing a disk to zero will remove any fragments of data that remained on underlying storage, thus protecting from information leaks.

Dynamically expanding
This type of disk provides better use of physical storage space and is recommended for servers running applications that are not disk intensive. The .vhdx file is small when the disk is created and grows as data is written to it.

Differencing
This type of disk is associated in a parent-child relationship with another disk that you want to leave intact. You can make changes to this virtual hard disk without affecting the parent disk and easily revert the changes later.

Parent virtual disk path:

< Previous Create Cancel

New iSCSI target

< Previous Create Cancel

Specify target name

ISCSI Virtual Disk Location
ISCSI Virtual Disk Name
ISCSI Virtual Disk Size
ISCSI Target
Target Name and Access
Access Servers
Enable authentication ser...
Confirmation
Results

Name:
Description:

< Previous Create Cancel

iSCSI Virtual Disk Location

iSCSI Virtual Disk Name

iSCSI Virtual Disk Size

iSCSI Target

Target Name and Access

Access Servers

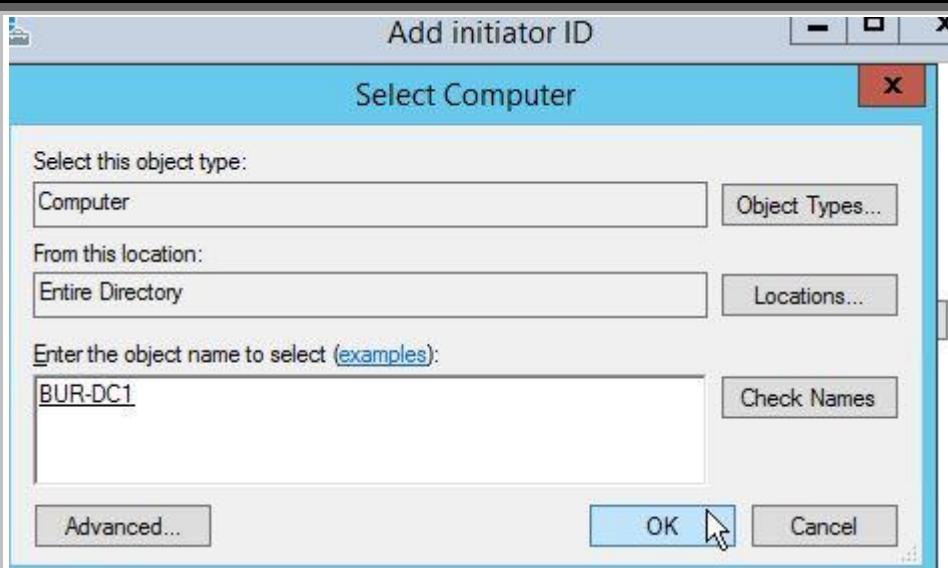
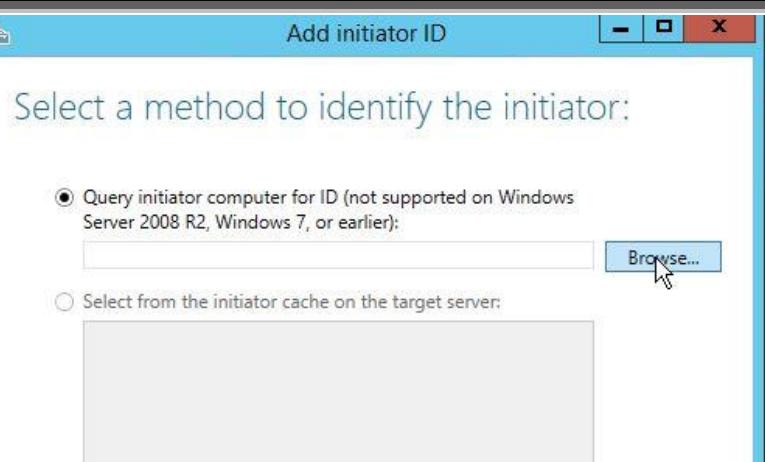
Enable authentication ser...

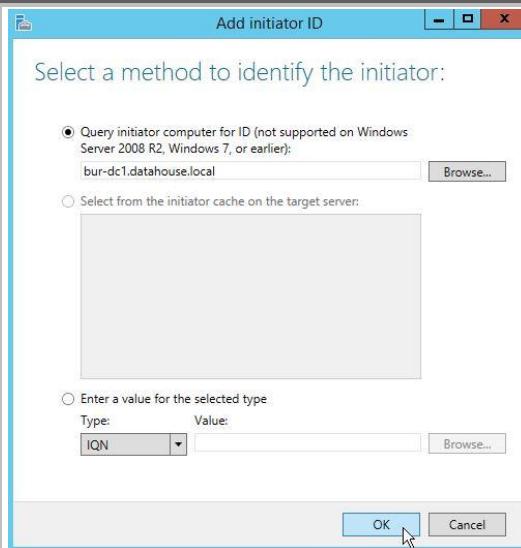
Confirmation

Results

Click Add to specify the iSCSI initiator(s) that will access this iSCSI virtual disk.

Type	Value
Add...	Remove





Specify access servers

ISCSI Virtual Disk Location
ISCSI Virtual Disk Name
ISCSI Virtual Disk Size
ISCSI Target
Target Name and Access
Access Servers
Enable authentication ser...
Confirmation
Results

Click Add to specify the iSCSI initiator(s) that will access this iSCSI virtual disk.

Type	Value
IQN	iqn.1991-05.com.microsoft:bur-dc1.datahouse.local

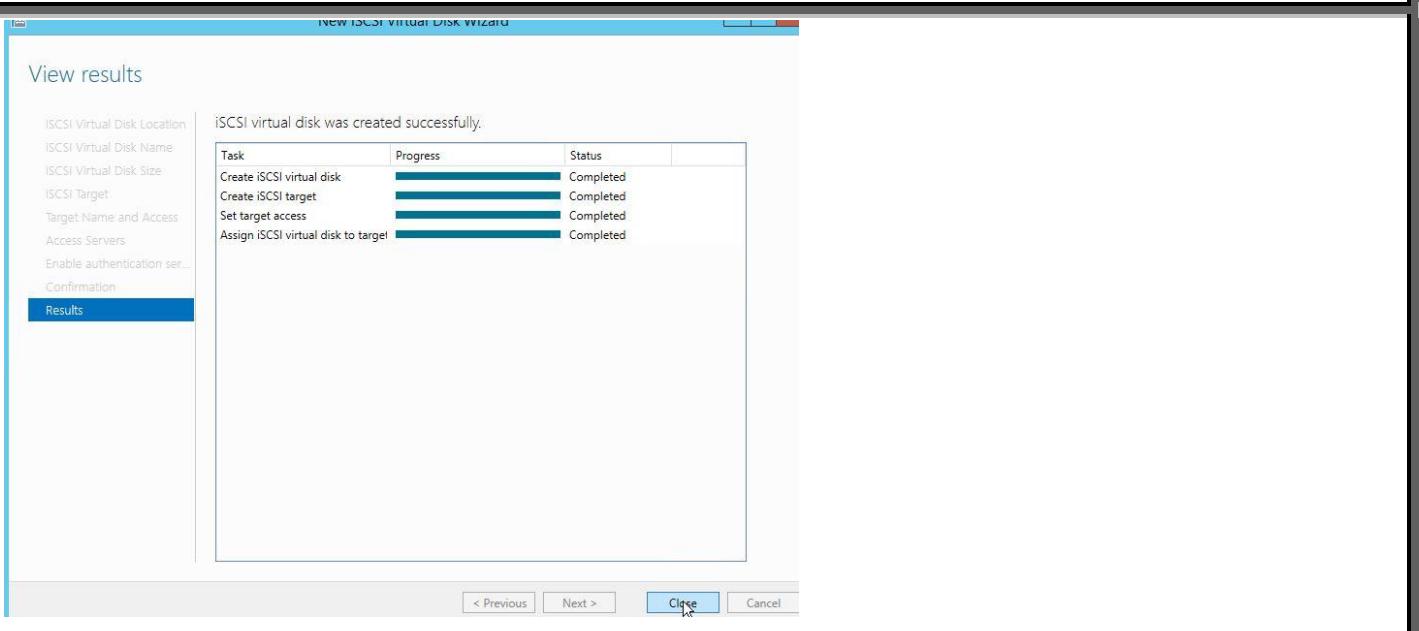
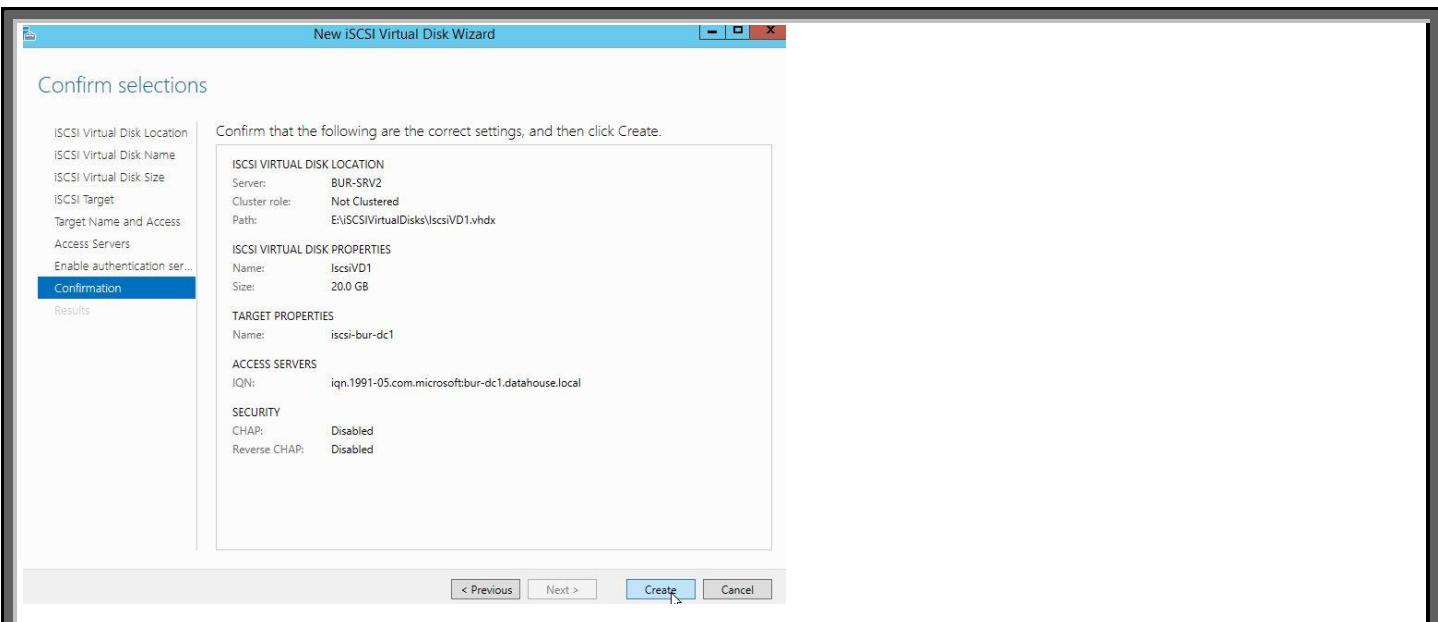
Enable Authentication

ISCSI Virtual Disk Location
ISCSI Virtual Disk Name
ISCSI Virtual Disk Size
ISCSI Target
Target Name and Access
Access Servers
Enable authentication ser...
Confirmation
Results

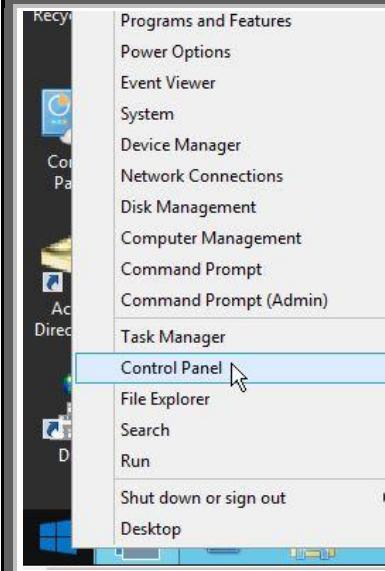
Optional, enable the CHAP protocol to authenticate initiator connections, or enable reverse CHAP to allow the initiator to authenticate the iSCSI target.

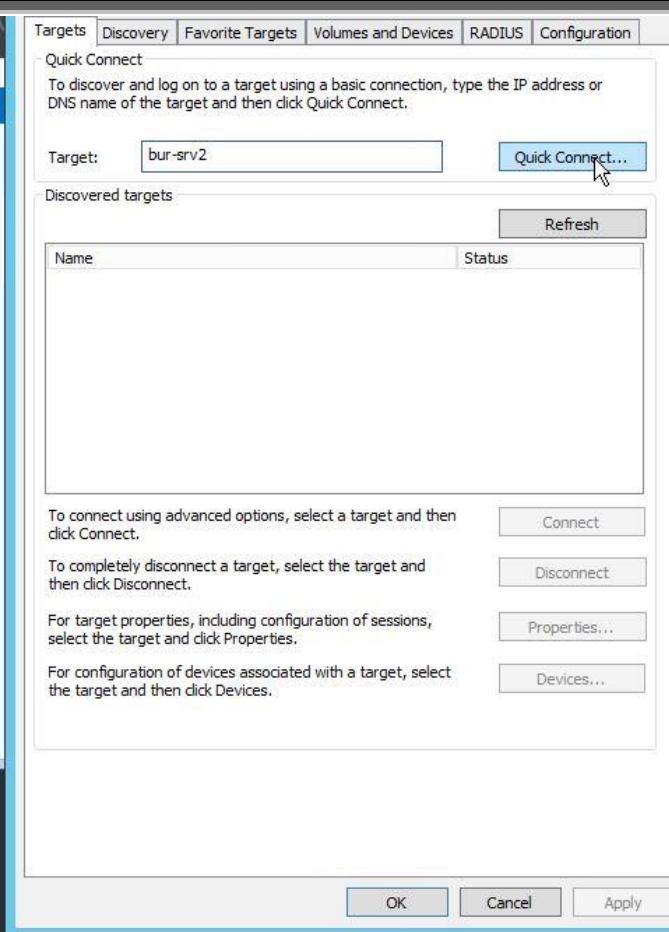
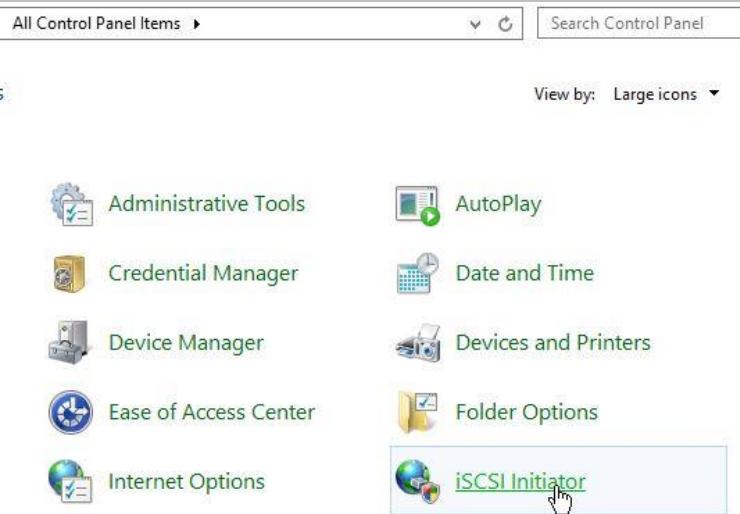
Enable CHAP:
User name:
Password:
Confirm password:

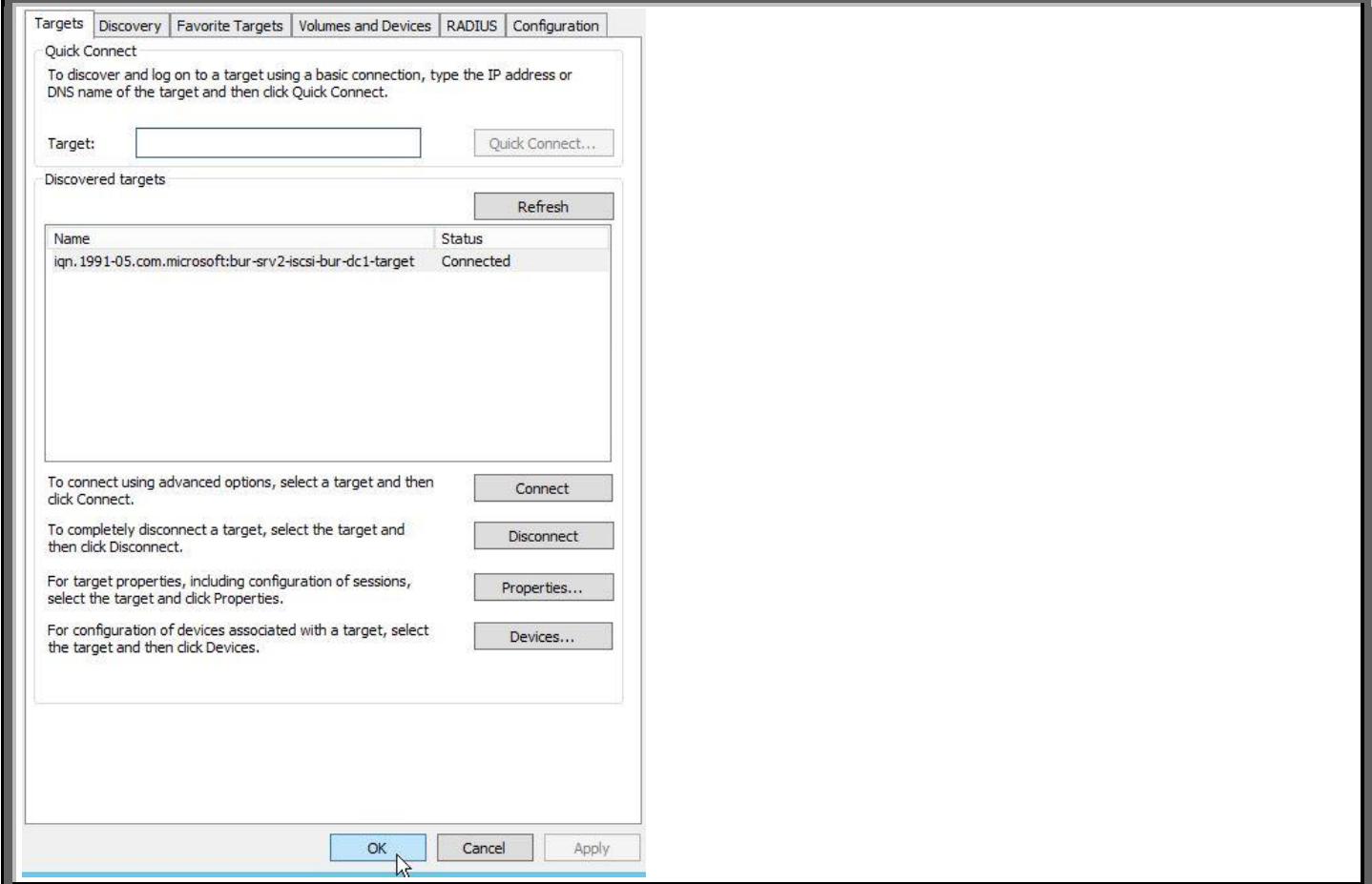
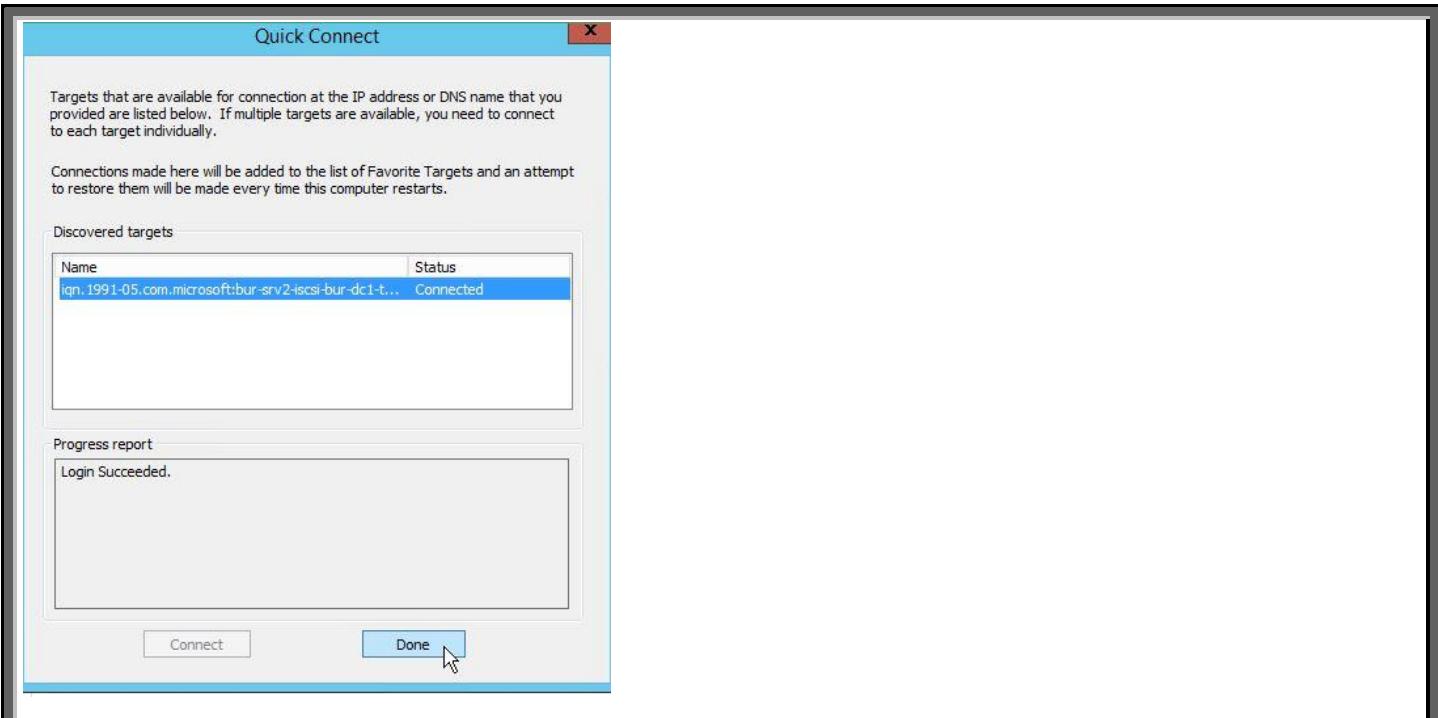
Enable reverse CHAP:
User name:
Password:
Confirm password:

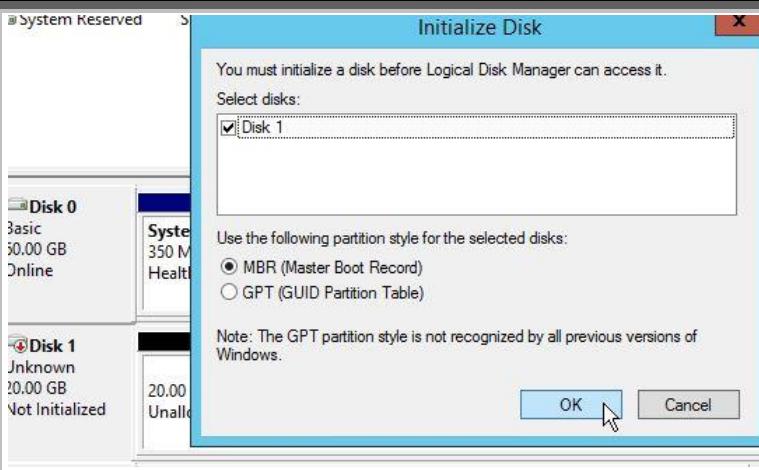
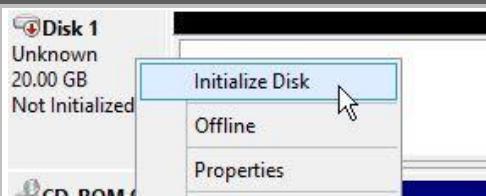
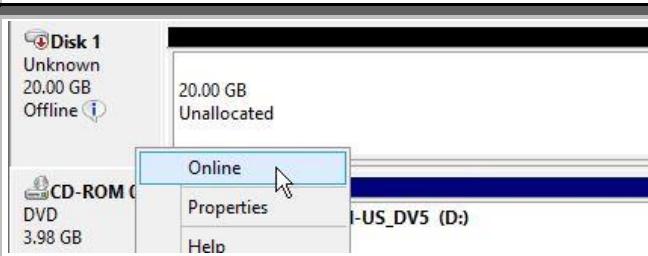
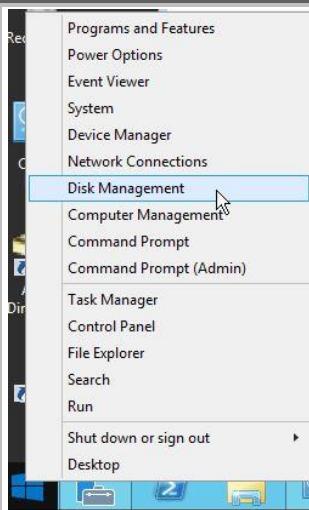


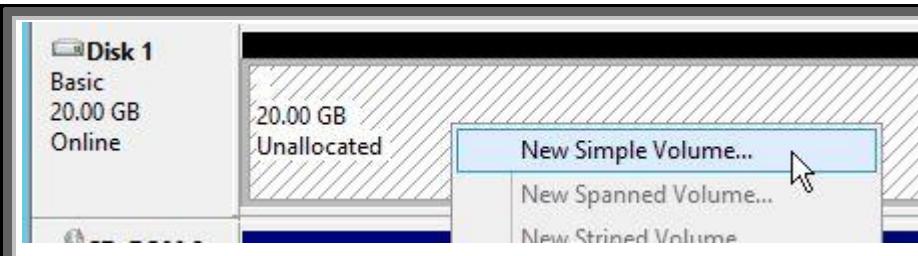
BUR-DC1'E GEÇİN











Disk 1

Basic
20.00 GB
Online

20.00 GB
Unallocated

New Simple Volume... **→**

New Spanned Volume...

New Striped Volume...

New New Simple Volume Wizard

Welcome to the New Simple Volume Wizard

This wizard helps you create a simple volume on a disk.

A simple volume can only be on a single disk.

To continue, click Next.

< Back | Next > | Cancel

New Simple Volume Wizard

Specify Volume Size

Choose a volume size that is between the maximum and minimum sizes.

Maximum disk space in MB: 20477

Minimum disk space in MB: 8

Simple volume size in MB:

< Back | Next > | Cancel

New Simple Volume 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:

Do not assign a drive letter or drive path

< Back | Next > | Cancel

