

# **SECURITY+ V4 LAB SERIES**

# Lab 24: Performing Backups

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	Material in this Lab Aligns to the Following	
CompTIA Security+ (SY0-601) Exam Objectives	2.5: Given a scenario, implement cybersecurity resilience	
All-In-One CompTIA Security+ Sixth Edition ISBN-13: 978-1260464009 Chapters	13: Cybersecurity Resilience	

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### Introduction

In this lab, you will configure a backup on a Windows server. You will then customize the backup settings to back up the file to a local drive and recover it.

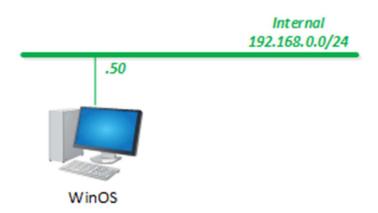
## **Objective**

In this lab, you will perform the following tasks:

• Learning disaster recovery and continuity of operations concepts



# **Lab Topology**





## **Lab Settings**

The information in the table below will be needed in order to complete the lab. The task sections below provide details on the use of this information.

Virtual Machine	IP Address	Account (if needed)	Password (if needed)
WinOS	192.168.0.50	Administrator	NDGlabpass123!



## 1 Schedule a Windows Server Backup

In this task, you will set up and schedule a Windows server backup. Then you will customize the Windows server backup to target a remote destination on the network.

Launch the WinOS virtual machine to access the graphical login screen. While on the splash screen, focus on the NETLAB+ tabs. Click the dropdown menu for the WinOS tab and click on Send CTRL+ALT+DEL.



2. Log in as Administrator using the password NDGlabpass123!.

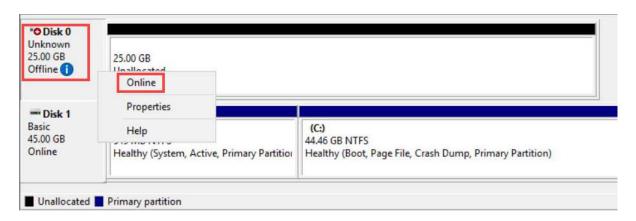




3. Once logged in, click the search icon and type disk management into the search field. From the results, click on Create and format hard disk partitions.

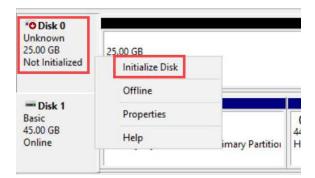


4. In the Disk Management window, in the bottom pane, right-click on Disk 0 and select Online.

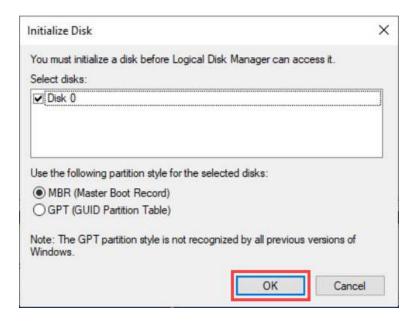




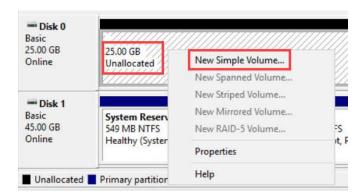
5. Notice the message changes from *Offline* to *Not Initialized*. Right-click on **Disk 0** once more and this time select **Initialize Disk**.



6. An Initialize Disk window appears, leave the defaults, and click OK.

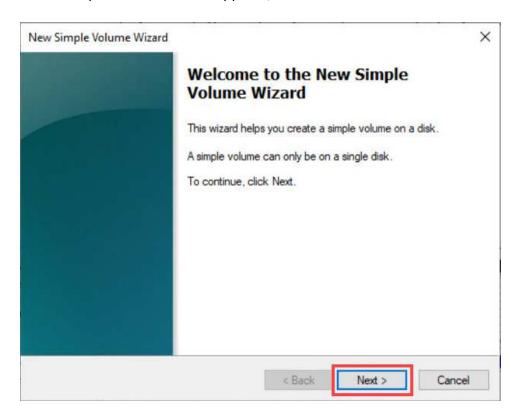


7. Notice *Disk 0* appears *Online*. Right-click on the **Unallocated** space for *Disk 0* and select **New Simple Volume**.

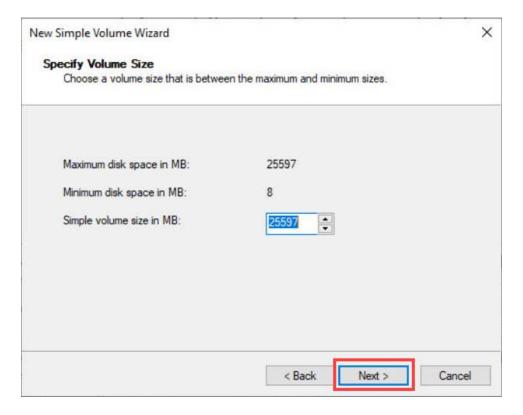




8. A New Simple Volume Wizard appears, click Next.

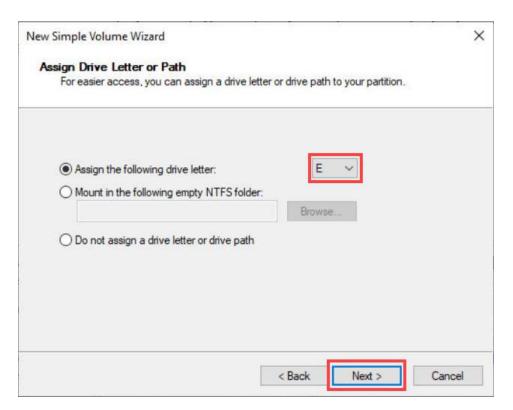


9. For the next step in the wizard, leave the default value of 25597 MB and click Next.

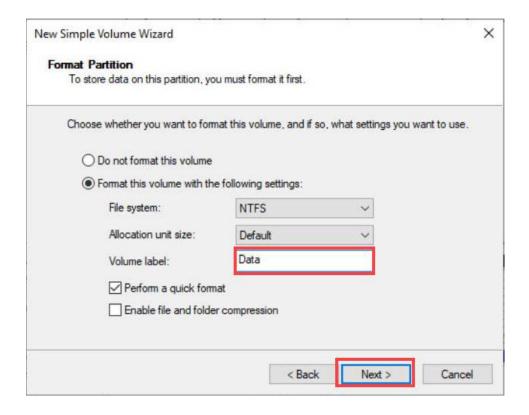




#### 10. Assign the drive letter E and click Next.

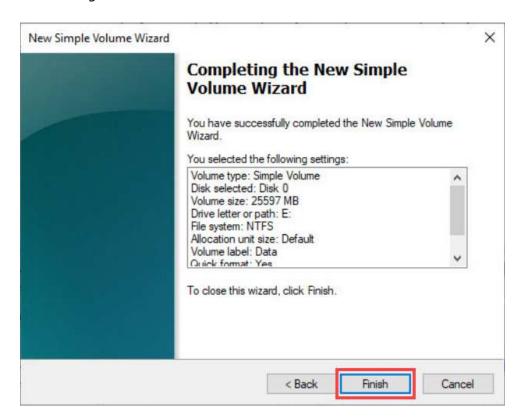


#### 11. Rename the Volume label to Data and click Next.

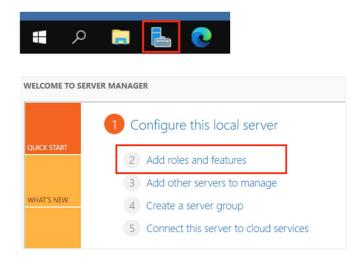




12. For the last step in the wizard, click **Finish**. Notice a new useable partition is available. Close the *Disk Management* window.

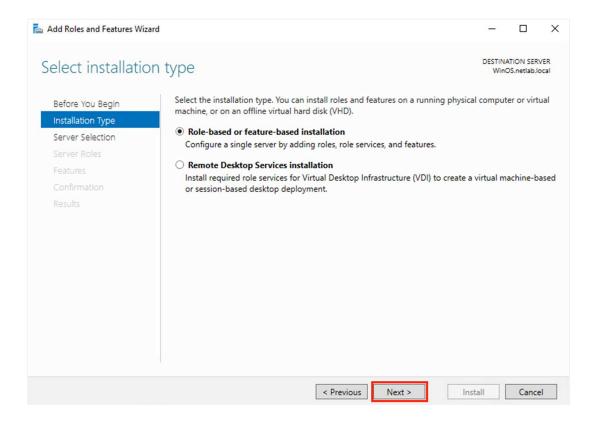


13. Click the Server Manager icon to launch it. Click Add roles and features option.

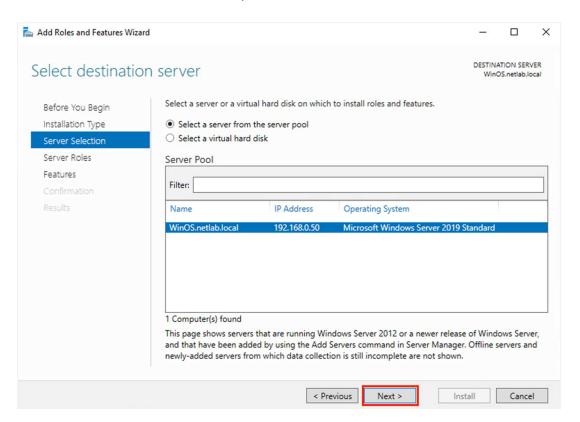




14. In the *Add Roles and Features Wizard* window, in the *Select installation type* step, click the **Next** 

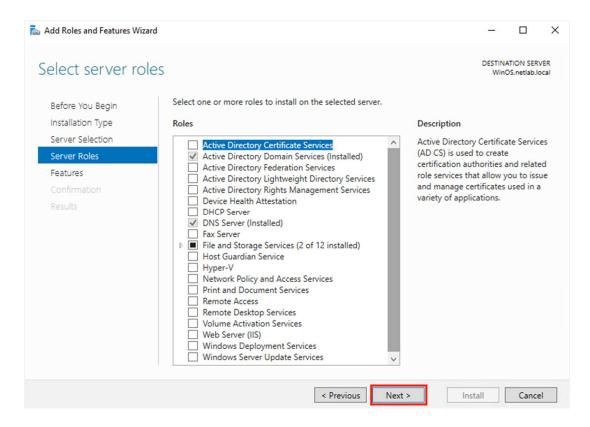


15. At the Select destination server step, click Next.

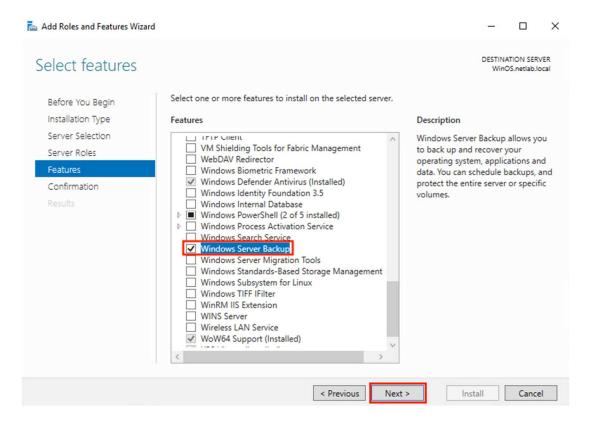




16. At the Select server roles step, click Next.

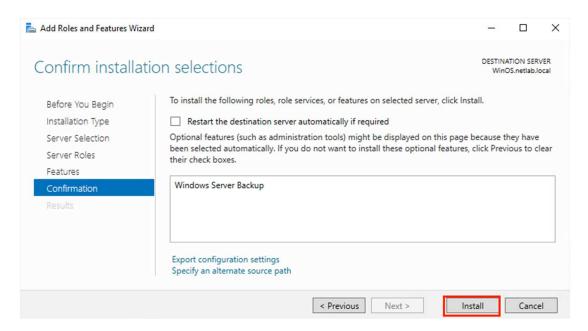


17. At the *Select features* step, scroll down in the *Features* box until you see *Windows Server Backup*; click to check the **Windows Server Backup** feature, click **Next.** 

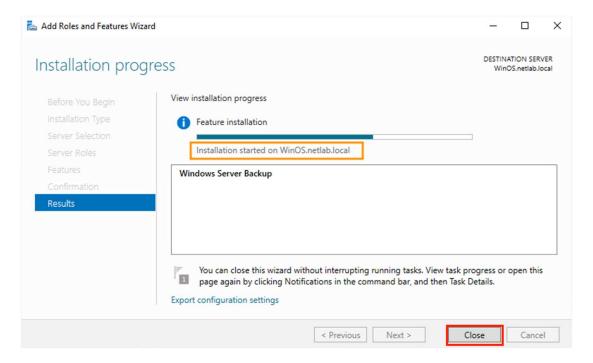




18. At the Confirm installation selections step, click Install.



19. Wait until the installation finishes; click the **Close** button.

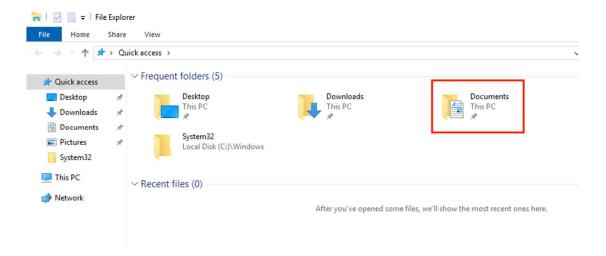


20. In the taskbar, click to open the File Explorer.

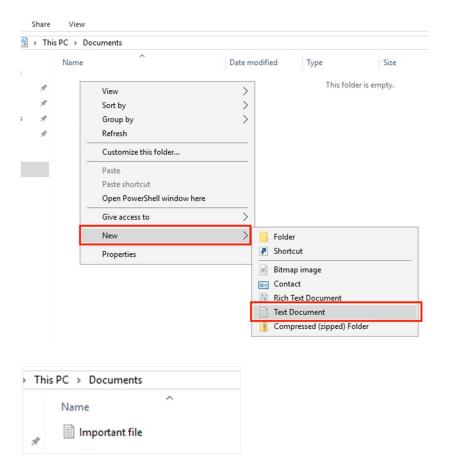




21. In the File Explorer window, double-click to open the Documents folder.

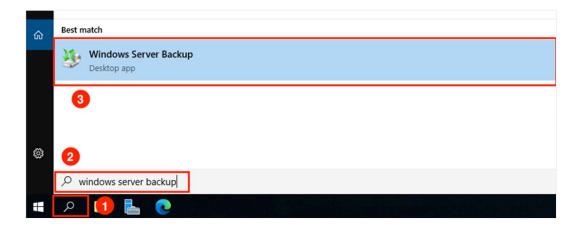


22. When you are in the *Documents* folder, right-click and select **New > Text Document**. Name it **Important file**.

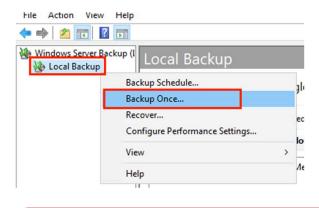




23. Leave the window open, click on the **search** icon in the taskbar, and type **windows server backup**. Click the **Windows Server Backup** from the search result list.



24. Notice the *wbadmin console* windows appears. In the left pane, click on **Local Backup**. Notice the pane to the right changes, right-click on **Local Backup** in the left pane and click on **Backup Once.** If you don't see the option available, wait one minute for the application to finish initializing.

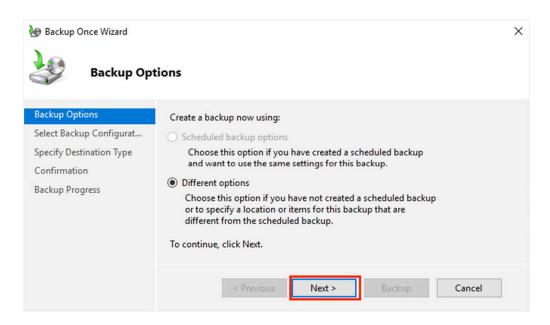




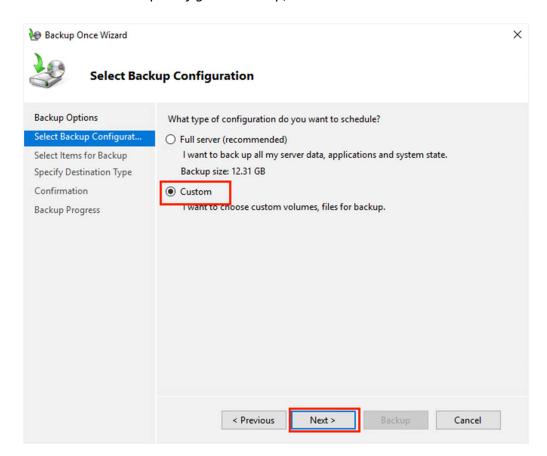
Normally you want to create a backup schedule. Because scheduled backups will happen on the hour, for time purposes, we will select the **Backup Once** option.



25. The *Backup Once Wizard* appears. On the *Backup Options* step, leave the default setting and click **Next**.

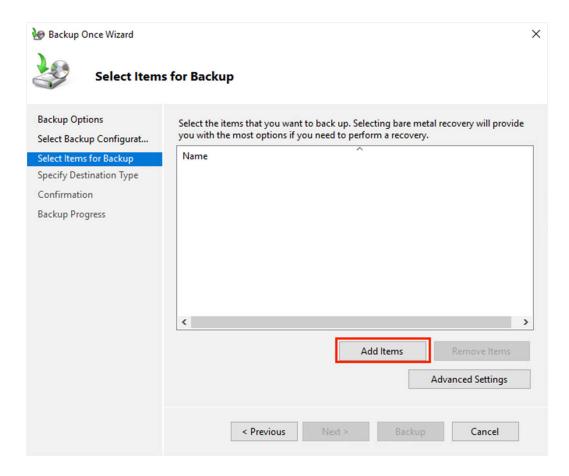


26. On the Select Backup Configuration step, select the radio button for Custom and click Next.

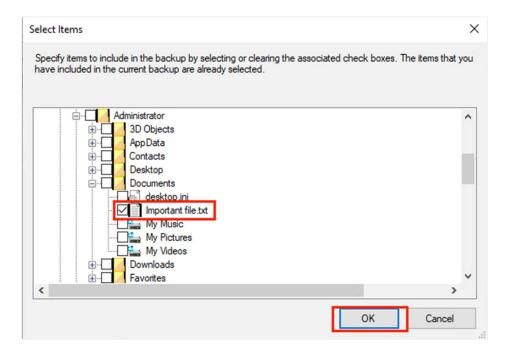




27. On the Select Items for Backup step, click on the Add Items button.

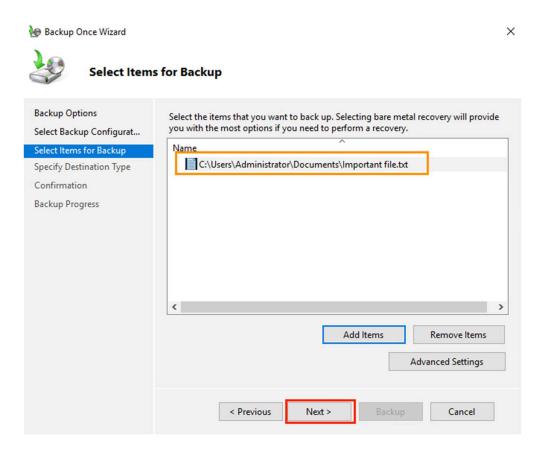


28. In the *Select Items* window, expand **Local disk (C:) > Users > Administrator > Documents**. Check the checkbox for **Important file.txt** and click **OK**.

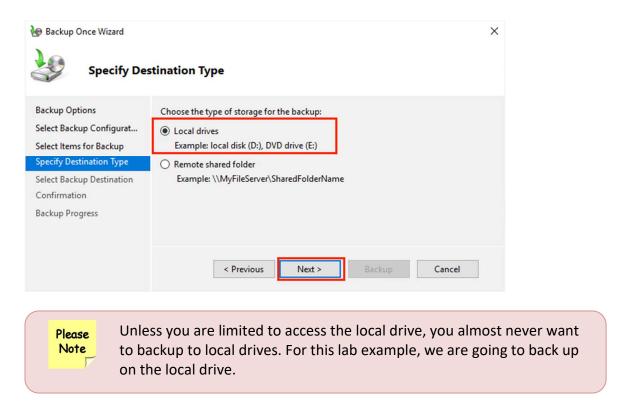




29. Back on the Backup Once Wizard window, ensure that Important file.txt is listed and click Next.

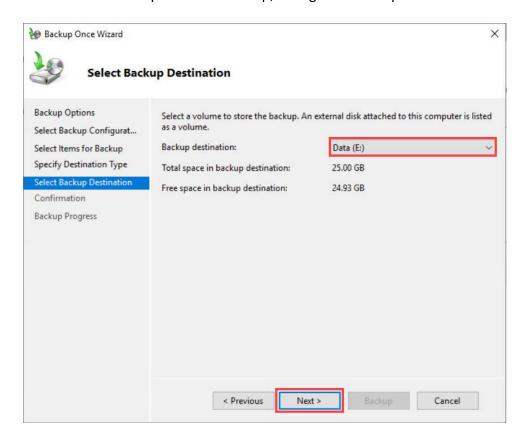


30. On the Specify Destination Type step, select the radio button for Local drives and click Next.

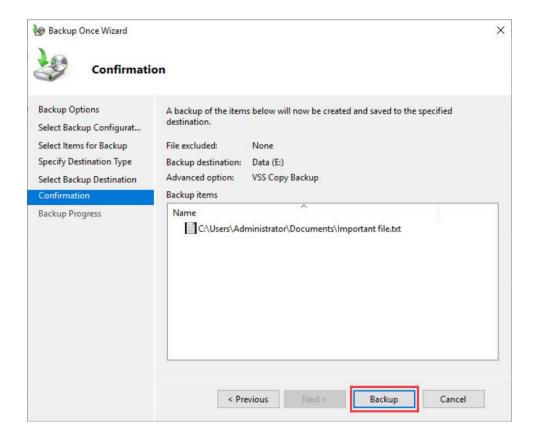




31. On the Select Backup Destination step, change the Backup destination to Data (E:) and click Next.

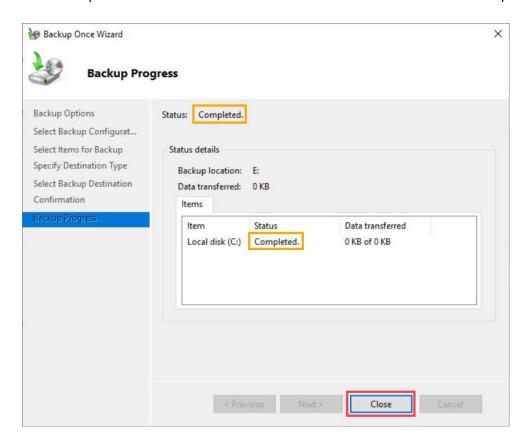


32. On the Confirmation step, review the confirmation information and click Backup.





33. The backup will take 1-2 minutes to finish. When the status shows as Completed, click Close.

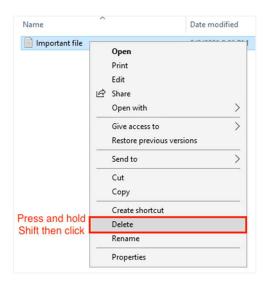


34. You will be brought back to the *wbadmin* window. Click the **button** to minimize it and continue to the next task.



## 2 Recover the Lost File from a Backup

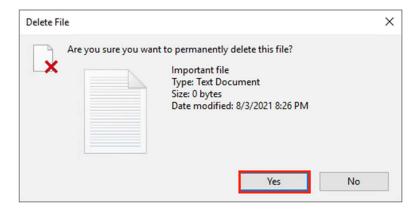
1. Switch back to the **File Explorer** with the *Documents* folder opened. Right-click on the **Important file**, press and hold the **Shift** key on the keyboard, and select **Delete** in the menu.





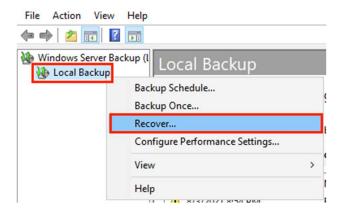
The Shift key will skip the Recycle Bin and directly delete the file.

2. A pop-up window will show, click Yes.

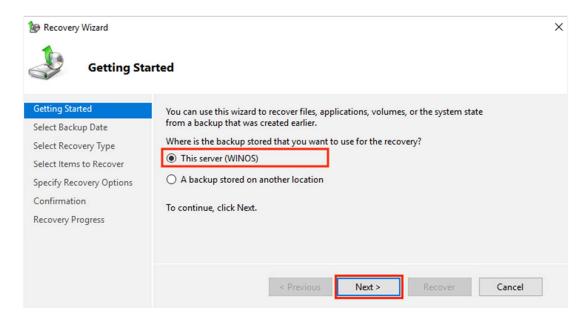




3. Switch back to the *Windows Server Backup* window, right-click on the **Local Backup**, then select **Recover**.

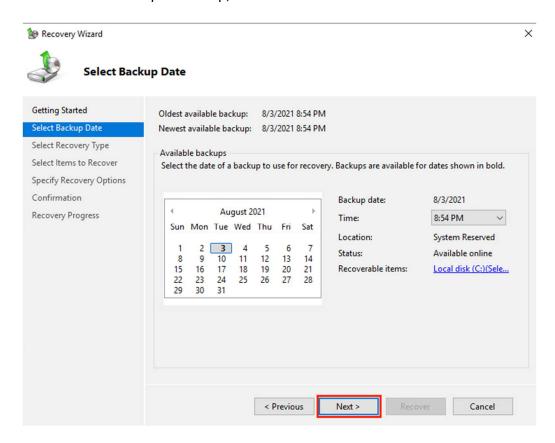


4. On the Getting Started step, make sure the radio button This server (WINOS) is selected.

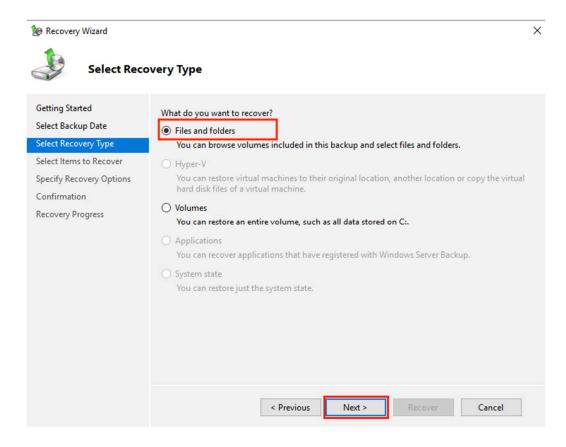




5. On the Select Backup Date step, click Next.

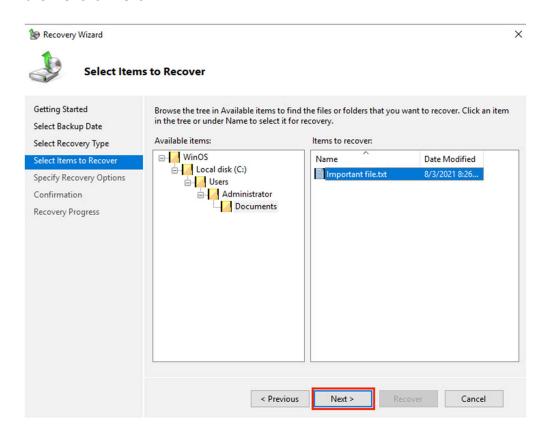


6. On the Select Recovery Type step, make sure the radio button Files and folders is selected.

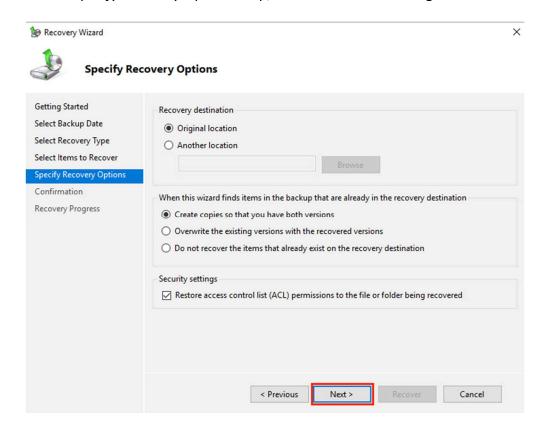




7. On the Select Items to Recover step, expand every folder in the Available items box and then select the Documents folder. Make sure the Items to recover pane has Important file.txt in it and select the file. Click Next.

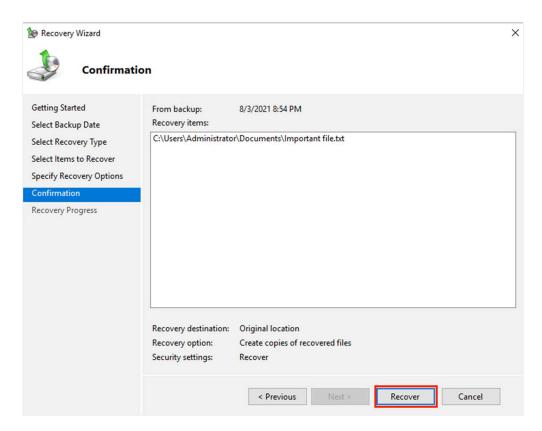


8. On the Specify Recovery Options step, leave the default setting and click Next.

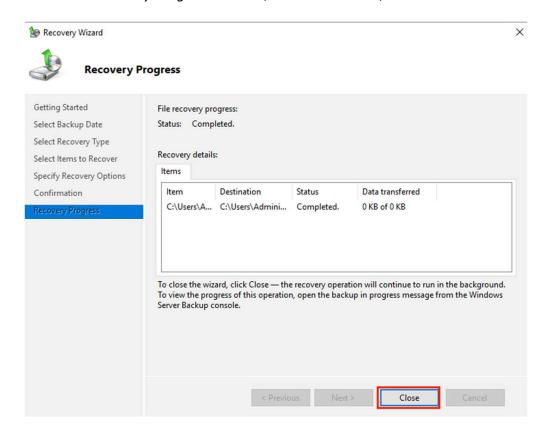




9. On the Confirmation step, click Recover.

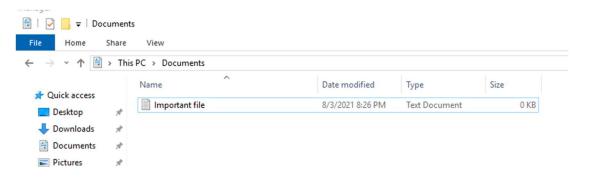


10. When the Recovery Progress finishes, click Close. Then, close the Windows Server Backup window.





11. Switch back to the **Documents** window and notice that the deleted file is back.



12. The lab is now complete; you may end your reservation.