

Backup

Target

- Create backup of users' files, as well as restore data.

Tasks

Adding a hard disk to a virtual machine

1. If necessary, start the VirtualBox virtualization software.
2. In the VirtualBox window, select the Apollo icon (DO NOT start).
3. On the toolbar of the VirtualBox window, click Settings.
4. In the Settings window, select Storage > Storage Tree under select Controller: SATA and click Add Hard Disk.
5. In the VirtualBox - Question window, click Create new disk.
6. Set the file type on the hard drive to VDI, dynamically increasing, to a size of 40 GB, and finally click Create.
7. Launch the Apollo virtual machine.
8. Log in to the server with your CYBERSE\Administrator username and password to the PasswOrd\$ server.

Backup haddisk deployments to

9. Open the Computer Management Management Console.
10. In the Computer Management console, select Storage.
11. In Disk Management, enable a new disk (Initialize Disk) and partition it to a single NTFS partition as Backup.

Disk 0 Basic 50,00 GB Online	System Reserved 500 MB NTFS Healthy (System, Active, Primary Partition)	(C:) 49,51 GB NTFS Healthy (Boot, Page File, Crash Dump, Primary Partition)
Disk 1 Basic 40,00 GB Online	Data (E:) 9,77 GB NTFS Healthy (Primary Partition)	30,23 GB Unallocated
Disk 2 Basic 40,00 GB Online	Backup (F:) 40,00 GB NTFS Healthy (Primary Partition)	

Windows Server Backup feature installation

12. In the Server Manager window on the Apollo server, click Manage > Add Roles and Features.
13. Click Next until you come to Features and select Windows Server Backup. Click Next.
14. Select the Restart the destination server automatically if required check box, click Yes to acknowledge the notification , and then click Install.
15. At the end of the installation, click Close.

Back up your files

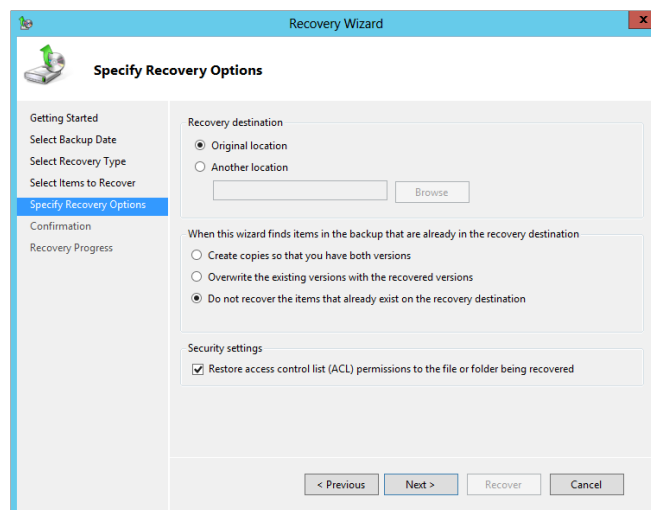
16. On the C drive, make an Important Files folder. Kopioi or make some files there so that in the next steps you can make a backup copy of them for the Backup section.
Also, copy or make at least one .txt file into the folder so that you can edit it later.
Already in this context, write something in the file.
17. In the Server Manager window, open Tools and click Windows Server Backup, as well as wait patiently for a while.
18. On the left side of the Windows Server Backup window, click Local Backup.
19. In the Actions panel of the Windows Server Backup window, click Backup Once...
20. In the Backup Options window, select Different options and click Next.
21. In the Select Backup Configuration window, select the Custom option box and click Next.
22. In the Select Items for Backup window, click Add Items.
23. In the Select Items dialog box, expand the C: drive and select the Important Files checkbox to select the files below it as well. Click OK.
24. Click Next.
25. In the Specify Destination Type window, select the Local drives option box and click Next.
26. In the Select Backup Destination window, select Backup1 drive from the Backup destination: drop-down list and click Next.
27. In the Confirmation window, click Backup.
28. In the Backup Progress window, wait again to create shadow copies of files.
DO NOT tap the Close button until Status: says Completed,
even if it is possible for the progress of the operation.
29. In the Backup Progress window, when Status: says Completed, click Close.

Deleting and editing files

30. In the C: drive folder, delete the Important Files file or files, but **not** the text file you want to edit.
Try to remember, write down or take a screenshot of which files you deleted.
31. Edit the text file located in the Important Files folder and save the changes.

Files

32. In the Server Manager window, open Tools and click Windows Server Backup.
33. In the Actions panel of the Windows Server Backup window, click Recover...
34. In the Getting Started window, select the This server (APOLLO) option box and click Next.
35. In the Select Backup Date window, select the date you made the backup and click Next.
36. In the Select Recovery Type window, select Files and folders and click Next.
37. In the Select Items to Recover window, in the Available items: box, expand Apollo > Local disk (C:) and select Important File.
If necessary, select all the files, such as selecting files in File Explorer and tap Next.
 - Since you know which files need to be recovered, it would be enough to just select the files you want to recover. However, now select all the files to recover that in the next window there will be something to choose from.
38. In the Specify Recovery Options window, select the Original location option box.
Also, select the Do not recover the items that already exist on the recovery destination option box and pause for a moment to think about how different choices affect the recovery. Tap Next.



39. In the Confirmation window, click Recover. Finally, click Close.
40. Open the C:\Important Files folder in File Explorer
41. Make sure that the deleted files have been recovered and the text file has not been restored from the backup.
What things does it manifest itself in?



Add

Create

Refresh

Name	Virtual Size	Actual Size
▼ Attached		
APOLLO.vdi	40.00 GB	25.65 GB
APOLLO_1.vdi	50.00 GB	27.00 MB
Kali Linux.vdi		
Ubuntu 22 User.v		
Win10.vdi		
> Windows 10.vdi		
Windows 11.vdi		



Create Virtual Hard Disk



Virtual Hard disk file type

Please choose the type of file that you would like to use for the new virtual hard disk. If you do not need to use it with other virtualization software you can leave this setting unchanged.

- ☒ VDI (VirtualBox Disk Image)
- ☐ VHD (Virtual Hard Disk)
- ☐ VMDK (Virtual Machine Disk)

Help

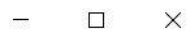
Expert Mode

Back

Next

Cancel

APOLLO - Hard Disk Selector



Medium Selector



Add



Create



Refresh

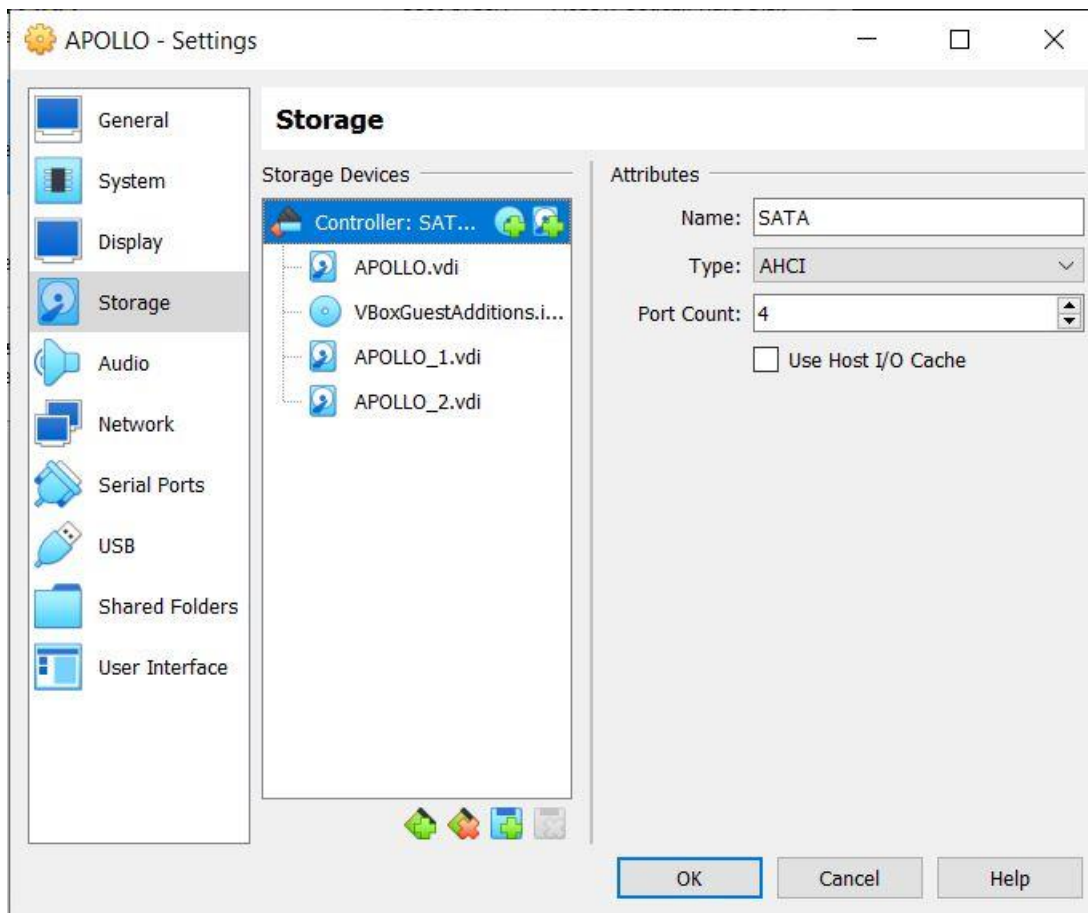
Name	Virtual Size	Actual Size
<div> <div> ▼ </div> Attached </div>		
APOLLO.vdi	40.00 GB	25.65 GB
APOLLO_1.vdi	50.00 GB	27.00 MB
Kali Linux.vdi	20.00 GB	16.39 GB
Ubuntu 22 User.vdi	40.00 GB	25.93 GB
Win10.vdi	50.00 GB	49.32 GB
<div> > </div> Windows 10.vdi	50.00 GB	15.94 GB
Windows 11.vdi	80.00 GB	15.12 GB
<div> <div> ▼ </div> Not Attached </div>		
APOLLO_2.vdi	40.00 GB	2.00 MB

Search By Name
▼




Choose

Cancel



Computer Management

File Action View Help

Computer Management (Local)

System Tools

Task Scheduler

Event Viewer

Shared Folders

Performance

Device Manager

Storage

Windows Server Backup

Disk Management

Services and Applications

Volume	Layout	Type	File System	Status
(C:)	Simple	Basic	NTFS	Healthy (Boot, Page File, Crash Dump, Primary Partition)
Backup (F:)	Simple	Basic	NTFS	Healthy (Primary Partition)
Data (E:)	Simple	Basic	NTFS	Healthy (Primary Partition)
System Reserved	Simple	Basic	NTFS	Healthy (System, Active, Primary Partition)
VBox_GAs_7.0.12 (D:)	Simple	Basic	CDFS	Healthy (Primary Partition)

Disk 1

Basic
50,00 GB
Online

Data (E:)

9,77 GB NTFS
Healthy (Primary Partition)

40,23 GB
Unallocated

Disk 2

Basic
40,00 GB
Online

Backup

40,00 GB NTFS
Healthy (Primary Partition)

CD-ROM 0

CD-ROM
51 MB
Online

VBox_GAs_7.0.12 (D:)

51 MB CDFS
Healthy (Primary Partition)

Unallocated Primary partition

Actions

Disk Management

More Actions

Select features

DESTINATION SERVER
APOLLO.cyberse.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

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

Features

- ☐ WebDAV Redirector
- ☐ Windows Biometric Framework
- ☒ Windows Defender Antivirus (Installed)
- ☐ Windows Identity Foundation 3.5
- ☐ Windows Internal Database
- ☒ Windows PowerShell (2 of 5 installed)
- ☐ Windows Process Activation Service
- ☐ Windows Search Service
- ☒ **Windows Server Backup**
- ☐ Windows Server Migration Tools
- ☐ Windows Standards-Based Storage Management
- ☐ Windows Subsystem for Linux
- ☐ Windows TIFF IFilter
- ☐ WinRM IIS Extension
- ☐ WINS Server
- ☐ Wireless LAN Service
- ☐ VM Shielding Tools for Fabric Management
- ☒ WoW64 Support (Installed)
- ☒ XPS Viewer (Installed)

Description

Windows Server Backup allows you to back up and recover your operating system, applications and data. You can schedule backups, and protect the entire server or specific volumes.

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Next >

Install

Cancel

Installation progress

DESTINATION SERVER
APOLLO.cyberse.local

Before You Begin

Installation Type

Server Selection

Server Roles

Features

Confirmation

Results

View installation progress

i Starting installation



Windows Server Backup

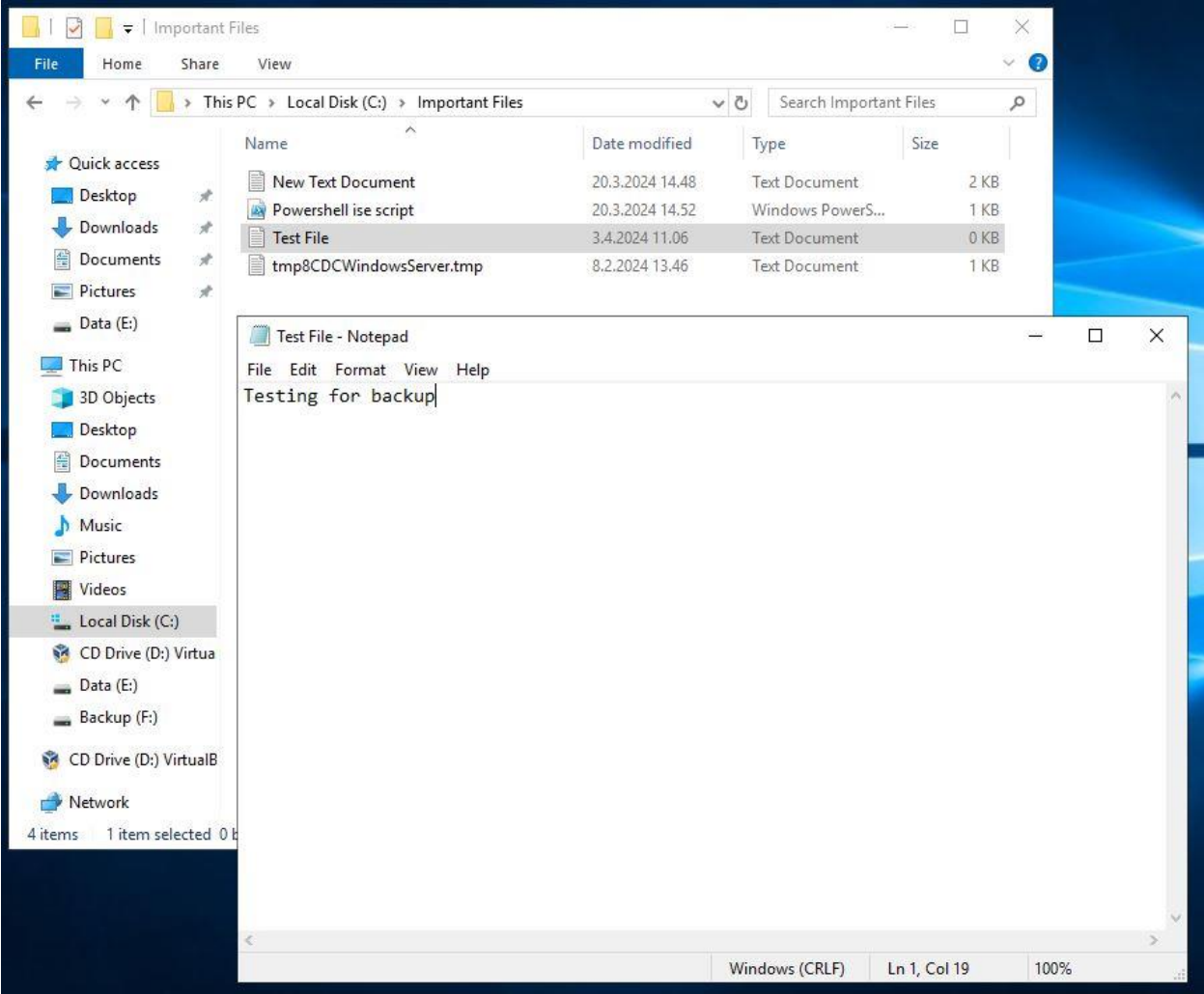
Export configuration settings

< Previous

Next >

Install

Cancel





Select Backup Configuration

Backup Options

Select Backup Configurat...

Select Items for Backup

Specify Destination Type

Confirmation

Backup Progress

What type of configuration do you want to schedule?

☐ Full server (recommended)

I want to back up all my server data, applications and system state.

Backup size: 20,12 GB

☒ Custom

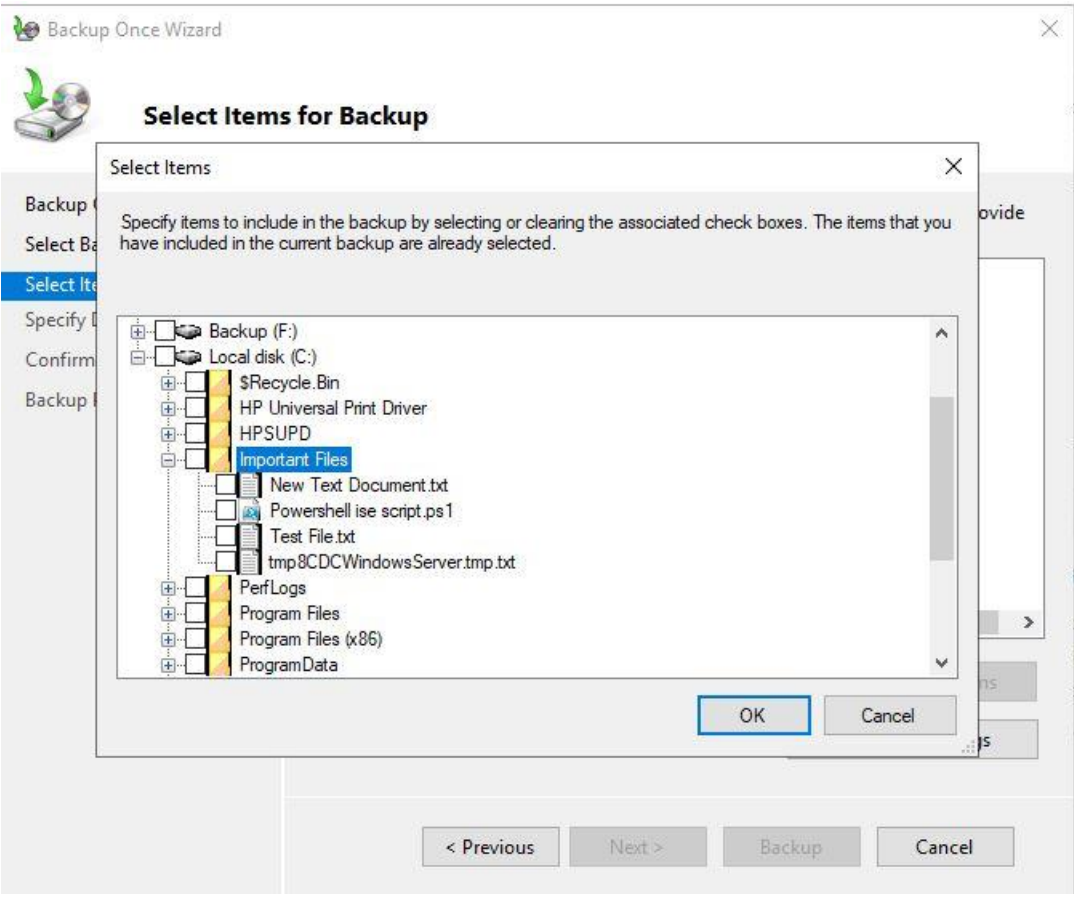
I want to choose custom volumes, files for backup.

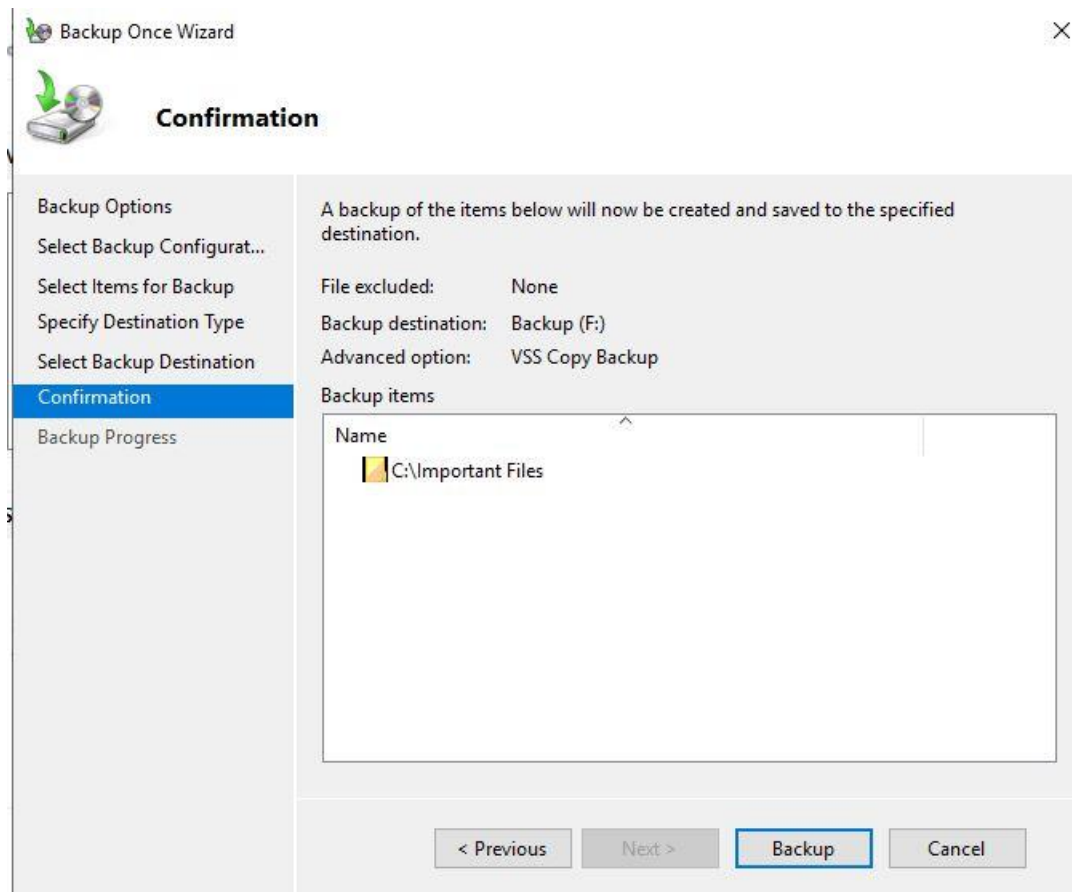
< Previous

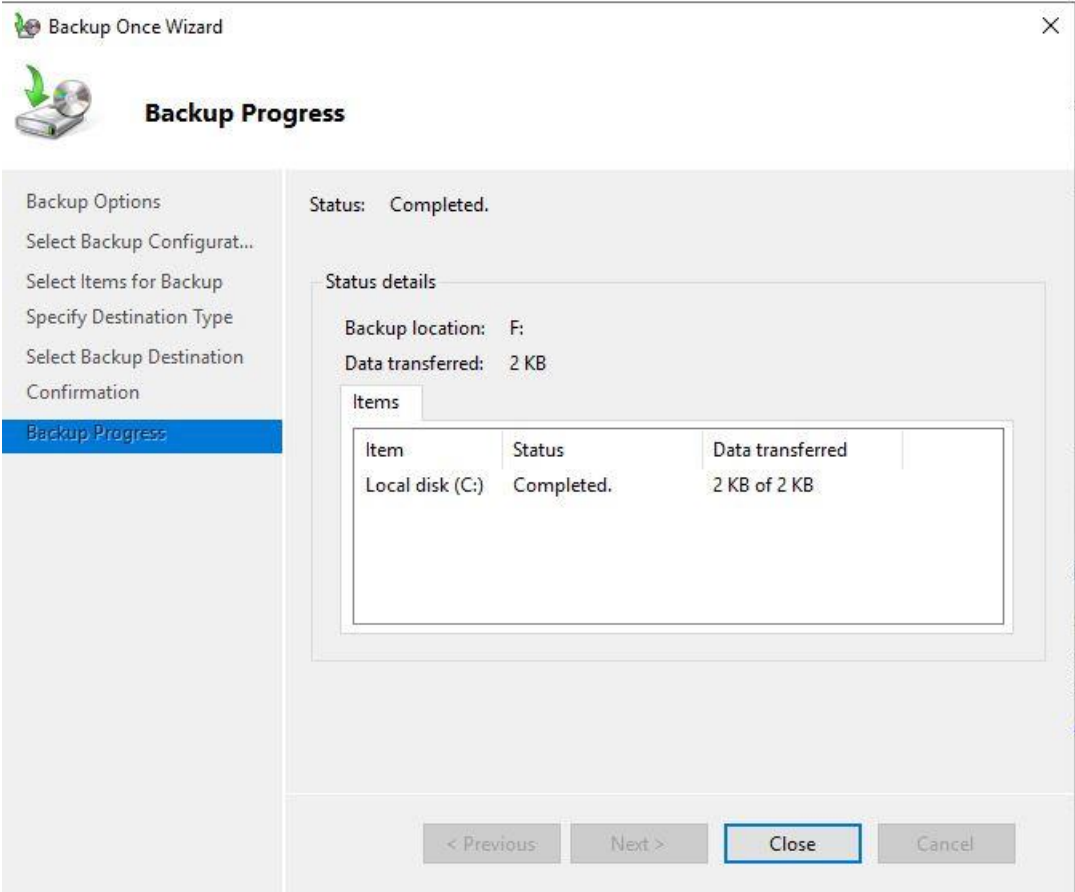
Next >

Backup

Cancel







wbadmin - [Windows Server Backup (Local)\Local Backup]

FileActionViewHelp

Windows Server Backup (Local Backup)

Local Backup

Local Backup

You can perform a single backup or schedule a regular backup using this application.

No backup has been configured for this computer. Use the Backup Schedule Wizard or the Backup Once Wizard to perform a regular backup.

Messages (Activity from last week, double click on the message to see details)

Time	Message	Description
3.4.2024 11.51	Backup	Successful

Status

Last Backup

Status: Successful

Time: 3.4.2024 11.51

[View details](#)

Next Backup

Status: Not scheduled

Time: -

[View details](#)

All Backups

Total backups: 1

Latest copy: 3.4.2024 11.51

Oldest copy: 3.4.2024 11.51

[View details](#)

Actions

Local Backup

Backup Schedule...

Backup Once...

Recover...

Configure Performance S...

View

Help

**Select Items to Recover**

Getting Started

Select Backup Date

Select Recovery Type

Select Items to Recover

Specify Recovery Options

Confirmation

Recovery Progress

Browse the tree in Available items to find the files or folders that you want to recover. Click an item in the tree or under Name to select it for recovery.

Available items:



Items to recover:

Name	Date Modified
New Text Document.txt	20.3.2024 14.48
Powershell ise script.ps1	20.3.2024 14.52
Test File.txt	3.4.2024 11.08
tmp8CDCWindowsServ...	8.2.2024 13.46


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Next >

Recover

Cancel

Recovery Wizard



Specify Recovery Options

Getting Started

Select Backup Date

Select Recovery Type

Select Items to Recover

Specify Recovery Options

Confirmation

Recovery Progress

Recovery destination

☒ Original location

☐ Another location

Browse

When this wizard finds items in the backup that are already in the recovery destination

☐ Create copies so that you have both versions

☐ Overwrite the existing versions with the recovered versions

☒ Do not recover the items that already exist on the recovery destination

Security settings

☒ Restore access control list (ACL) permissions to the file or folder being recovered


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Next >

Recover

Cancel

Recovery Wizard



Confirmation

Getting Started

Select Backup Date

Select Recovery Type

Select Items to Recover

Specify Recovery Options

Confirmation

Recovery Progress

From backup:3.4.2024 11:51

Recovery items:

C:\Important Files\New Text Document.txt
C:\Important Files\Powershell ise script.ps1
C:\Important Files\tmp8CDCWindowsServer.tmp.txt

Recovery destination:Original location

Recovery option:Take no action for existing files and folders

Security settings:Recover

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Next >

Recover

Cancel



Recovery Progress

- Getting Started
- Select Backup Date
- Select Recovery Type
- Select Items to Recover
- Specify Recovery Options
- Confirmation
- Recovery Progress**

File recovery progress:

Status: Completed.

Recovery details:

Items

Item	Destination	Status	Data transferred
C:\Importa...	C:\Important Files\	Completed.	2 KB of 2 KB
C:\Importa...	C:\Important Files\	Completed.	1 KB of 1 KB
C:\Importa...	C:\Important Files\	Completed.	1 KB of 1 KB

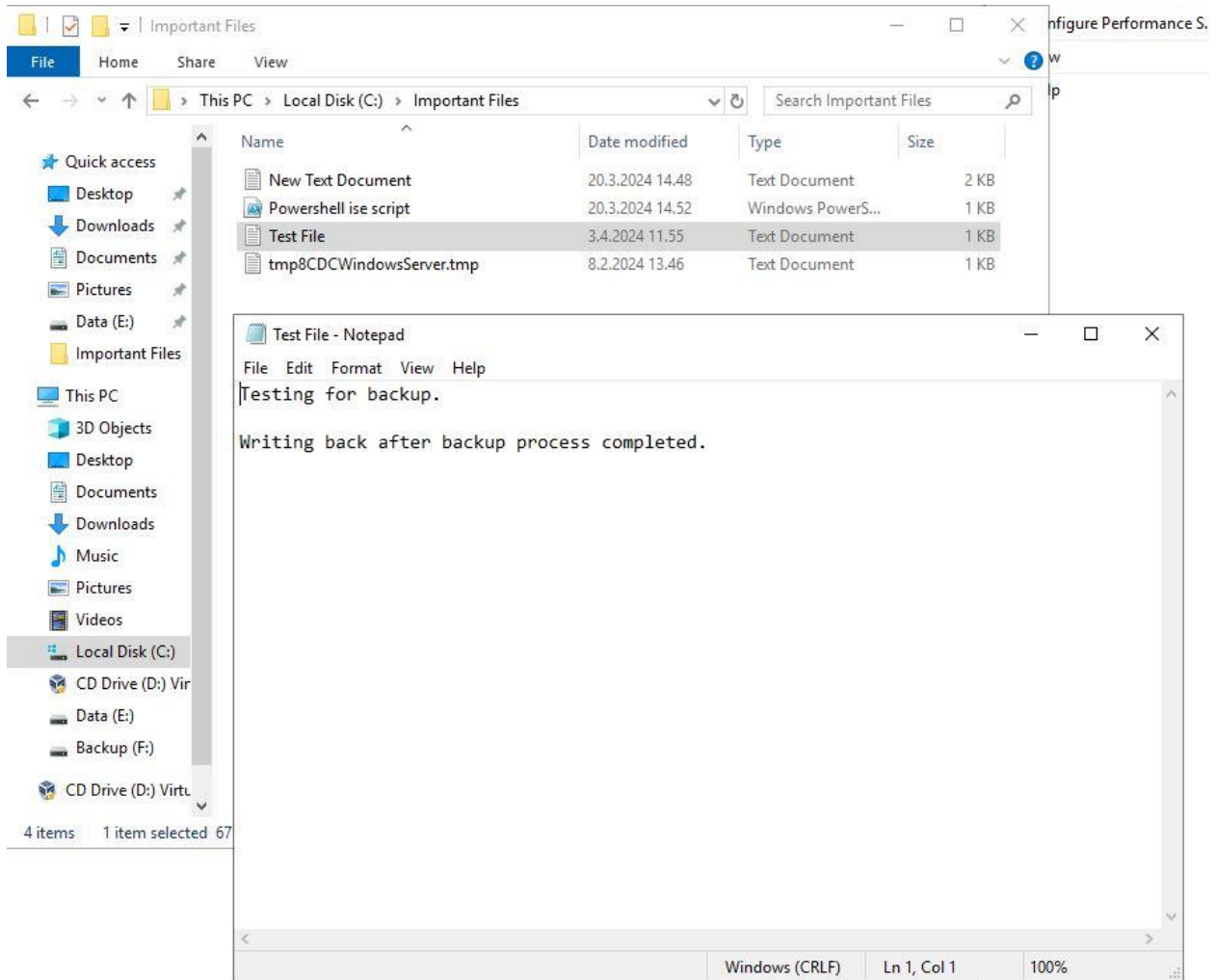
To close the wizard, click Close — the recovery operation will continue to run in the background. To view the progress of this operation, open the backup in progress message from the Windows Server Backup console.

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Next >

Close

Cancel



Local Backup



You can perform a single backup or schedule a regular backup using this application.



A scheduled backup has not been configured for this computer. Use the Backup Schedule Wizard to set up a regular, automated backup.

Messages (Activity from last week, double click on the message to see details)

Time	Message	Description
 3.4.2024 12.02	File recovery	Successful
 3.4.2024 11.51	Backup	Successful

Status

Last Backup

Status:  Successful
Time: 3.4.2024 11.51

 [View details](#)

Next Backup

Status: Not scheduled
Time: -

 [View details](#)

All Backups

Total backups: 1 c
Latest copy: 3.4
Oldest copy: 3.4

 [View details](#)