CompTIA IT Fundamentals+

Manage Backup and Restore

Introduction

Backups
System Image
Server Backup
Restore

Welcome to the **Manage Backup and Restore** Practice Lab. In this module, you will be provided with the instructions and devices needed to develop your hands-on skills.

Learning Outcomes

In this module, you will complete the following exercises:

- Exercise 1 - Create a System Image Backup
- Exercise 2 - Schedule a Server Backup

After completing this lab, you will be able to:

- Add an additional virtual hard disk
- Initialize and create a new simple volume
- Create a system image backup
- Change the virtual machine start-up settings
- Perform system image restore
- Install Windows Server Backup

- Allow File and Printer Sharing feature
- Schedule a backup

Exam Objectives

The following exam objective is covered in this lab:

- **6.7** Explain business continuity concepts.

> ***Note:*** *Our main focus is to cover the practical, hands-on aspects of the exam objectives. We recommend referring to course material or a search engine to research theoretical topics in more detail.*

Lab Duration

It will take approximately **1 hour** to complete this lab.

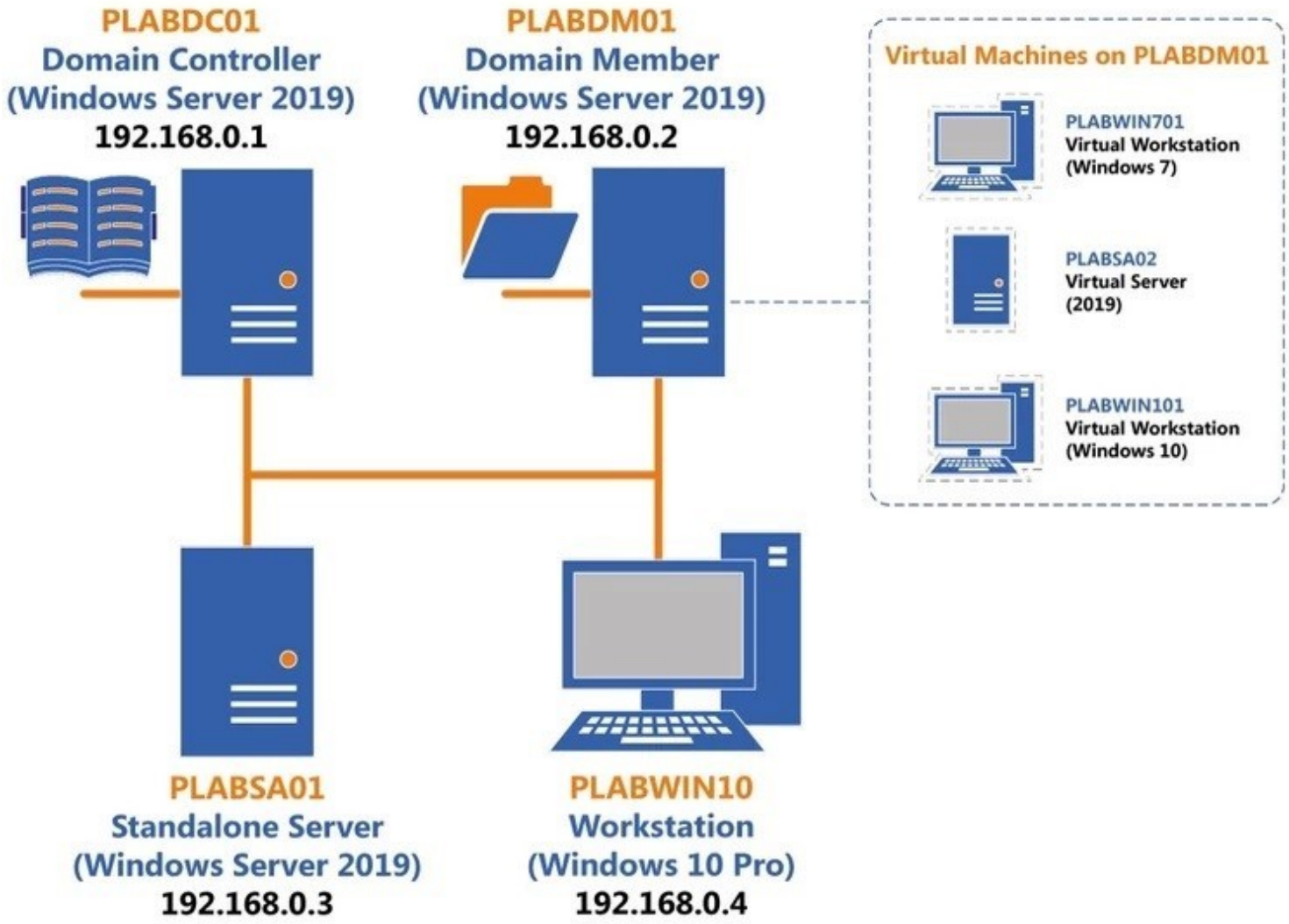
Help and Support

For more information on using Practice Labs, please see our **Help and Support** page. You can also raise a technical support ticket from this page.

Click **Next** to view the Lab topology used in this module.

Lab Topology

During your session, you will have access to the following lab configuration.



Depending on the exercises you may or may not use all of the devices, but they are shown here in the layout to get an overall understanding of the topology of the lab.

- **PLABDC01** - Domain Controller (Windows Server 2019)
- **PLABDM01** - Domain Member (Windows Server 2019)
- **PLABSA01** - Standalone Server (Windows Server 2019)
- **PLABWIN10** - Workstation (Windows 10 Pro)

Click **Next** to proceed to the first exercise.

Exercise 1 - Create System Image Backup

Backing up your computer is one of the essential tasks that you need to be familiar with in order to protect the operating system, applications and your personal data files from issues such as disk failure. Depending on the operating system version, software vendors have different implementations on how to perform a backup of your system.

In this exercise, you will use Windows System Image backup to create an image of Windows 10 computer. This image captures the entire system settings of a Windows 10 computer.

To learn more about creating a system image backup, please refer to your course material or use your favorite search engine to research for more information about this topic.

Learning Outcomes

After completing this exercise, you will be able to:

- Add an additional virtual hard disk
- Initialize and create a new simple volume
- Create a system image backup
- Change the virtual machine start-up settings
- Perform system image restore

Your Devices

You will be using the following devices in this exercise. Please power these on now.

- **PLABDC01** - Domain Controller (Windows Server 2019)
- **PLABDM01** - Domain Member (Windows Server 2019)

Task 1 - Add an additional virtual hard disk

Backing up the system settings of your computer normally requires a large disk space for data. In this task, you will prepare the disk storage on the guest virtual machine.

A guest virtual machine in Hyper-V will be used for this exercise, so you can view the actual restore process of Windows 10.

Step 1

Ensure that you have powered on the required devices.

Connect to **PLABDM01.**

On **Server Manager > Dashboard**, click **Tools** and go to **Hyper-V Manager**.

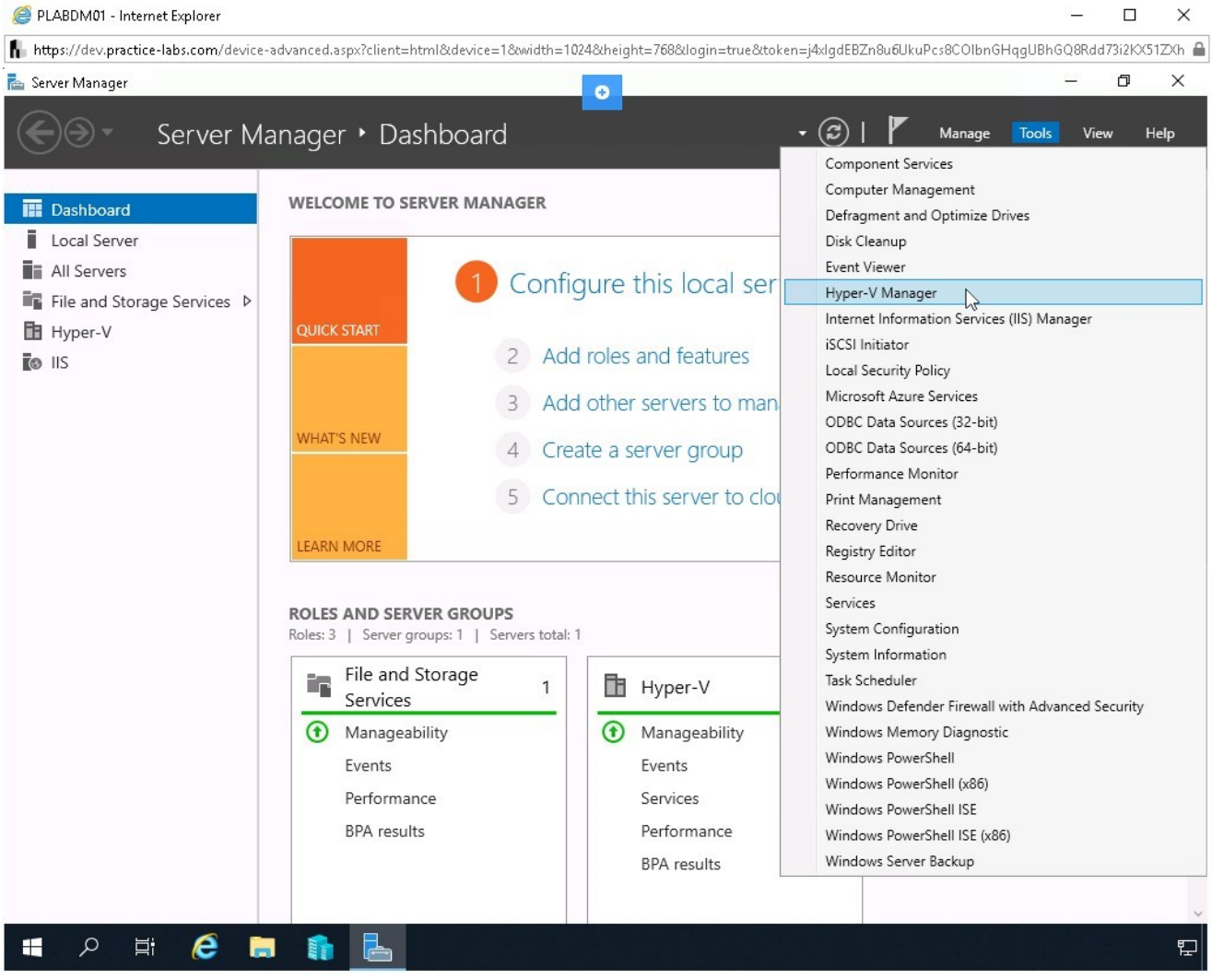


Figure 1.1 Screenshot of the PLABDM01 desktop: Tools > Hyper-V Manager menu-options are highlighted on the Server Manager console.

Step 2

On the **Hyper-V Manager**, select **PLABDM01** on the left pane.

On the **Virtual Machines** pane, right-click on **PLABWIN10** and select **Settings**.

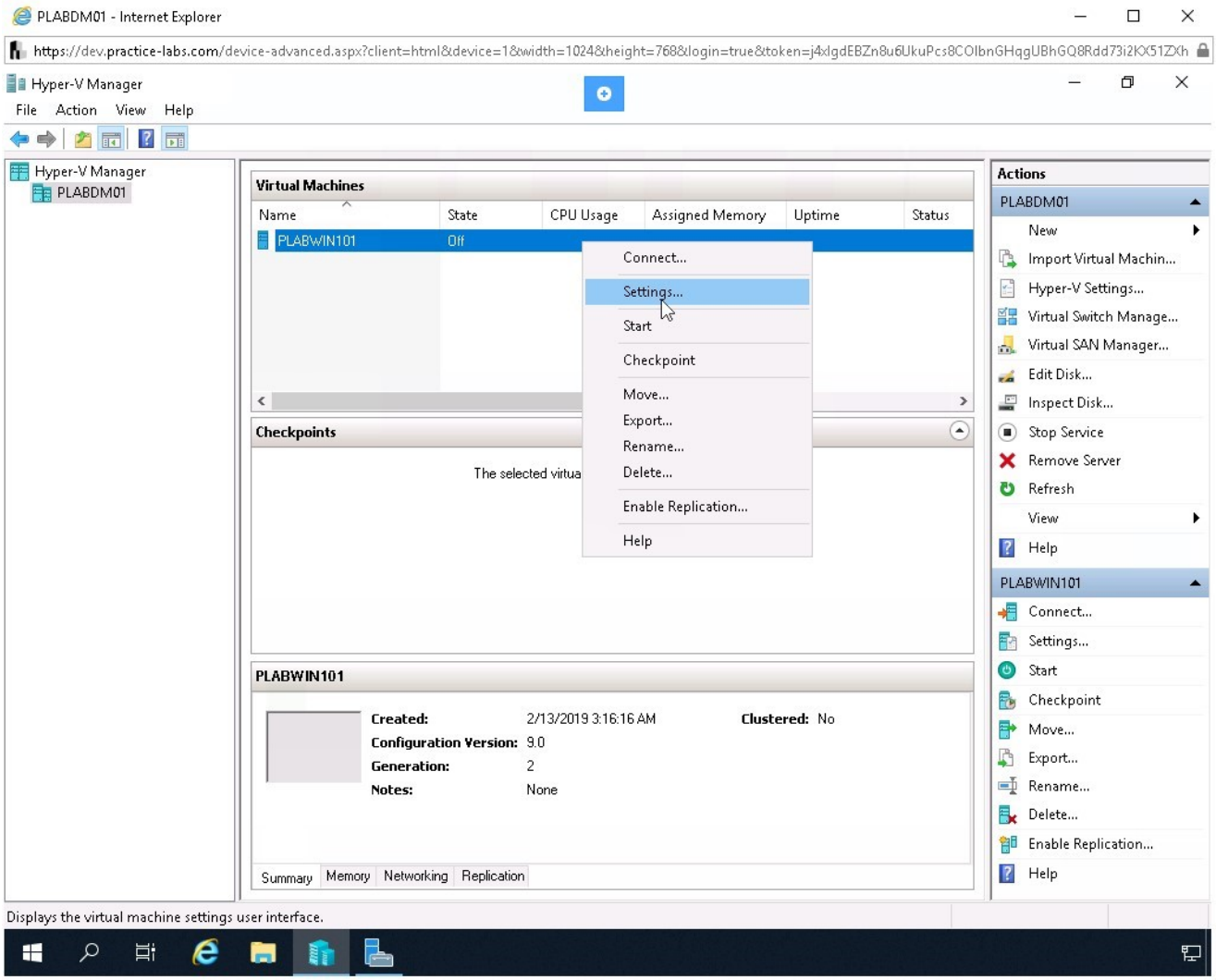


Figure 1.2 Screenshot of the PLABDM01 desktop: Context menu (that appears on right-clicking a listed virtual machine) > Settings menu-options are highlighted on the Hyper-V Manager console.

Step 3

From the **Settings for PLABWIN101 on PLABDM01**, select **SCSI Controller**.

Access the **SCSI Controller** details pane at the right, then select **Hard Drive**.

Click **Add**.

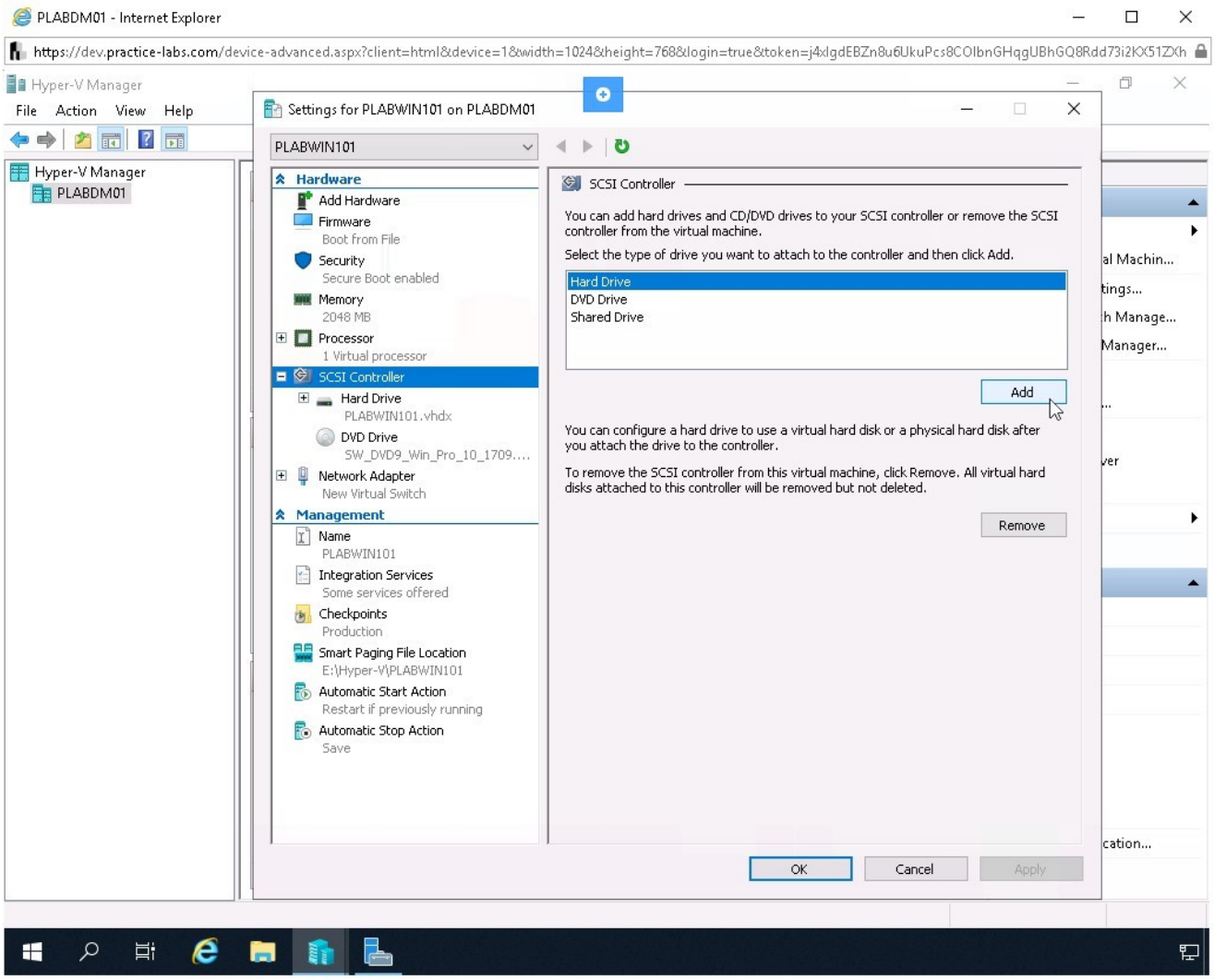


Figure 1.3 Screenshot of the PLABDM01 desktop: SCSI Controller tab on the Settings for PLABWIN101 on PLABDM01 dialog box is displayed showing the required settings performed and the Add button highlighted.

Step 4

The new **Hard Drive** is highlighted.

At the **Hard Drive** details pane, select **New**.

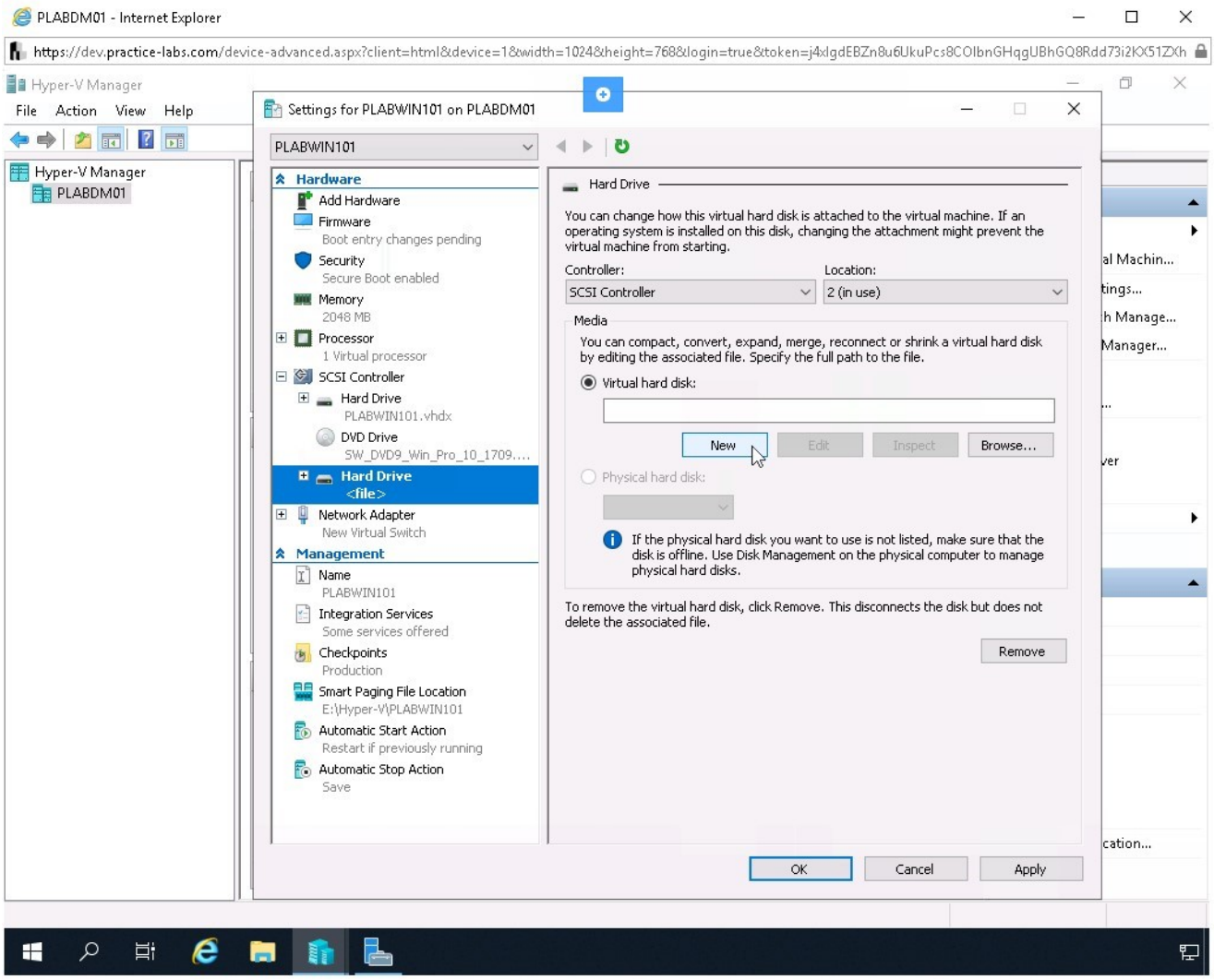


Figure 1.4 Screenshot of the PLABDM01 desktop: Hard Drive tab on the Settings for PLABWIN101 on PLABDM01 dialog box is displayed showing the required settings performed and the New button highlighted.

Step 5

Click **Next** in the **Before You Begin** page.

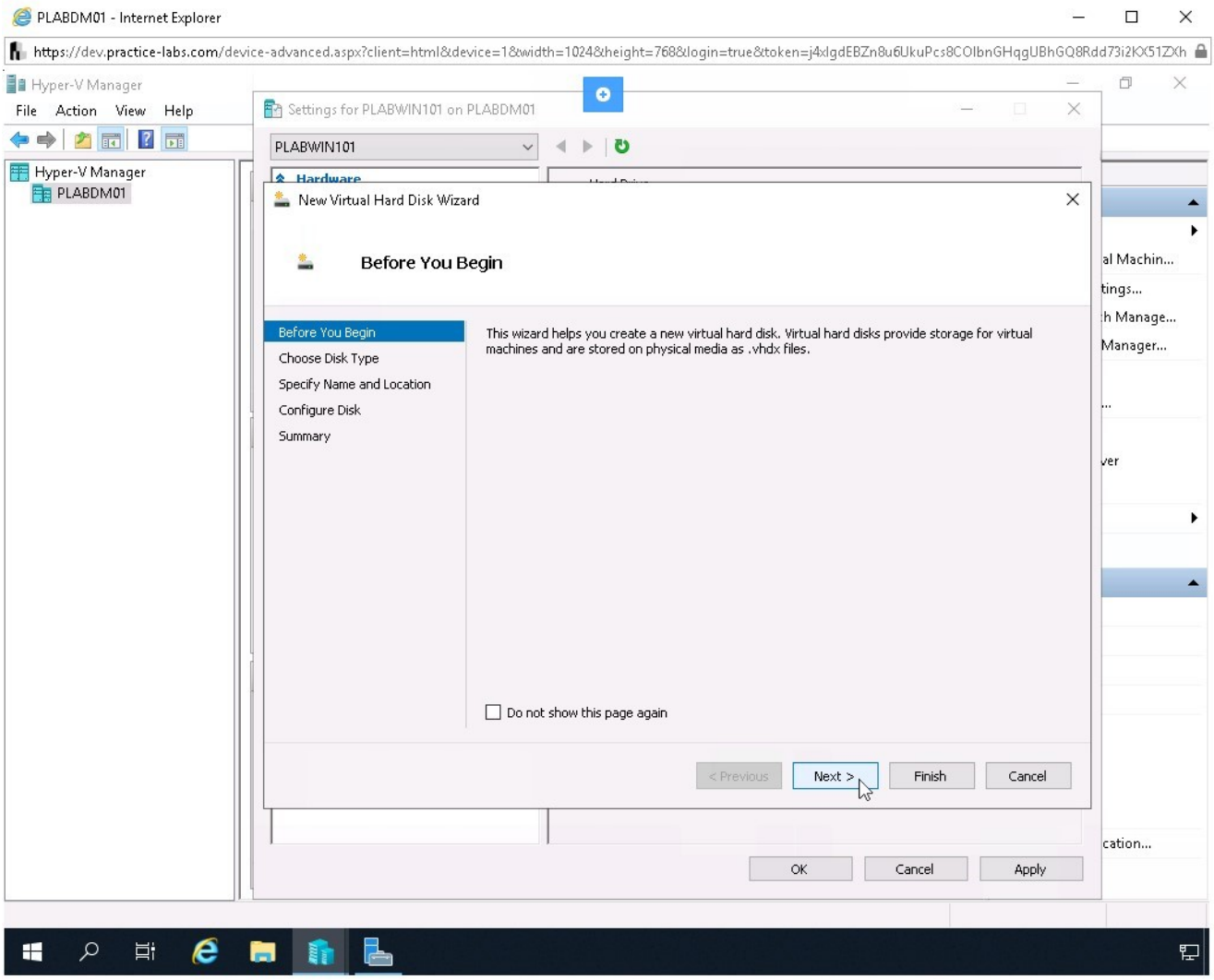


Figure 1.5 Screenshot of the PLABDM01 desktop: Before You Begin page on the New Virtual Hard Disk Wizard is displayed showing the Next button highlighted.

Step 6

On the **Choose Disk Type** page, the **Dynamically expanding** option is selected.

Click **Next**.

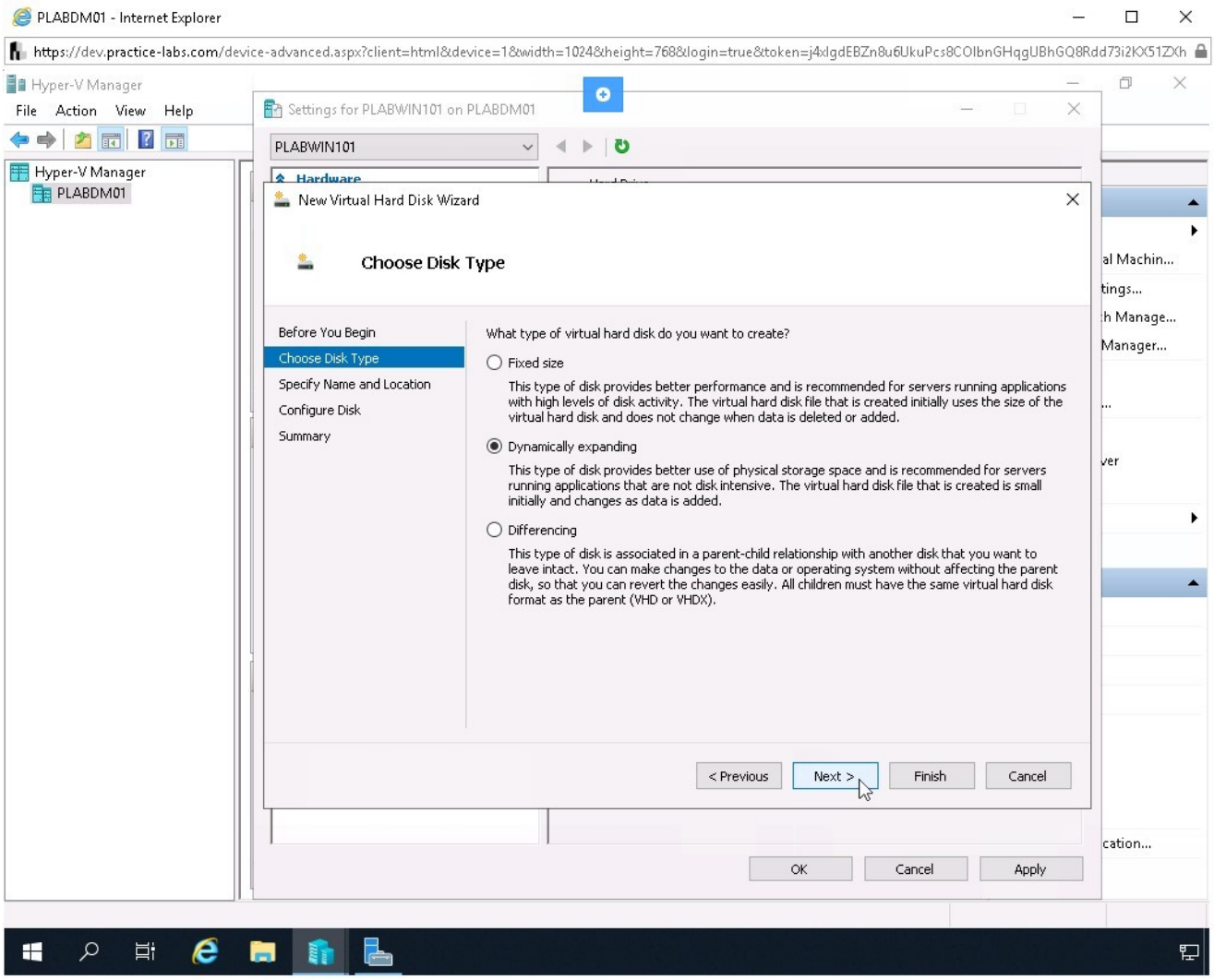


Figure 1.6 Screenshot of the PLABDM01 desktop: Choose Disk Type page on the New Virtual Hard Disk Wizard is displayed showing the required selection performed and the Next button highlighted.

Step 7

On the **Specify Name and Location** page, type-over the entry in the **Name** box, with the following:

```
PLABWIN101-Disk2.vhdx
```

In the **Location** box, type over the existing path with the following:

```
E:\Hyper-V\PLABWIN101\Virtual Hard Disks\
```

Click **Next**.

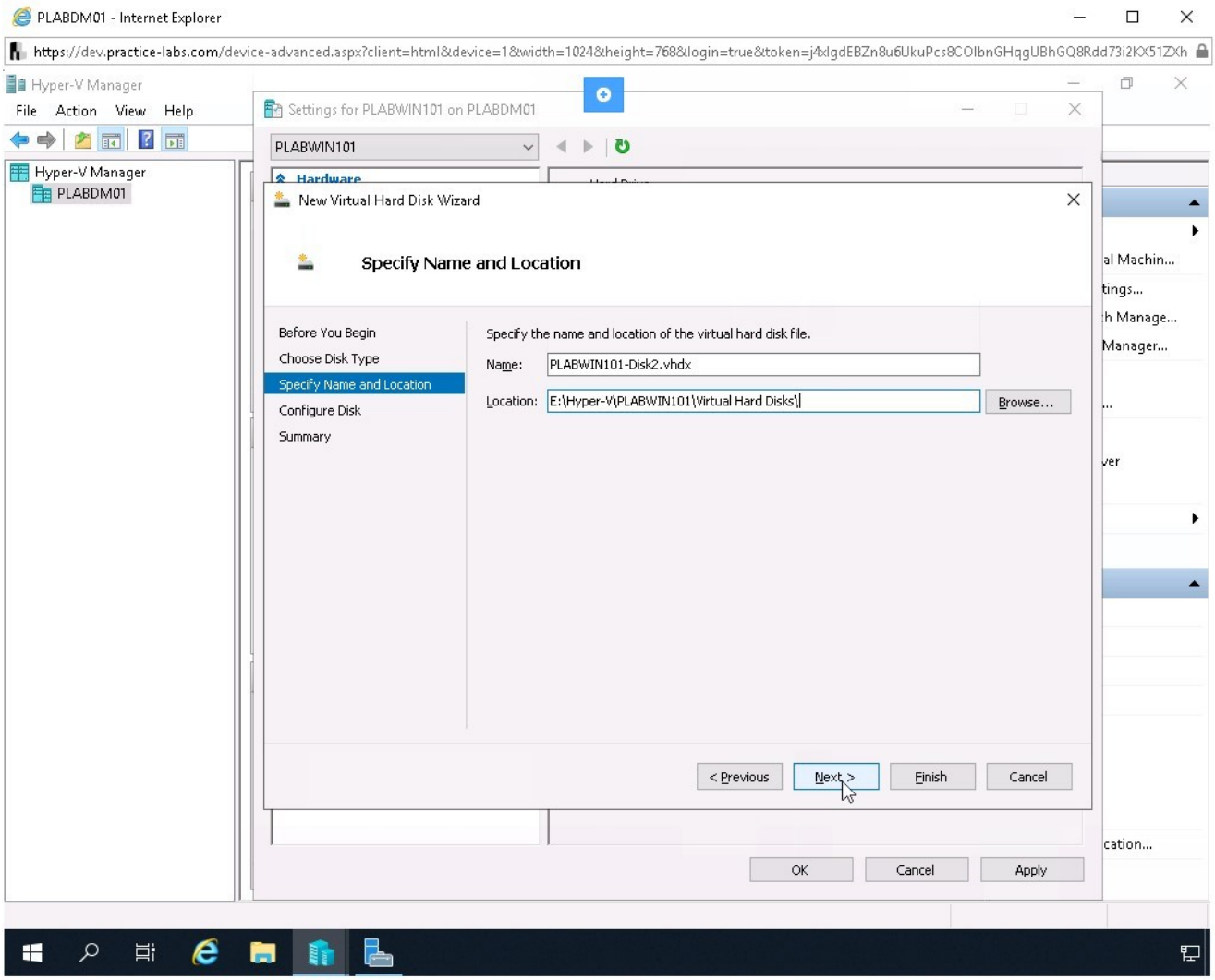


Figure 1.7 Screenshot of the PLABDM01 desktop: Specify Name and Location page on the New Virtual Hard Disk Wizard is displayed showing the required values typed-in and the Next button highlighted.

Step 8

On the **Configure Disk** page, click **Next**.

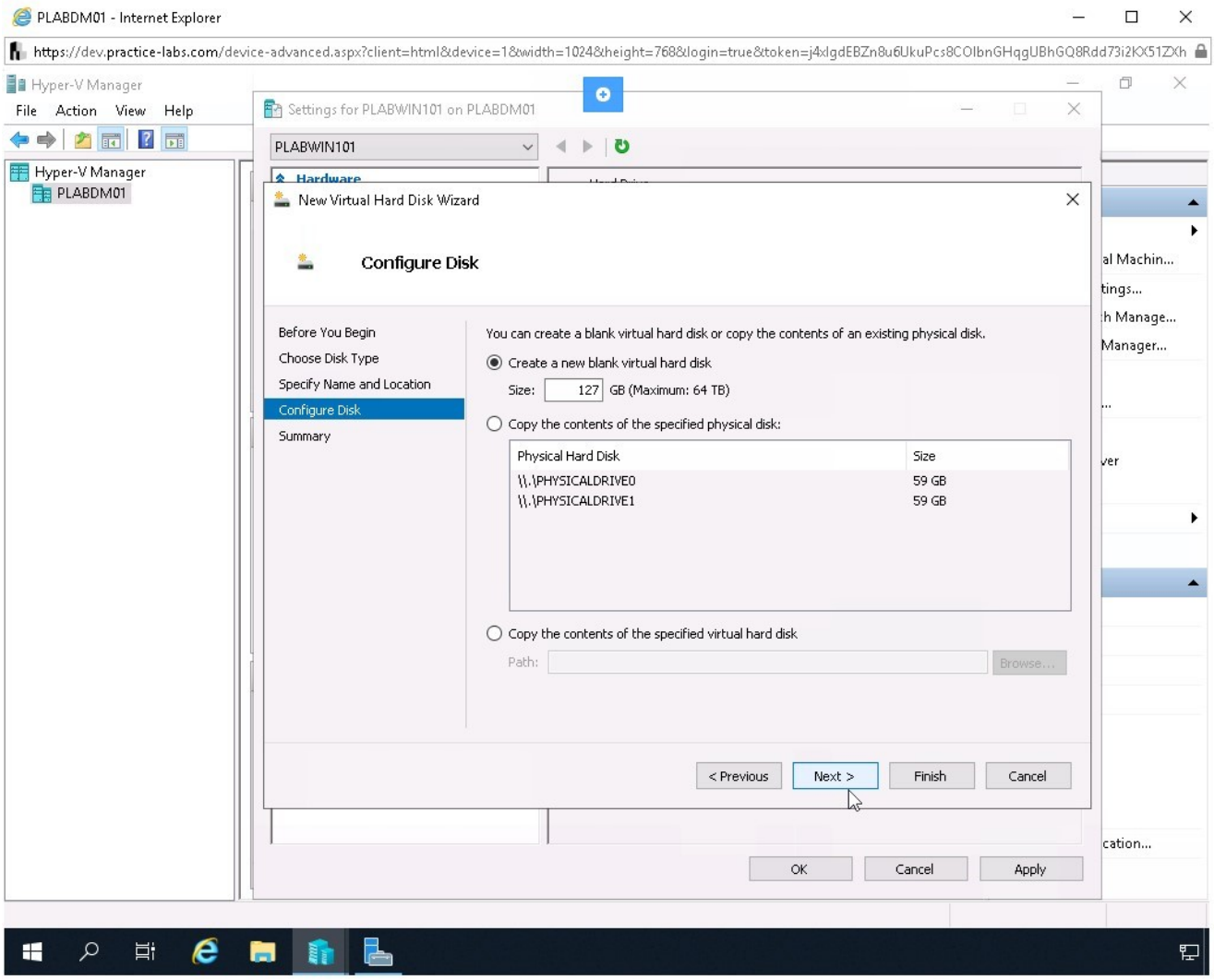


Figure 1.8 Screenshot of the PLABDM01 desktop: Configure Disk page on the New Virtual Hard Disk Wizard is displayed showing default settings and the Next button highlighted.

Step 9

From the **Summary** page, click **Finish**.

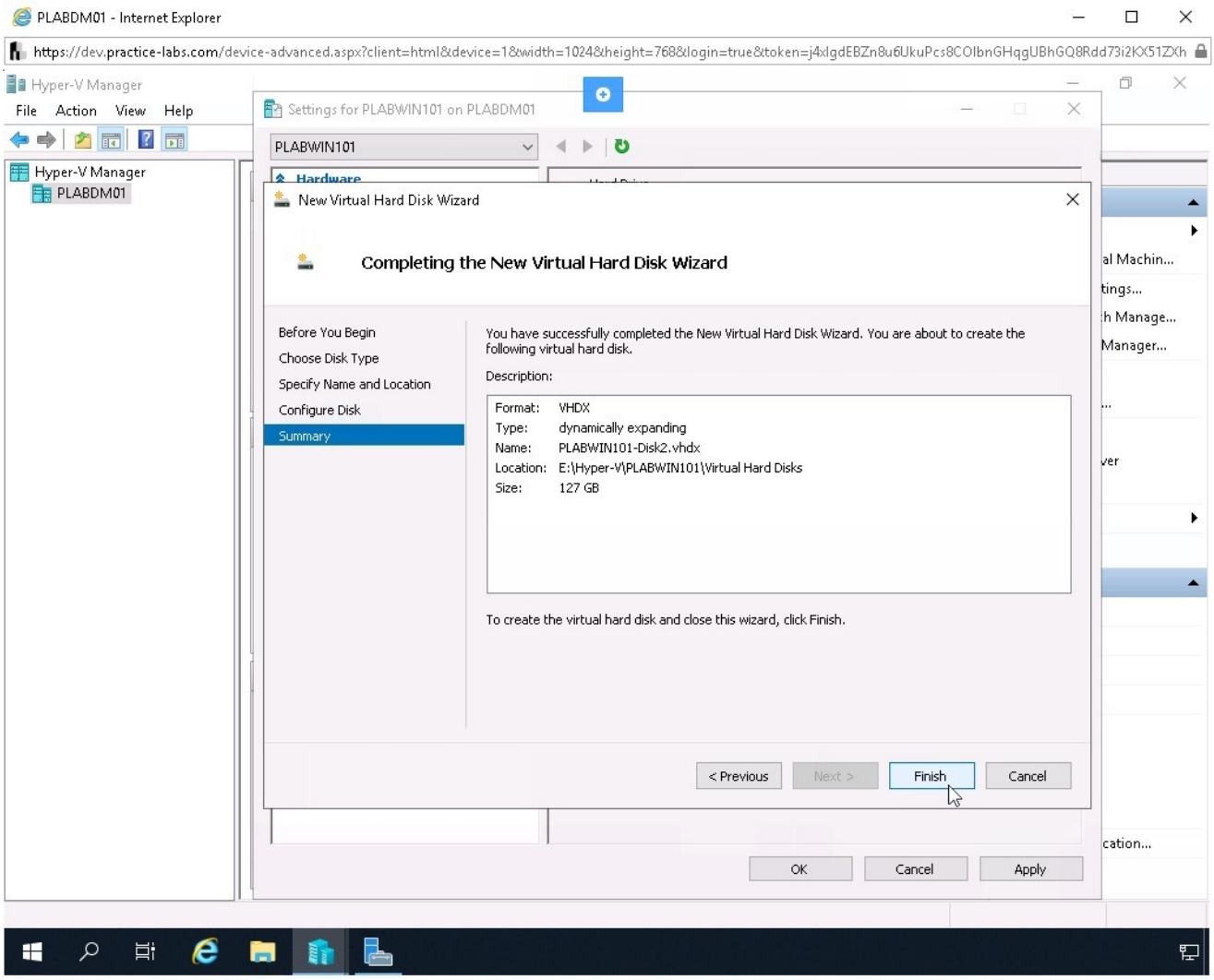


Figure 1.9 Screenshot of the PLABDM01 desktop: Completion page on the New Virtual Hard Disk Wizard is displayed listing specifications to create the hard disk and showing the Finish button highlighted.

Step 10

Click **OK** on the **Settings for PLABWIN101 on PLABDM01** dialog box.

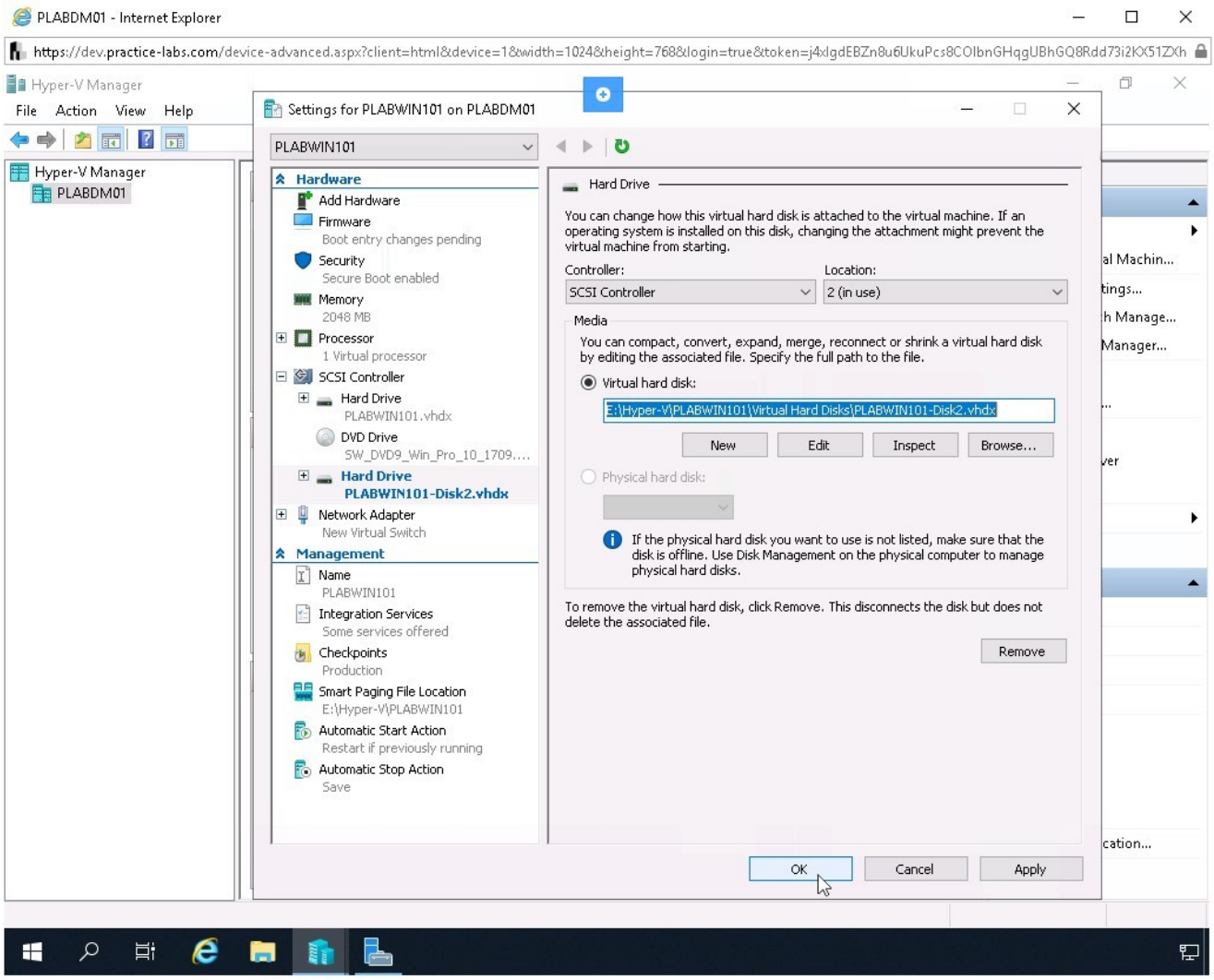


Figure 1.10 Screenshot of the PLABDM01 desktop: Hard Drive tab on the Settings for PLABWIN101 on PLABDM01 dialog box is displayed listing specifications of the newly created hard disk and showing the OK button highlighted.

Task 2 - Initialize and create a new simple volume

After successfully adding the secondary virtual hard disk, you will use Disk Management to initialize then create a simple volume.

This volume will be used storage for the system image backup.

Step 1

On **PLABDM01**, on the **Hyper-V Manager** console, access the **Virtual Machines** pane.

Right-click on **PLABWIN101** and select **Connect**...

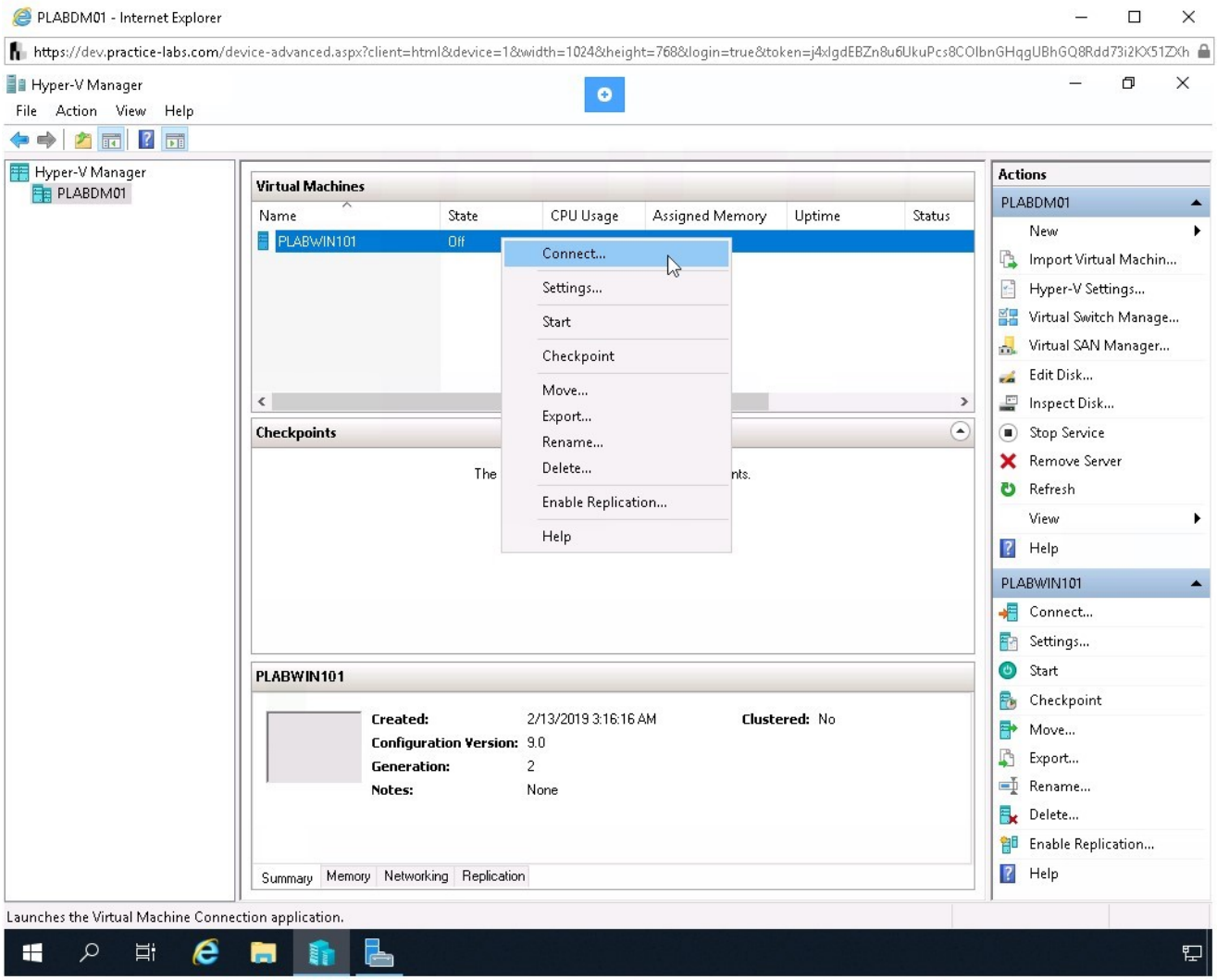


Figure 1.11 Screenshot of the PLABDM01 desktop: Context menu (that appears on right-clicking a listed virtual machine) > Connect menu-options are highlighted on the Hyper-V Manager console.

Step 2

When the **PLABWIN101 on PLABDM01** window is open, click the **Start** button.

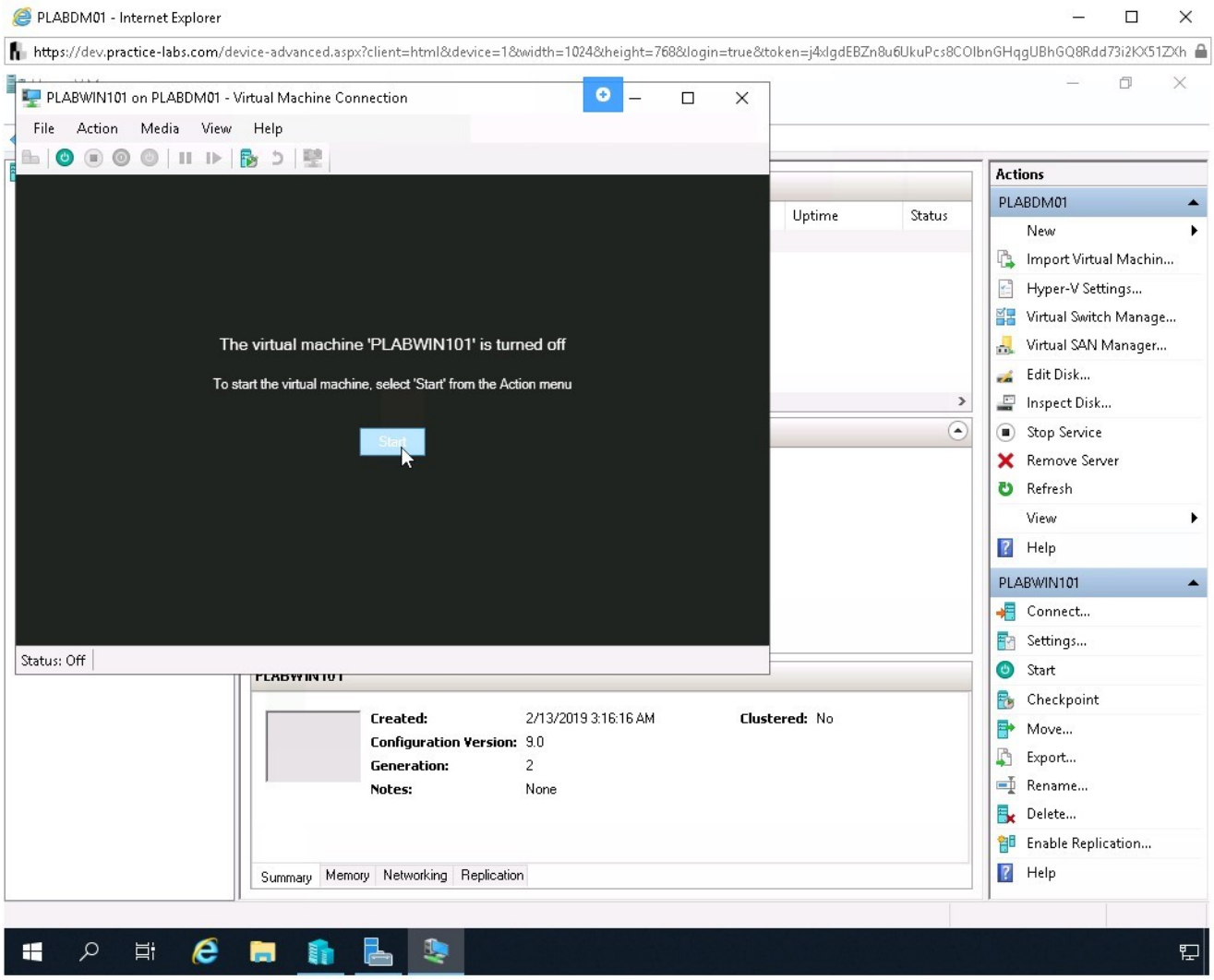


Figure 1.12 Screenshot of the PLABDM01 desktop: Start button on the PLABWIN101 on PLABDM01 - Virtual Machine Connection window is highlighted.

Step 3

When **PLABWIN101** has completely powered on, maximize the window for a bigger desktop on the guest virtual machine.

Click **View** and select **Full Screen Mode**.

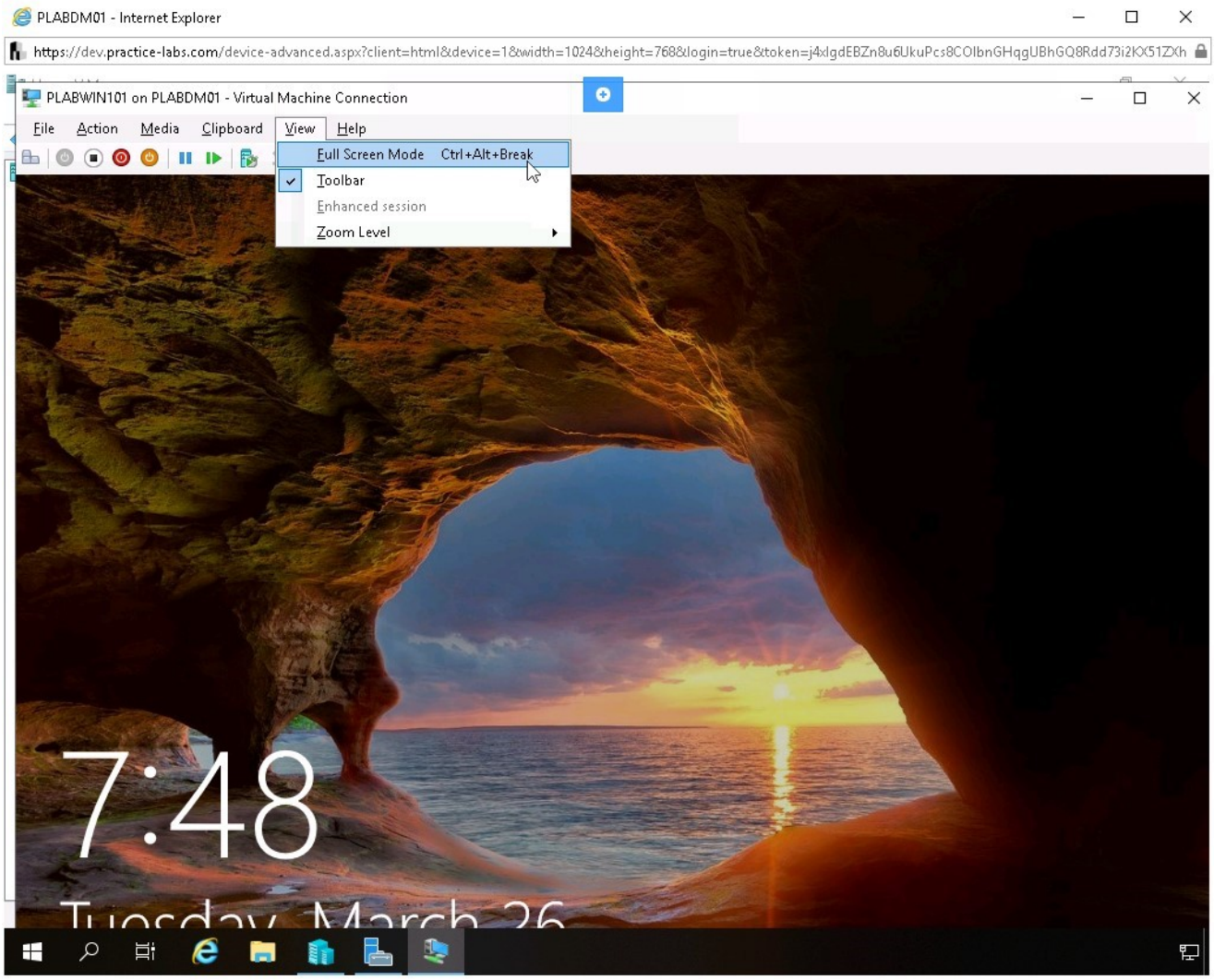


Figure 1.13 Screenshot of the PLABDM01 desktop: View > Full Screen Mode menu-options are selected on the menu bar at the top on the PLABWIN101 on PLABDM01 - Virtual Machine Connection window.

Step 4

Click on the desktop wallpaper to prompt a sign-in.

The default user account is **Admin**.

In the **Password** field, type:

```
Passw0rd
```

Press **Enter**.

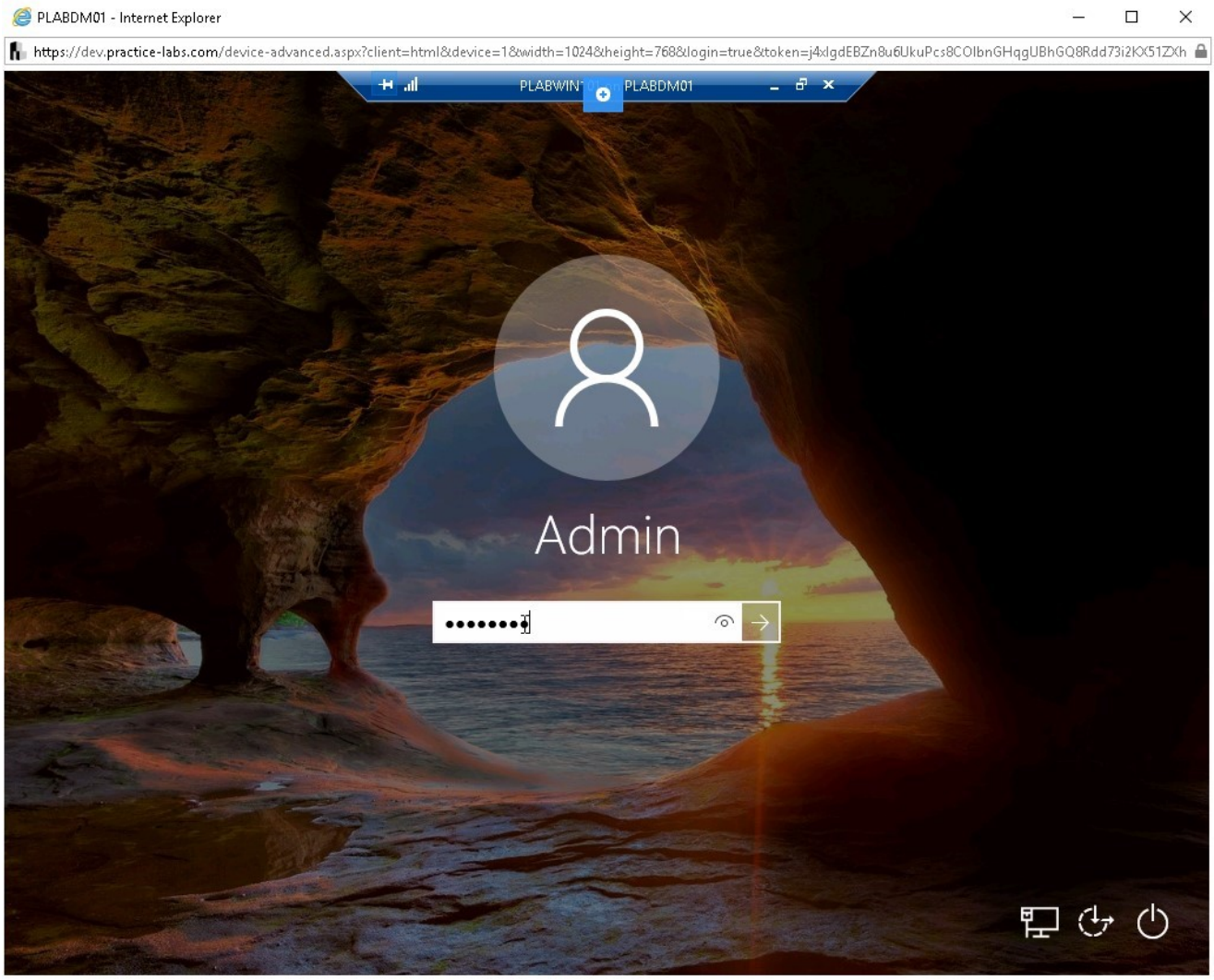


Figure 1.14 Screenshot of the PLABWIN101 virtual desktop: Default login screen is displayed showing the required login credentials typed-in.

Step 5

Right-click **Start** and select **Disk Management**.

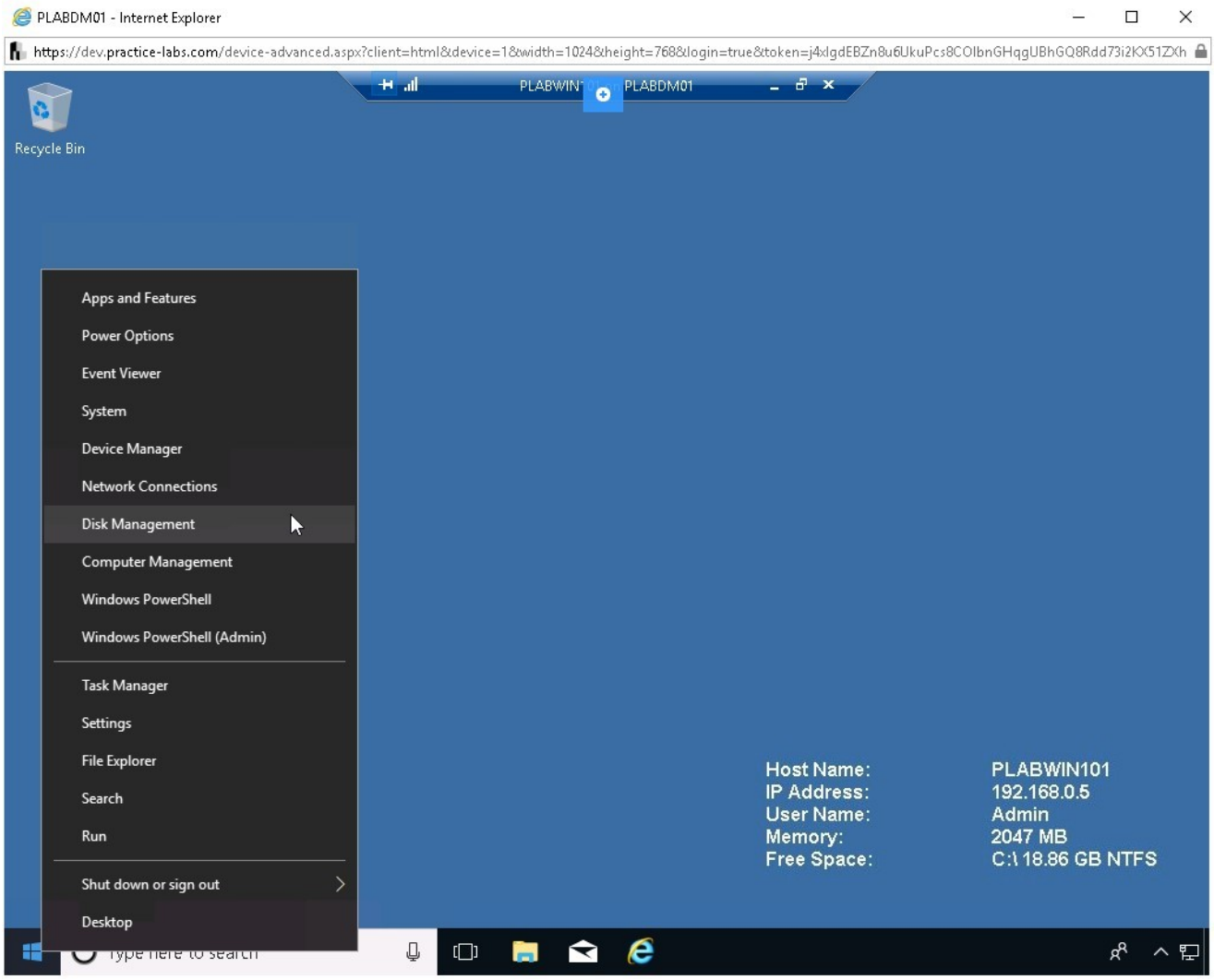


Figure 1.15 Screenshot of the PLABWIN101 virtual desktop: Context menu (that appears on right-clicking the Start charm) > Disk Management menu-options are highlighted.

Step 6

Click **OK** on the **Initialize Disk** dialog box.

Step 7

Right-click **Disk 1 - 126.88 GB - Unallocated** and select **New Simple Volume**.

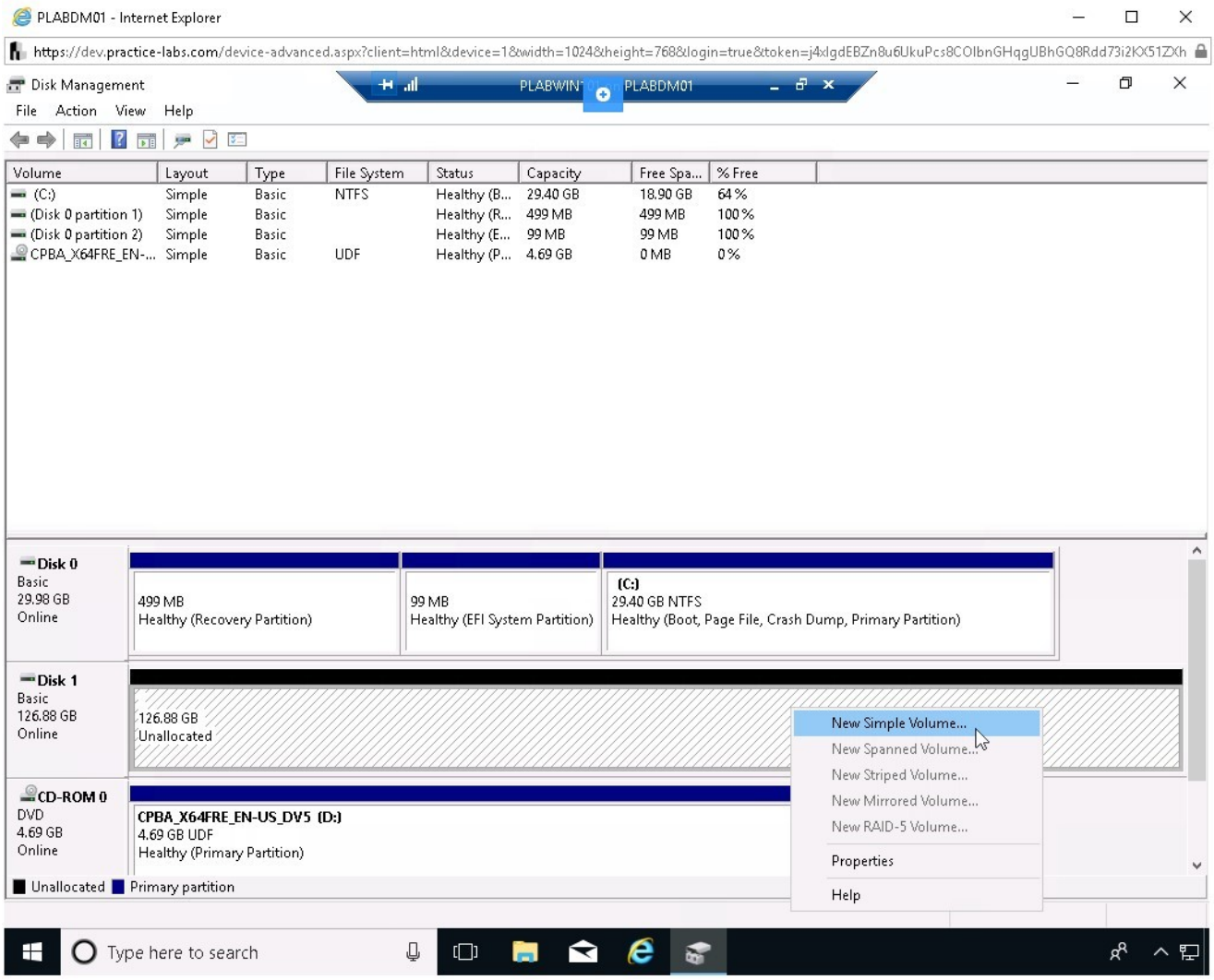


Figure 1.16 Screenshot of the PLABWIN101 virtual desktop: Context menu (that appears on right-clicking the unallocated portion of a disk) > New Simple Volume menu-options are highlighted on the Disk Management console.

Step 8

On the **Welcome to the New Simple Volume Wizard** page, click **Next**.

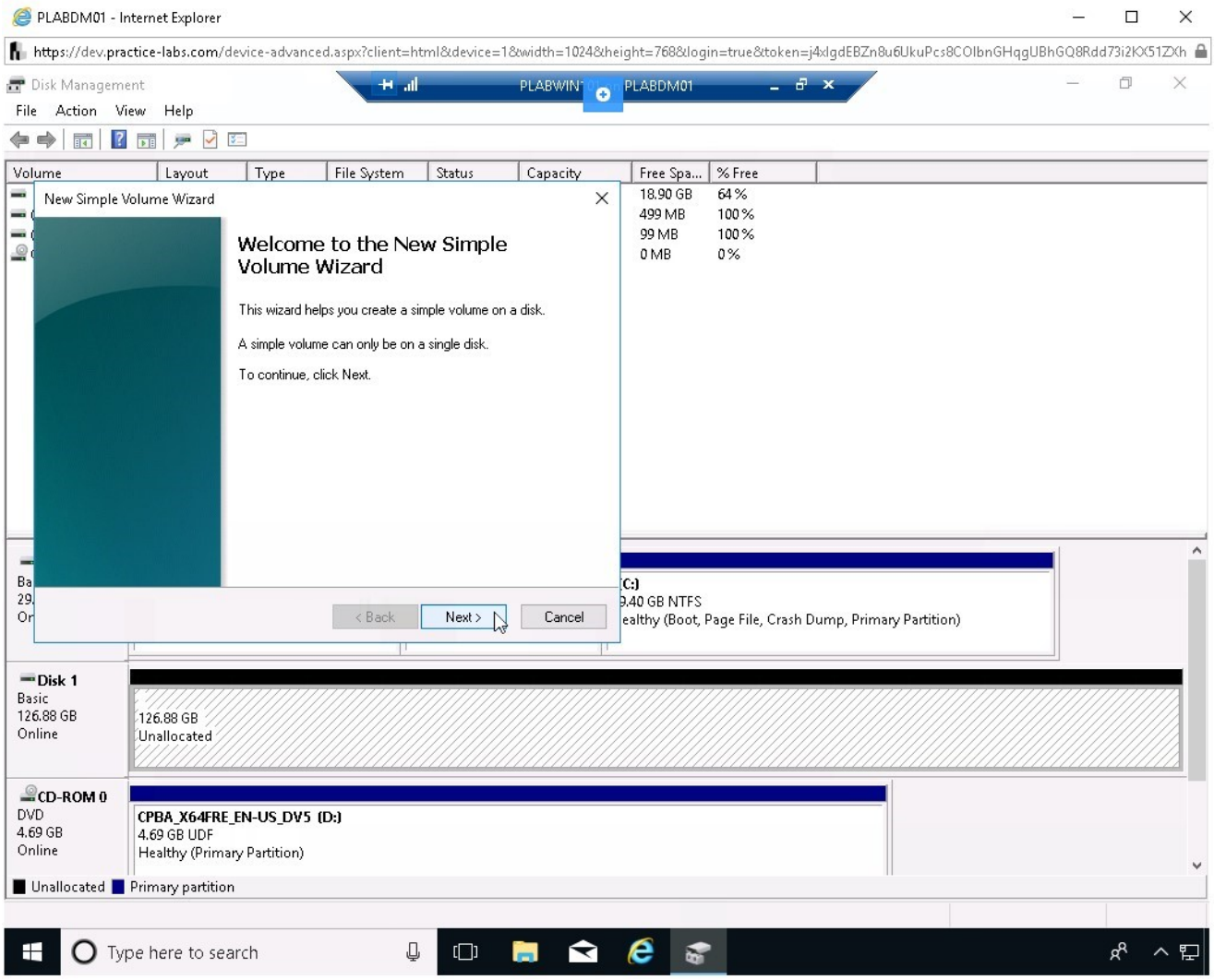


Figure 1.17 Screenshot of the PLABWIN101 virtual desktop: Welcome page on the New Simple Volume Wizard is displayed showing the Next button highlighted.

Step 9

On the **Specify Volume Size** page, keep the default setting.

Click **Next**.

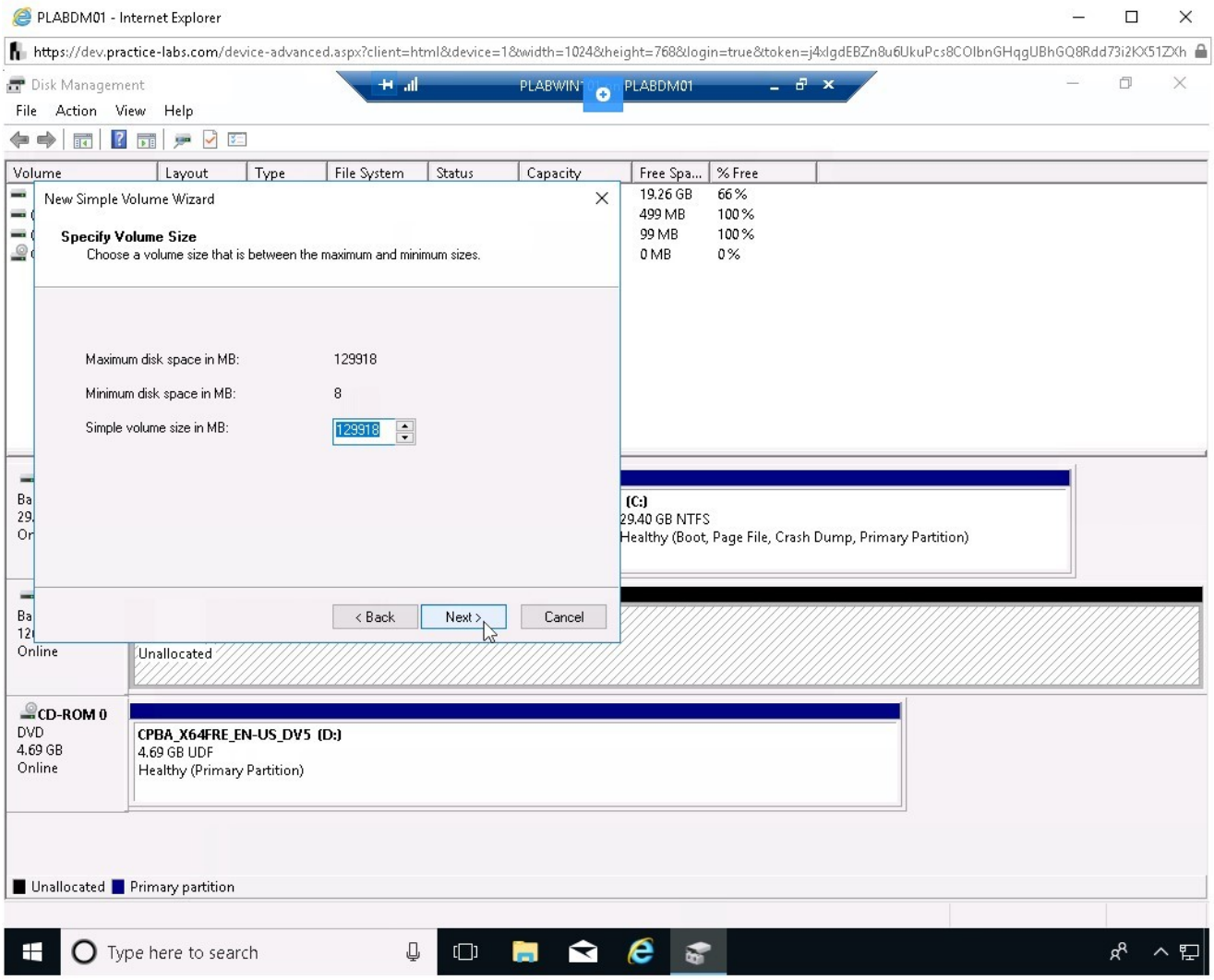


Figure 1.18 Screenshot of the PLABWIN101 virtual desktop: Specify Volume Size page on the New Simple Volume Wizard is displayed showing default settings and the Next button highlighted.

Step 10

On the **Assign Drive Letter or Path** page, keep the default drive assignment and click **Next**.

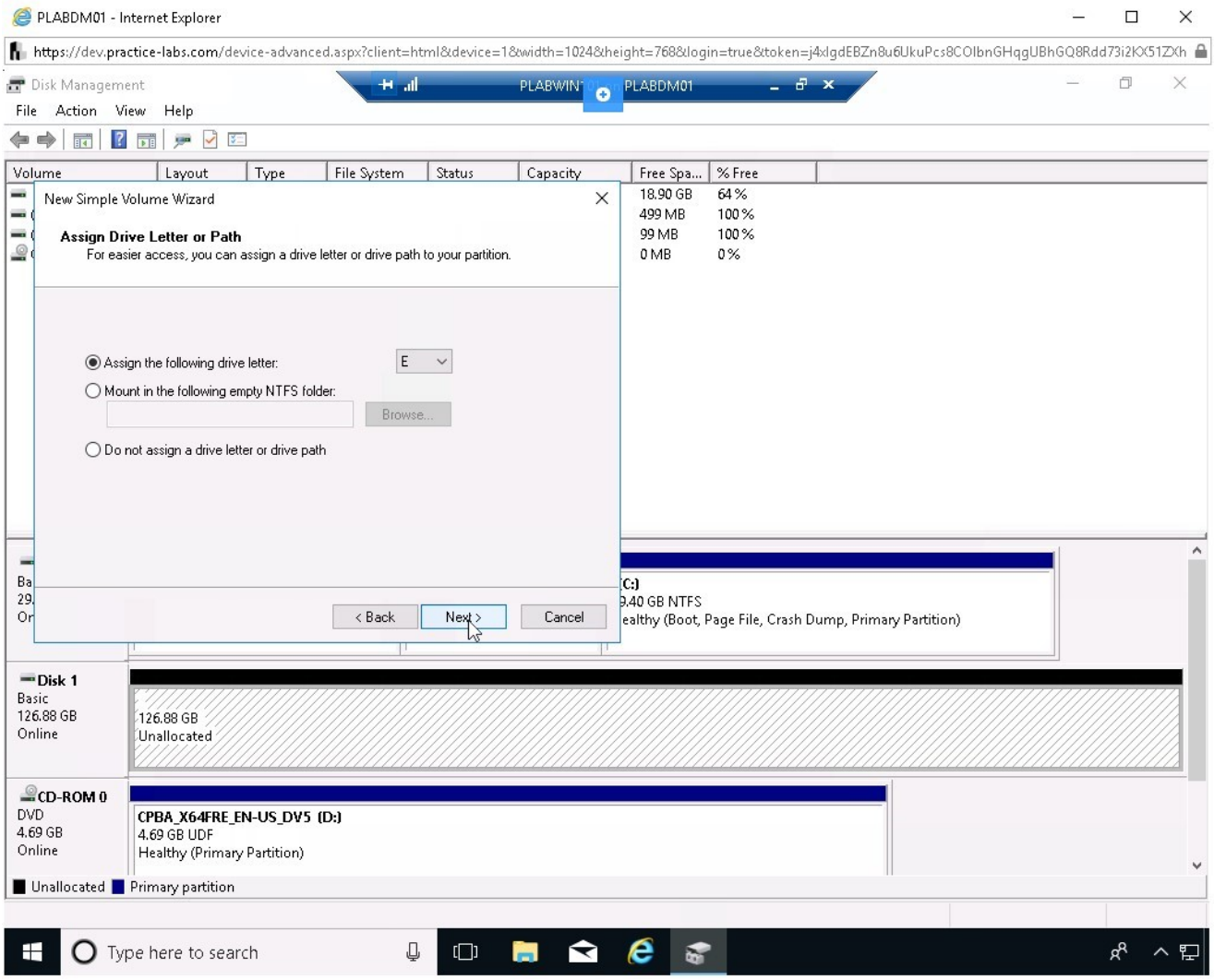


Figure 1.19 Screenshot of the PLABWIN101 virtual desktop: Assign Drive Letter or Path page on the New Simple Volume Wizard is displayed showing default settings and the Next button highlighted.

Step 11

On the **Format Partition** page, ensure that the **Perform a quick format** checkbox is selected then click **Next**.

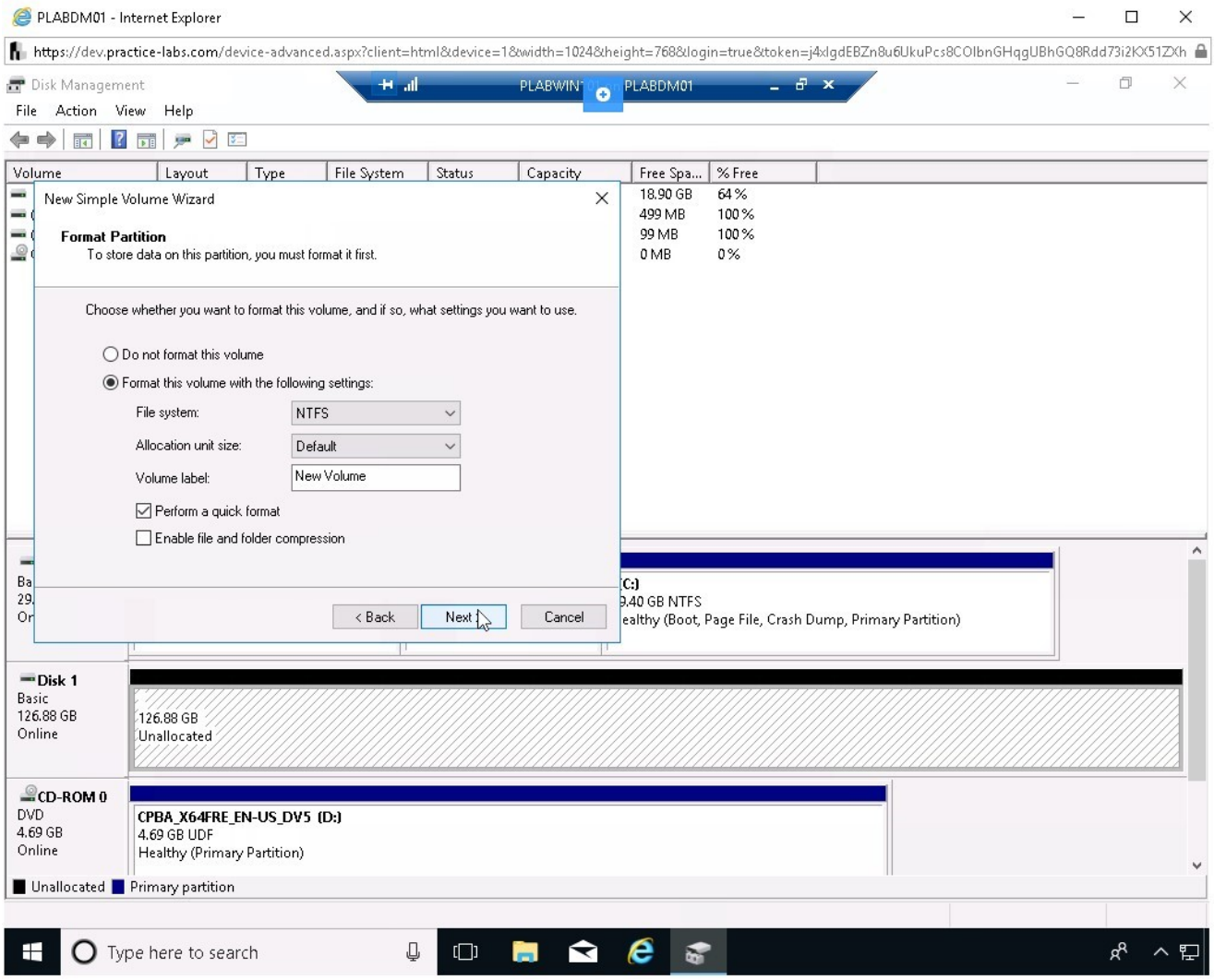


Figure 1.20 Screenshot of the PLABWIN101 virtual desktop: Format Partition page on the New Simple Volume Wizard is displayed showing the required settings performed and the Next button highlighted.

Step 12

On **Completing the New Simple Volume Wizard**, click **Finish**.

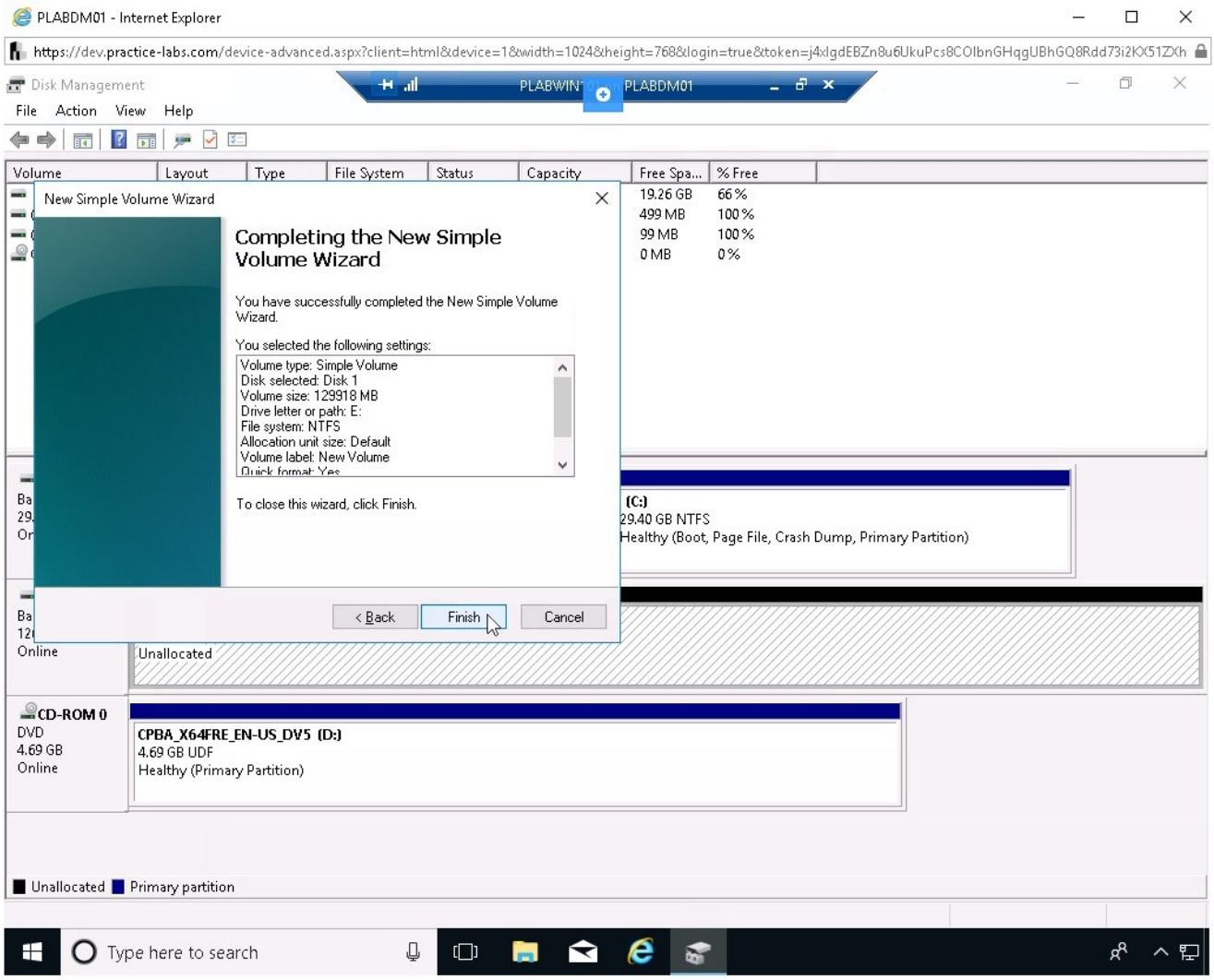


Figure 1.21 Screenshot of the PLABWIN101 virtual desktop: Completion page on the New Simple Volume Wizard is displayed listing specifications to create the volume and showing the Finish button highlighted.

Step 13

Close **Disk Management** when the **New Volume (E:)** becomes available.

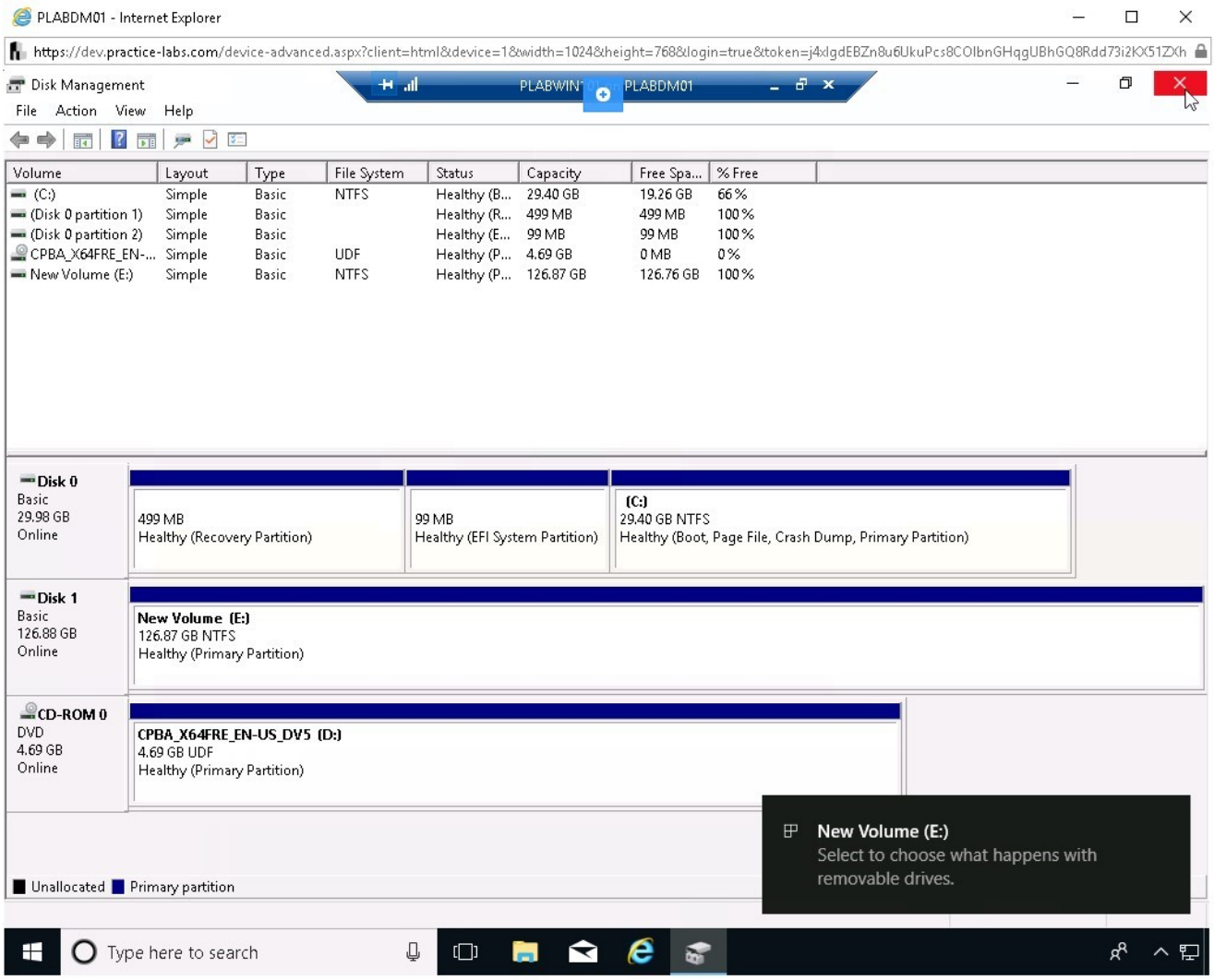


Figure 1.22 Screenshot of the PLABWIN101 virtual desktop: Disk Management console is displayed listing the newly created volume and showing the Close icon at the top-right corner highlighted.

Task 3 - Create a system image backup

A system image backup is an image of the Windows operating system. To be able to perform successful bare metal restoration of the operating system, a system image backup is essential.

Step 1

Click **Start** and select the **Settings** (cogwheel) icon.

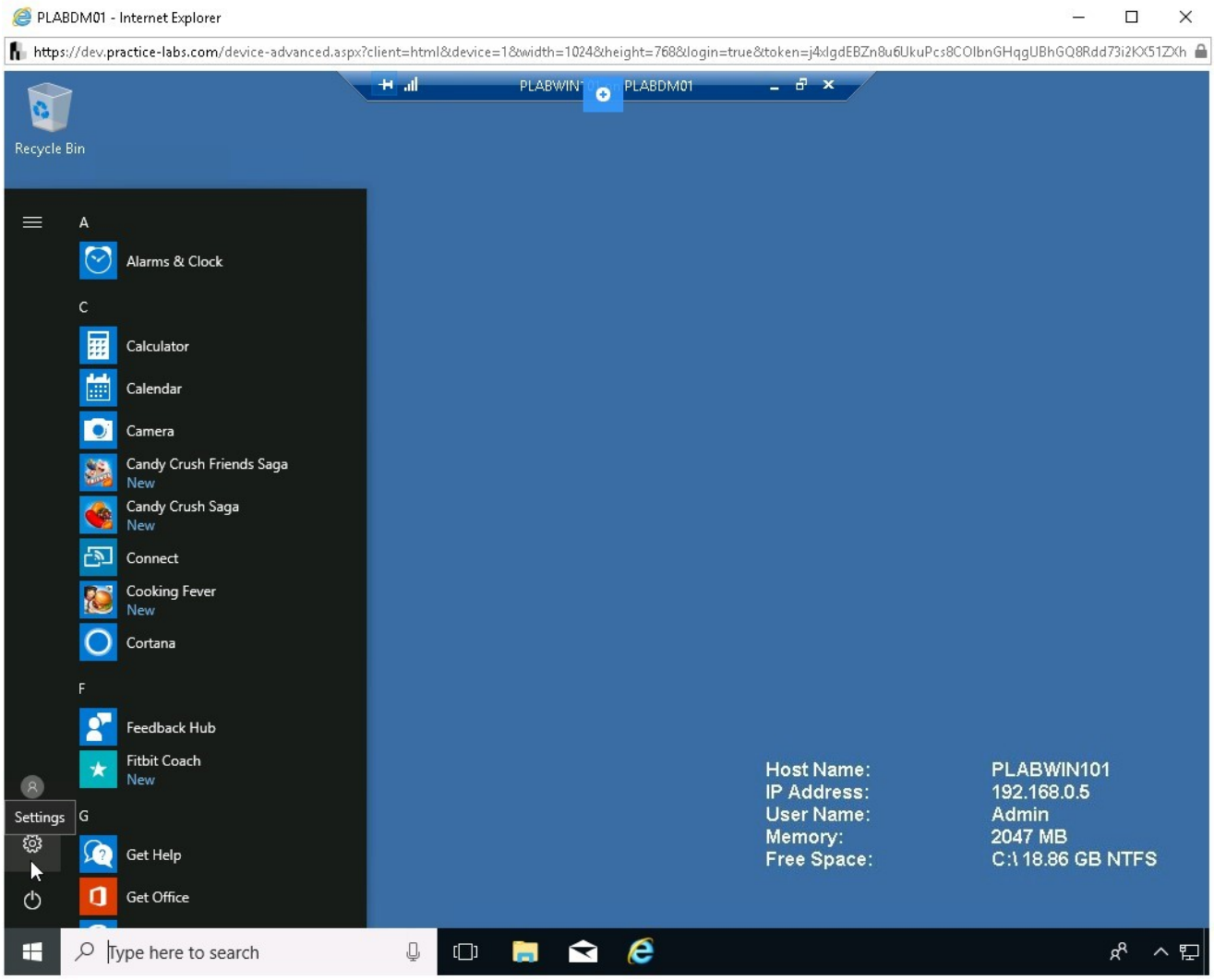


Figure 1.23 Screenshot of the PLABWIN101 virtual desktop: Settings icon is selected on the Start menu.

Step 2

On the **Settings** window, click in the **Search** box at the top center of the window and type:

```
backup
```

Select **Backup settings** from the list.

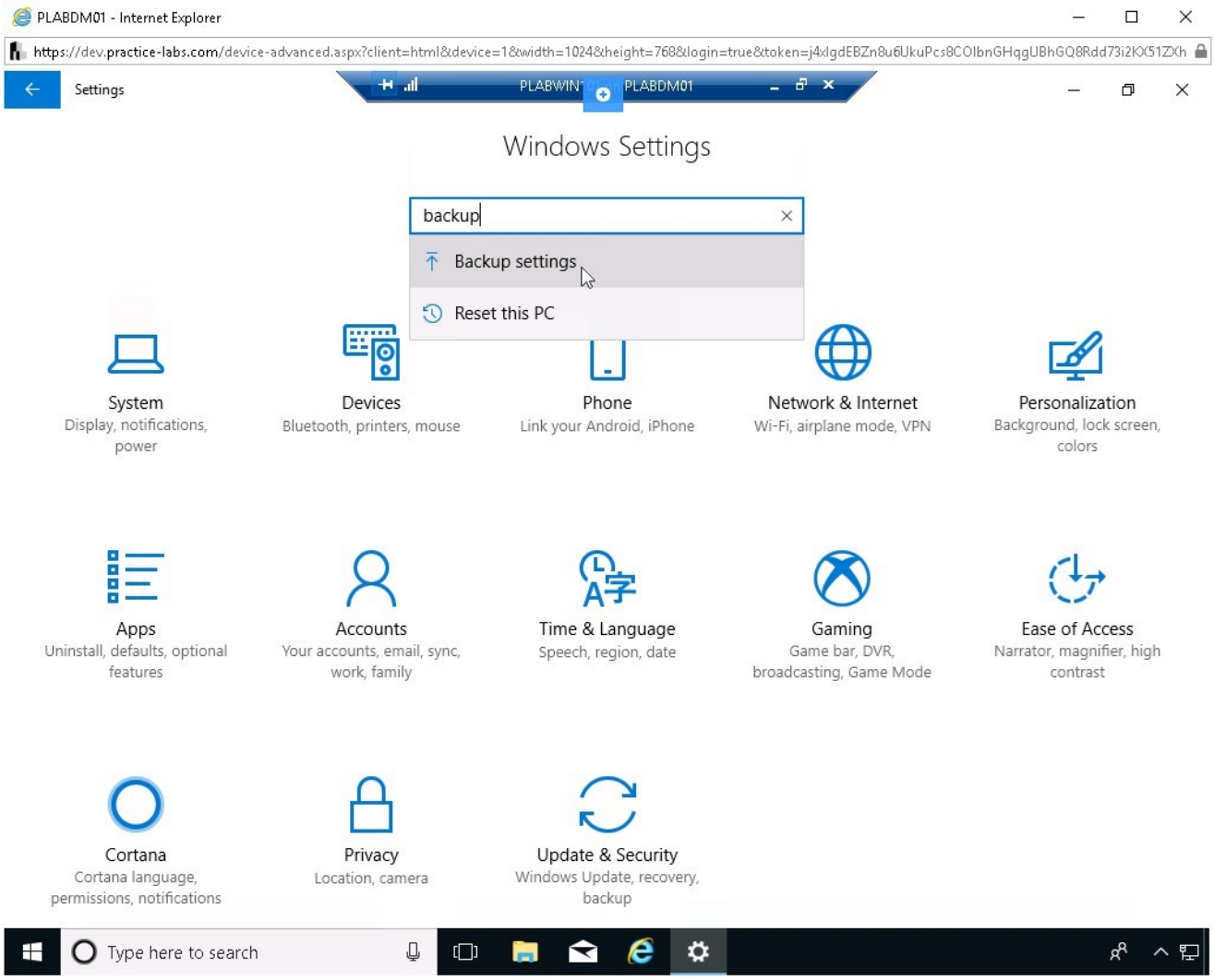


Figure 1.24 Screenshot of the PLABWIN101 virtual desktop: Backup settings option is selected on the Windows Settings screen.

Step 3

From the **Backup** page, under **Looking for an older backup**, select **Go to Backup and Restore (Windows 7)** web link.

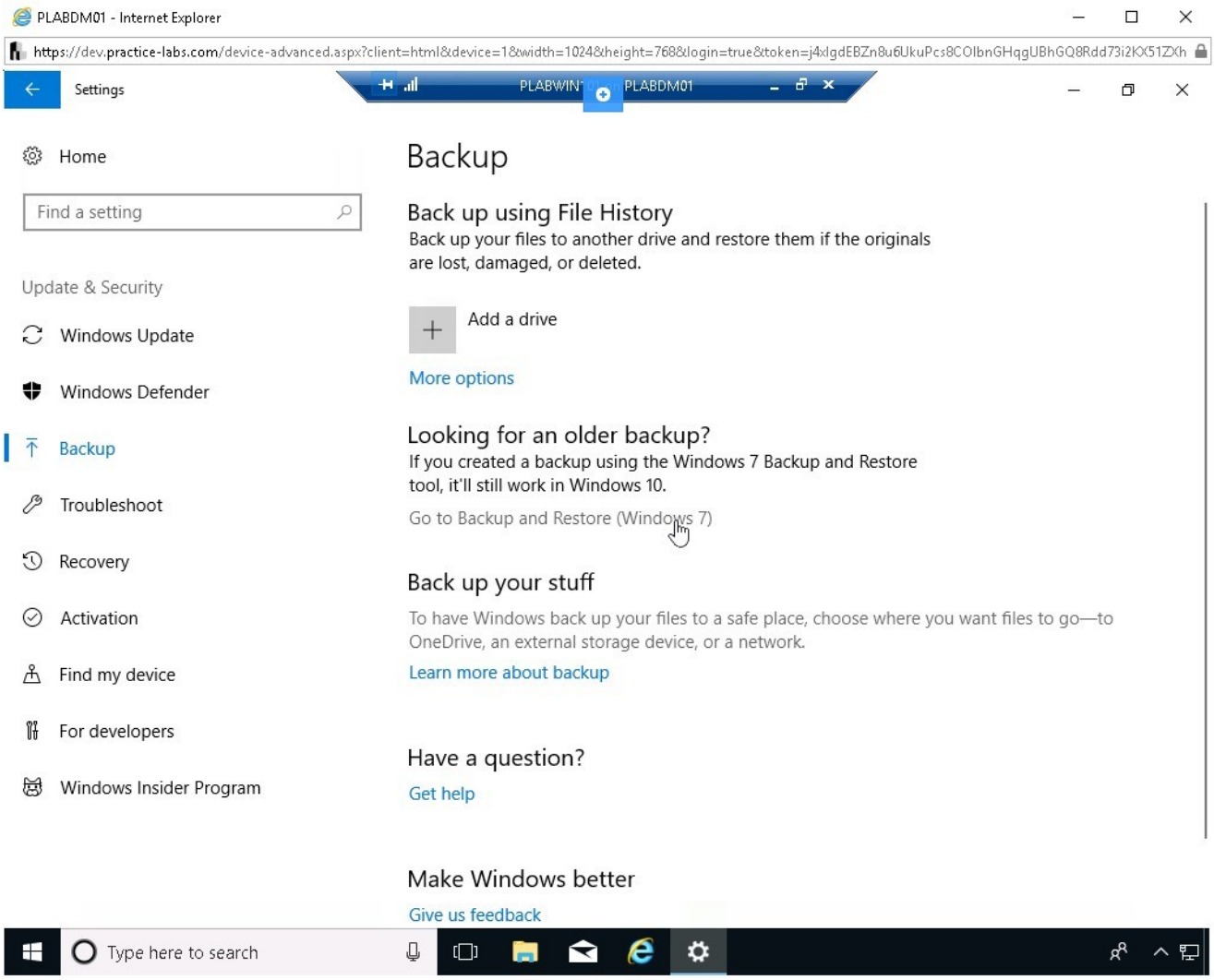


Figure 1.25 Screenshot of the PLABWIN101 virtual desktop: Go to Backup and Restore (Windows 7) web link on the Settings - Backup page is highlighted.

Step 4

On **Backup and Restore (Windows 7)**, click the **Create a system image** link on the left.

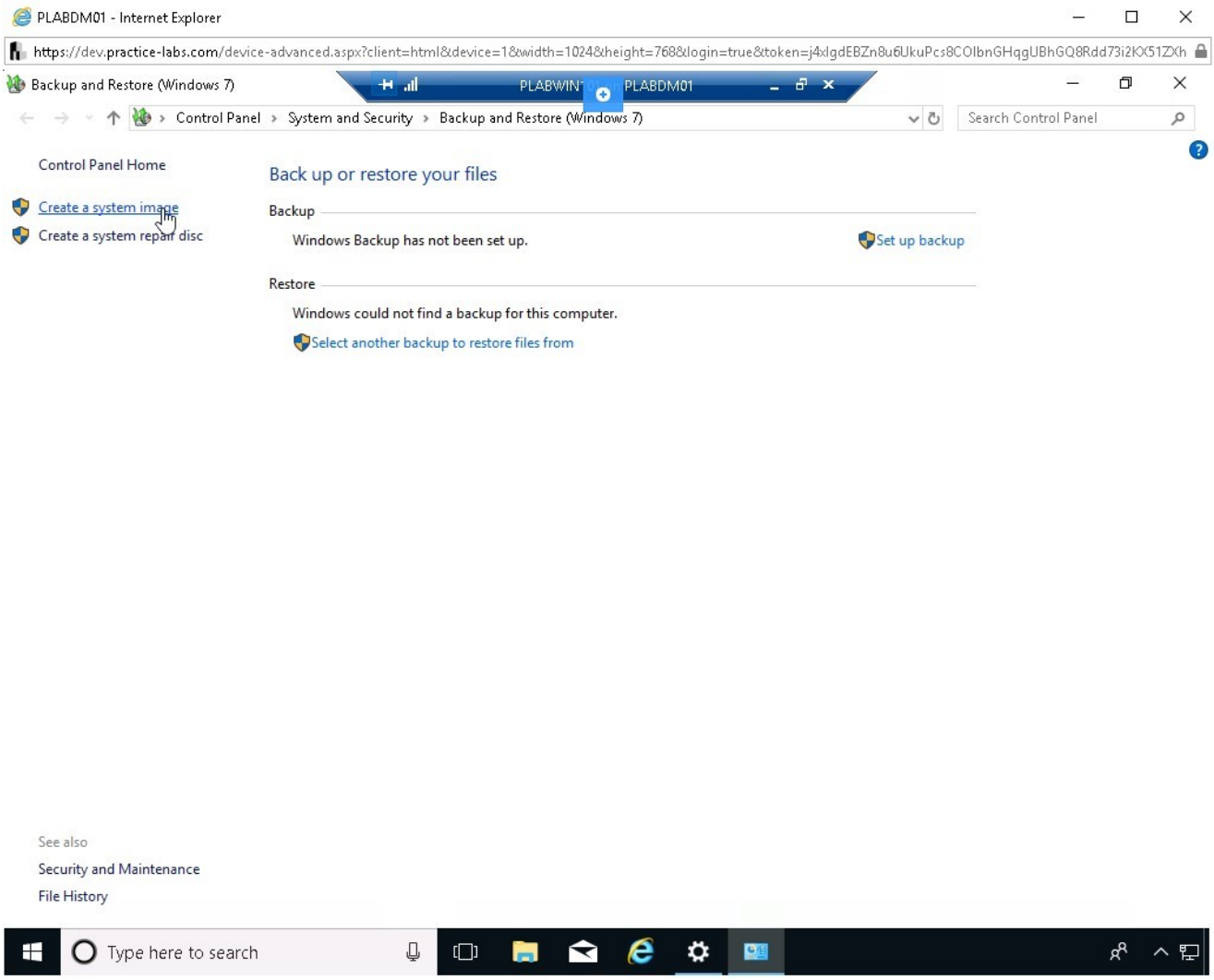


Figure 1.26 Screenshot of the PLABWIN101 virtual desktop: Create a system image web link on the navigation pane at the left on the Backup and Restore (Windows 7) window is highlighted.

Step 5

Windows now looks for backup devices available.

Step 6

From the "**Where do you want to save the backup**?" window, the **On a hard disk** option is automatically selected showing the **New Volume (E:) 126.76 GB free** drive.

Keep this selection and click **Next**.

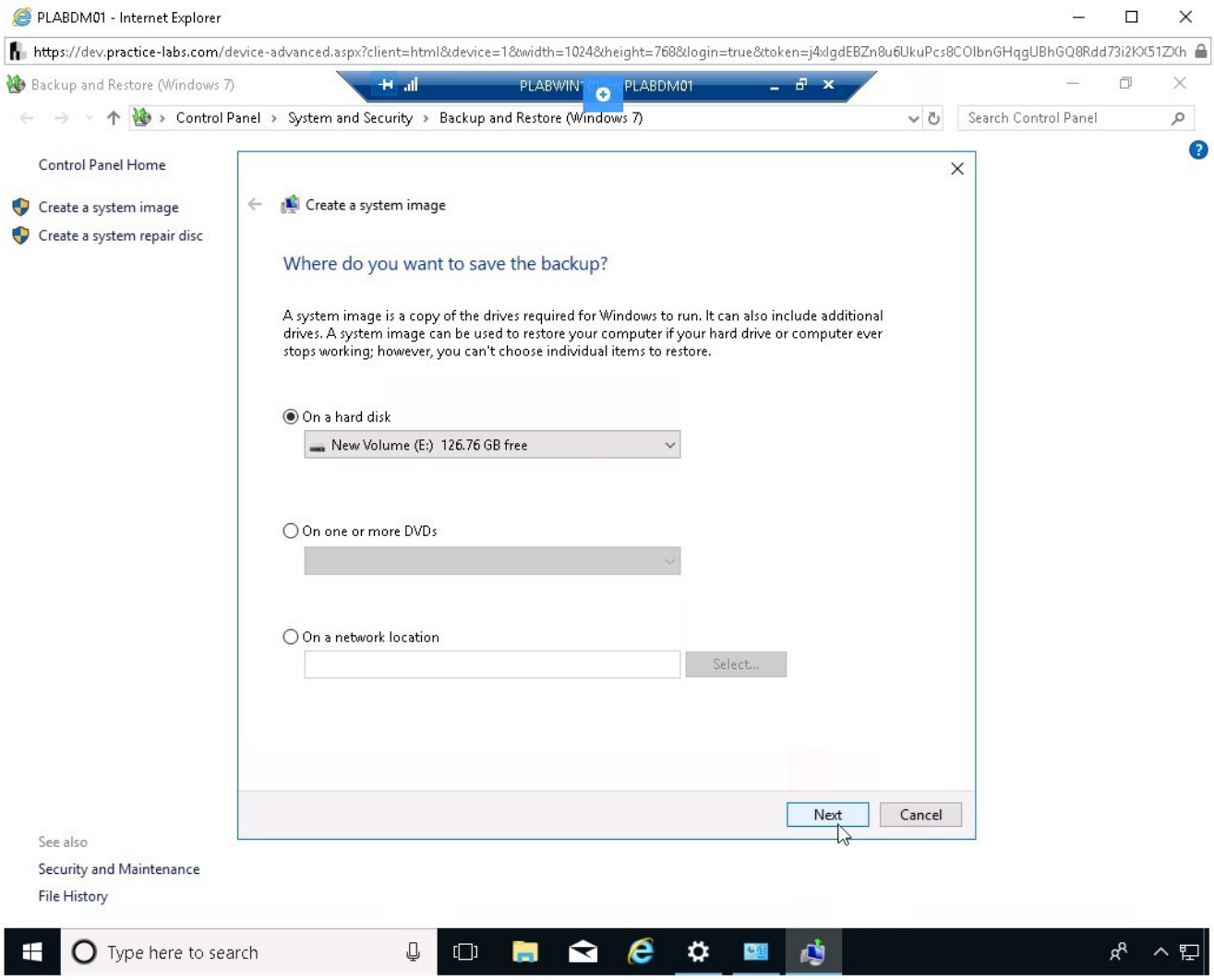


Figure 1.27 Screenshot of the PLABWIN101 virtual desktop: Where do you want to save the backup page on the Create a system image wizard is displayed showing default settings and the Next button highlighted.

Step 7

On the **Confirm your backup settings** page, Windows displays a summary of the location and drives that will be backed up.

Click **Start backup**.

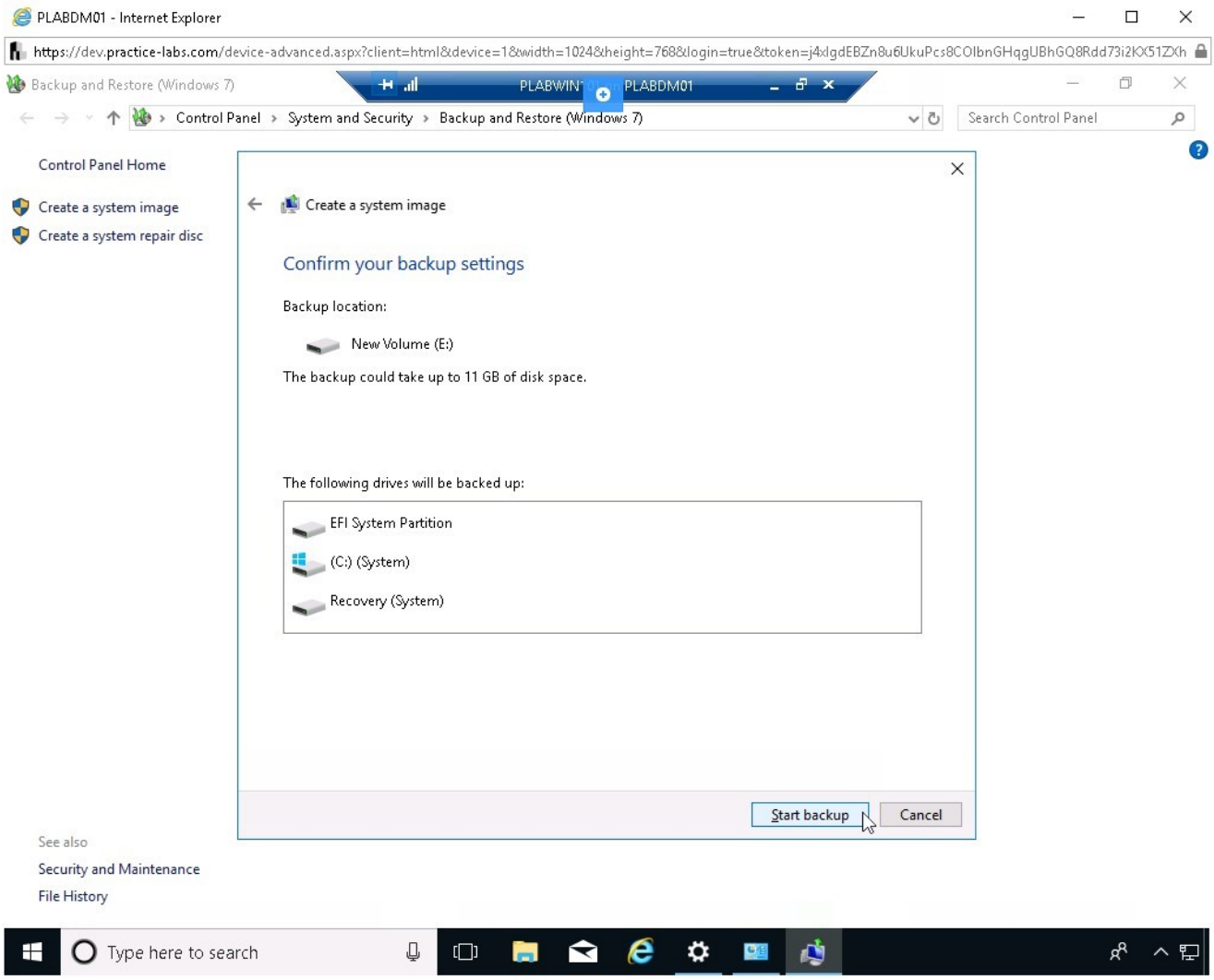


Figure 1.28 Screenshot of the PLABWIN101 virtual desktop: Confirm your backup settings page on the Create a system image wizard is displayed listing specifications to create the backup and showing the Start backup button highlighted.

Step 8

Please wait for a few minutes while the backup operation is in progress.

Step 9

The **Create a system image** message box appears, asking "**Do you want to create a system repair disc**?". Since the lab device lacks the system requirement to create a disc image, select **No**.

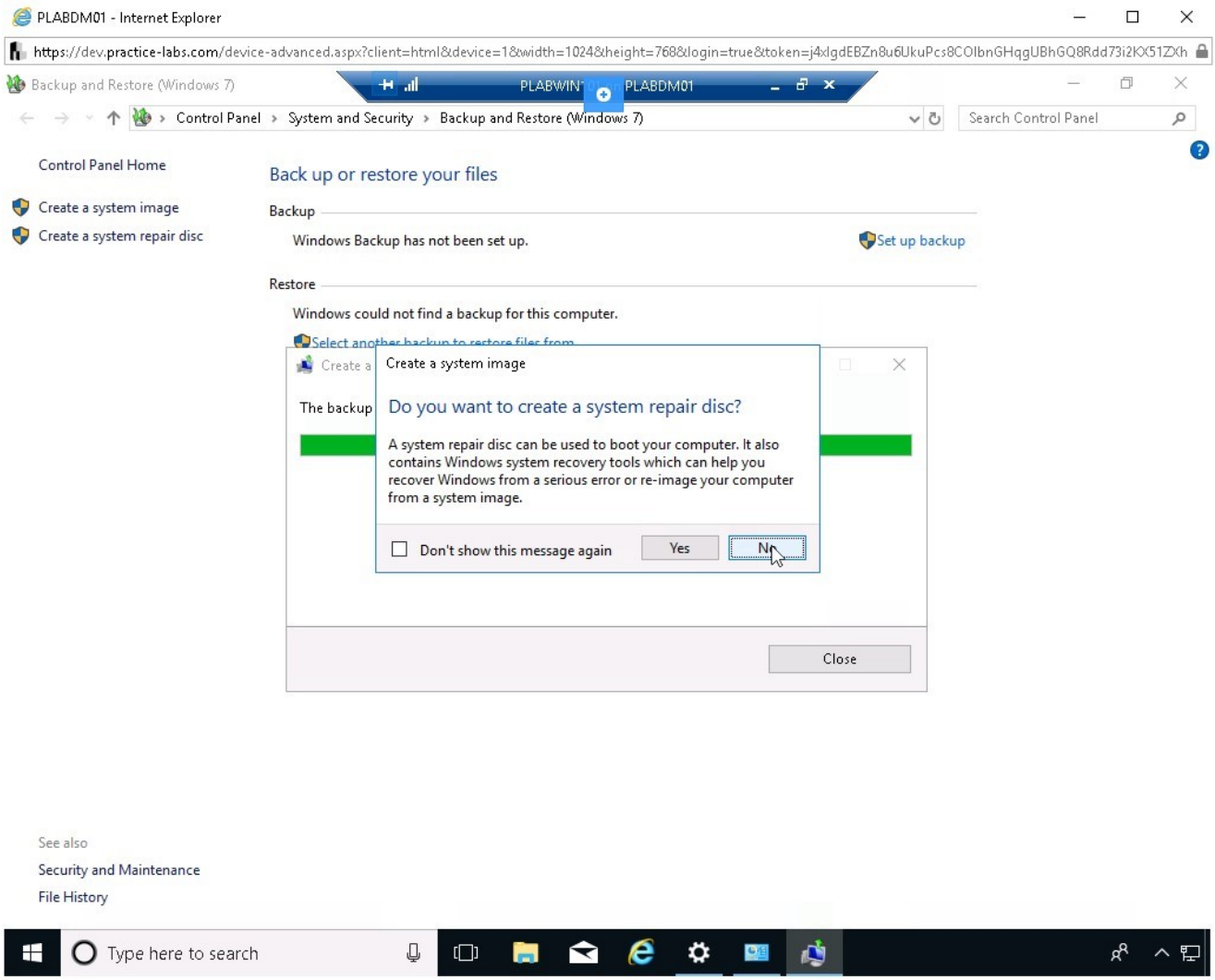


Figure 1.29 Screenshot of the PLABWIN101 virtual desktop: Create a system image - Do you want to create the system repair disc dialog box showing the No button highlighted.

Step 10

Click **Close** when the back up successfully completes.

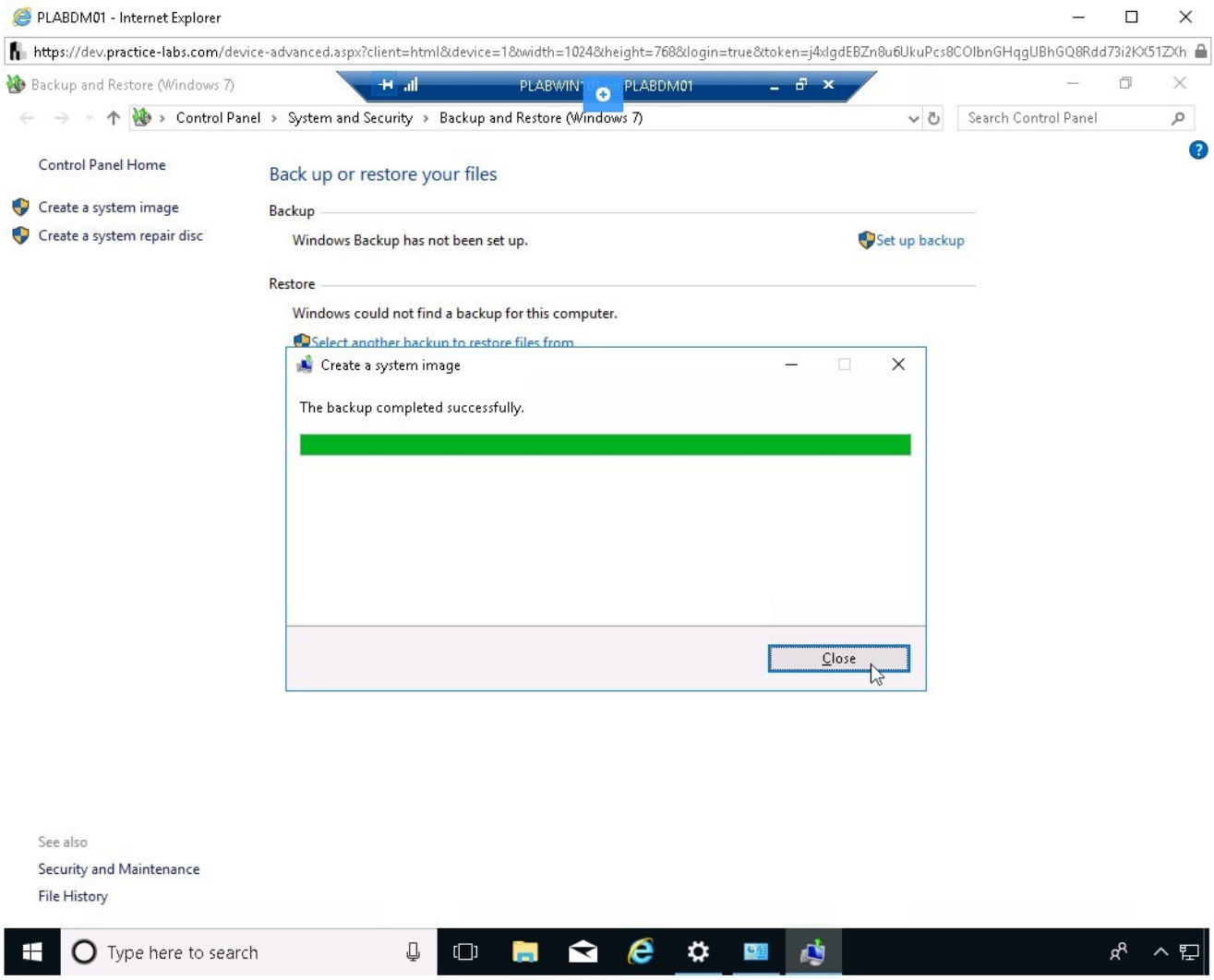


Figure 1.30 Screenshot of the PLABWIN101 virtual desktop: The backup completed successfully page on the Create a system image wizard is displayed showing the Close button highlighted.

Step 11

Close the **Backup and Restore (Windows 7)** window.

Also, close the **Settings** window.

Task 4 - Change the virtual machine start-up settings

When performing a restore of the system image backup, access to the Windows operating system installer media is required. In this task, you will configure the start-up of PLABWIN10 virtual machine to boot from the Windows 10 media.

Step 1

Hover the mouse at the top center of the screen to see the menu.

Then click the **Restore down** button.

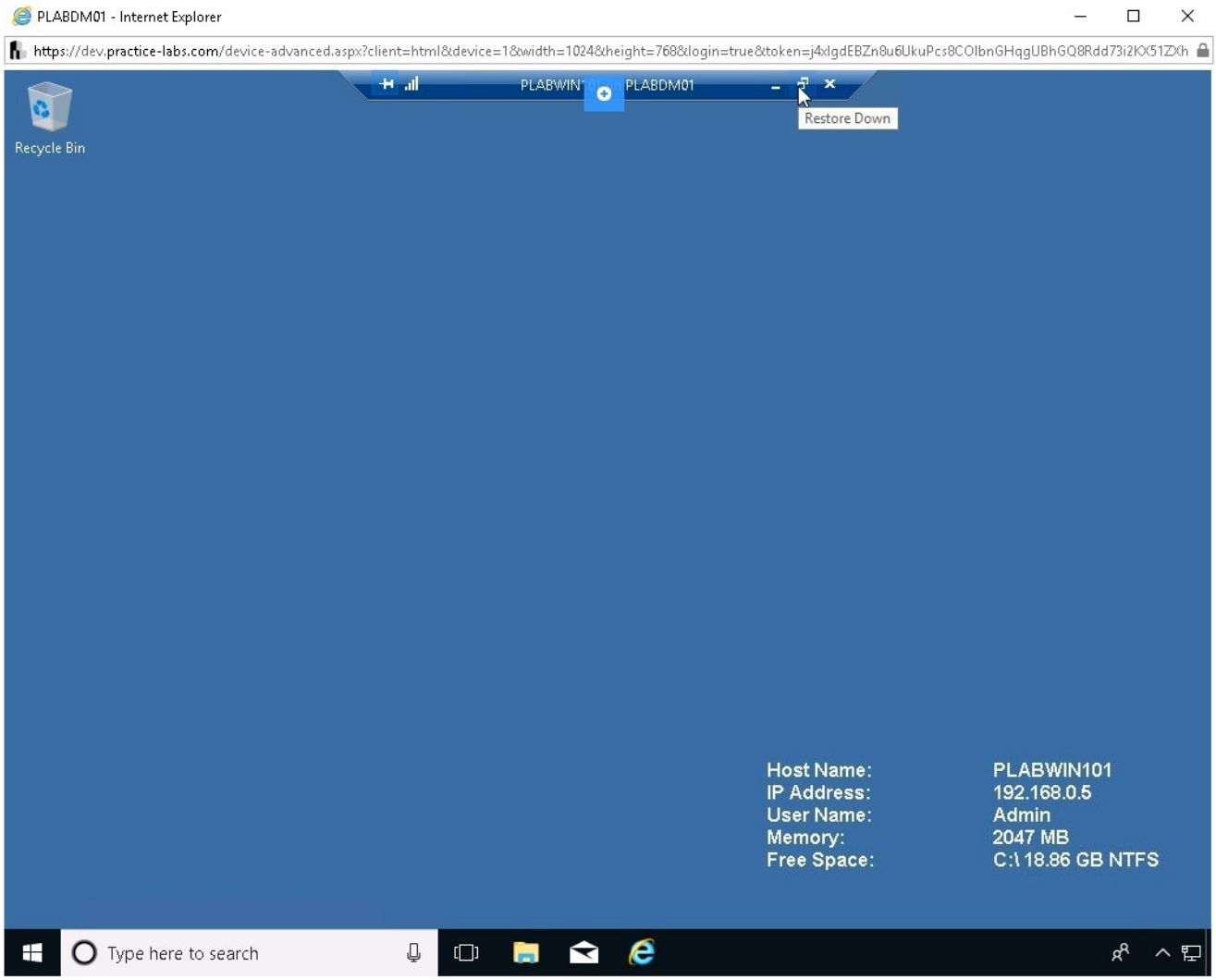


Figure 1.31 Screenshot of the PLABWIN101 virtual desktop: Restore Down button on the connection bar at the top is highlighted.

Step 2

When the top menu appears, click on **File** and select **Settings**...

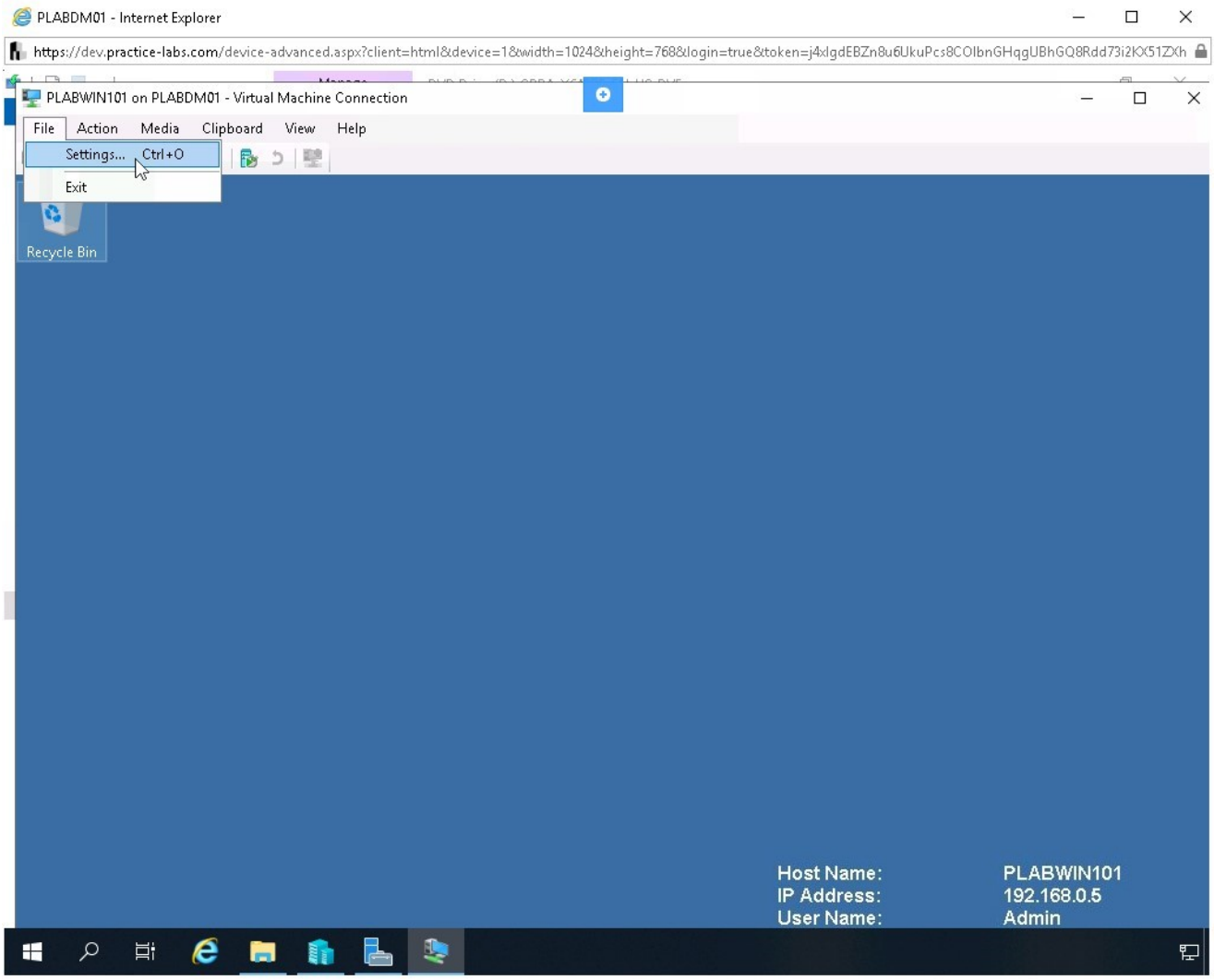


Figure 1.32 Screenshot of the PLABWIN101 virtual desktop: File > Settings menu-options are highlighted on the menu bar at the top.

Step 3

On the **Settings for PLABWIN101 on PLABDM01** dialog box, select **Firmware** on the left.

Access the right details pane, select **DVD Drive** and click **Move up**.

DVD Drive is the Windows 10 Pro installer media.

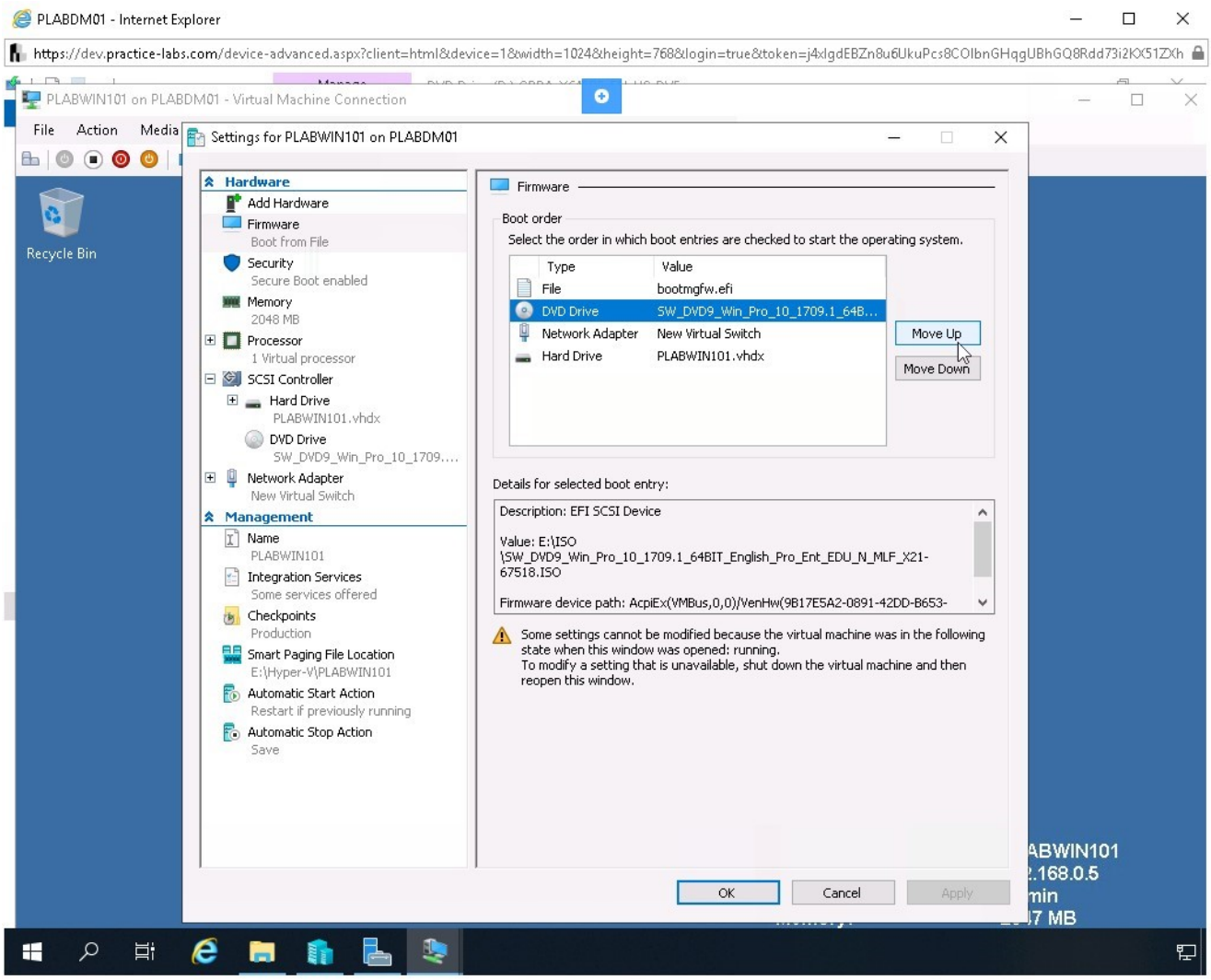


Figure 1.33 Screenshot of the PLABWIN101 virtual desktop: Firmware tab on the Settings for PLABWIN101 on PLABDM01 dialog box is displayed showing the required selection performed and the Move Up button highlighted.

Step 4

Click **OK** to save the changes.

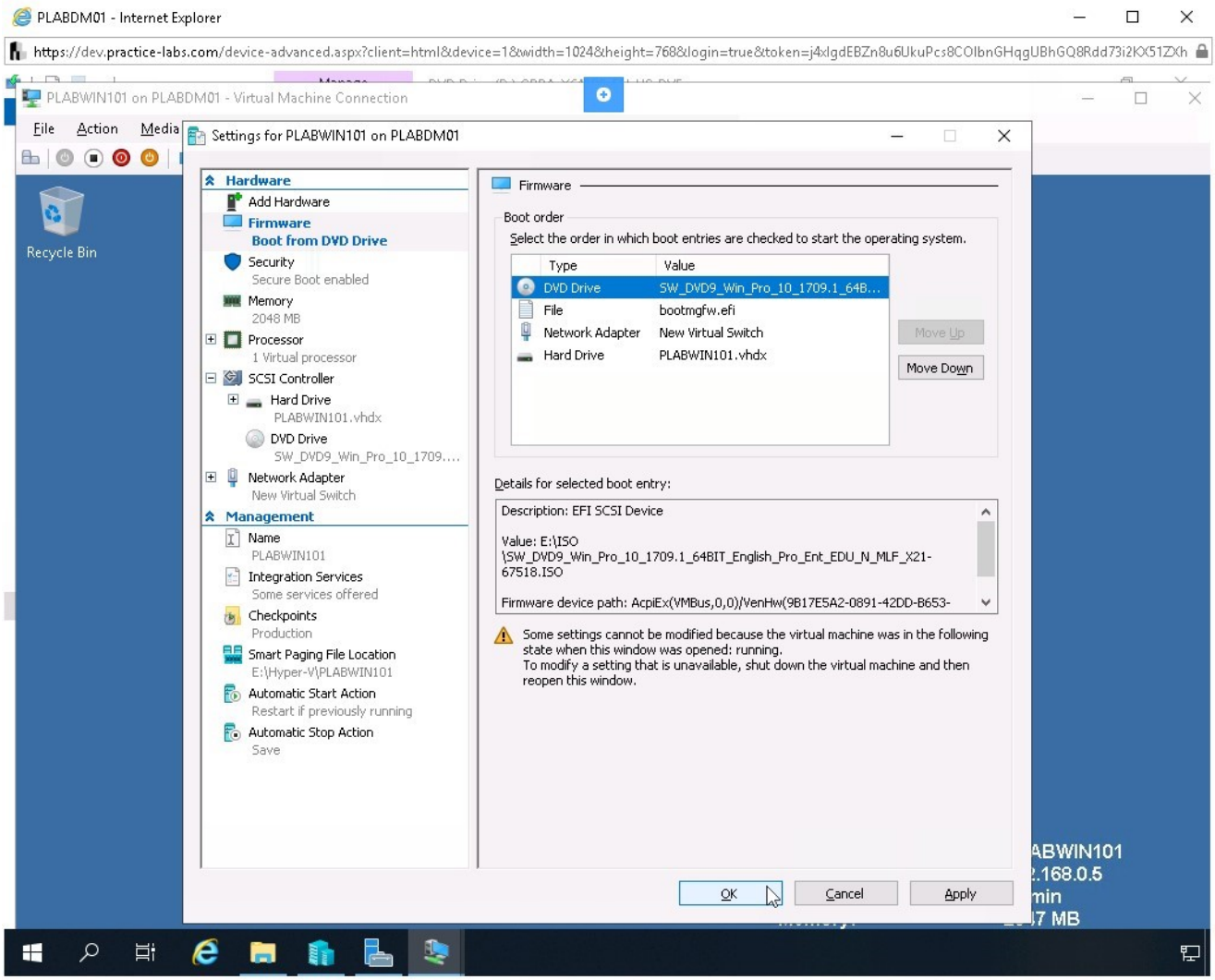


Figure 1.34 Screenshot of the PLABWIN101 virtual desktop: Firmware tab on the Settings for PLABWIN101 on PLABDM01 dialog box is displayed showing the required settings performed and the OK button highlighted.

Step 5

To maximize the virtual machine guest window, click **View** and choose **Full Screen Mode**.

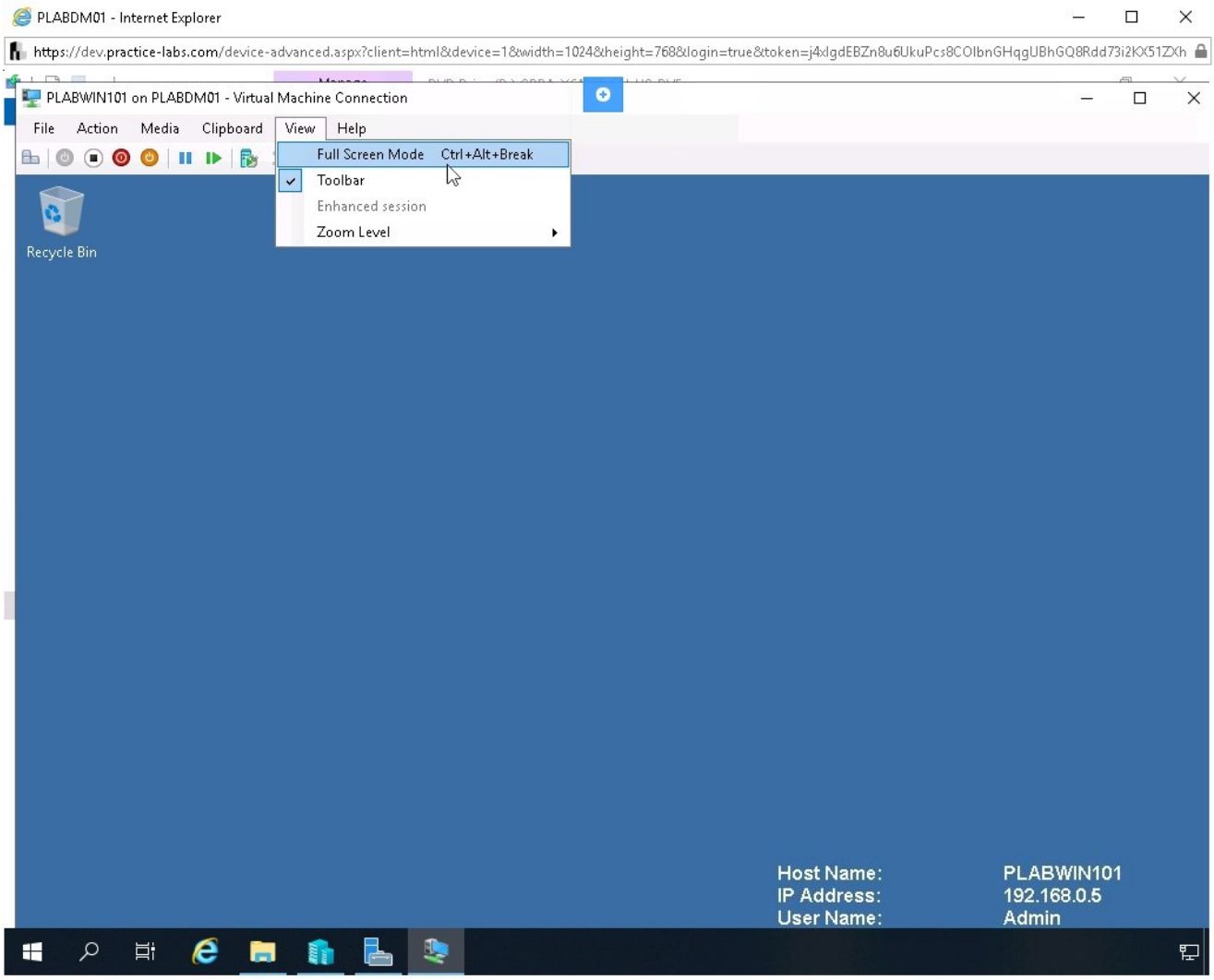


Figure 1.35 Screenshot of the PLABWIN101 virtual desktop: View > Full Screen Mode menu-options are selected on the menu bar at the top on the PLABWIN101 on PLABDM01 - Virtual Machine Connection window.

Step 6

Right-click **Start**, point to **Shutdown or sign out** and select **Restart**.

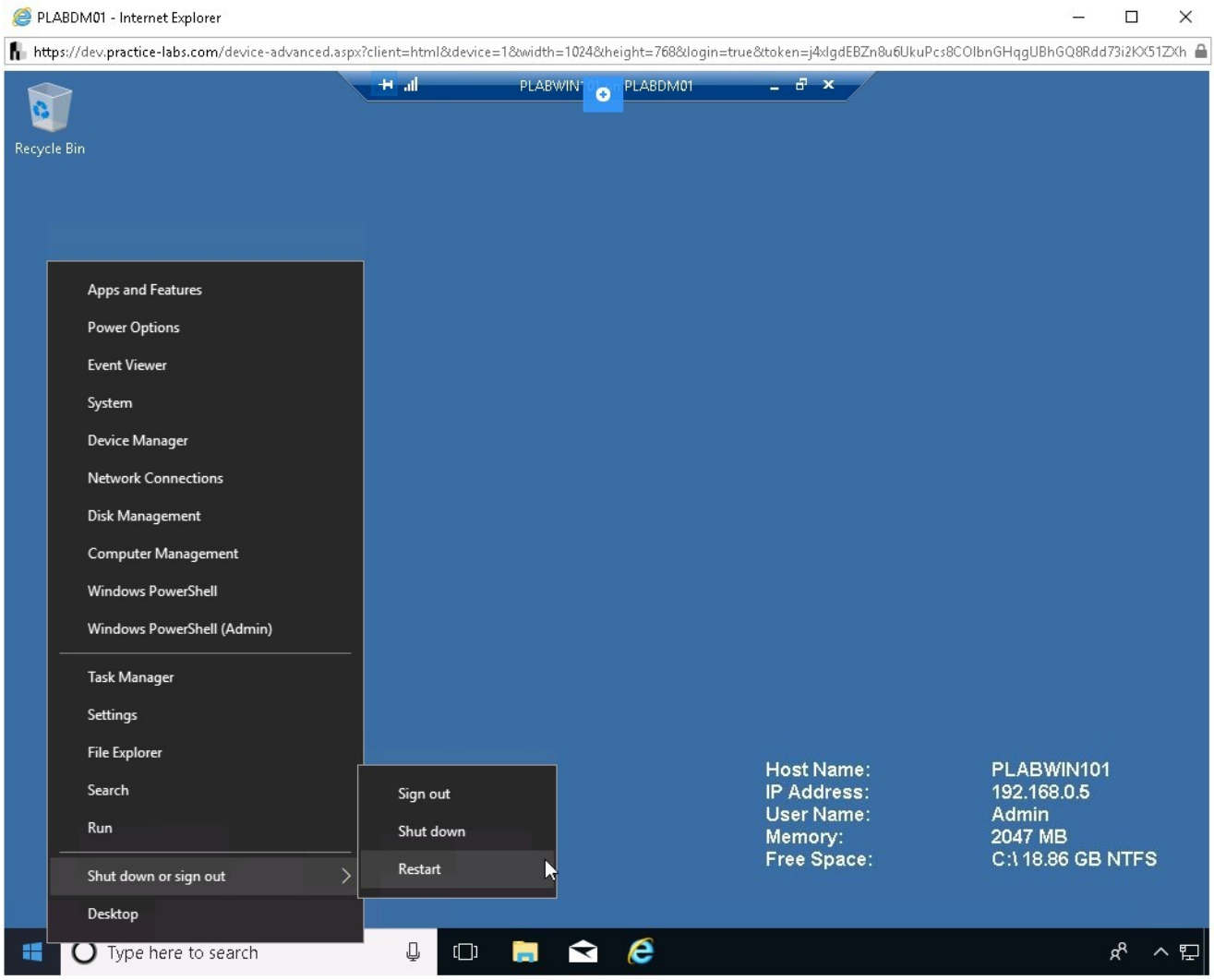


Figure 1.36 Screenshot of the PLABWIN101 virtual desktop: Context menu (that appears on right-clicking the Start charm) > Shut down or sign out > Restart menu-options are highlighted.

Task 5 - Perform system image restore

After setting up the pre-requisites for a system image backup (like a separate physical disk and configuring the computer to start-up with the operating system media), you are set to perform a system image restore.

Step 1

The **PLABWIN101** virtual machine restarts.

When the message "**Press any key to boot from CD or DVD**" appears, press any key to boot from the Windows installer media.

Step 2

Please wait while Windows setup begins.

On the **Windows Setup** screen, keep the default selections and click **Next**.

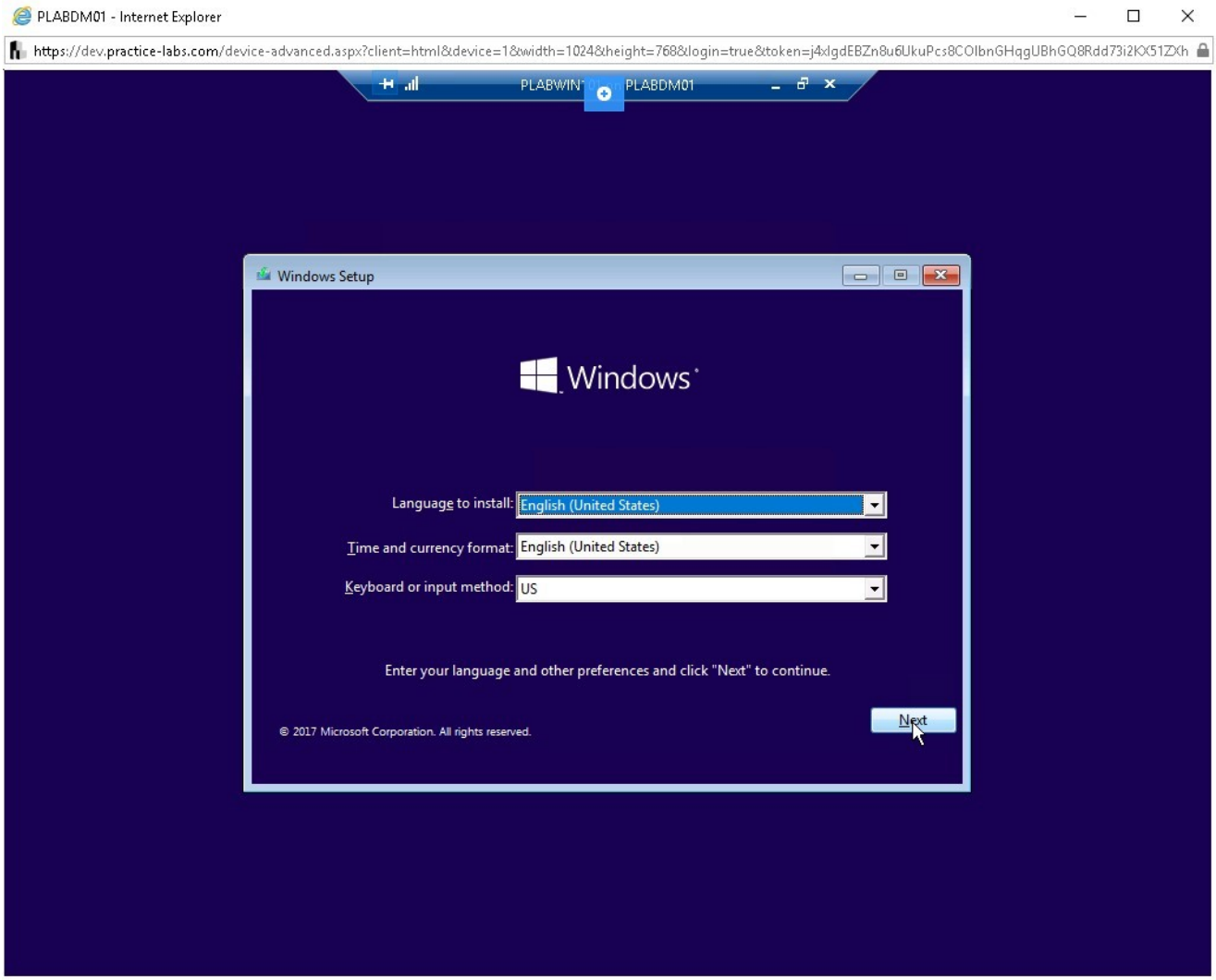


Figure 1.37 Screenshot of the PLABWIN101 virtual desktop: Language and other preferences page on the Windows Setup wizard is displayed showing default settings and the Next button highlighted.

Step 3

From the **Windows Setup** screen, click **Repair your computer**.

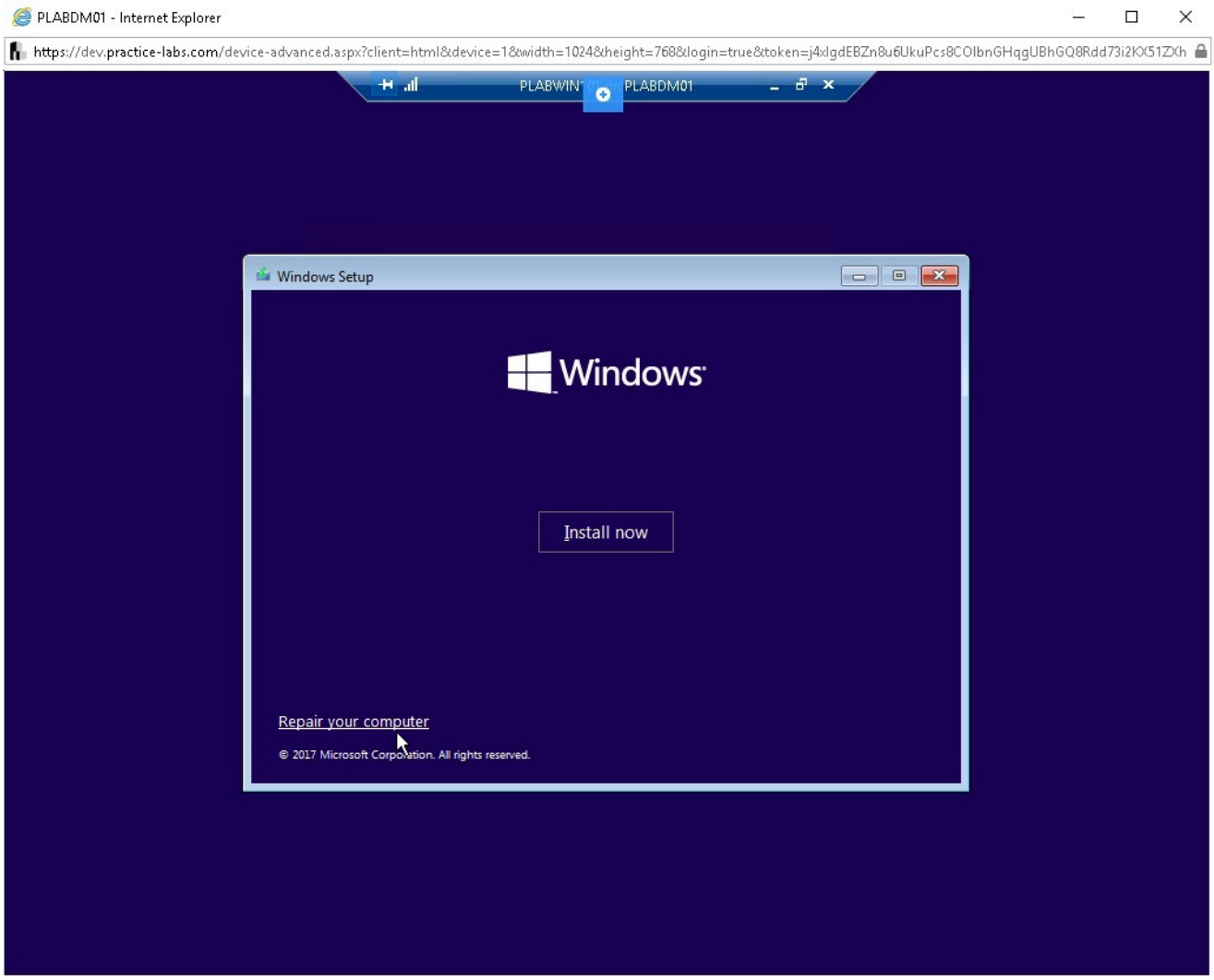


Figure 1.38 Screenshot of the PLABWIN101 virtual desktop: Repair your computer link on the Install now page of the Windows Setup wizard is highlighted.

Step 4

On the **Choose an option** screen, click **Troubleshoot**.

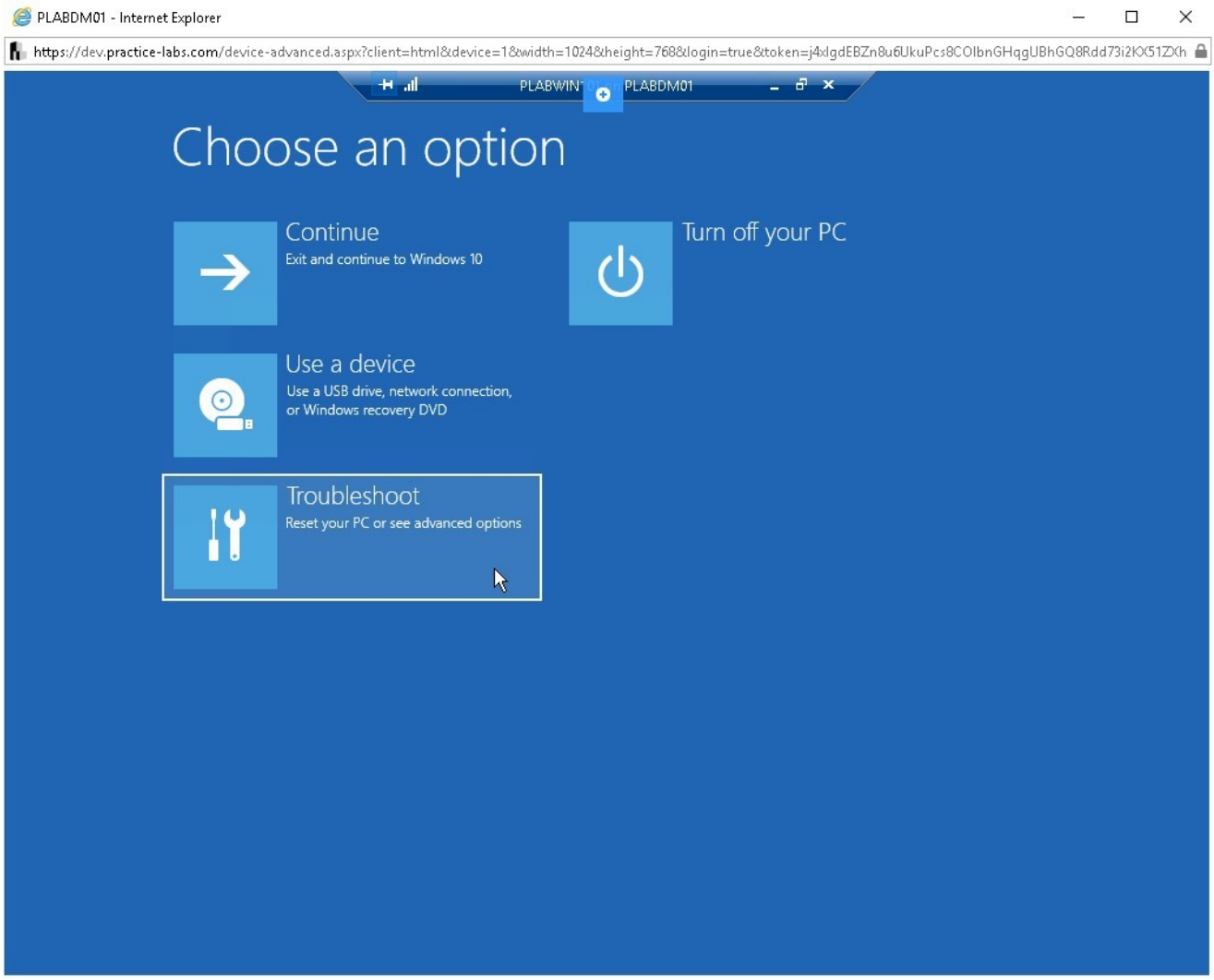


Figure 1.39 Screenshot of the PLABWIN101 virtual desktop: Troubleshoot option on the Choose an option screen is highlighted.

Step 5

From **Advanced options**, click **System Image Recovery**.

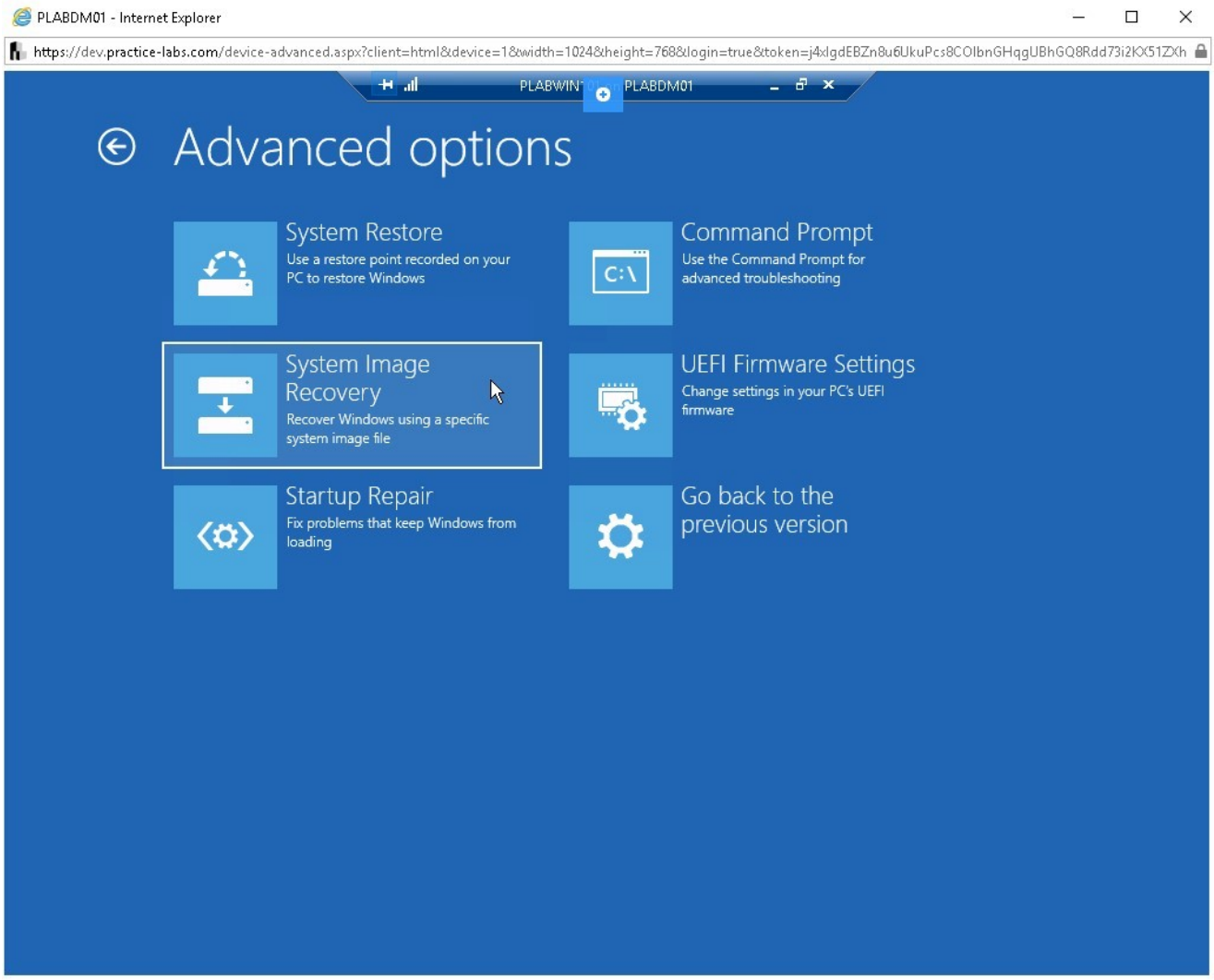


Figure 1.40 Screenshot of the PLABWIN101 virtual desktop: System Image Recovery option on the Advanced options screen is highlighted.

Step 6

On the **System Image Recovery** page, click **Windows 10**.

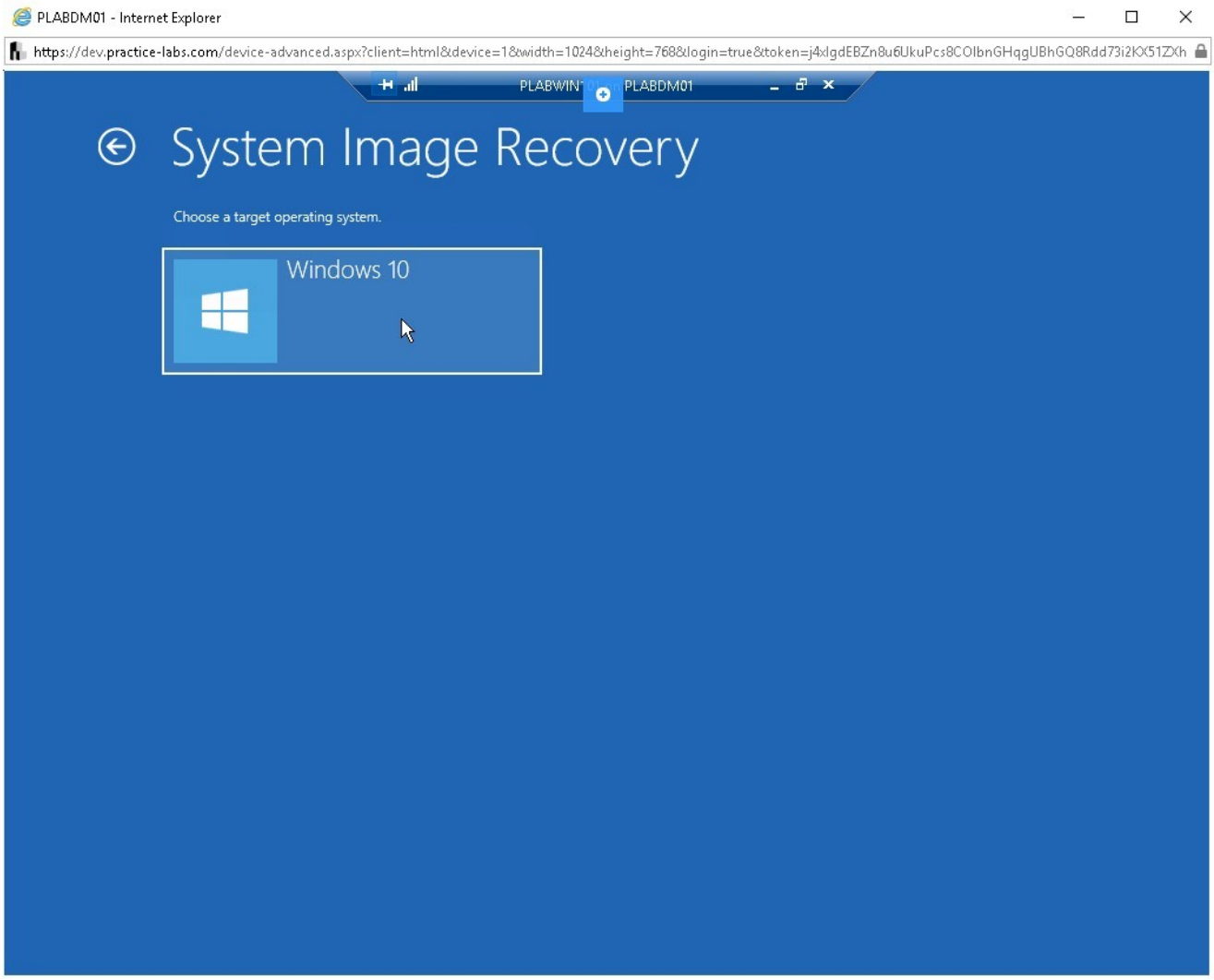


Figure 1.41 Screenshot of the PLABWIN101 virtual desktop: Windows 10 option on the System Image Recovery screen is highlighted.

Step 7

On the **Select a system image backup** page, the system image you made earlier is detected.

Recall that the New Volume (E:) drive is the storage of the PLABWIN101 system image backup. On the System Image Restore process it will be the New Volume (D:) drive.

Click **Next**.

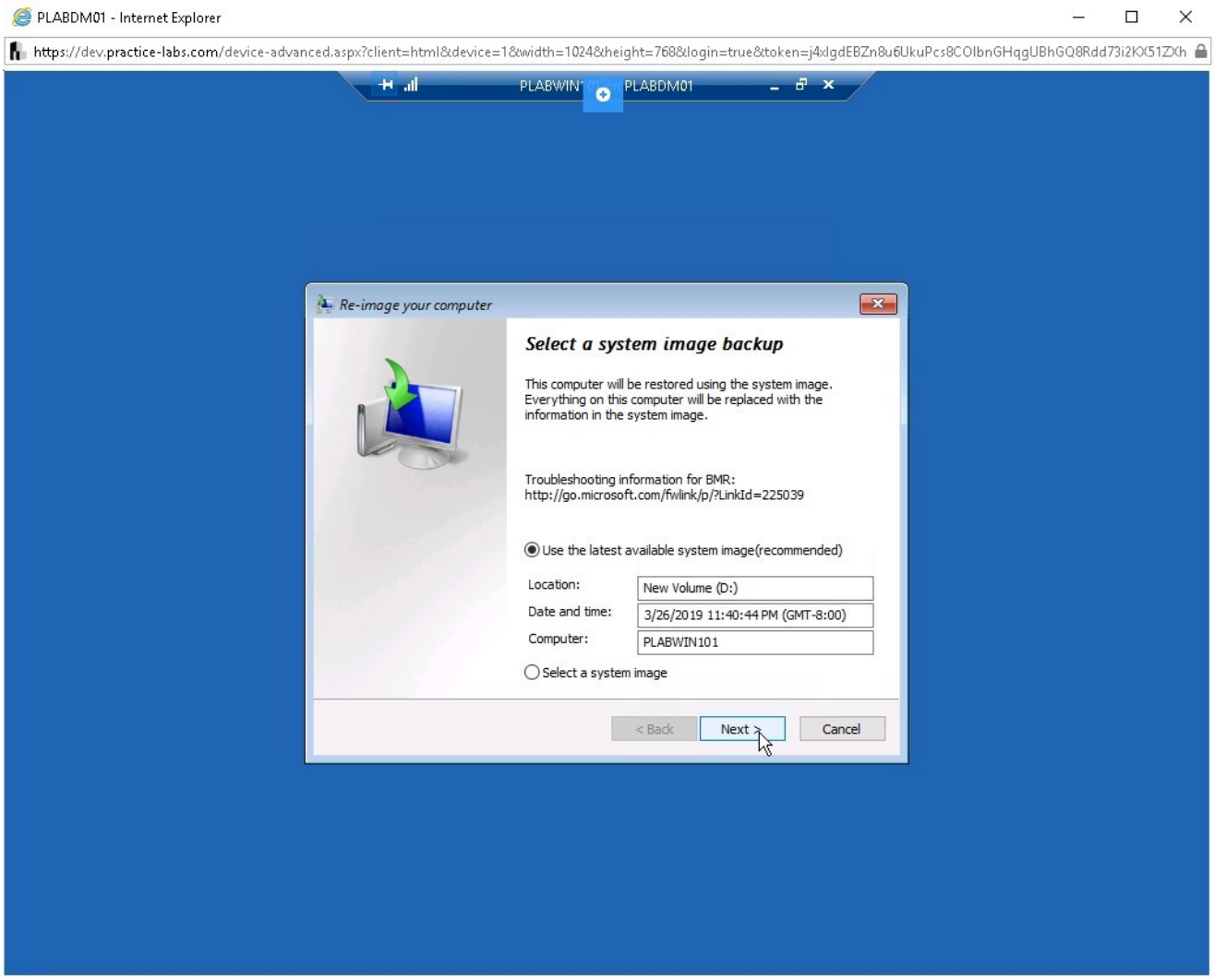


Figure 1.42 Screenshot of the PLABWIN101 virtual desktop: Select a system image backup page on the Re-image your computer wizard is displayed showing default settings and the Next button highlighted.

Step 8

Click **Next** on the **Choose additional restore options** page.

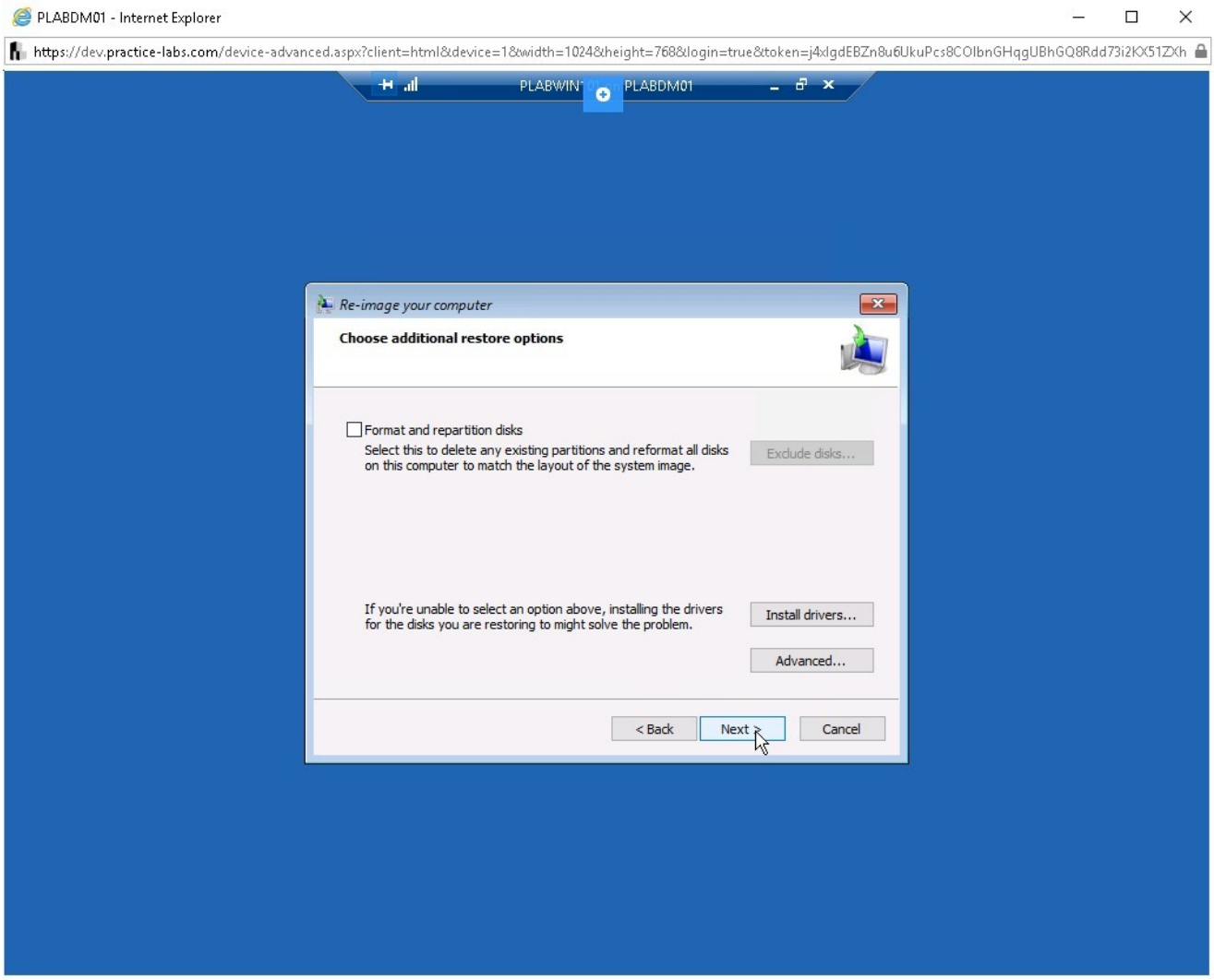


Figure 1.43 Screenshot of the PLABWIN101 virtual desktop: Choose additional restore options page on the Re-image your computer wizard is displayed showing default settings and the Next button highlighted.

Step 9

On the **Your computer will be restored from the following system image** page, click **Finish**.

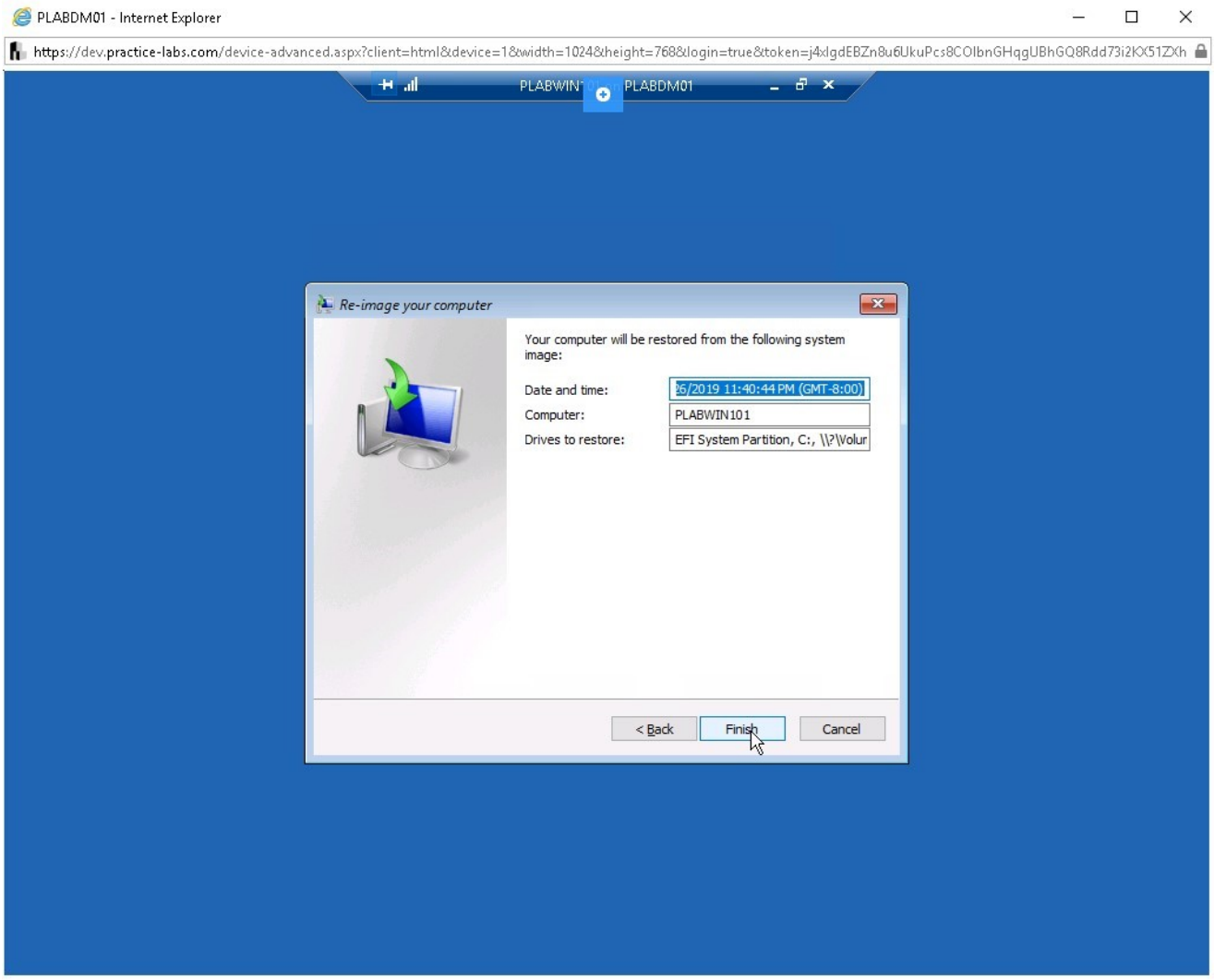


Figure 1.44 Screenshot of the PLABWIN101 virtual desktop: Your computer will be restored from the following system image page on the Re-image your computer wizard is displayed showing default settings and the Finish button highlighted.

Step 10

When prompted with the "**All data on the drives to be restored will be replaced with the data in the system image**" message box, click **Yes**.

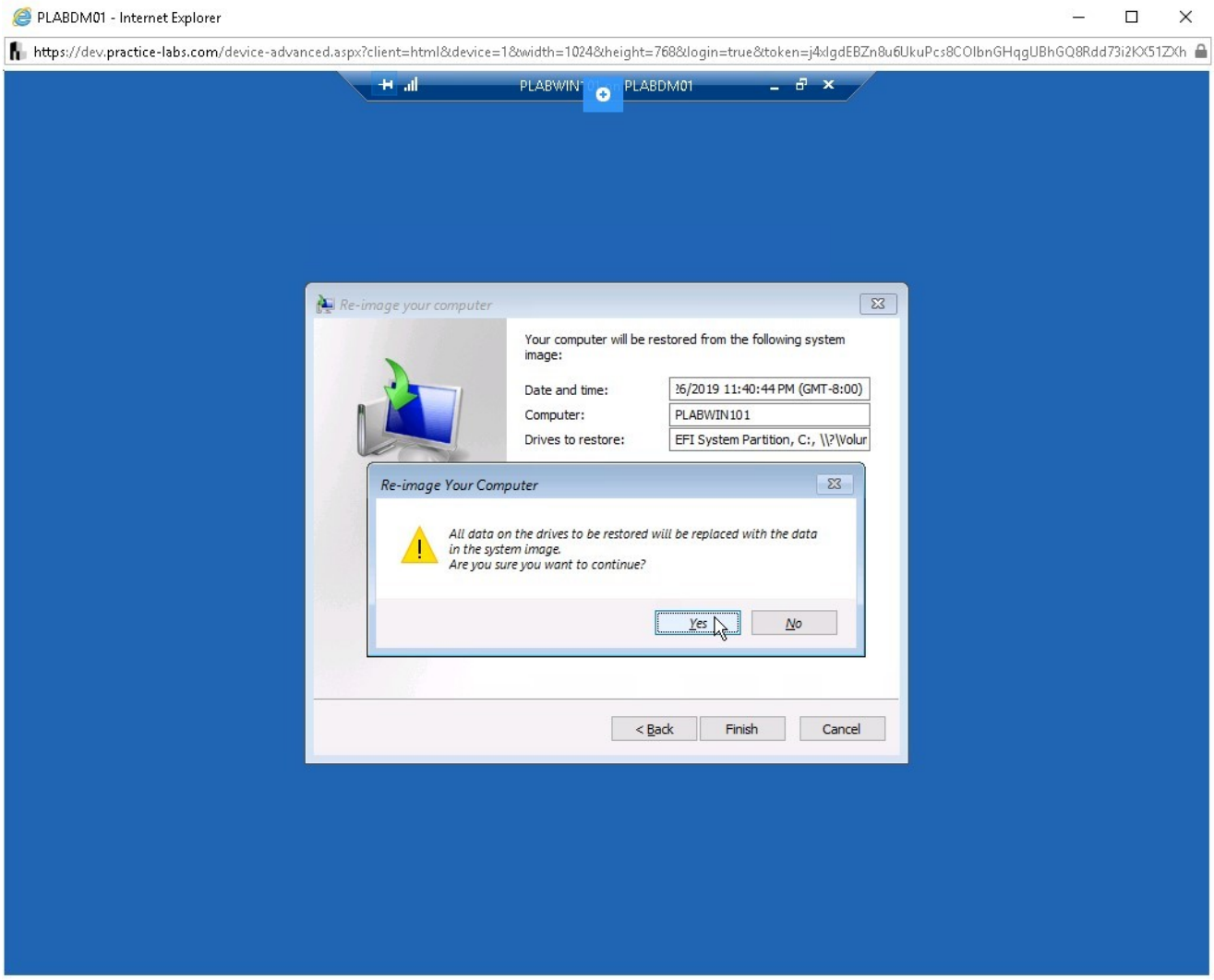


Figure 1.45 Screenshot of the PLABWIN101 virtual desktop: Re-image Your Computer caution box is displayed prompting for confirmation to continue with re-imaging and showing the Yes button highlighted.

Step 11

Re-imaging your computer will take a few minutes to complete.

Step 12

Restoring disk (C:) is now in progress, this will take a few minutes to finish.

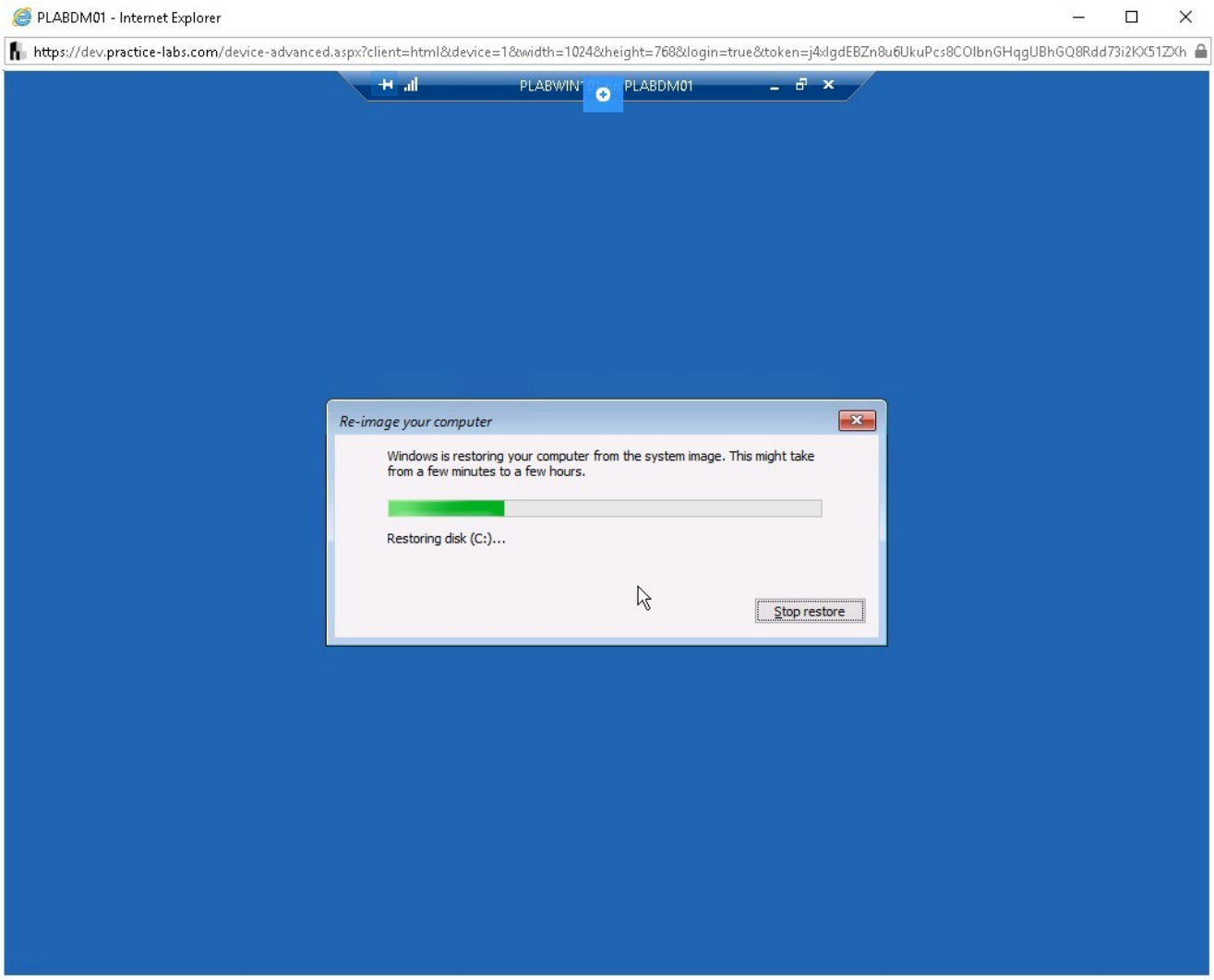


Figure 1.46 Screenshot of the PLABWIN101 virtual desktop: Re-image your computer track box is displayed tracking Windows restoration from the specified system image.

Step 13

When the restore is completed successfully, click **Restart now**.

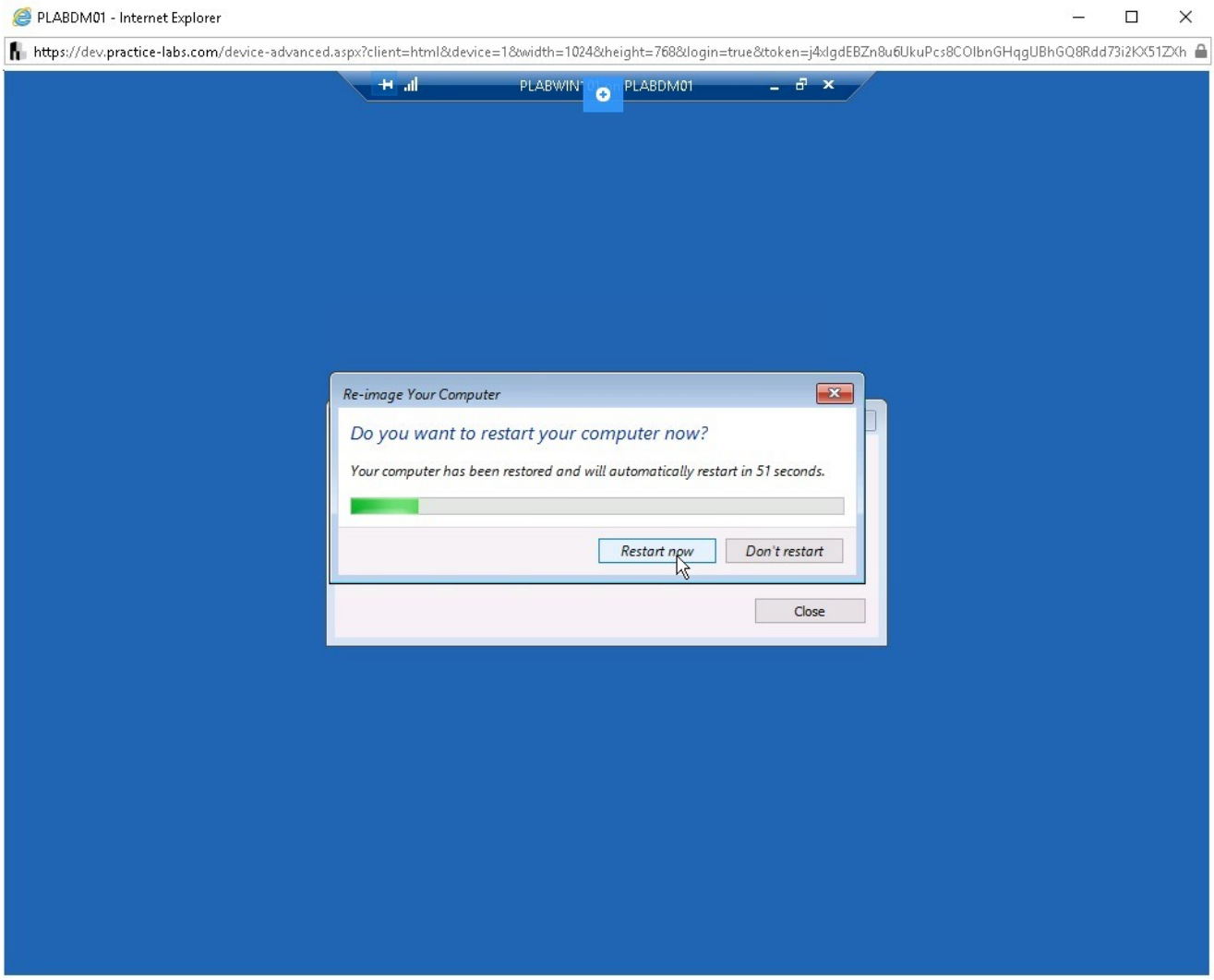


Figure 1.47 Screenshot of the PLABWIN101 virtual desktop: Do you want to restart your computer now dialog box on the Re-image your computer wizard is displayed prompting for confirmation to restart the computer and showing the Restart now button highlighted.

Step 14

Ignore the "**Press any key to boot from CD or DVD**..." message.

Step 15

Click the wallpaper to sign in as **Admin**.

Type `Passw0rd` and press **Enter**.

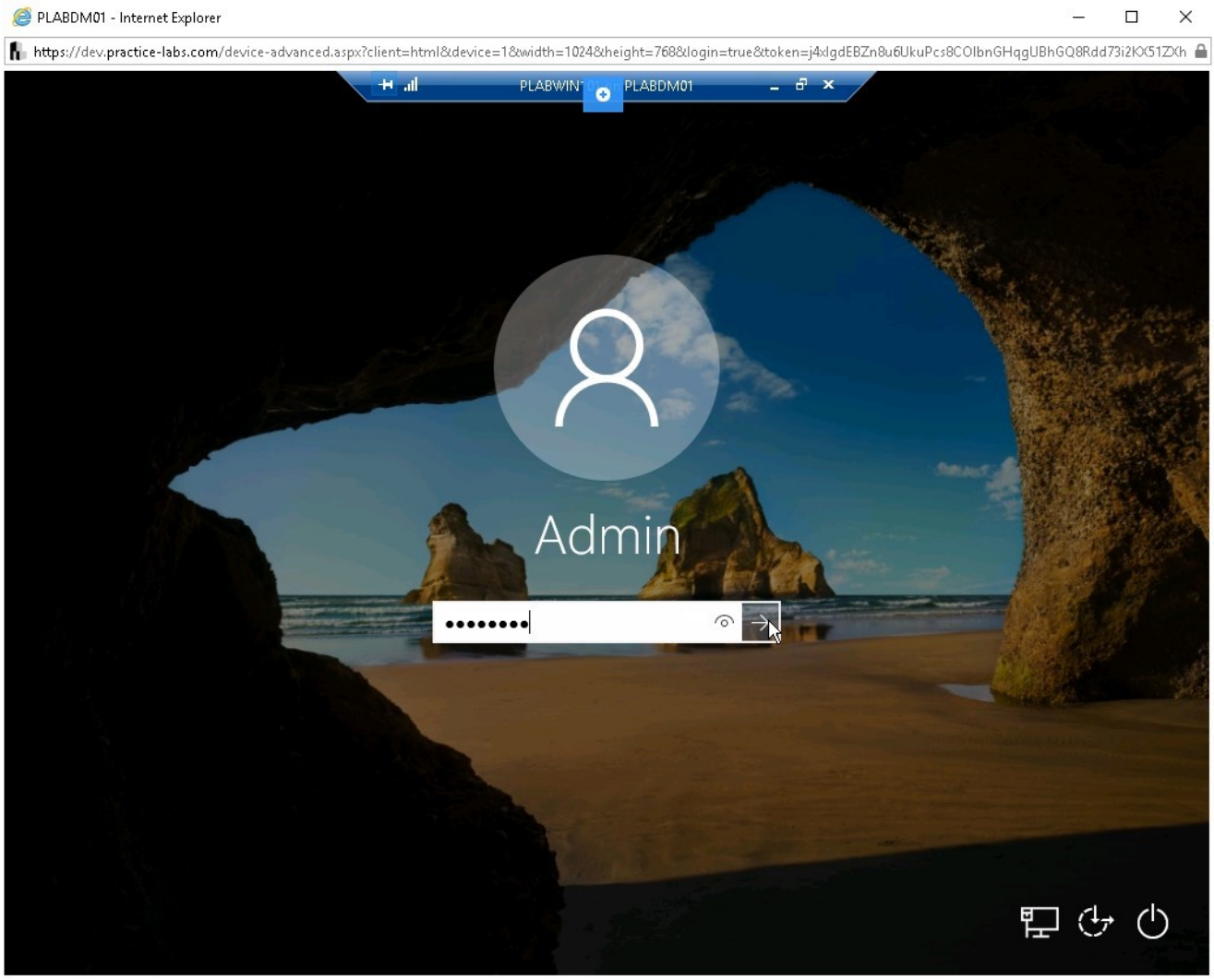


Figure 1.48 Screenshot of the PLABWIN101 virtual desktop: Default login screen is displayed showing the required login credentials typed-in.

Step 16

When signed-in, notice that the system settings were successfully restored.

Right-click **Start** and select **System**.

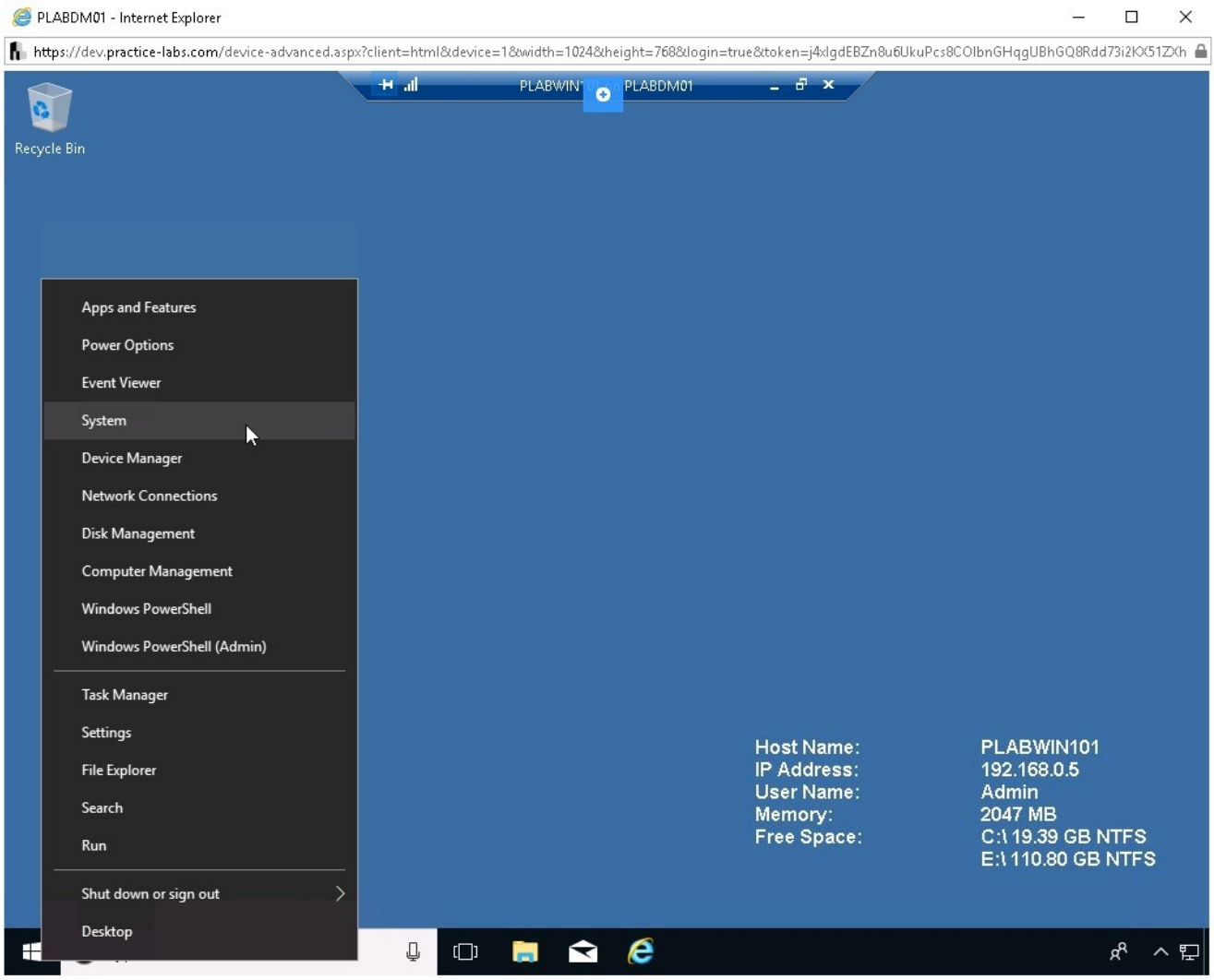


Figure 1.49 Screenshot of the PLABWIN101 virtual desktop: Context menu (that appears on right-clicking the Start charm) > System menu-options are highlighted.

Step 17

From the **Settings** window, observe the **Device specifications** section.

The details of the device name indicate a successful restore from a system image.

Step 18

Right-click **Start**, point to **Shut down or sign out**.

Select **Shut down**.

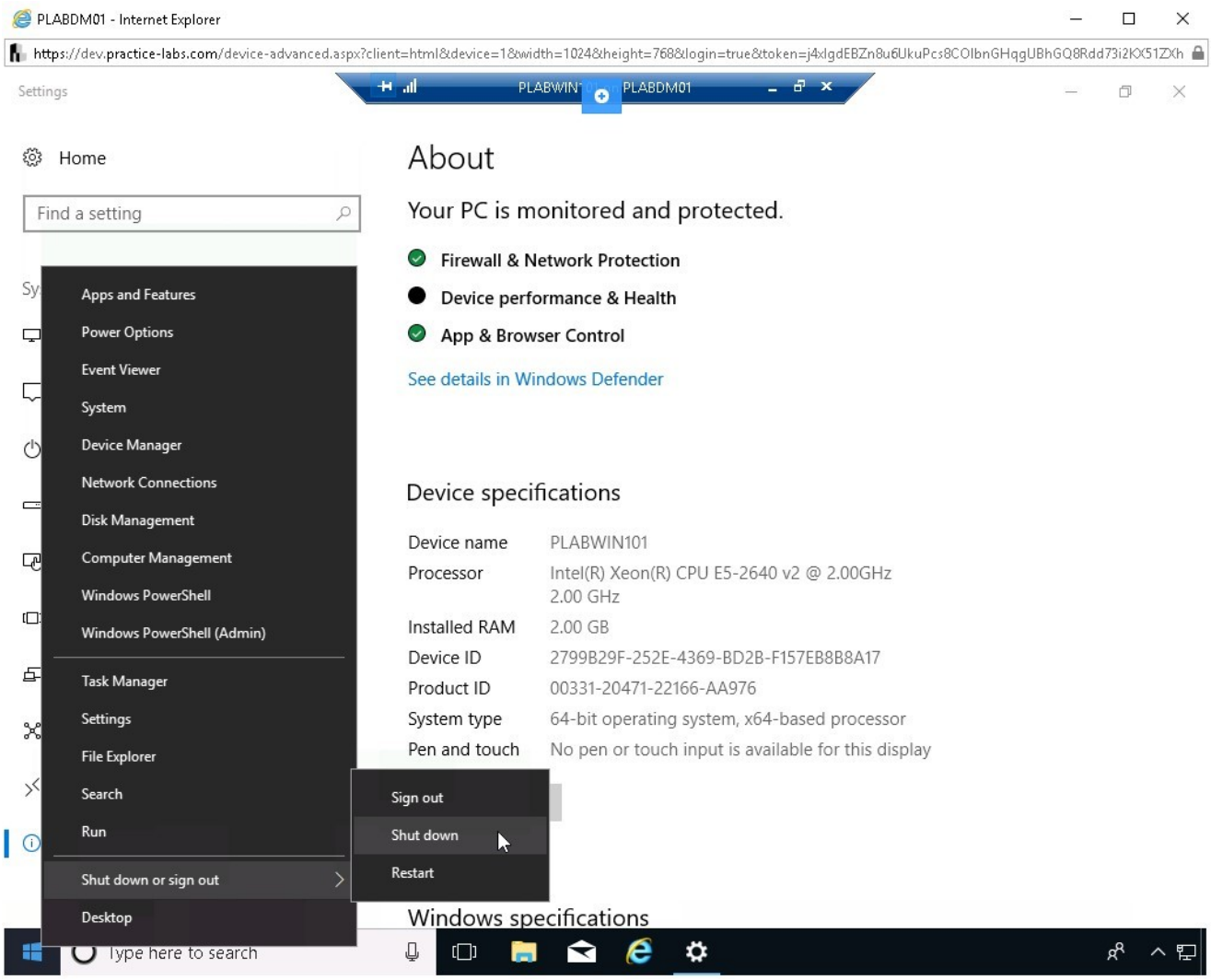


Figure 1.50 Screenshot of the PLABWIN101 virtual desktop: Context menu (that appears on right-clicking the Start charm) > Shut down or sign out > Shut down menu-options are highlighted.

Step 19

Close the **PLABWIN101** guest virtual machine window.

Also, close **Hyper-V Manager**.

Keep all devices in their current state and proceed to the next exercise.

Exercise 2 - Schedule a Server Backup

Knowing how to protect the server infrastructure from data loss due to hardware or software issues is important for personnel maintaining a computer network. Windows Server includes disaster recovery and high availability tools to ensure restoration of lost data and quick reinstatement of servers. These tools are **Failover clustering** and **Windows Server Backup**.

Failover clustering is a Windows feature that provides virtually zero downtime. A Failover cluster is a collection of servers composed of an active and passive node. The active node runs the network service and connects to external disk storage. When the active node fails, the cluster transitions the network service to the passive node subsequently assuming the role of an active node in the Failover cluster.

Windows Server Backup is a feature that supports backing up operating system data, application data, disk volumes, and user data files. Windows Server backup utilizes a shared network folder, separate disk volume and tape drives to store backup data. The backup software includes automation features with the use of scheduled backups. The backup schedule can be set up in off-peak hours to minimize competition with network users and server applications.

In this exercise, you will install Windows Server backup in PLABDC01 and create a scheduled backup of the system state data or Active Directory.

To learn more about how to schedule a server backup, please refer to your course material or use your favorite search engine to research for more information about this topic.

Learning Outcomes

After completing this exercise, you will be able to:

- Install Windows Server Backup
- Allow File and Printer Sharing feature
- Schedule a backup

Your Devices

You will be using the following devices in this exercise. Please power these on now.

- **PLABDC01** - Domain Controller (Windows Server 2019)
- **PLABDM01** - Domain Member (Windows Server 2019)

Task 1 - Install Windows Server Backup

For this task, Windows PowerShell will be used to install Windows Server Backup. Server Manager is an alternative method to install other Windows features.

Step 1

Connect to **PLABDC01**.

From the **Server Manager > Dashboard** window, click **Tools** and select **Windows PowerShell.**

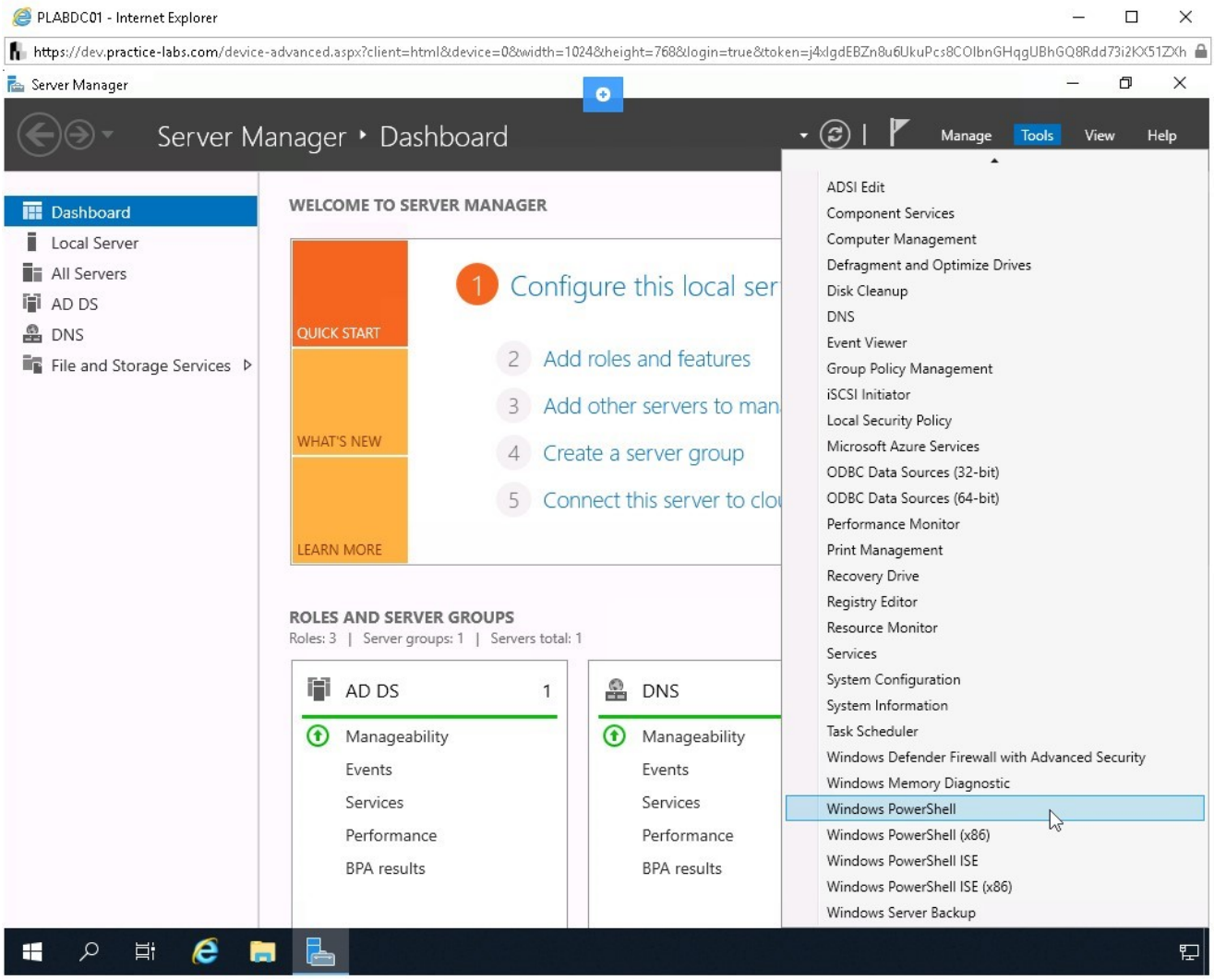


Figure 2.1 Screenshot of the PLABDC01 desktop: Tools > Windows PowerShell menu-options are highlighted on the Server Manager console.

Step 2

> ***Note:*** *Windows PowerShell commands are not case-sensitive.*

To install Windows Server Backup, type the following in Windows PowerShell:

```
Install-WindowsFeature Windows-Server-Backup -
IncludeManagementTools
```

Press **Enter**.

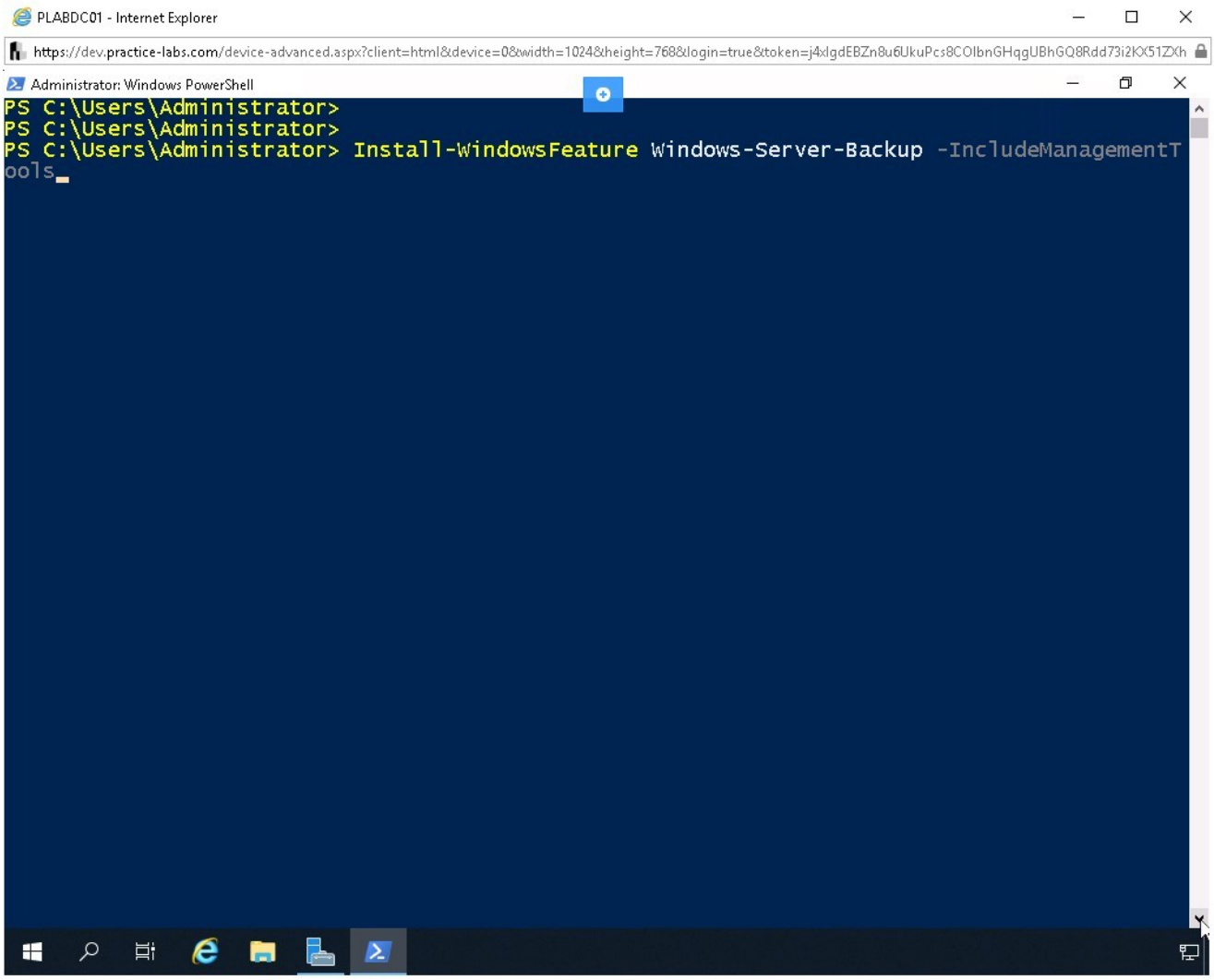


Figure 2.2 Screenshot of the PLABDC01 desktop: Administrator Windows PowerShell window is displayed showing the command to install Windows server backup feature typed-in.

Step 3

Please wait while **Windows Server Backup** installs.

Step 4

Close Windows PowerShell after the successful installation of the Windows Server Backup feature.

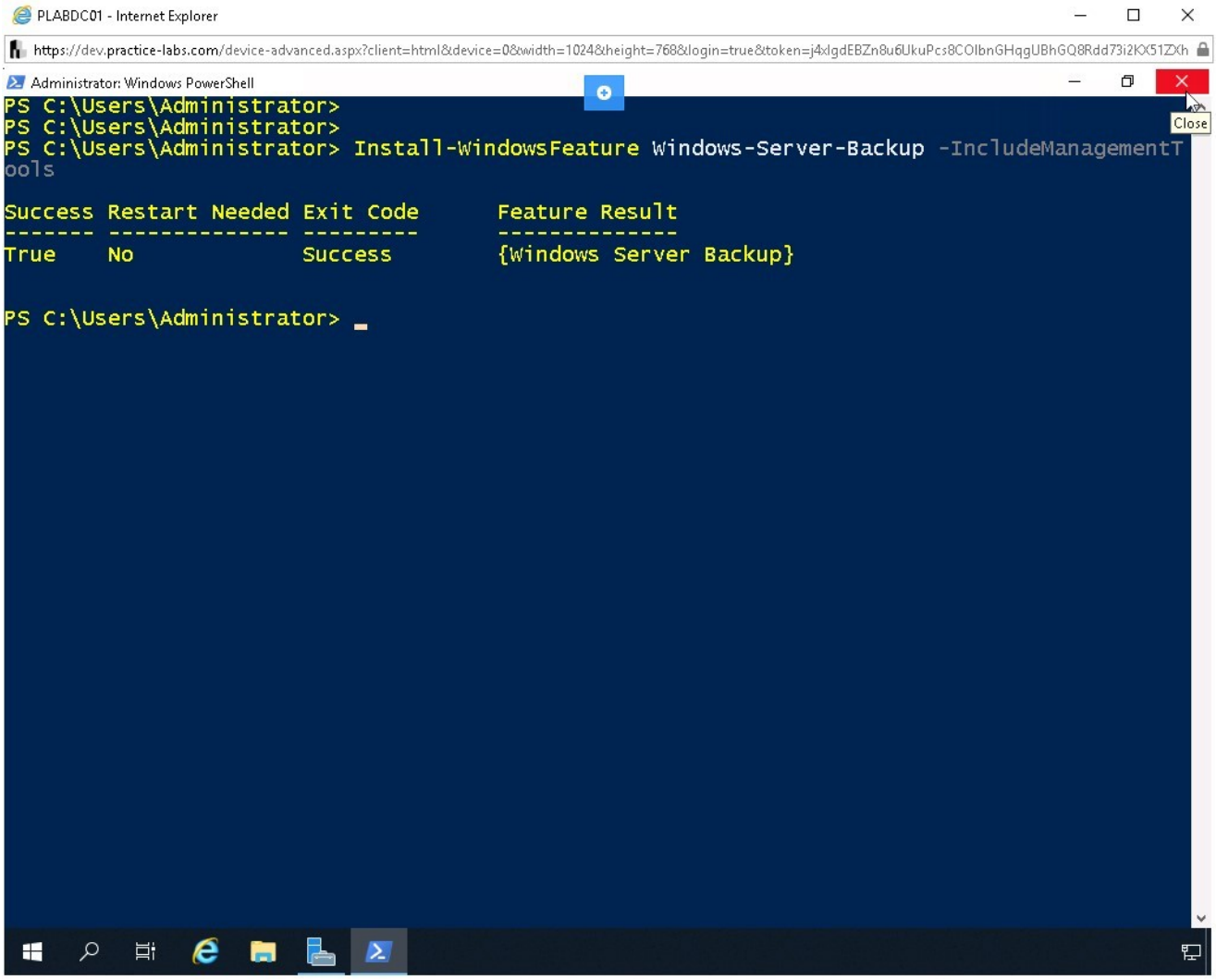


Figure 2.3 Screenshot of the PLABDC01 desktop: Administrator Windows PowerShell window is displayed confirming successful installation of Windows server backup and showing the Close icon at the top-right corner highlighted.

Task 2 - Allow File and Printer Sharing feature

This task will illustrate how Windows Server Backup uses a network share to store the backup data on a server called PLABDM01. Shared folders rely on the File and Printer Sharing feature to manage network shares. In this task, you will enable the File and Printer Sharing feature on PLABDM01.

Step 1

Connect to **PLABDM01**.

Click in the **Search** box and type:

```
windows firewall
```

Select **Allow an app through Windows Firewall**.

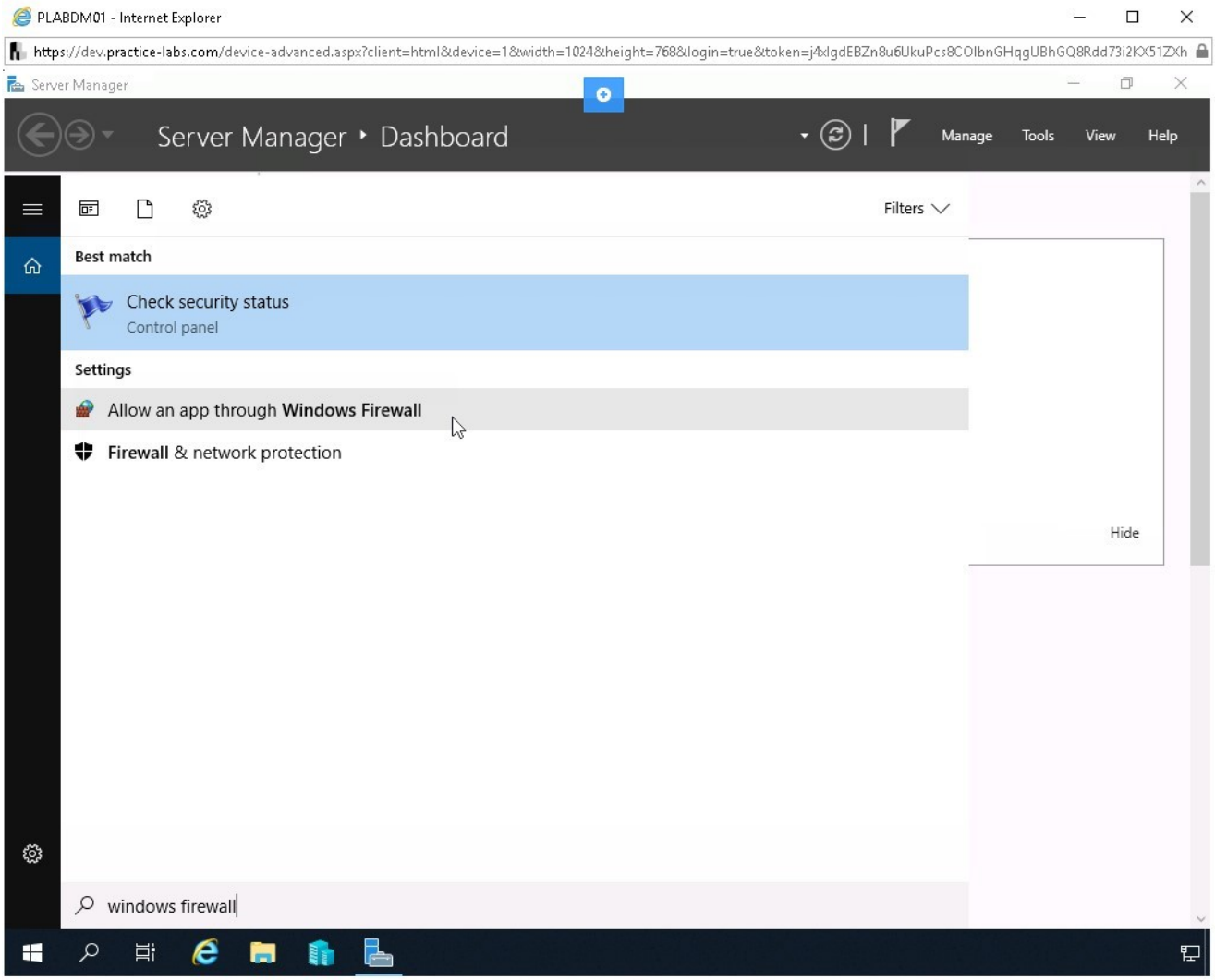


Figure 2.4 Screenshot of the PLABDM01 desktop: Required option is selected on the Best match popup menu.

Step 2

From the **Allowed apps** window, scroll down the list of **Allowed apps and features**.

Enable **File and Print Sharing**.

Domain profile will be enabled, select the **Private** and **Public** check boxes as well.

Click **OK**.

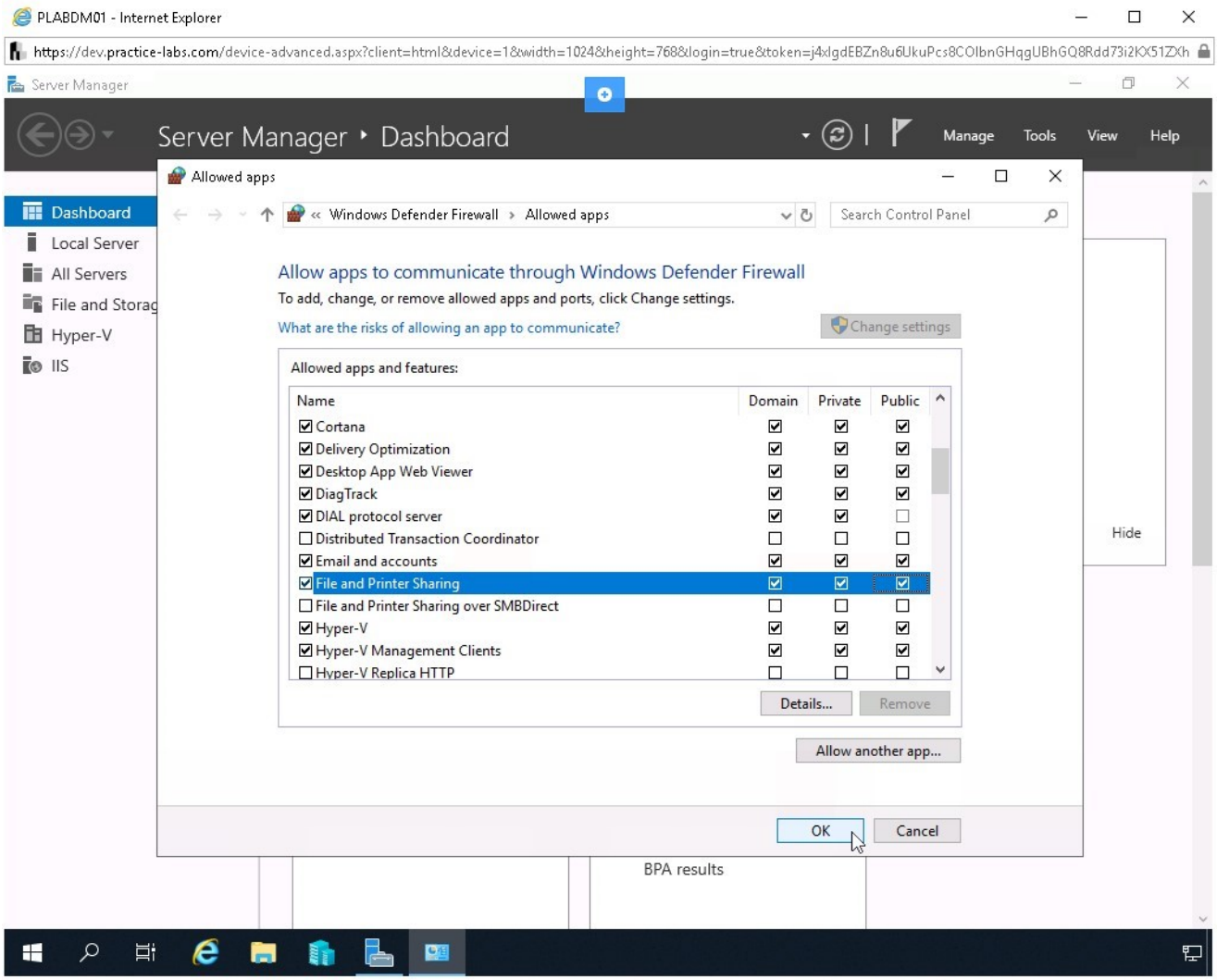


Figure 2.5 Screenshot of the PLABDM01 desktop: Allowed apps window is displayed showing the required settings performed and the OK button highlighted.

Task 3 - Schedule a backup

In this task, you will create a scheduled backup of the system state data using Windows Server Backup.

Step 1

Connect to **PLABDC01**.

From the **Server Manager > Dashboard** window, click **Tools** and select **Windows Server Backup**.

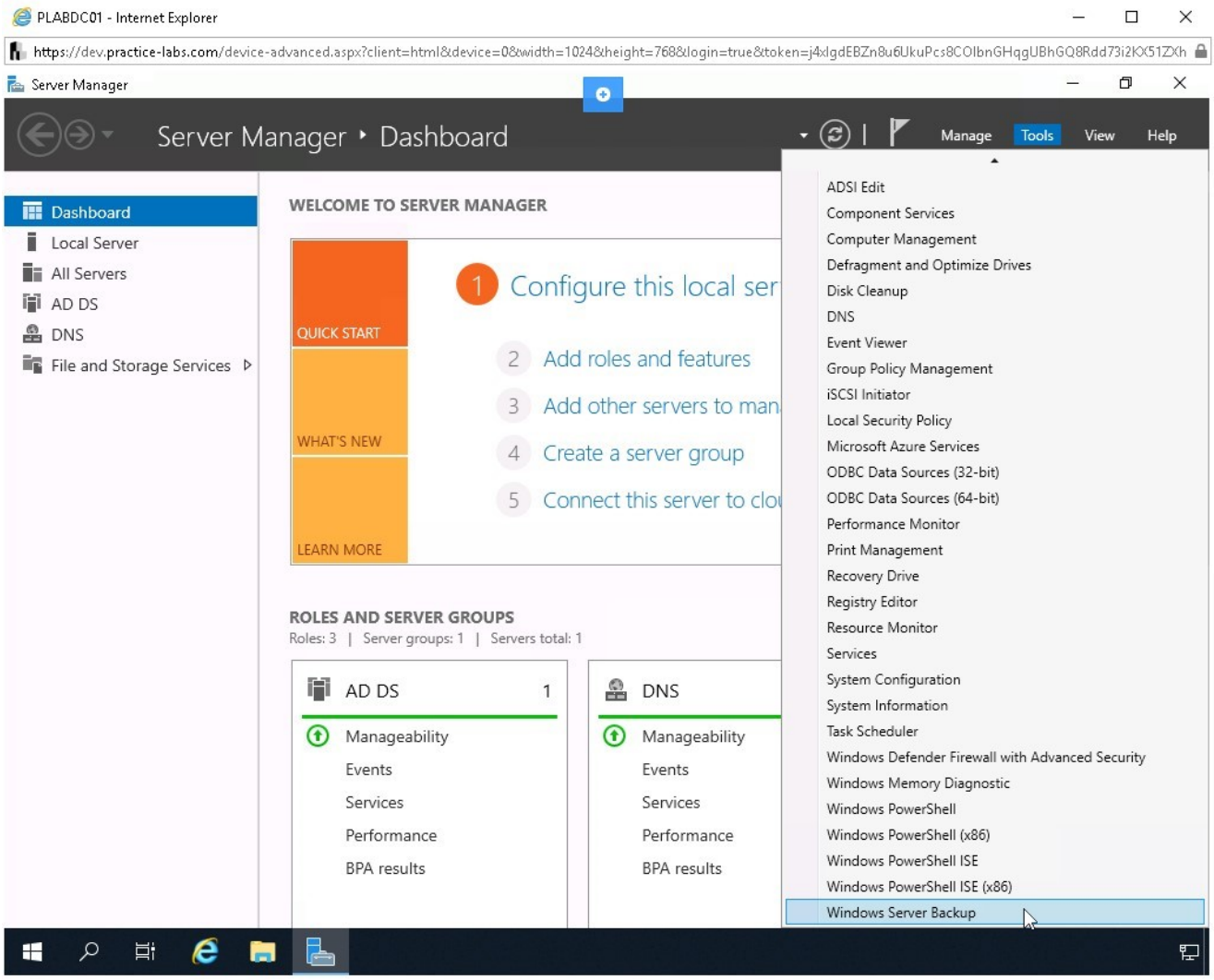


Figure 2.6 Screenshot of the PLABDC01 desktop: Tools > Windows Server Backup menu-options are highlighted on the Server Manager console.

Step 2

Under **Windows Server Backup** on the left pane, select **Local Backup**.

Right-click **Local Backup** and select **Backup Schedule**...

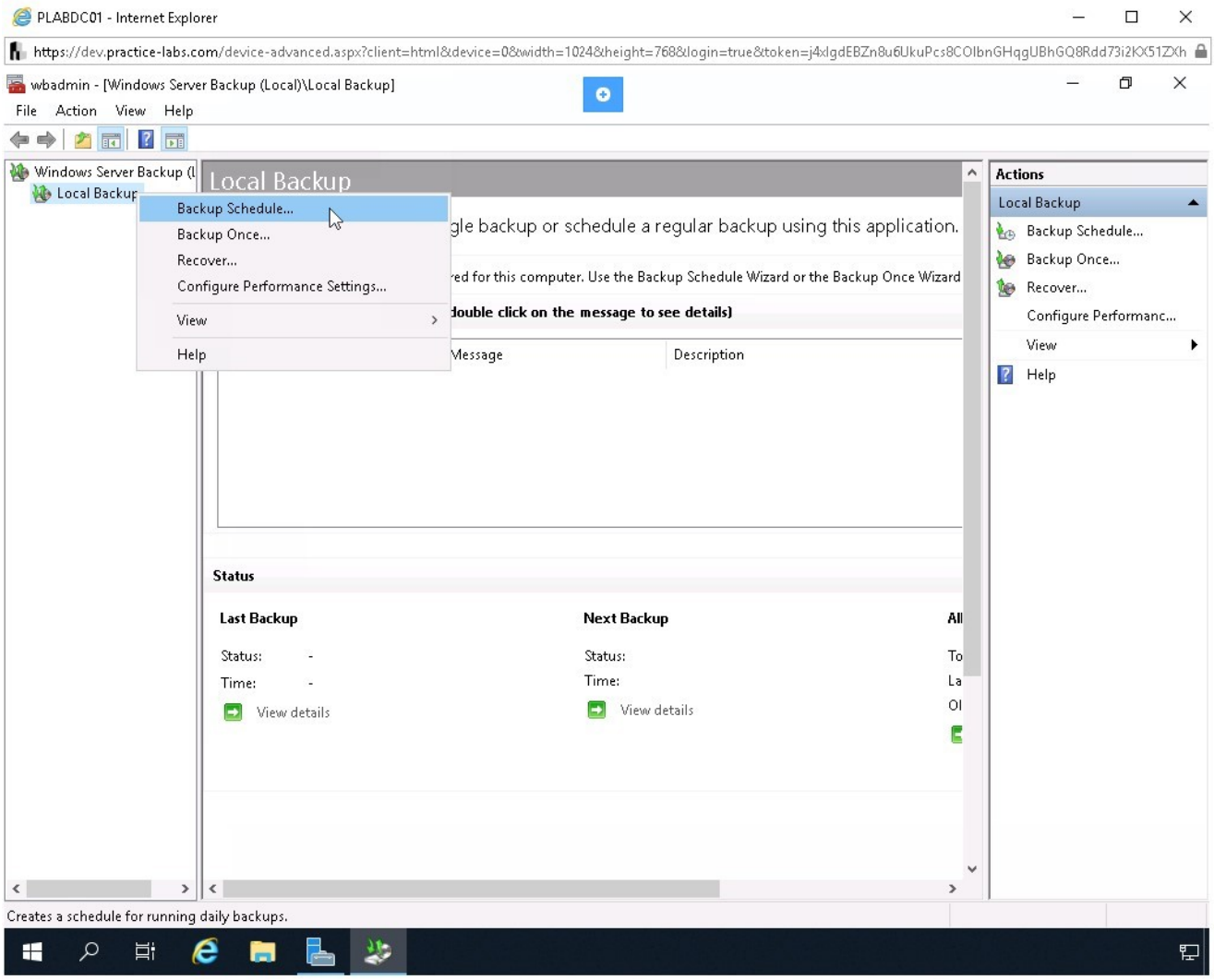


Figure 2.7 Screenshot of the PLABDC01 desktop: Context menu (that appears on right-clicking the Local Backup node) > Backup Schedule menu-options are highlighted on the Windows Server Backup console.

Step 3

On the **Backup Schedule Wizard - Getting Started** page, click **Next**.

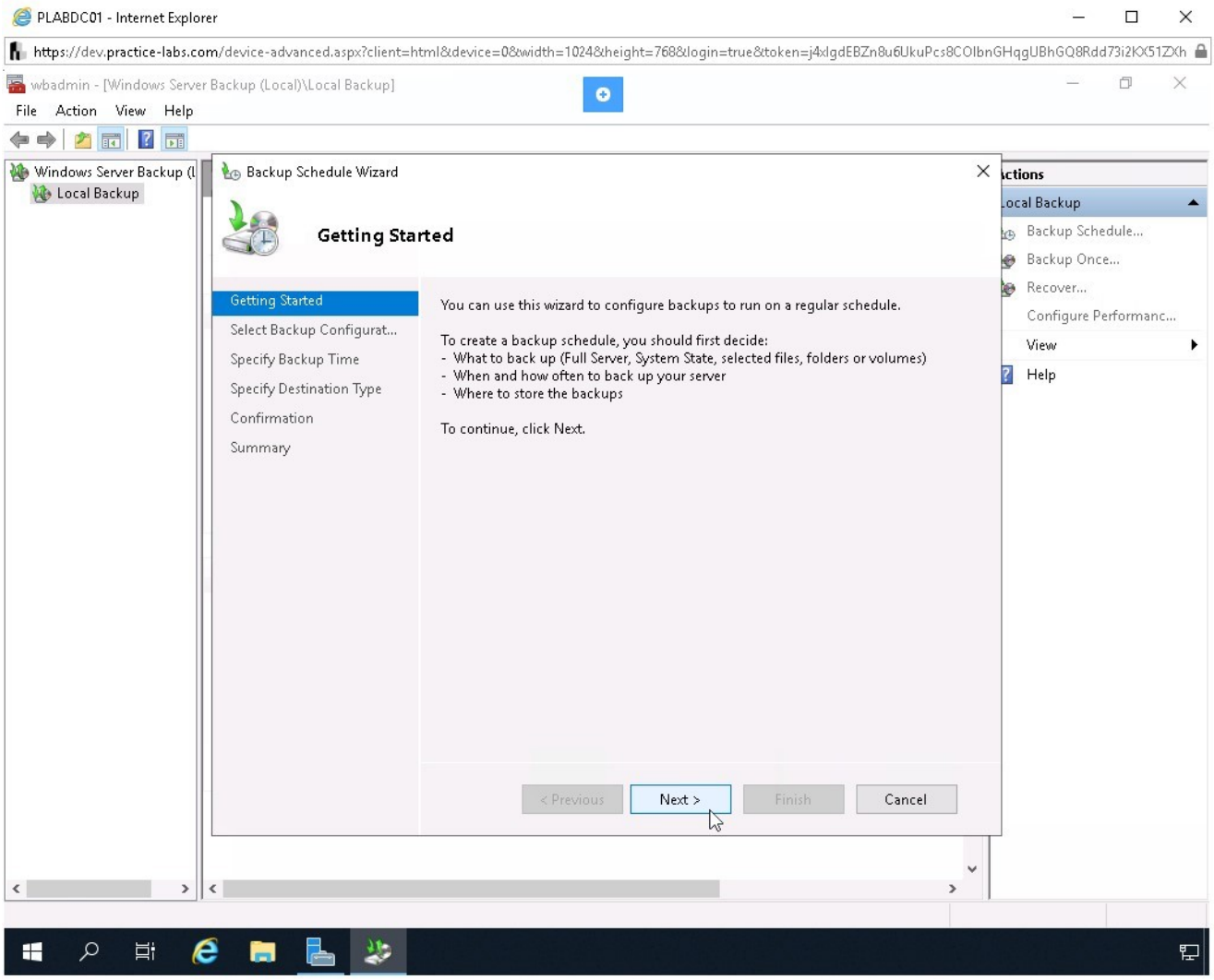


Figure 2.8 Screenshot of the PLABDC01 desktop: Getting Started page on the Backup Schedule Wizard is displayed showing the Next button highlighted.

Step 4

From **Select Backup Configuration**, select the **Custom** option and click **Next**.

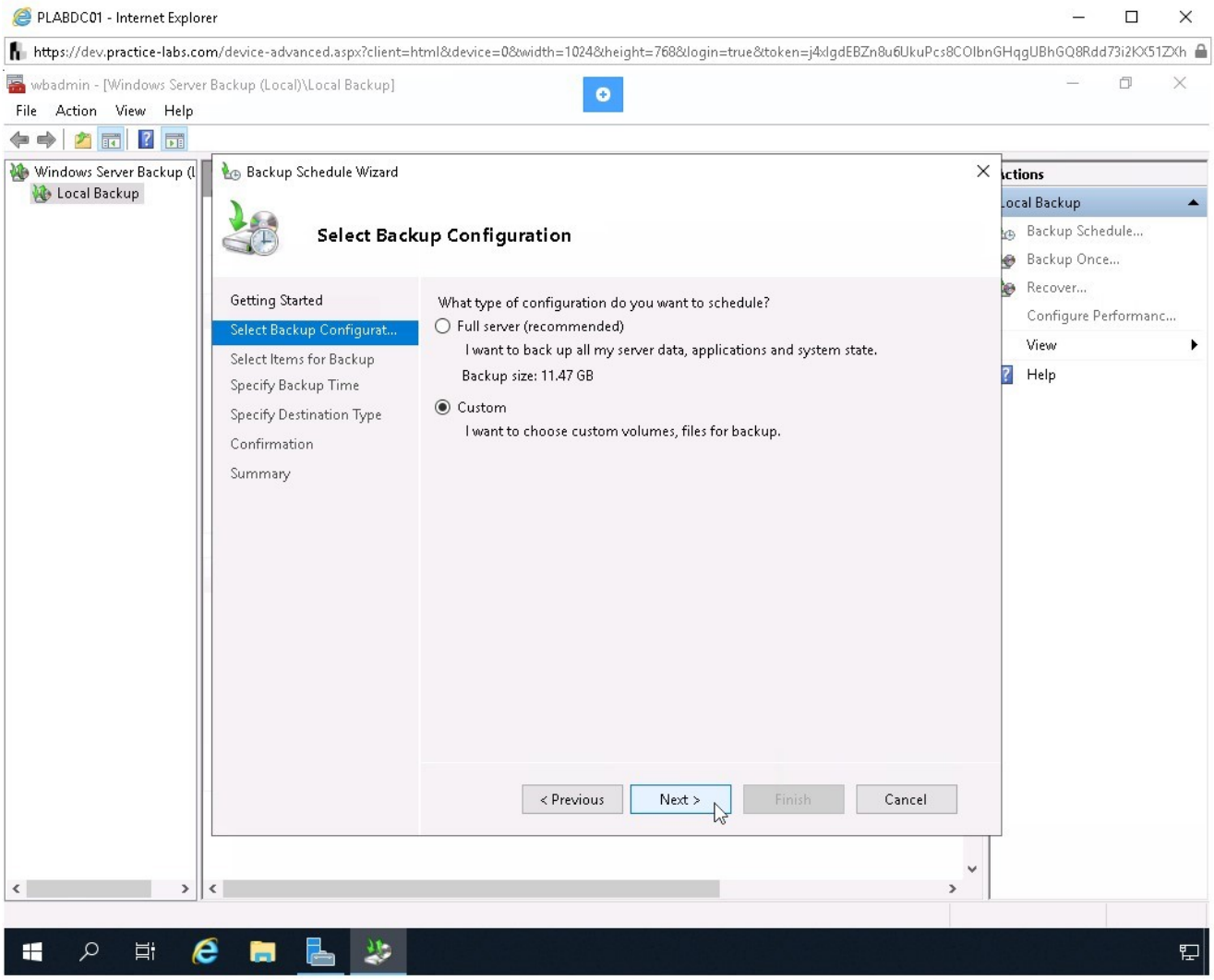


Figure 2.9 Screenshot of the PLABDC01 desktop: Select Backup Configuration page on the Backup Schedule Wizard is displayed showing required selection performed and the Next button highlighted.

Step 5

From **Select Items for Backup**, click **Add Items**.

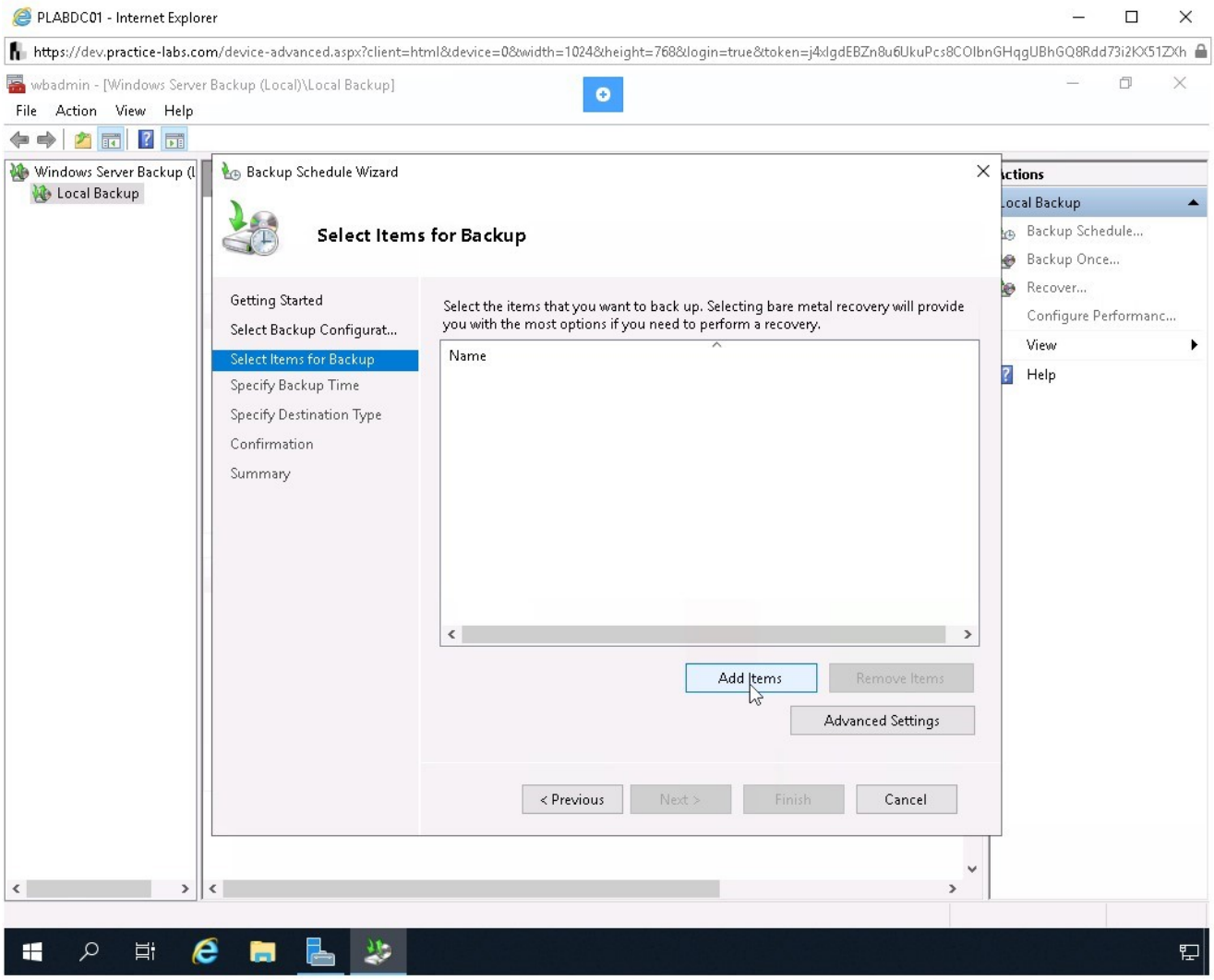


Figure 2.10 Screenshot of the PLABDC01 desktop: Select Items for Backup page on the Backup Schedule Wizard is displayed showing the Add Items button highlighted.

Step 6

From the **Select Items** page, select the **System state** checkbox and click **OK**.

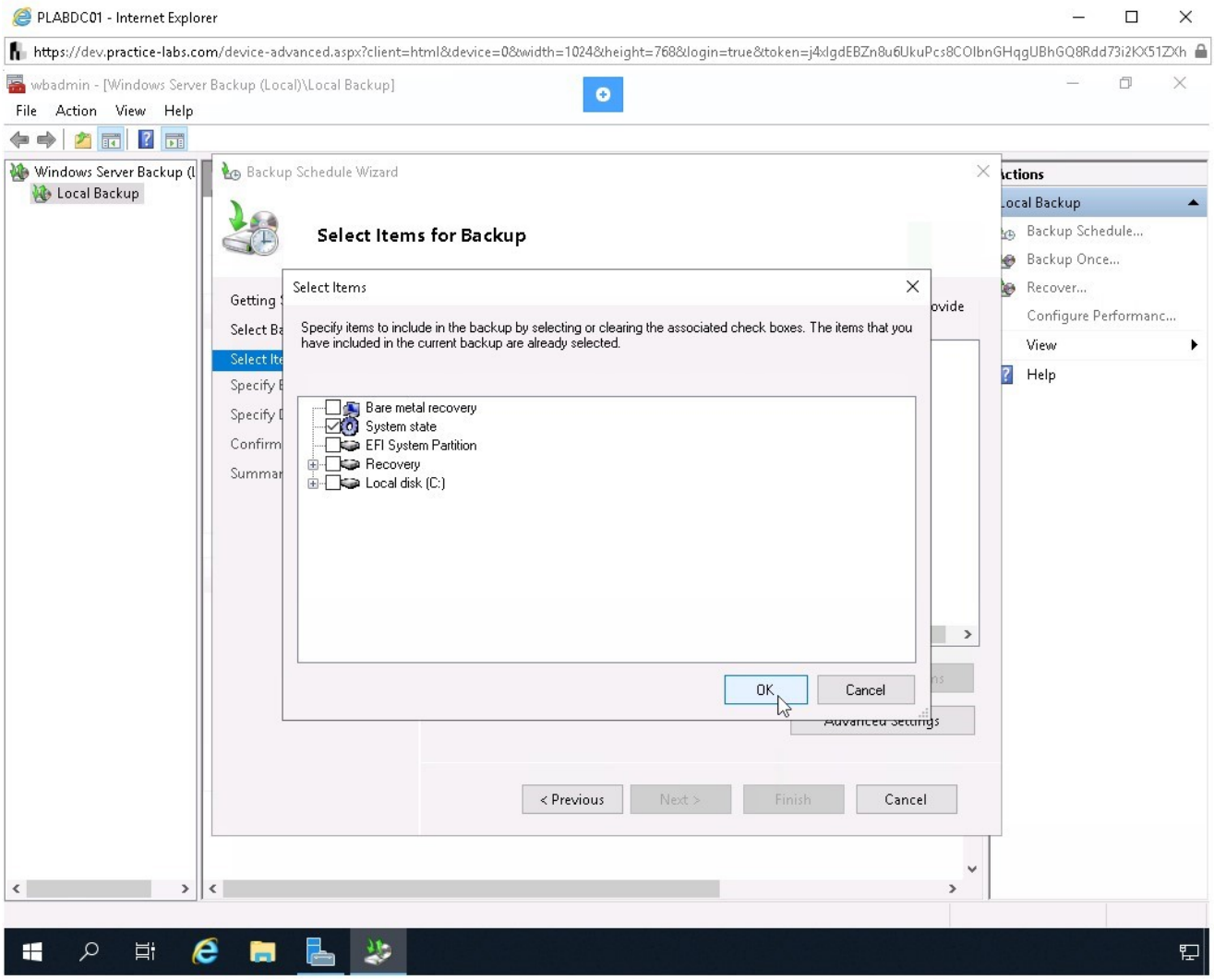


Figure 2.11 Screenshot of the PLABDC01 desktop: Select Items dialog box is displayed showing the required selection performed and the OK button highlighted.

Step 7

Back on the **Select Items for Backup** page, **System state** is now added.

Click **Next**.

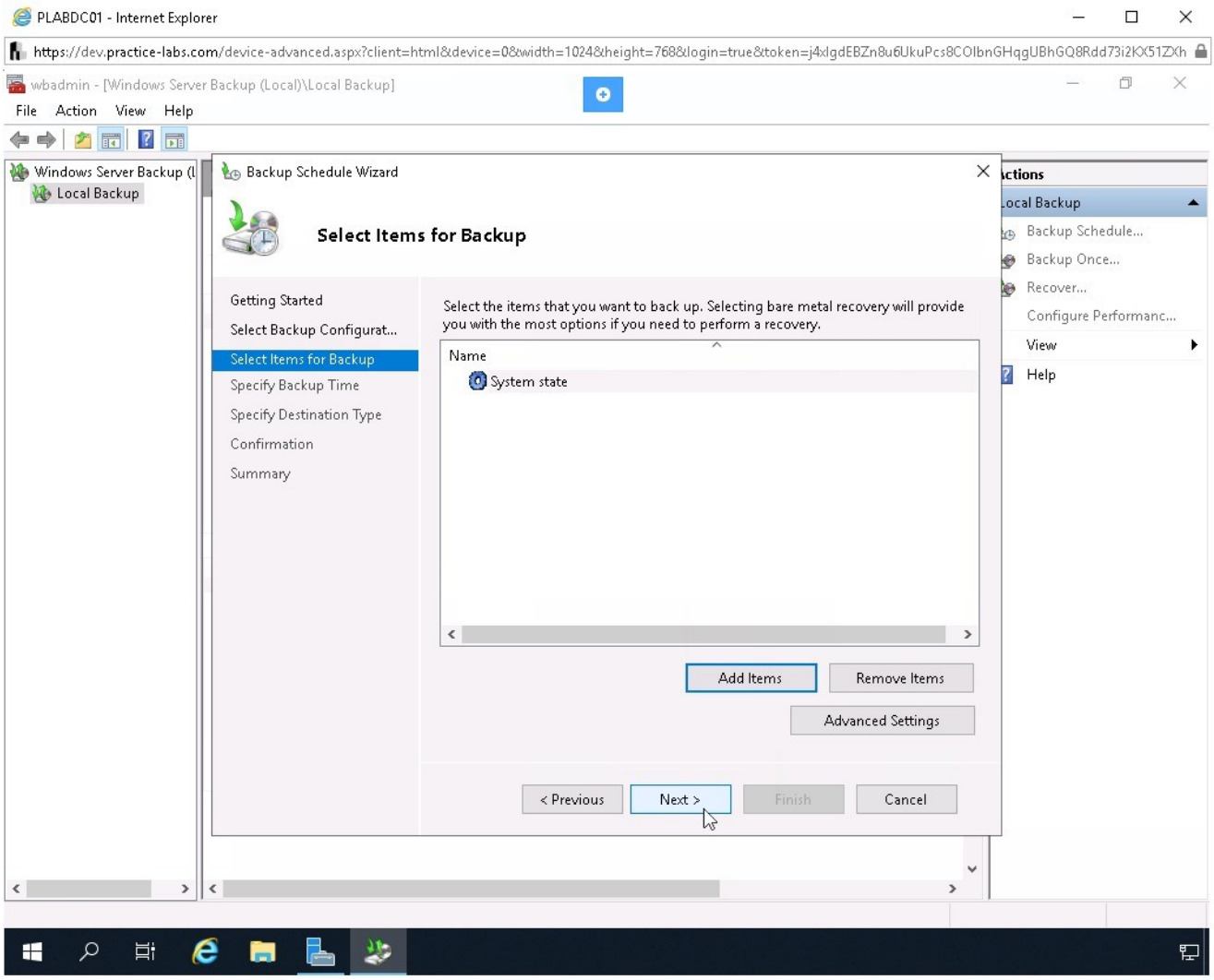


Figure 2.12 Screenshot of the PLABDC01 desktop: Select Items for Backup page on the Backup Schedule Wizard is displayed listing the items to backup and showing the Next button highlighted.

Step 8

On the **Specify Backup Time** page, ensure that the **Once a day** option is selected.

In the **Select time of day** drop-down list, select **12:00 AM**

Click **Next**.

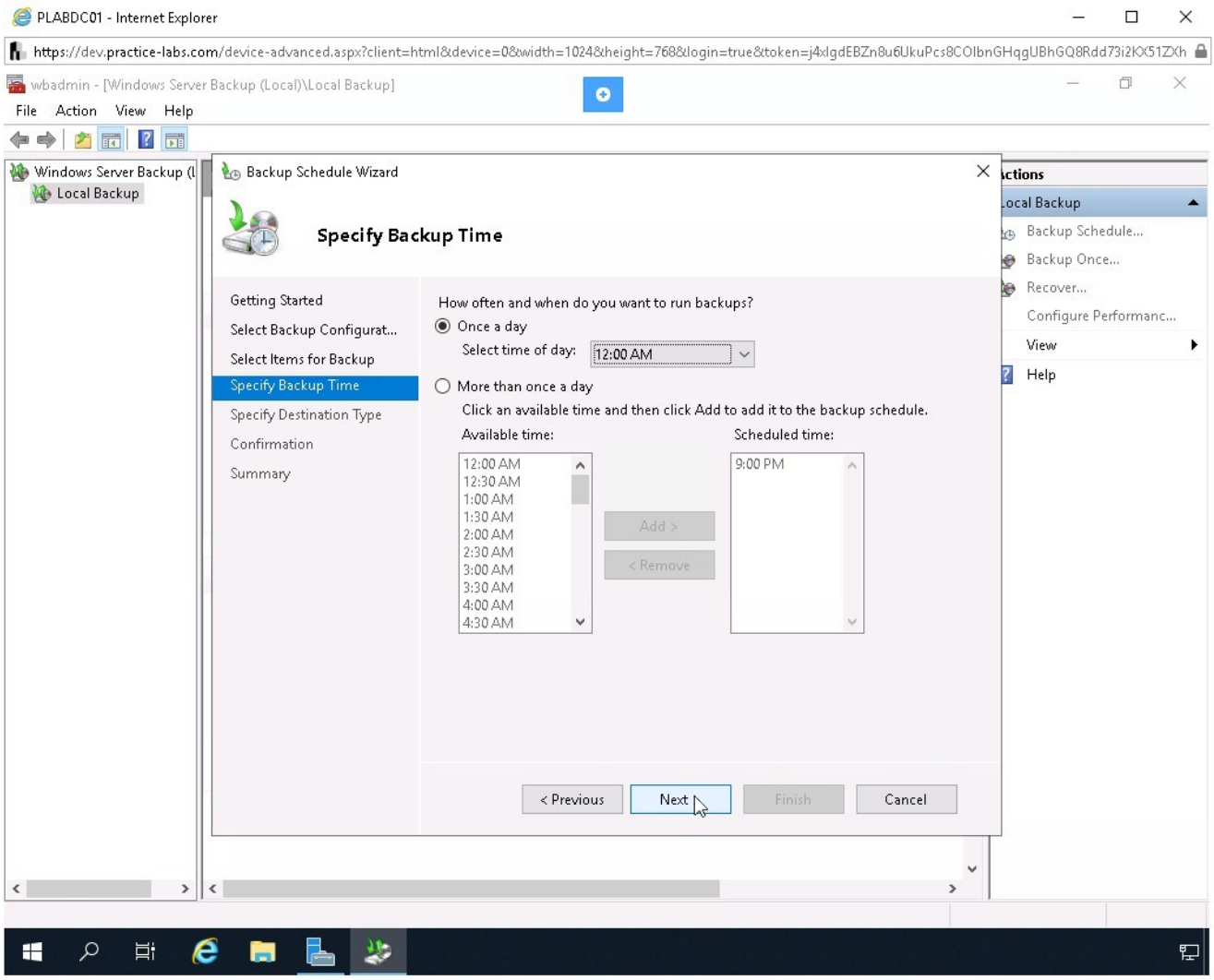


Figure 2.13 Screenshot of the PLABDC01 desktop: Specify Backup Time page on the Backup Schedule Wizard is displayed showing the required settings performed and the Next button highlighted.

Step 9

On the **Specify Destination Type** page, click **Back up to a shared network folder**.

Click **Next**.

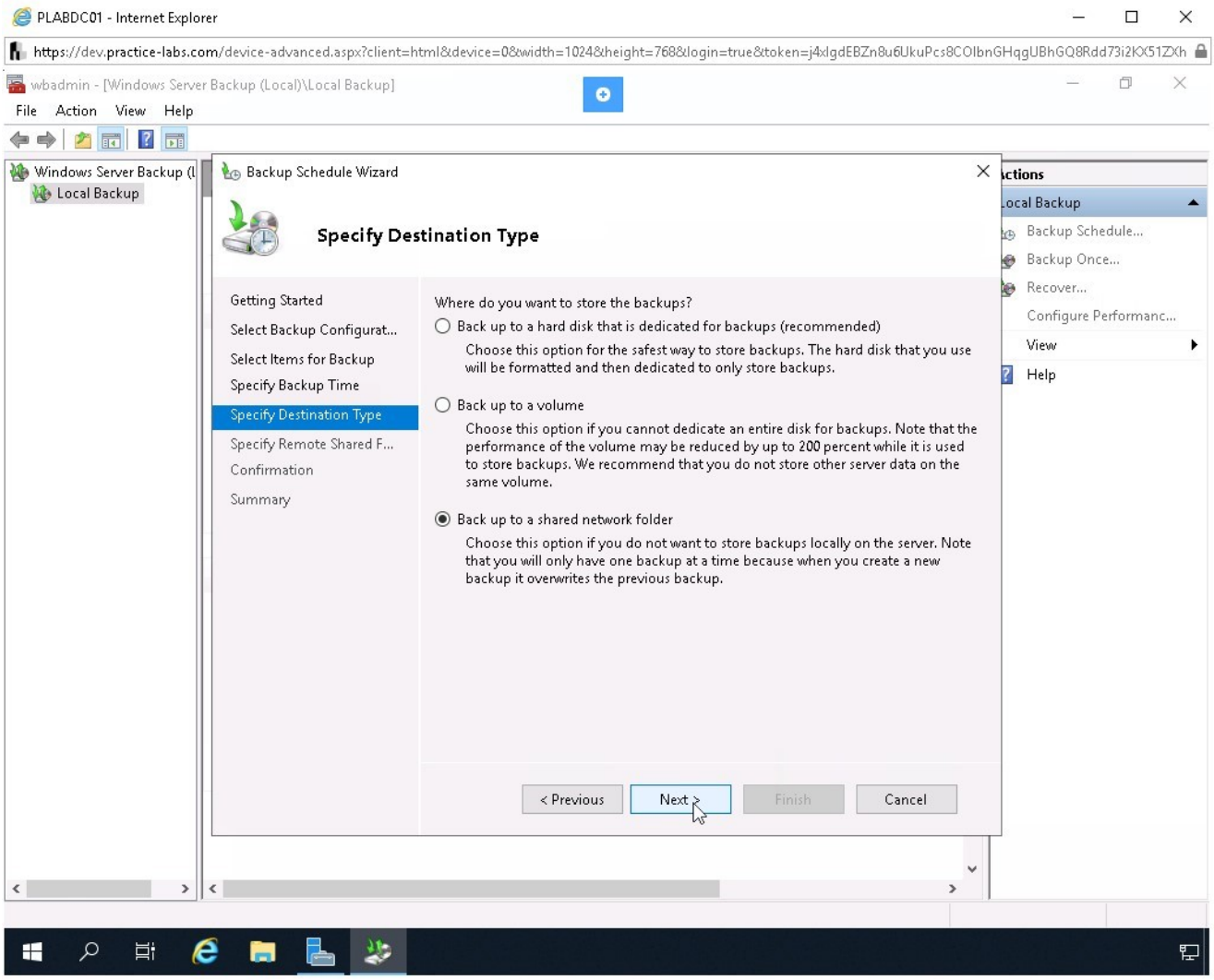


Figure 2.14 Screenshot of the PLABDC01 desktop: Specify Destination Type page on the Backup Schedule Wizard is displayed showing the required selection performed and the Next button highlighted.

Step 10

The **Windows Server Backup** message box notifies you that a new backup will erase the previous backup, click **OK.**

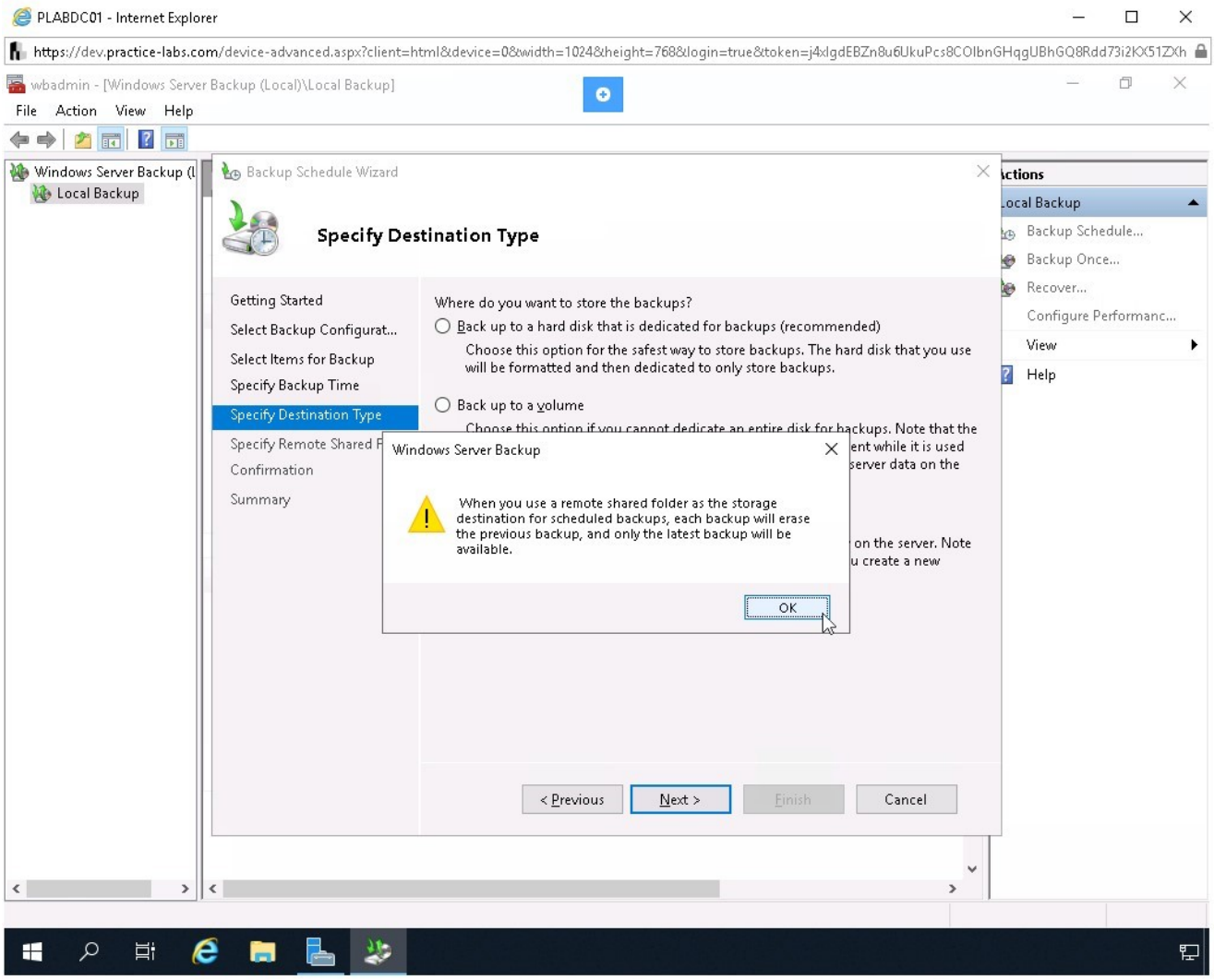


Figure 2.15 Screenshot of the PLABDC01 desktop: The Windows Server Backup message box is displayed cautioning that a new backup will erase the previous backup and showing the OK button highlighted.

Step 11

On the **Specify Remote Shared** folder page, type the following in the **Location** text box:

```
\\plabdm01\c$\
```

Click **Next**.

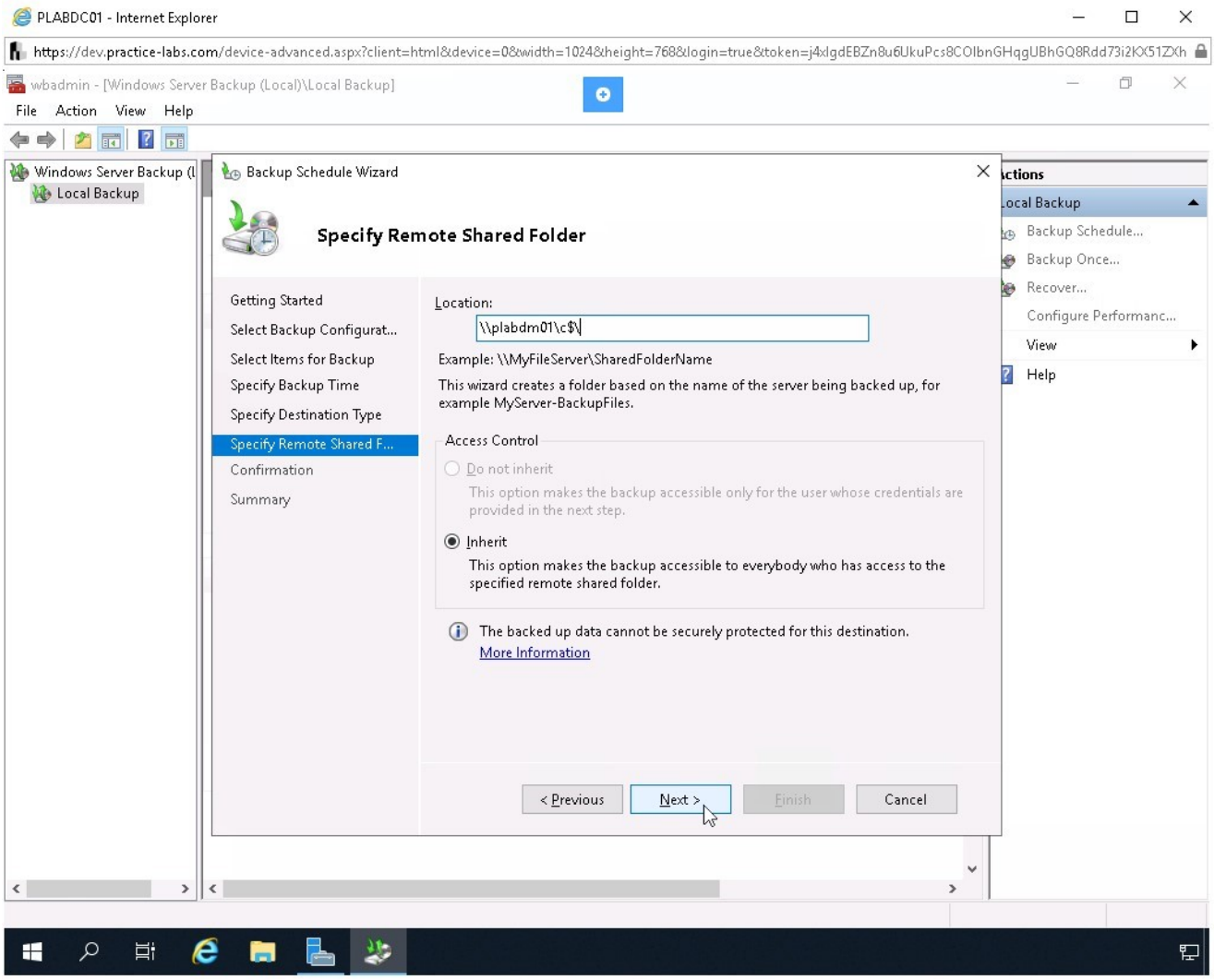


Figure 2.16 Screenshot of the PLABDC01 desktop: Specify Remote Shared Folder page on the Backup Schedule Wizard is displayed showing the required settings performed and the Next button highlighted.

Step 12

On the **Windows Security** dialog box, type the following account in the **User name** field:

```
practicelabs\administrator
```

In the **Password** field, type:

```
Passw0rd
```

Click **OK**.

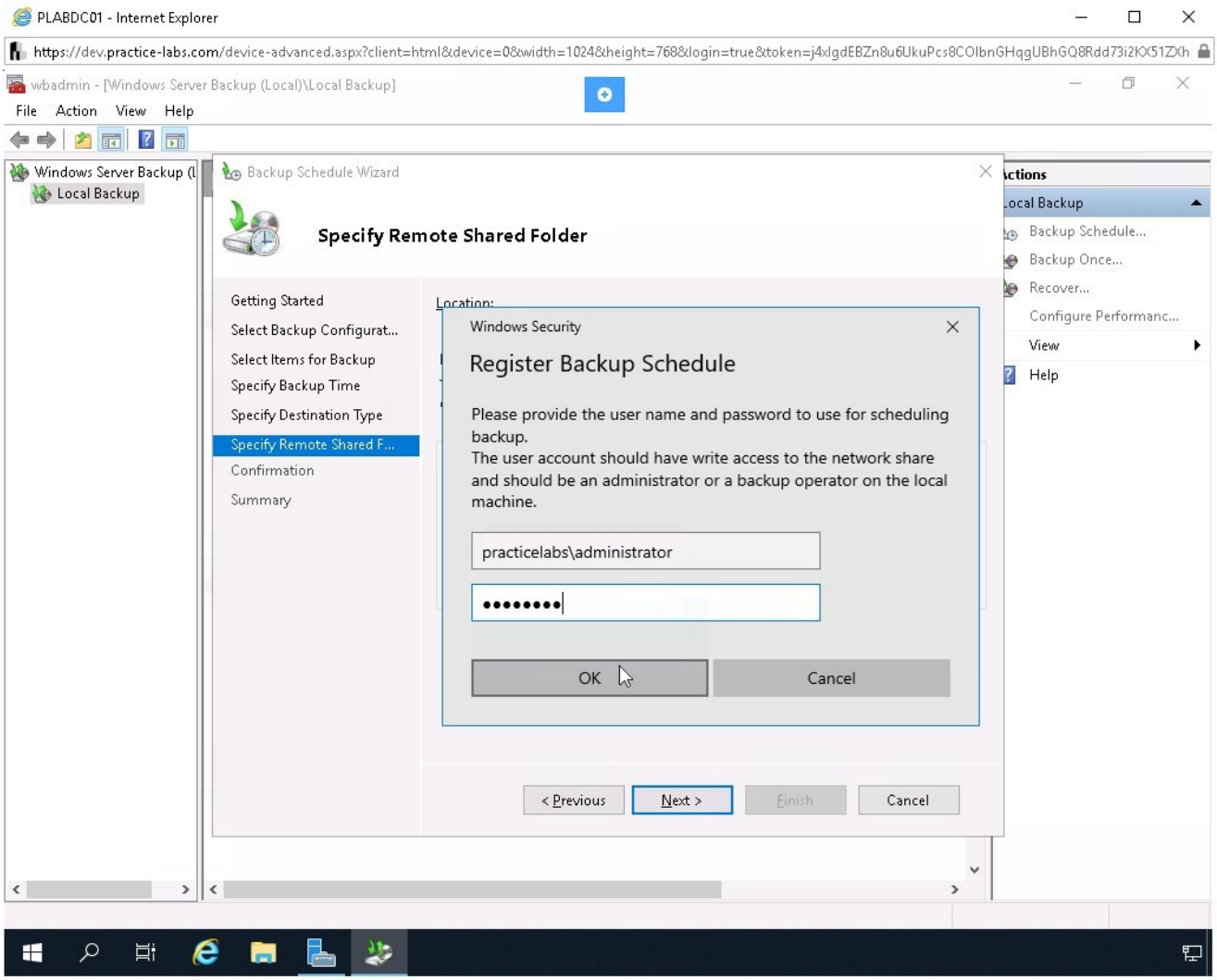


Figure 2.17 Screenshot of the PLABDC01 desktop: Windows Security - Register Backup Schedule dialog box is displayed showing the required authorization credentials typed-in and the OK button highlighted.

Step 13

On the **Confirmation** page, you have a summary of the backup schedule.

Click **Finish**.

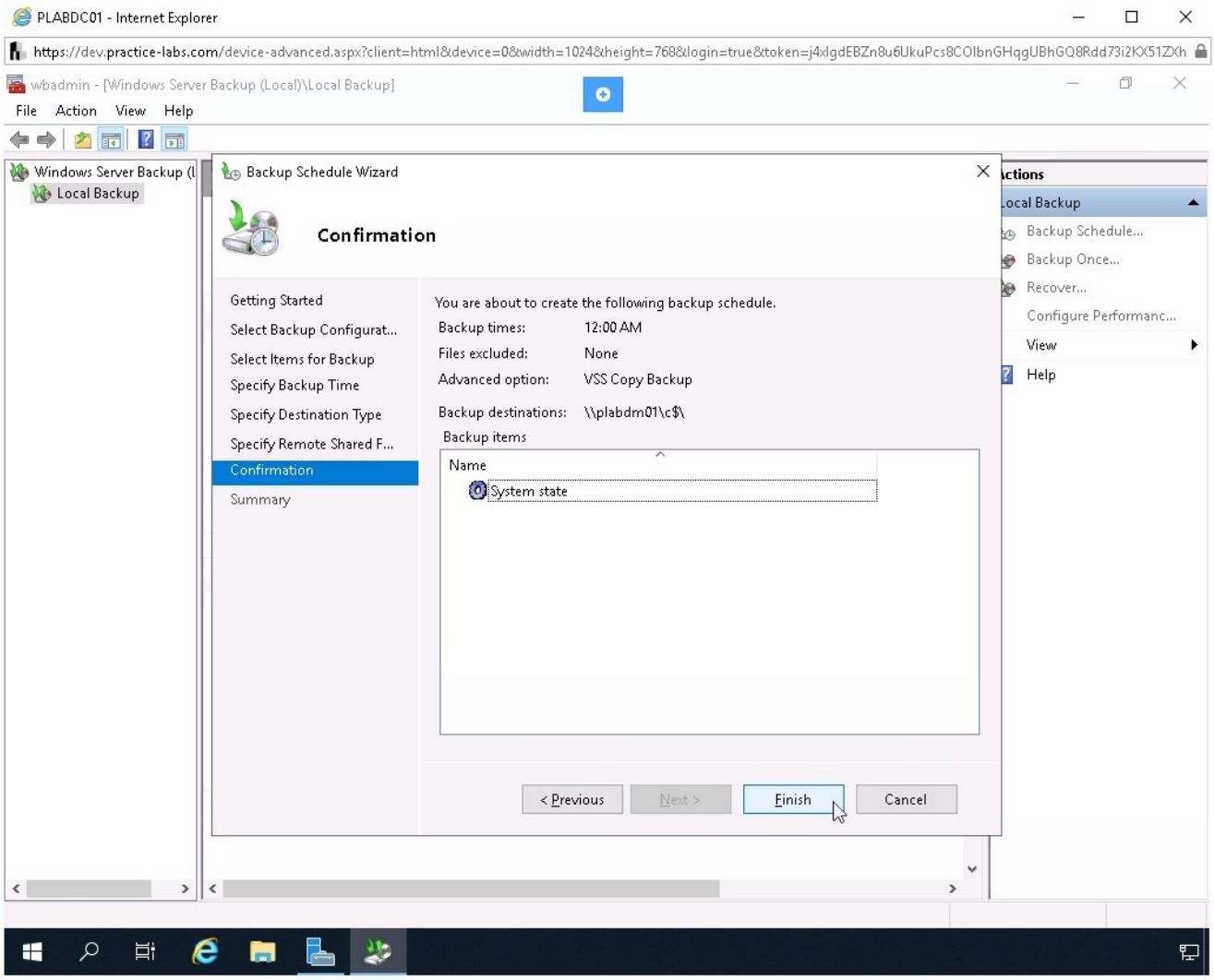


Figure 2.18 Screenshot of the PLABDC01 desktop: Confirmation page on the Backup Schedule Wizard is displayed listing specifications for the backup and showing the Finish button highlighted.

Step 14

Please wait while the backup schedule is being created.

Step 15

From the **Summary** page, you have the status stating the successful creation of this backup schedule.

Click **Close**.

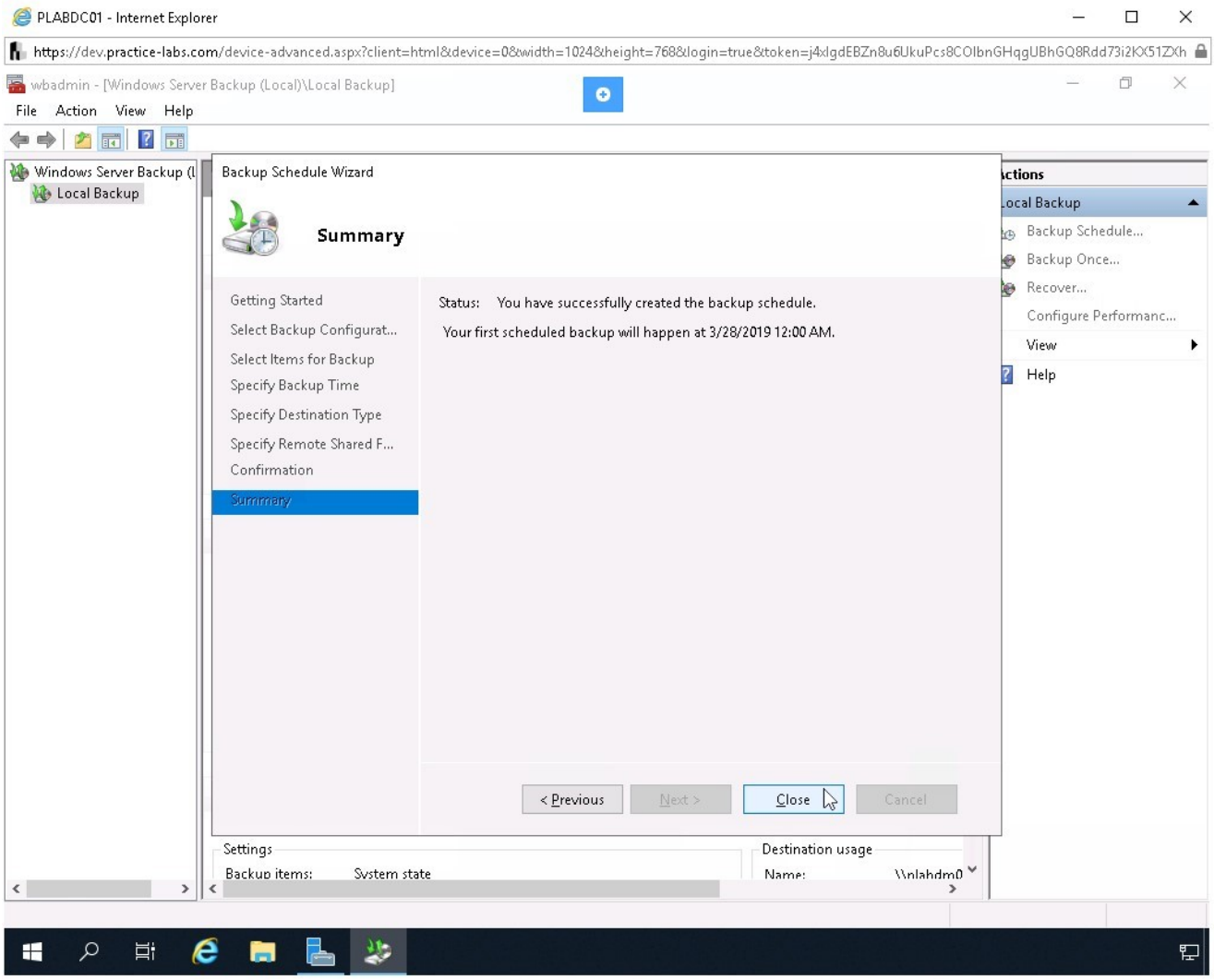


Figure 2.19 Screenshot of the PLABDC01 desktop: Summary page on the Backup Schedule Wizard is displayed confirming status of the backup and showing the Close button highlighted.

Step 16

The scheduled backup is now in the Windows Server backup status section.

Step 17

Close **Windows Server Backup**.

Shutdown all virtual machines used in this lab. Alternatively, you can log out of the lab platform.

Review

Well done, you have completed the **Manage Backup and Restore** Practice Lab.

Summary

You completed the following exercises:

- Exercise 1 - Create a System Image Backup
- Exercise 2 - Schedule a Server Backup

You should now be able to:

- Add an additional virtual hard disk
- Initialize and create a new simple volume
- Create a system image backup
- Change the virtual machine start-up settings
- Perform system image restore
- Install Windows Server Backup
- Allow File and Printer Sharing feature
- Schedule a backup

Feedback

Shutdown all virtual machines used in this lab. Alternatively, you can log out of the lab platform.