

Lab 9.5.10 Backup an AD Domain Controller

From TestOut CompTIA Security+ Course

In this lab I will be taking a backup of a Corporate Active Directory Domain Controller. I will do this from one of the Domain Controllers which by default will also backup the other controllers in this domain.

The scenario for this lab is as follows:

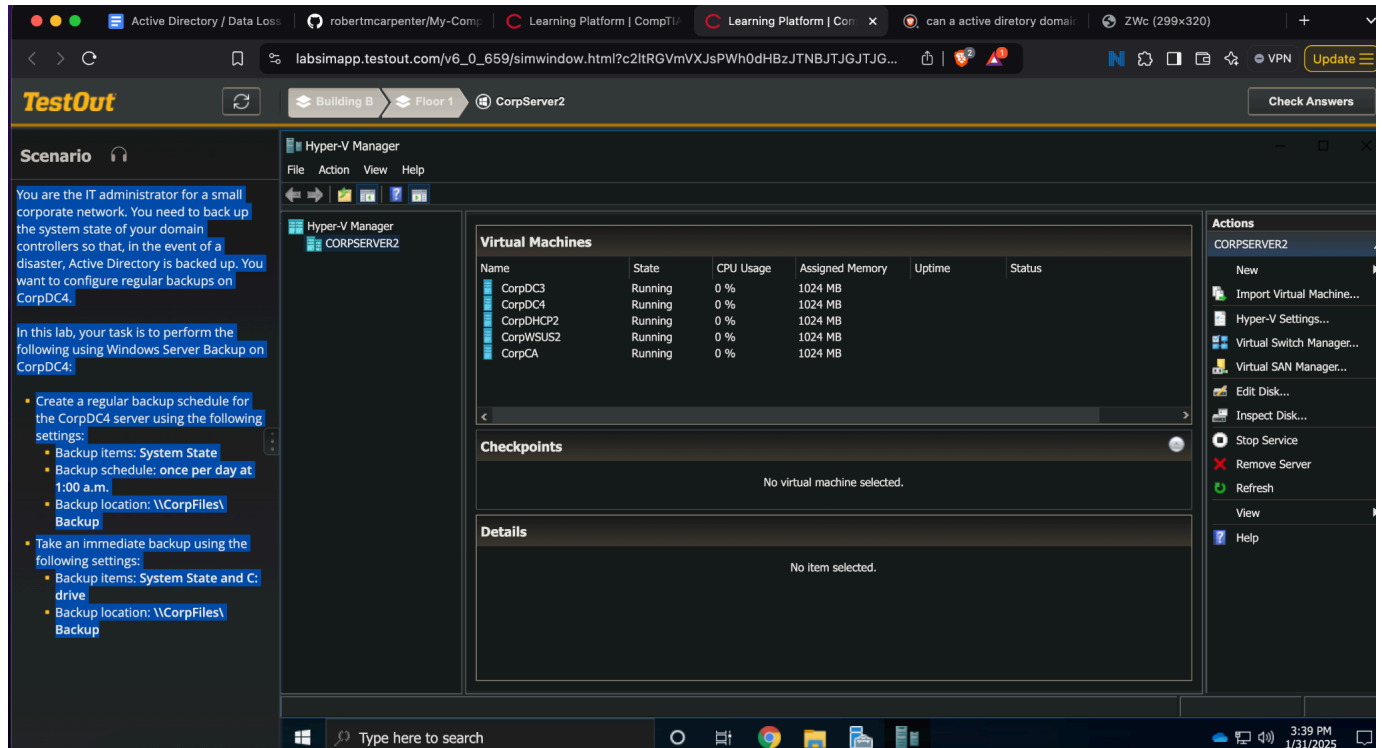
“You are the IT administrator for a small corporate network. You need to back up the system state of your domain controllers so that, in the event of a disaster, Active Directory is backed up. You want to configure regular backups on CorpDC4.

In this lab, your task is to perform the following using Windows Server Backup on CorpDC4:

- Create a regular backup schedule for the CorpDC4 server using the following settings:
 - Backup items: System State
 - Backup schedule: once per day at 1:00 a.m.
 - Backup location: \\ CorpFiles \ Backup
- Take an immediate backup using the following settings:
 - Backup items: System State and C: drive
 - Backup location: \\ CorpFiles \ Backup”

The great thing about Windows Server Active Directory Domain Controllers, is that when you make a change to one Controller, all changes get pushed out to the other ones in the domain. In this Lab , I will need to make the backup configuration specifically on the **CorpDC4** machine which is one of the Domain Controllers in this enterprise environment.

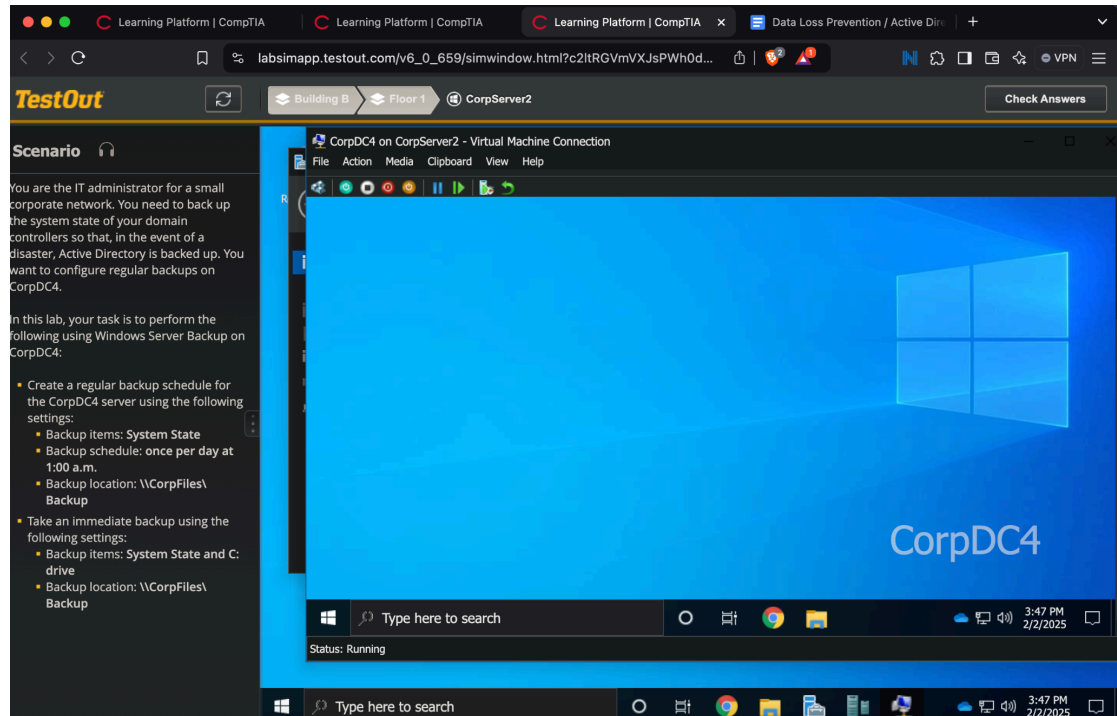
In this specific corporate environment, the Domain Controllers are running as Virtual Machines. To access the **CorpDC4** Domain Controller VM, I will need to open the **Hyper-V Manager** on my Windows Server machine named **CorpServer2**.



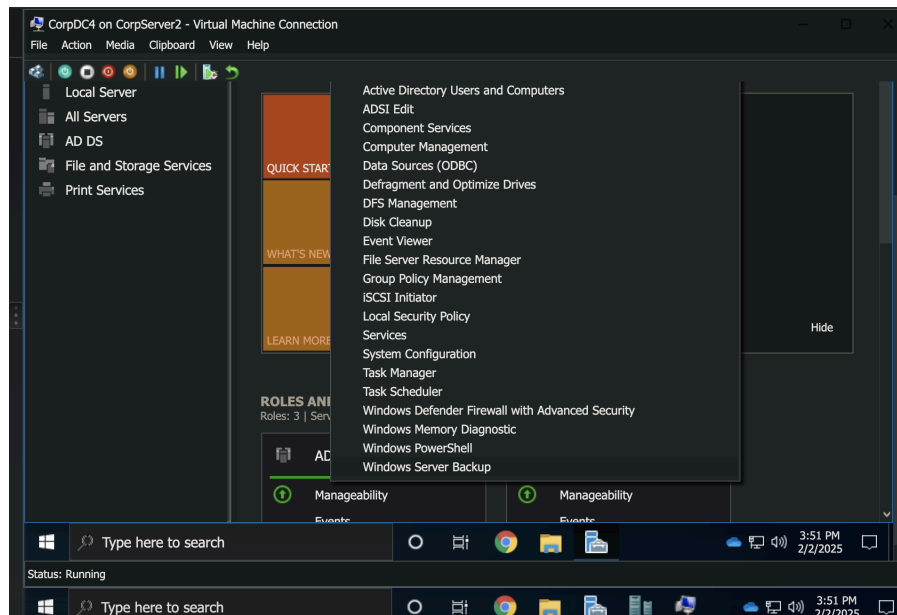
I can see on the left menu pane the name of this machine is indeed **CORPSEVER2**. On the Right menu pane, I can see all of the VMs running within this **Hyper-V** environment. From the list, I will select the **CorpDC4** VM by double clicking it.

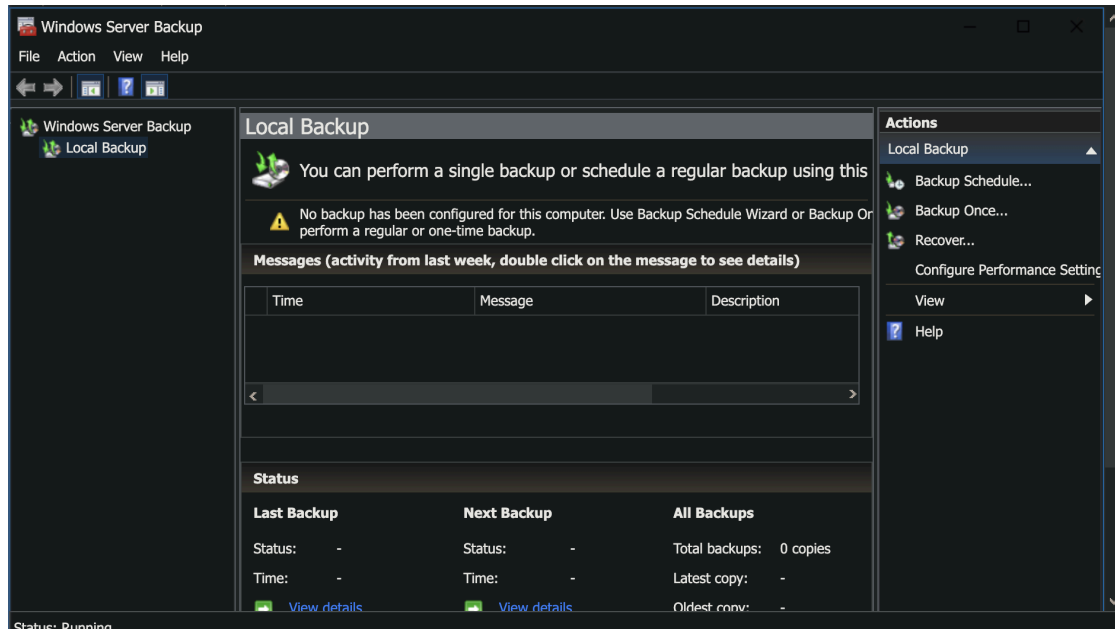
Double clicking the **CorpDC4** VM drops me into another Windows GUI environment. I am now effectively logged into the **CorpDC4** Domain Controller and see on the top menu bar that I am in **CorpServer2 > CorpDC4**.

Robert Carpenter
github.com/robertmcarpenter
Sun February 2nd 2025



Now, I will open the **Server Manager** program in **CorpDC4**. Once **Server Manager** opens I'll click **Tools > Windows Server Backup**.

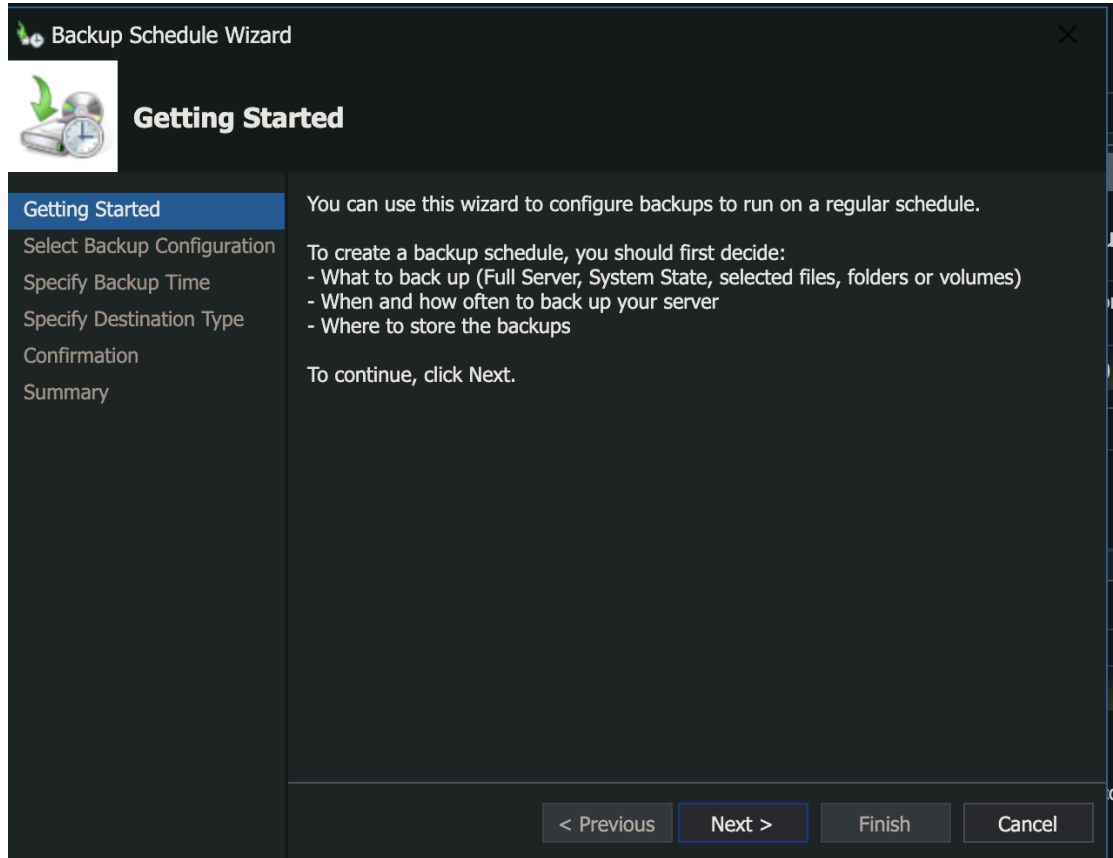




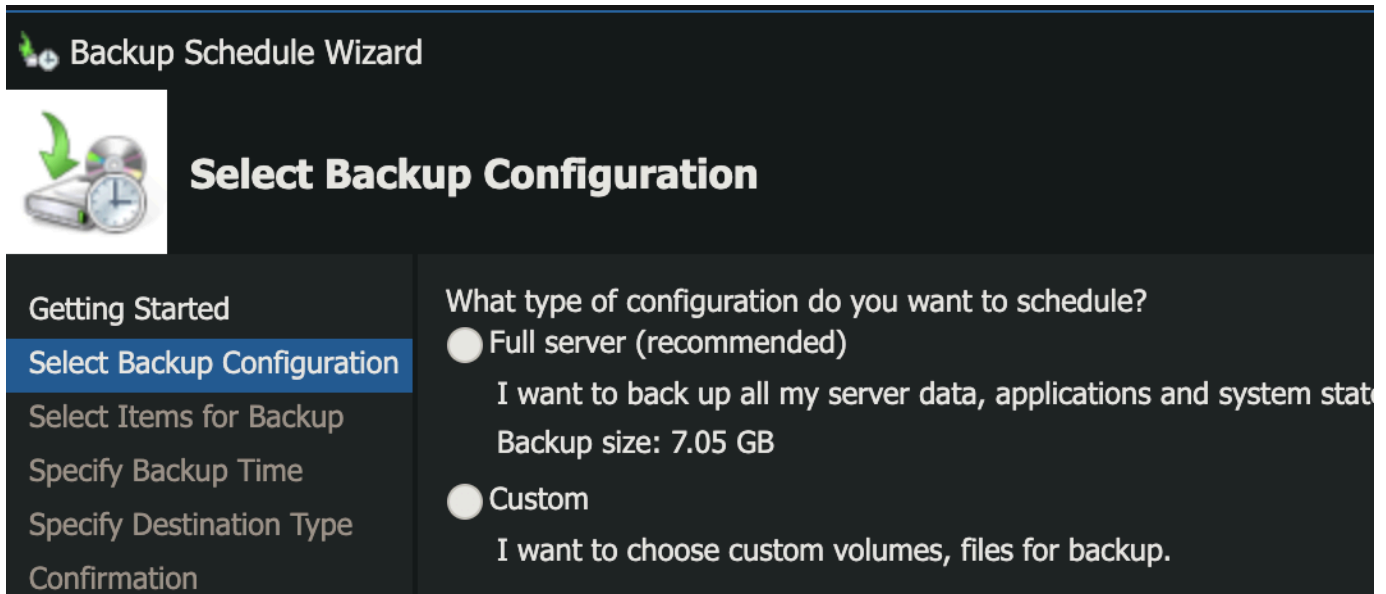
According to the lab I need to configure the backup with these parameters:

- Create a regular backup schedule for the CorpDC4 server using the following settings:
 - Backup items: System State
 - Backup schedule: once per day at 1:00 a.m.
 - Backup location: \\CorpFiles\Backup

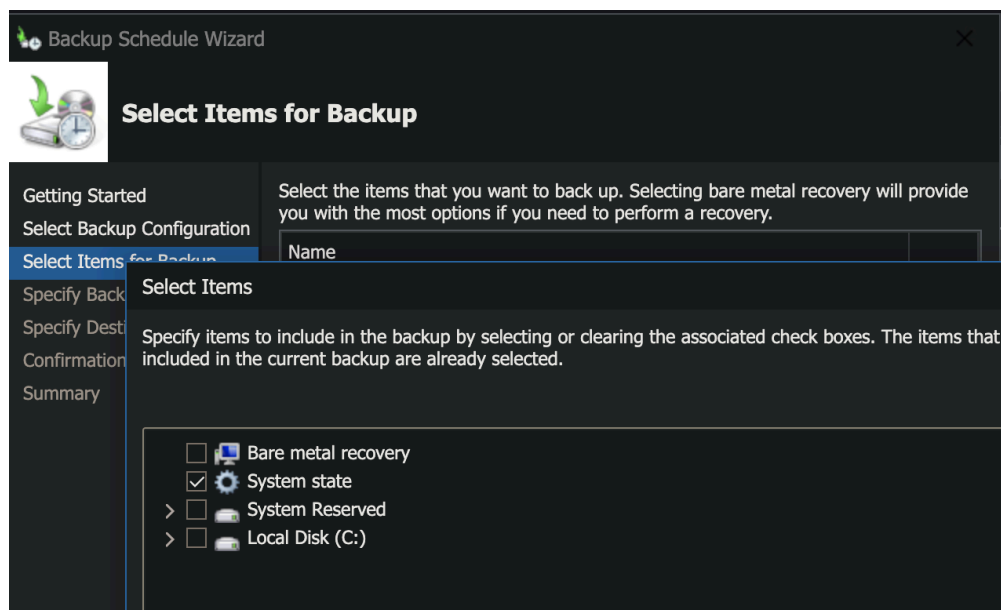
I'll select **Local Backup** from the left pane and then select **Backup Schedule**. This will bring up a wizard that helps us configure settings since this is the first time I'm turning it on.



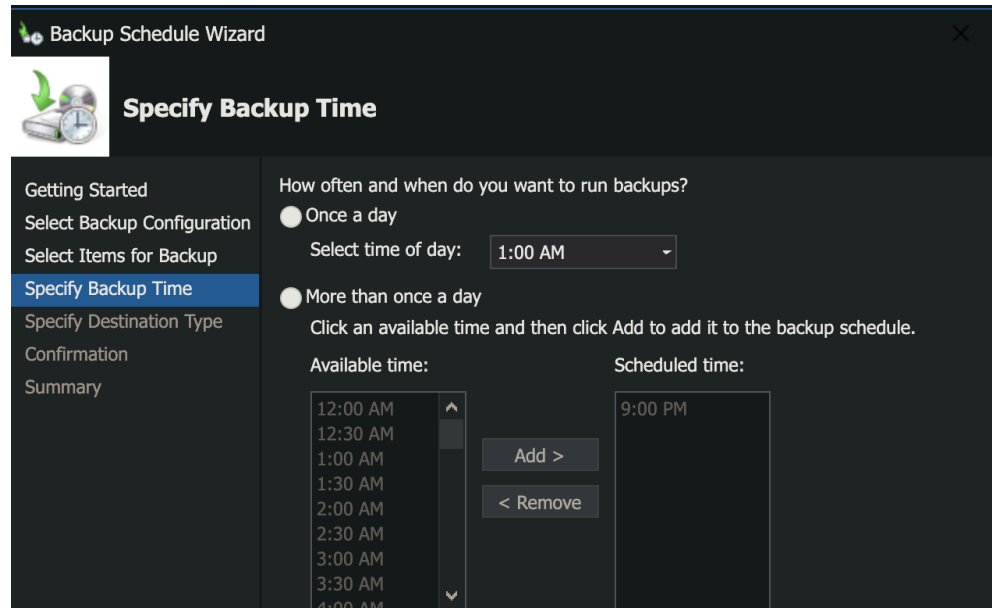
On the next page after clicking **Next**, the wizard prompts me to select what exactly I would like to backup. Since the lab wants me to just backup the System State and not the Full entire Server, I will click the **Custom checkbox**.



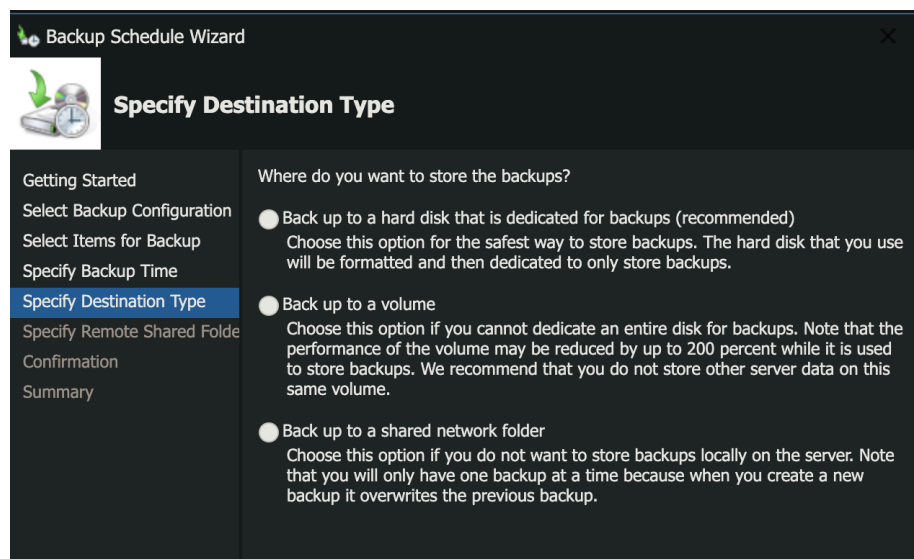
Now, I'll click Next. A new prompt appears asking me to specify exactly what items I want to backup. In the list I will select **System State** then click Next.

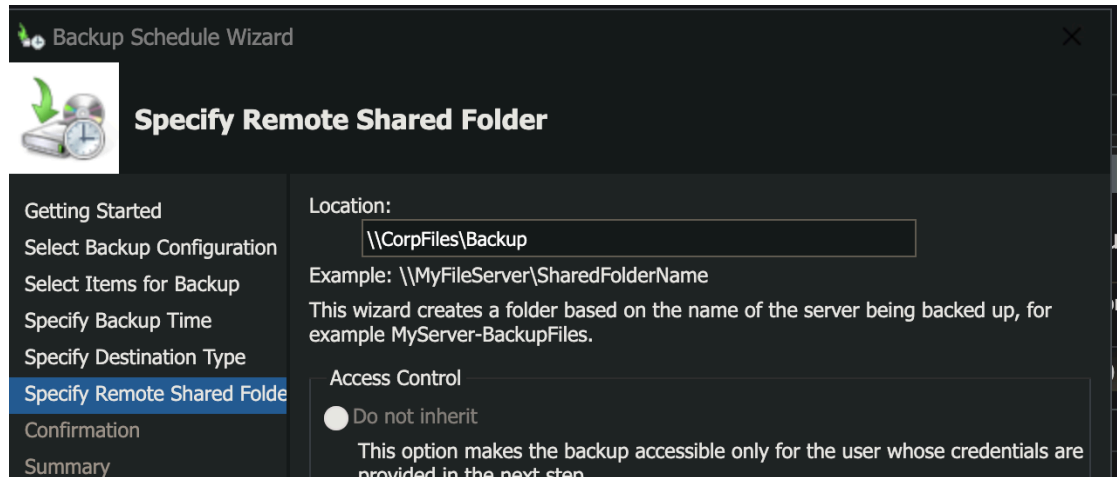


On the next page, the wizard asks me **when** I would like for the server to backup. As the lab instructs, I will select **Once a Day** and **1:00am** in the drop down menu under time.

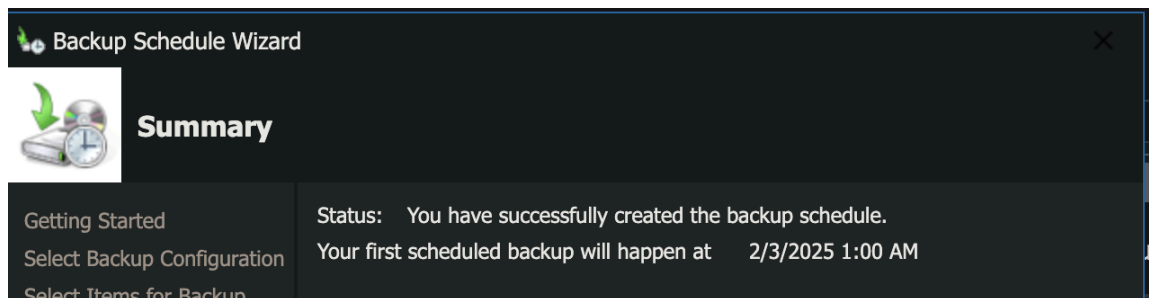


The next page asks where I would like to save the backup. A good practice is to save it elsewhere that way if something happens to the server the backups are not lost with it. In this case the lab is asking me to save it to **\\CorpFiles \ Backup**. The two \\ indicates that this is a network SMB share. I will select **Backup to a shared network folder**.





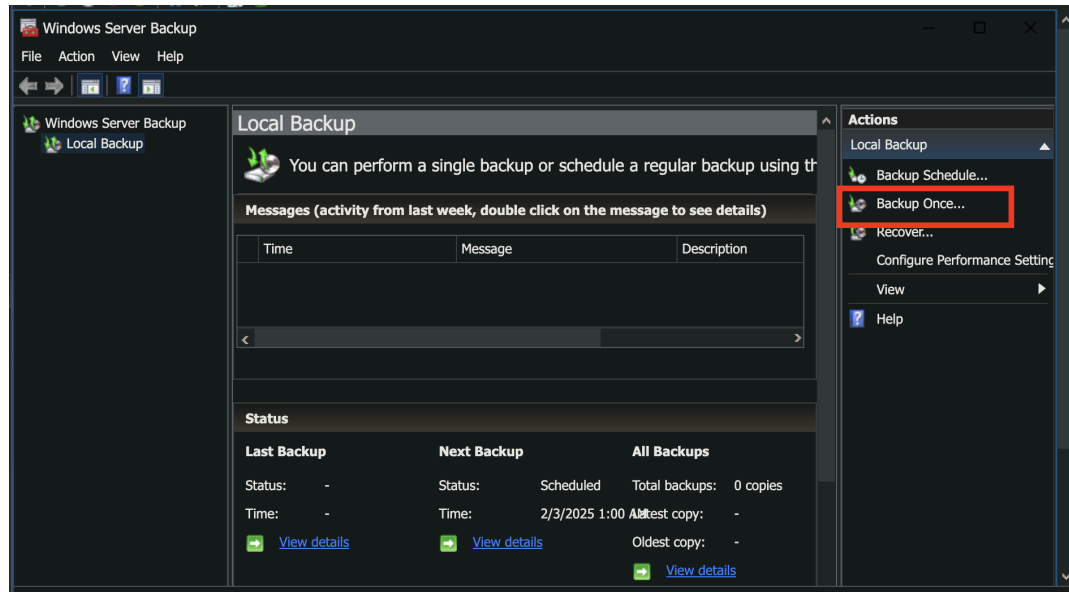
I'll enter in the file path to the network share and folder, then hit **Finish** to close out the **Backup Schedule Wizard**.



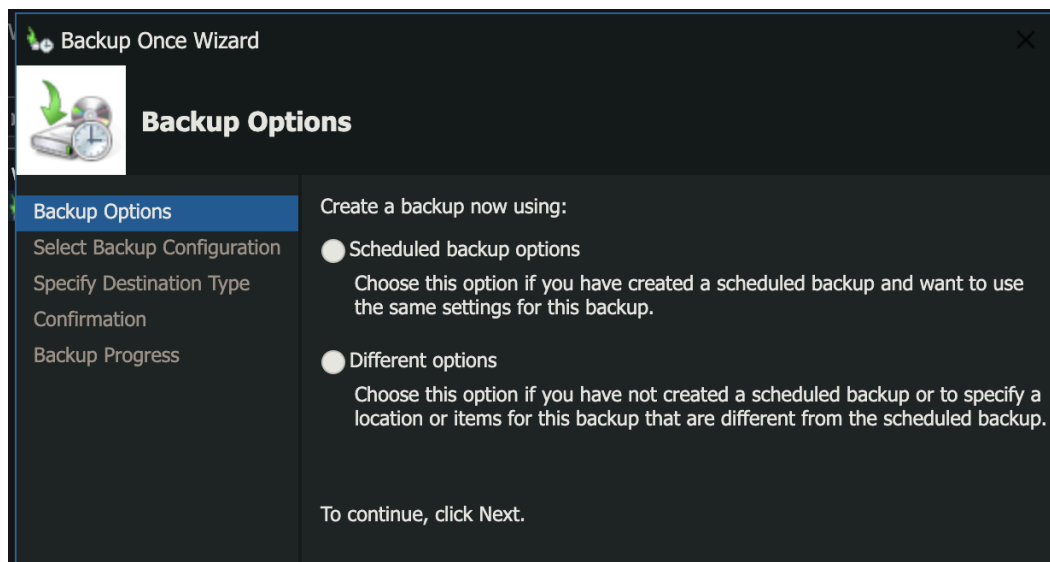
Success! Our **CorpDC4** Domain Controller will be backed up every day at the time I specified. I will now move on to the next part of this lab which is to take an immediate backup according to these instructions:

- Take an immediate backup using the following settings:
 - Backup items: **System State and C: drive**
 - Backup location: **\\CorpFiles\\Backup**

This will be a one-time backup and will not run on a schedule. On the far right manu pane I'll select **Backup Once**.



This time, the **Backup Once Wizard** is launched and asks if I would like to take a Backup with the same rules and parameters which I have set for my **Scheduled Backup**. Since I also need to save a copy of the **C:** Drive, I'll select **Different Options**.

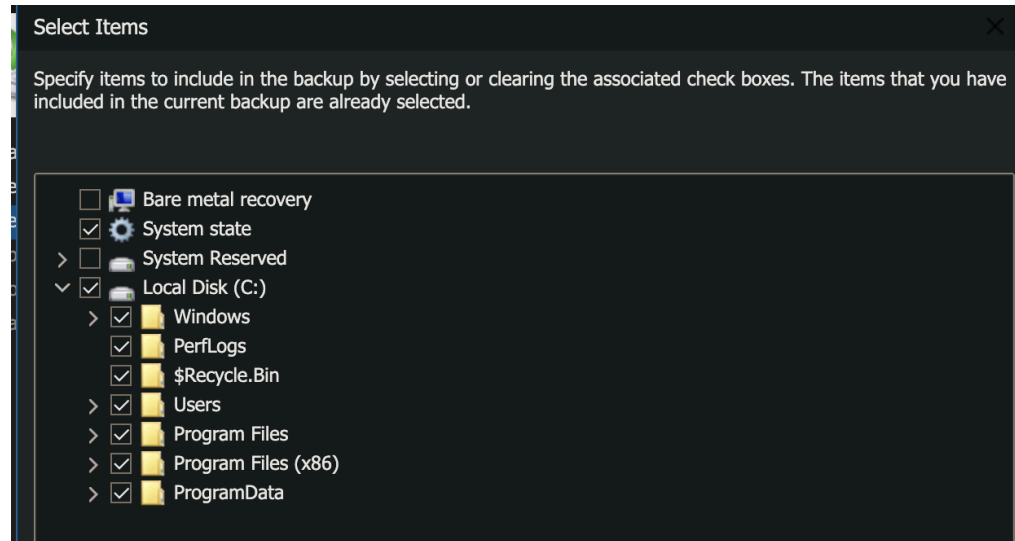


In the **Select Items** menu I will check the boxes for **System State** as well as the **C:** Drive.

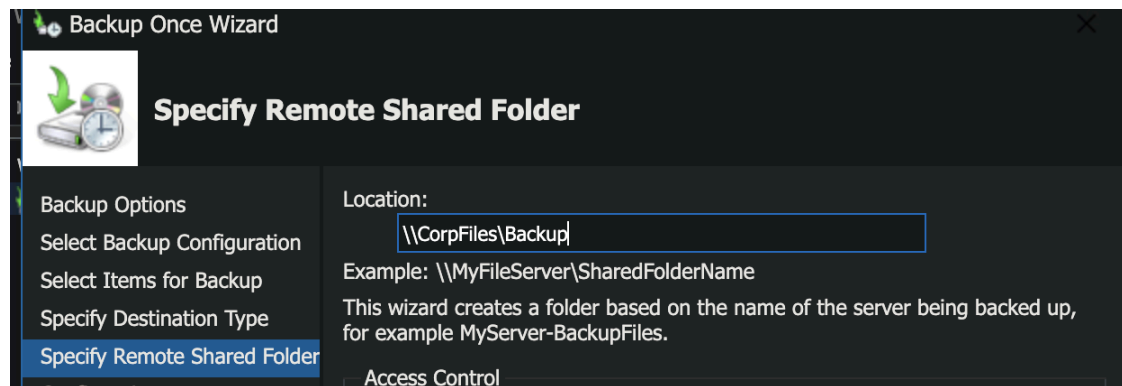
Robert Carpenter

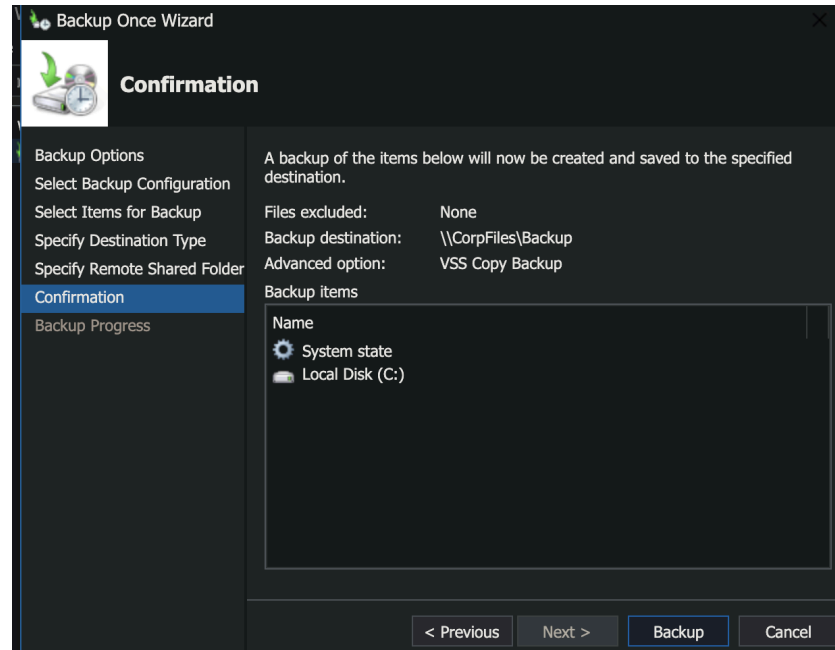
github.com/robertmcarpenter

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Once again I will enter in the file path to my Backup Folder on the **\\CorpFiles** Network share.





Once everything looks correct I will hit the **Backup Now** button.

Success! I have now completed both tasks of the lab which again, was the following:

- **Create a regular backup schedule for the CorpDC4 server using the following settings:**
 - **Backup items: System State**
 - **Backup schedule: once per day at 1:00 a.m.**
 - **Backup location: \\ CorpFiles \ Backup**
- **Take an immediate backup using the following settings:**
 - **Backup items: System State and C: drive**
 - **Backup location: \\ CorpFiles \ Backup**

This will now conclude this lab regarding backing up a Domain Controller. Please see below for my Lab Report score:

Robert Carpenter
github.com/robertmcarpenter
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The screenshot shows a web browser window with the TestOut interface. The browser tabs include 'Learning Platform | CompTIA' and 'Data Loss Prevention / Active Directory'. The address bar shows a URL from 'labsimapp.testout.com'. The TestOut interface has a top navigation bar with 'Building B', 'Floor 1', and 'CorpServer2'. A 'Check Answers' button is in the top right. On the left, the 'Scenario' section describes the task: 'You are the IT administrator for a small corporate network. You need to back up the system state of your domain controllers so that, in the event of a disaster, Active Directory is backed up. You want to configure regular backups on CorpDC4.' It also lists the task requirements: 'Create a regular backup schedule for the CorpDC4 server using the following settings: Backup items: System State, Backup schedule: once per day at 1:00 a.m., Backup location: \\CorpFiles\\Backup' and 'Take an immediate backup using the following settings: Backup items: System State and C: drive, Backup location: \\CorpFiles\\Backup'. The main area displays a 'Lab Report' for 'CorpDC4 on CorpServer2 - Virtual Machine Connection'. The report shows a 'Score: 2/2 (100%)' and 'Time Spent: 31:24'. Under 'TASK SUMMARY', it lists 'Required Actions' which are 'Create a backup schedule' and 'Perform an immediate backup of the server', both marked as complete with checkmarks. An 'EXPLANATION' section is also present. On the right, an 'Actions' panel lists 'Local Backup', 'Backup Schedule...', 'Backup Once...', 'Recover...', 'Configure Performance Setting', 'View', and 'Help'. The bottom of the browser shows a Windows taskbar with a search bar and various application icons. The system clock in the bottom right corner indicates '4:21 PM 2/2/2025'.

Learning Platform | CompTIA Learning Platform | CompTIA Learning Platform | CompTIA Data Loss Prevention / Active Directory

labsimapp.testout.com/v6_0_659/simwindow.html?c2ltRGVmVXJsPWWh0d...

TestOut

Building B Floor 1 CorpServer2

Check Answers

Scenario

You are the IT administrator for a small corporate network. You need to back up the system state of your domain controllers so that, in the event of a disaster, Active Directory is backed up. You want to configure regular backups on CorpDC4.

In this lab, your task is to perform the following using Windows Server Backup on CorpDC4:

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CorpDC4 on CorpServer2 - Virtual Machine Connection

File Action Media Clipboard View Help

Lab Report

Time Spent: 31:24

Score: 2/2 (100%)

TASK SUMMARY

Required Actions

- ✓ Create a backup schedule [Show Details](#)
- ✓ Perform an immediate backup of the server [Show Details](#)

EXPLANATION

Actions

- Local Backup
- Backup Schedule...
- Backup Once...
- Recover...
- Configure Performance Setting
- View
- Help

Status: Running

Type here to search

4:21 PM 2/2/2025