

# MCSA

## WINDOWS SERVER® 2016

### PRACTICE TESTS

**EXAM 70-740, EXAM 70-741, EXAM 70-742, AND EXAM 70-743**

Provides 1,000 practice questions that include 3 practice exams covering all sections of the MCSA Windows Server 2016 objective domains.

Complements the *MCSA Windows Server 2016 Complete Study Guide: Exam 70-740, Exam 70-741, Exam 70-742, and upgrade Exam 70-743.*

**CRYSTAL PANEK**  
**WILLIAM PANEK, MICROSOFT MVP**

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# **MCSA**

## **Windows Server® 2016**

### **Practice Tests:**

**Exams 70-740, 70-741, 70-742,  
and 70-743**



William Panek  
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*This book is dedicated to Alexandria and Paige. We couldn't ask for better kids.*

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—Will Panek

I would like to second Will's sentiments and thank all the same individuals. I would like to personally thank my husband and best friend, Will, because without him I would not be where I am today—thank you! I would also like to express my love to my two daughters, who have always shown nothing but love and support for everything we do.

—Crystal Panek



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For many years she trained as a contract instructor, teaching at such places as MicroC, Stellacon Corporation, and the University of New Hampshire. She then became the vice president for a large IT training company, and for 15 years she developed training materials and courseware to help thousands of students get through their certification exams. She currently works on a contract basis, creating courseware for several large IT training facilities.

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# Introduction

This book is drawn from more than 20 years of IT experience and Microsoft testing. We have taken that experience and translated it into a Windows Server 2016 book that will help you prepare for the MCSA: Windows Server 2016 exams.

Microsoft Windows Server 2016 is the newest version of Microsoft’s server operating system software. Microsoft has taken the best of Windows Server 2003, Windows Server 2008, and Windows Server 2012 and combined them into the latest creation, Windows Server 2016.

Windows Server 2016 eliminates many of the problems that plagued the previous versions of Windows Server, and it includes a much faster boot time and shutdown. It is also easier to install and configure, and it barely stops to ask the user any questions during installation. In this book, we will show you what features are installed during the automated installation and where you can make changes if you want to be more in charge of your operating system and its features.

## The Microsoft Certification Program

Since the inception of its certification program, Microsoft has certified more than two million people. As the computer network industry continues to increase in both size and complexity, this number is sure to grow—and the need for proven ability will also increase. Certifications can help companies verify the skills of prospective employees and contractors.

The Microsoft certification tracks for Windows Server 2016 include the following:

**MCSA: Windows Server 2016** The MCSA is now the lowest-level certification you can achieve with Microsoft in relation to Windows Server 2016. It requires passing three exams: 70-740, 70-741, and 70-742.

**MCSE: Cloud Platform and Infrastructure** The MCSE certifications, in relation to Windows Server 2016, require that you become an MCSA first and then pass two additional exams. The additional exams will vary depending on which of the two MCSE tracks you choose. For more information, visit Microsoft’s website at [www.microsoft.com/learning](http://www.microsoft.com/learning).

## How Do You Become Certified on Windows Server 2016?

Attaining Microsoft certification has always been a challenge. In the past, students have been able to acquire detailed exam information—even most of the exam questions—from online “brain dumps” and third-party “cram” books or software products. For the new generation of exams, this is simply not the case.

Microsoft has taken strong steps to protect the security and integrity of its new certification tracks. Now prospective candidates must complete a course of study that develops detailed knowledge about a wide range of topics. It supplies them with the true skills needed, derived from working with the technology being tested.

The new generations of Microsoft certification programs are heavily weighted toward hands-on skills and experience. Microsoft recommends that candidates have troubleshooting skills acquired through hands-on experience and working knowledge.

Fortunately, if you are willing to dedicate the time and effort to learn Windows Server 2016, you can prepare yourself well for the exam by using the proper tools. By working through this book, you can successfully meet the requirements to pass the Windows Server 2016 exams.

## MCSA Exam Requirements

Candidates for MCSA certification on Windows Server 2016 must pass at least the following three Windows Server 2016 exams:

- 70-740: Installation, Storage, and Compute with Windows Server 2016
- 70-741: Networking with Windows Server 2016
- 70-742: Identity with Windows Server 2016



Those who have a qualifying certification can take the Upgrading exam “Upgrading Your Skills to MCSA: Windows Server 2016” (Exam 70-743). The objectives for this exam span the three individual exams. This book covers all of the objectives for the Upgrading exam. For details about the exam, visit Microsoft’s website at [www.microsoft.com/learning](http://www.microsoft.com/learning).

Microsoft provides exam objectives to give you a general overview of possible areas of coverage on the Microsoft exams. Keep in mind, however, that exam objectives are subject to change at any time without prior notice and at Microsoft’s sole discretion. Visit the Microsoft Learning website ([www.microsoft.com/learning](http://www.microsoft.com/learning)) for the most current listing of exam objectives. The published objectives and how they map to this book are listed later in this introduction.



For a more detailed description of the Microsoft certification programs, including a list of all the exams, visit the Microsoft Learning website at: [www.microsoft.com/learning](http://www.microsoft.com/learning).

## Tips for Taking the Windows Server 2016 Exams

Here are some general tips for achieving success on your certification exam:

- Arrive early at the exam center so that you can relax and review your study materials. During this final review, you can look over tables and lists of exam-related information.
- Read the questions carefully. Do not be tempted to jump to an early conclusion. Make sure you know *exactly* what the question is asking.
- Answer all questions. If you are unsure about a question, mark it for review and come back to it at a later time.
- On simulations, do not change settings that are not directly related to the question. Also, assume the default settings if the question does not specify or imply which settings are used.
- For questions about which you're unsure, use a process of elimination to get rid of the obviously incorrect answers first. This improves your odds of selecting the correct answer when you need to make an educated guess.

### Exam Registration

As of December 31, 2014, Microsoft ended its relationship with Prometric, its old testing centers, and all exams are now delivered through the more than 1,000 Authorized VUE Testing Centers around the world. For the location of a testing center near you, go to VUE's website at [www.vue.com](http://www.vue.com). If you are outside of the United States and Canada, contact your local VUE registration center.

Find out the number of the exam that you want to take and then register with the VUE registration center nearest to you. At this point, you will be asked for advance payment for the exam. The exams are \$165 each, and you must take them within one year of payment. You can schedule exams up to six weeks in advance or as late as one working day prior to the date of the exam. You can cancel or reschedule your exam if you contact the center at least two working days prior to the exam. Same-day registration is available in some locations, subject to space availability. Where same-day registration is available, you must register a minimum of two hours before test time.

When you schedule the exam, you will be provided with instructions regarding appointment and cancellation procedures, ID requirements, and information about the testing center location. In addition, you will receive a registration and payment confirmation letter.

Microsoft requires certification candidates to accept the terms of a nondisclosure agreement before taking certification exams.

## Who Should Read This Book?

This book is intended for individuals who want to earn their MCSA: Windows Server 2016 certification.

This book will not only help anyone who is looking to pass the Microsoft exams, it will also help anyone who wants to learn the real ins and outs of the Windows Server 2016 operating system.

## What's Inside?

Here is a glance at what's in each chapter:

**Chapter 1: Installing Windows Servers in Host and Compute Environments** In the first chapter, we cover questions on how to install, upgrade, and migrate servers and workloads, install and configure Nano Server, and create, manage, and maintain images for deployment.

**Chapter 2: Implement Storage Solutions** This chapter asks questions on how to implement server storage and implement data deduplication.

**Chapter 3: Implement Hyper-V** We take you through questions on how to install and configure Hyper-V, configure virtual machine (VM) settings, configure Hyper-V storage, and configure Hyper-V networking.

**Chapter 4: Implement Windows Containers** This chapter asks questions on how to deploy and manage Windows Containers.

**Chapter 5: Implement High Availability** This chapter takes you through questions on how to implement high availability and disaster recovery options in Hyper-V, implement and manage failover clustering, implement Storage Spaces Direct, and manage Virtual Machine movement in clustered nodes.

**Chapter 6: Implement Domain Name System (DNS)** In this chapter, you will see different questions that cover how to install and configure DNS servers and implement and maintain IP Address Management (IPAM).

**Chapter 7: Implement Network Connectivity and Remote Access Solutions** In this chapter we cover questions on how to implement virtual private network (VPN) and DirectAccess solutions.

**Chapter 8: Implement an Advanced Network Infrastructure** This chapter includes questions on how to implement high-performance network solutions and determine scenarios and requirements for implementing Software Defined Networking (SDN).

**Chapter 9: Install and Configure Active Directory Domain Services (AD DS)** This chapter shows you questions on how to install and configure domain controllers.

**Chapter 10: Implement Identity Federation and Access Solutions** In this chapter we cover questions on how to install and configure Active Directory Federation Services (AD FS), implement Web Application Proxy (WAP), and install and configure Active Directory Rights.

# What's Included with the Book

This book includes many helpful items intended to prepare you for the MCSA: Windows Server 2016 certification.

**Objectives** These questions are mapped directly with the exam objectives. This will help you prepare for the different exam questions.

**Sybex Test Engine** Readers can access the Sybex Test Engine, which includes the assessment test and chapter review questions in electronic format. In addition, there are a total of three practice exams included with the Sybex test engine: one each for Exams 70-740, 70-741, and 70-742.

# How to Contact Sybex or the Authors

Sybex strives to keep you supplied with the latest tools and information you need for your work. Please check the website at [www.sybex.com/go/mcsawin2016](http://www.sybex.com/go/mcsawin2016), where we'll post additional content and updates that supplement this book, should the need arise.

You can contact Will by going to his website at [www.willpanek.com](http://www.willpanek.com). You can also watch free videos on Microsoft networking at [www.youtube.com/c/williampanek](http://www.youtube.com/c/williampanek). If you would like to follow information about Windows Server 2016 from Will Panek, please visit Twitter @AuthorWillPanek.

Good luck on the exam. We're hoping this book helps you pass.



# Chapter 1

# Installing Windows Servers in Host and Compute Environments

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## THE FOLLOWING MCSA WINDOWS SERVER 2016 EXAM TOPICS ARE COVERED IN THIS CHAPTER:

- ✓ 1.1 **Install, upgrade, and migrate servers and workloads**
  - This objective may include but is not limited to: Determine Windows Server 2016 installation requirements; determine appropriate Windows Server 2016 editions per workloads; install Windows Server 2016; install Windows Server 2016 features and roles; install and configure Windows Server Core; manage Windows Server Core installations using Windows PowerShell, command line, and remote management capabilities; implement Windows PowerShell Desired State Configuration (DSC) to install and maintain integrity of installed environments; perform upgrades and migrations of servers and core workloads from Windows Server 2008 and Windows Server 2012 to Windows Server 2016; determine the appropriate activation model for server installation, such as Automatic Virtual Machine Activation (AVMA), Key Management Service (KMS), and Active Directory-Based Activation
  
- ✓ 1.2 **Install and configure Nano Server**
  - This objective may include but is not limited to: Determine appropriate usage scenarios and requirements for Nano Server; install Nano Server; implement Roles and Features on Nano Server; use Nano Server Image Builder; manage and configure Nano Server; manage Nano Server remotely using MMC, Windows PowerShell, and Server Management Tools





### ✓ 1.3 Create, manage, and maintain images for deployment

- This objective may include but is not limited to: Plan for Windows Server virtualization; assess virtualization workloads using the Microsoft Assessment and Planning (MAP) Toolkit; determine considerations for deploying workloads into virtualized environments; update images with patches, hotfixes, last cumulative updates, and drivers; install roles and features in offline images; manage and maintain Windows Server Core, Nano Server images, and VHDs using Windows PowerShell

1. You are the administrator for your company network and you are looking to install Windows Server 2016. You need to decide which version would best fit your environment. You maintain a small office that has only 10 users and about 20 devices. Which version of Windows Server would fit your needs?
  - A. Windows Server 2016 Datacenter
  - B. Windows Server 2016 Essentials
  - C. Windows Server 2016 Standard
  - D. Windows Server 2016 Web Server Core
2. You are the administrator for your company network and you need to figure out what installation type of Windows Server 2016 you want to use. You are looking for a server type that is designed for private clouds and datacenters that will allow you to remotely administer the server operating system. What version should you install?
  - A. Windows Server 2016 (Desktop Experience)
  - B. Windows Server 2016 Server Core
  - C. Windows Server 2016 Nano Server
  - D. Windows Server 2016 Web Server Core
3. You are the administrator for your company network. You have a Windows Server 2016 server named Server1. You want to configure Server1 as a multitenant RAS Gateway. What should you install on Server1?
  - A. Network Policy and Access Services server role
  - B. Remote Access server role
  - C. Data Center Bridging feature
  - D. Network Controller server role
4. You are the administrator for your company network. You have a Windows Server 2016 server named Server1. This server hosts a line-of-business application named App1. App1 has a memory leak that occasionally causes it to consume an excessive amount of memory. You want to log the event in the Application event log whenever this application consumes more than 4 GB of memory. What should you do?
  - A. Create a system configuration information data collector.
  - B. Create a performance counter data collector.
  - C. Create a performance counter alert data collector.
  - D. Create an event trace data collector.
5. You are the administrator for your company network. You have just finished installing Windows Server 2016 on a new server. Your colleague has informed you that it is essential that you activate Windows Server. Which of the following command-line tools can be used to activate Windows Server?
  - A. Netdom C:\windows\system32\slmgr.vbs -ato
  - B. Netsh C:\windows\system32\slmgr.vbs -ato
  - C. Ocsetup C:\windows\system32\slmgr.vbs -ato
  - D. Cscript C:\windows\system32\slmgr.vbs -ato

6. You are the administrator for your company network. You and a colleague are discussing Nano Server. You know that with Nano Server some packages are installed directly with their own Windows PowerShell switches (such as `-Compute`) whereas others are installed by passing package names to the `-Packages` parameter that can combine them in a comma-separated list. If you want to add IIS to your Nano Server, what command should you use?
- A. `-Compute`
  - B. `-Packages`
  - C. `-Containers`
  - D. `-Storage`
7. You are the administrator for your company network. You have decided to install Windows Server 2016 by choosing the Server Core Installation option. What tools would you use if you want to install, configure, or uninstall server roles remotely?
- A. Windows PowerShell
  - B. Server Manager
  - C. Remote Server Administration Tools (RSAT)
  - D. All of the above
8. You are the administrator for your company network. Your network contains an Active Directory domain called `abc.com`. You want to create a Nano Server image named `Nano1` that will be used as a virtualization host. The Windows Server 2016 source files are located in drive D. What Windows PowerShell cmdlet should you run?
- A. `New-NanoServerImage -Edition Datacenter -DeploymentType Host -Defender -EnableEMS -MediaPath 'D:\' -TargetPath C:\Nano1\Nano1.wim -ComputerName Nano1 -DomainName abc.com`
  - B. `New-NanoServerImage -Edition Datacenter -DeploymentType Host -Package Microsoft-NanoServer-SCVMM-Package -MediaPath 'D:\' -TargetPath C:\Nano1\Nano1.wim -ComputerName Nano1 -DomainName abc.com`
  - C. `New-NanoServerImage -Edition Datacenter -DeploymentType Host -Package Microsoft-ServerCore-Compute-Package -MediaPath 'D:\' -TargetPath C:\Nano1\Nano1.wim -ComputerName Nano1 -DomainName ABC`
  - D. `New-NanoServerImage -Edition Datacenter -DeploymentType Host -Compute -MediaPath 'D:\' -TargetPath C:\Nano1\Nano1.wim -ComputerName Nano1 -DomainName abc.com`
9. You are the administrator for your company network. You have a physical Nano Server machine that runs Windows Server 2016. You have not installed any packages on this machine. You decide to attach a new disk and then initialize the disk as a GUID Partition Table (GPT) disk. What should you do first if you need to create a ReFS-formatted volume on the new disk?
- A. From the physical server, log on to the Nano Server Recovery Console.
  - B. Install the `Microsoft-NanoServer-Host-Package` package.
  - C. Run the `Format-Volume` cmdlet and specify the `-FileSystem` switch.
  - D. Install the `Microsoft-NanoServer-Storage-Package` package.

10. You are the administrator for your company network. You create a Nano Server image named `Nano1.vhdx` by using the `New-NanoServerImage` cmdlet and attach it to a Generation 1 virtual machine named `Nano1`. When you start `Nano1`, you get an error message that states, “Boot failure. Reboot and select proper Boot device or Insert Boot Media in selected Boot device.” What should you do to successfully start the Nano Server?
- A. Attach `Nano1.vhdx` to a SCSI controller.
  - B. Recreate `Nano1` as a Generation 2 virtual machine.
  - C. Increase the memory of `Nano1` to 512 MB.
  - D. Modify the BIOS settings of `Nano1`.
11. You are the administrator for your company network. You have a Nano Server image named `Disk1.vhdx`. You mount `Disk1.vhdx`. What tool or cmdlet should you use if you need to add a folder that contains several files to the image?
- A. `Copy-Item`
  - B. `Add-WindowsImage`
  - C. `Add-WindowsPackage`
  - D. `Edit-NanoServerImage`
12. You are the administrator for your company network. You have a Windows Server 2016 server named `Server1`. You use the Basic template to create a new data collector set named `CollectorSet1` on this server. What should you do before you start `CollectorSet1` if you need to configure it to generate performance alerts?
- A. Modify the performance counter data collector of `CollectorSet1`.
  - B. Add a new data collector to `CollectorSet1`.
  - C. Modify the configuration data collector of `CollectorSet1`.
  - D. Add a new task to `CollectorSet1`.
13. You are the administrator for your company network. Your network contains an Active Directory forest named ABC Company. The forest has a Distributed File System (DFS) namespace named `\\abccompany.com\namespace1`. The domain contains a file server named `FS1` that runs Windows Server 2016. You create a folder named `Folder1` on `FS1`. Which two cmdlets should you use? (Choose two.)
- A. `New-DfsnFolderTarget`
  - B. `Install-WindowsFeature`
  - C. `Grant-DfsnAccess`
  - D. `New-DfsnFolder`
  - E. `New-SmbShare`

14. You are the administrator for your company network. You have two Windows Server 2016 servers named Server1 and Server2. There is a firewall between the two servers. Both servers run Windows Server Update Services (WSUS). Server1 downloads updates from Microsoft Update. What port should be open on the firewall if Server2 must synchronize updates from Server1?
- A. 80
  - B. 443
  - C. 3389
  - D. 8530
15. You are the administrator for your company network. You administer a large network, and a colleague installs a new machine with Windows Server 2016 Datacenter Server Core. It is determined that it should have been Windows Server 2016 Datacenter (Desktop Experience). What should you do?
- A. On the same machine, reinstall the Windows Server 2016 Datacenter Server Core.
  - B. Install Windows Server 2016 Datacenter Server Core on a new machine.
  - C. Convert the current Windows Server 2016 Datacenter Server Core to the Windows Server 2016 Datacenter (Desktop Experience) version.
  - D. Dual-boot the machine with both Windows Server 2016 Datacenter Server Core and Windows Server 2016 Datacenter (Desktop Experience).
16. You are the administrator for your company network. You are looking to upgrade Windows Server 2012 Standard with GUI to Windows Server 2016. If you want to maintain the GUI interface, what version of Windows Server 2016 does Microsoft recommend?
- A. Windows Server 2016 Datacenter (Desktop Experience)
  - B. Windows Server 2016 Standard (Desktop Experience)
  - C. Windows Server 2016 Datacenter
  - D. Windows Server 2016 Standard
17. You are the administrator for your company network. You administer a network that has a Nano Server named Nano1. You want to see if the DNS Server role is installed on this machine. What cmdlet should you use?
- A. Find-NanoServerPackage
  - B. Get-Package
  - C. Find-Package
  - D. Get-WindowsOptionalFeature
18. You are the administrator for your company network. Your network contains an Active Directory domain. There is a company policy that indicates that new servers should run Nano Server whenever possible. What server role can be deployed on Nano Server?
- A. Active Directory Domain Services
  - B. DHCP Server
  - C. Network Policy and Access Services
  - D. Web Server (IIS)

19. You are the administrator for your company network. You are planning on creating an answer file. What should you name the answer file so that it will work with unattended installations?
- A. Autounattend.txt
  - B. Autounattend.xls
  - C. Autounattend.xml
  - D. Autounattend.docx
20. You are the administrator for your company network. You have a Windows Server 2016 server named Server1. You create a Nano Server image named Disk1.vhdx. You need to start Server1 by using Disk1.vhdx. What three actions should you perform? (Choose three.)
- A. Restart Server1.
  - B. Run the bcdboot.exe command.
  - C. Run the bootcfg.exe command.
  - D. Run the Edit-NanoServerImage cmdlet.
  - E. Mark a partition as active.
  - F. Mount Disk1.vhdx.
21. You are the administrator for your company network. You have a Windows Server 2016 server named Server1. The server has an application named App1 that writes entries to the Application event log when errors are encountered. The events have IDs of either 111 or 112. What should you do to restart the service whenever one of these events is logged?
- A. Run the Get-SMSEvent cmdlet and pipe the output to the Start-NetEvent using Windows PowerShell.
  - B. Use create task to create one task that includes triggers for both event IDs from Task Scheduler.
  - C. Create a custom view that has a filter for the event IDs from Event Viewer.
  - D. Run the Write-EventLog cmdlet and specify the -EventID parameter using Windows PowerShell.
22. You are the administrator for your company network. You have a server named Server1 that is an iSCSI target. You have a server named Server2 that runs Windows Server 2016. Server2 has an iSCSI disk named Disk1. Disk1 contains one volume that is assigned a drive letter of E:. What should you do if you need to increase the size of Disk1?
- A. Run the Resize-Partition cmdlet and specify the -ComputerName Server2 parameter.
  - B. Run the Resize-IscsiVirtualDisk cmdlet and specify the -ComputerName Server2 parameter.
  - C. Run the Resize-IscsiVirtualDisk cmdlet and specify the -ComputerName Server1 parameter.
  - D. Run the Resize-Partition cmdlet and specify the -ComputerName Server1 parameter.

- 23.** You are the administrator for your company network. You are deciding on an upgrade path. You are currently using Windows Server 2012 R2 Standard in your environment. What is the recommended upgrade path you should choose? (Choose all that apply.)
- A.** Windows Server 2016 Standard
  - B.** Windows Server 2016 Datacenter
  - C.** Windows Server 2016 Essentials
  - D.** Windows Storage Server 2016
- 24.** You are the administrator for your company network. You have a Windows Server 2016 server named Server1 that has Windows Defender enabled. Server1 runs an application named App1 that stores various types of files in Microsoft OneDrive and Microsoft SharePoint Online. App1 also interacts with several local services. What should you do on Server1 if you need to prevent Windows Defender from scanning any files opened by App1?
- A.** In Windows Defender, modify the real-time protection settings.
  - B.** In Windows Defender, modify the cloud-based protection settings.
  - C.** Run the `New-AppLockerPolicy` cmdlet.
  - D.** From the Windows Defender settings, configure a process exclusion.
- 25.** You are the administrator for your company network. You have a Windows Server 2016 server named Server1. A Microsoft Azure Backup of Server1 is created automatically every day. What cmdlet should you run if you need to view the items that are included in the backup?
- A.** `Get-OBPolicyState`
  - B.** `Get-OBJob`
  - C.** `Get-OBPolicy`
  - D.** `Get-WBSummary`
- 26.** You are the administrator for your company network. You have a Windows Server 2016 server named Server1. A Microsoft Azure Backup of Server1 is created automatically every day. You rename Server1 to Server2. You discover that backups are no longer being created in Azure. You need to ensure that the server is backed up to Azure. What should you do?
- A.** Upload the Server2 certificate as a management certificate from the Azure Management Portal.
  - B.** Run the `Start-OBRegistration` cmdlet on Server2.
  - C.** Run the `Add-WBBackupTarget` cmdlet on Server2.
  - D.** Modify the configuration on the backup vault from the Azure Management Portal.
- 27.** You are the administrator for your company network and you are planning on upgrading your Windows Server 2012 R2 Datacenter with GUI machine to Windows Server 2016. The company is planning on virtualizing 25 servers. What version of Windows Server 2016 should you upgrade to while maintaining the GUI interface?
- A.** Windows Server 2016 Datacenter (Desktop Experience)
  - B.** Windows Server 2016 Standard (Desktop Experience)
  - C.** Windows Server 2016 Datacenter
  - D.** Windows Server 2016 Standard

- 28.** You are the administrator for your company network. You and a colleague are discussing Windows Server 2016 Server Core. Windows Server 2016 Server Core has many benefits. Which of the following are some of the benefits of using Windows Server 2016 Server Core? (Choose all that apply.)
- A.** Reduced management
  - B.** Minimal maintenance
  - C.** Smaller footprint
  - D.** Tighter security
- 29.** You are the administrator for your company network and you are looking to save hard drive space on the Windows Server 2016 Datacenter machine. What feature can you use to help you save hard disk space?
- A.** HDSaver.exe
  - B.** Features On Demand
  - C.** ADDS
  - D.** WinRM
- 30.** You are the administrator for your company network. If physical security is a concern in an area, what type of domain controller should you install?
- A.** Primary domain controller
  - B.** Backup domain controller
  - C.** Read-only domain controller
  - D.** Locked-down domain controller
- 31.** You are the administrator for your company network. You have a Windows Server 2016 server named Server1. The Windows Server 2016 installation media is mounted as drive D. You copy the NanoServerImageGenerator folder from the D:\NanoServer folder to the C:\NanoServer folder. You create a custom Nano Server image that includes the Hyper-V server role. What two commands should you run if you want this image to be used to deploy Nano Servers to physical servers? (Choose two.)
- A.** `New-NanoServerImage -Edition Standard -DeploymentType Guest -MediaPath D:\ -TargetPath \NanoServerImage\NanoServer.wim -Compute`
  - B.** `Install-PackageProvider NanoServerPackage`
  - C.** `Import-PackageProvider NanoServerPackage`
  - D.** `New-NanoServerImage -Edition Standard -DeploymentType Host -MediaPath D:\ -TargetPath \NanoServerImage\NanoServer.wim -Compute`
  - E.** `Import-Module C:\NanoServer\NanoServerImageGenerator`

- 32.** You are the administrator for your company network. You are trying to decide if you'd like to install a Windows Server 2016 Nano Server on the network. What are some good options that Nano Server would be ideal for? (Choose all that apply.)
- A.** A DNS server
  - B.** As a storage machine for file servers
  - C.** A domain controller
  - D.** Systems Center Data Protection Manager
  - E.** NIC Teaming
  - F.** An IIS server
  - G.** An application server for cloud-based applications
- 33.** You are the administrator for your company network. You have a Hyper-V host named Server1 that runs Windows Server 2016. The installation source files for Windows Server are located in D:\Source. You need to create a Nano Server image. Which cmdlets should you run? (Choose all that apply.)
- A.** Add-WindowsImage
  - B.** Import-Module
  - C.** Install-Module
  - D.** New-NanoServerImage
  - E.** New-WindowsCustomImage
- 34.** You are the administrator for your company network. You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 hosts a virtual machine named VM1. What should you do first if you need to provide VM1 with direct access to a graphics processing unit (GPU) on Server1?
- A.** On Server1, disable the display adapter device.
  - B.** Add a RemoteFX 3D Video Adapter in the settings of VM1.
  - C.** Install the Quality Windows Audio Video Experience (qWave) feature on VM1.
  - D.** On Server1, dismount the display adapter.
- 35.** You are the administrator for your company network. You are preparing an image of Windows Server 2016. You notice that the image is missing the driver for a network adapter. This is required in your environment. You need to ensure that the image contains the network adapter driver. What three cmdlets should you use? (Choose three.)
- A.** Mount-WindowsImage
  - B.** Add-WindowsDriver
  - C.** Get-WindowsImage
  - D.** Save-WindowsImage
  - E.** Add-WindowsFeature
  - F.** Dismount-WindowsImage
  - G.** Optimize-WindowsImage