70-740.microsoft

Number: 70-740
Passing Score: 800
Time Limit: 120 min

Exam A

QUESTION 1
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 has a dynamically expanding virtual hard disk (VHD) file that is 900 GB. The VHD contains 400 GB of free space.

You need to reduce the amount of disk space used by the VHD.

What should you run?

A. the **Mount-VHD** cmdlet

B. the **Diskpart** command

C. the **Set-VHD** cmdlet

D. the **Set-VM** cmdlet

E. the **Set-VMHost** cmdlet

F. the **Set-VMProcessor** cmdlet

G. the **Install-WindowsFeature** cmdlet

H. the **Optimize-VHD** cmdlet

Correct Answer: H
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 contains a virtual machine named VM1.

You need to ensure that you can use nested virtualization on VM1.

What should you run on Server1?

A. the **Mount-VHD** cmdlet

B. the **Diskpart** command

C. the **Set-VHD** cmdlet

D. the **Set-VM** cmdlet

E. the **Set-VMHost** cmdlet

F. the **Set-VMProcessor** cmdlet

G. the **Install-WindowsFeature** cmdlet

H. the **Optimize-VHD** cmdlet

Correct Answer: F
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 3
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

A company named Contoso, Ltd. has several servers that run Windows Server 2016. Contoso has a Hyper-V environment that uses failover clustering and Windows Server Update Services (WSUS). The environment contains several Windows containers and several virtual machines.

The WSUS deployment contains one upstream server that is located on the company's perimeter network and several downstream servers located on the internal network. A firewall separates the upstream server from the downstream servers.

You plan to deploy a human resources application to a new server named HRServer5. HRServer5 contains a FAT32-formatted data volume.

The CIO of Contoso identifies the following requirements for the company's IT department:

- Deploy a failover cluster to two new virtual machines.
- Store all application databases by using Encrypted File System (EFS).
- Ensure that each Windows container has a dedicated IP address assigned by a DHCP server.

- Produce a report that lists the processor time used by all of the processes on a server named Server1 for five hours.
- Encrypt all communication between the internal network and the perimeter network, including all WSUS communications.
- Automatically load balance the virtual machines hosted in the Hyper-V cluster when processor utilization exceeds 70 percent.

You need to modify the Hyper-V cluster to meet the load balancing requirement for the virtual machine.

Which command should you run?

A. **(Get-ClusterParameter).AutoBalancerMode=2**

B. **(Get-Cluster).AutoBalancerMode=2**

C. **(Get-ClusterParameter).AutoBalancerLevel=2**

D. **(Get-Cluster).AutoBalancerLevel=2**

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

A company named Contoso, Ltd. has several servers that run Windows Server 2016. Contoso has a Hyper-V environment that uses failover clustering and Windows Server Update Services (WSUS). The environment contains several Windows containers and several virtual machines.

The WSUS deployment contains one upstream server that is located on the company's perimeter network and several downstream servers located on the internal network. A firewall separates the upstream server from the downstream servers.

You plan to deploy a human resources application to a new server named HRServer5. HRServer5 contains a FAT32-formatted data volume.

The CIO of Contoso identifies the following requirements for the company's IT department:
- Deploy a failover cluster to two new virtual machines.
- Store all application databases by using Encrypted File System (EFS).
- Ensure that each Windows container has a dedicated IP address assigned by a DHCP server.
- Produce a report that lists the processor time used by all of the processes on a server named Server1 for five hours.
- Encrypt all communication between the internal network and the perimeter network, including all WSUS communications.

- Automatically load balance the virtual machines hosted in the Hyper-V cluster when processor utilization exceeds 70 percent.

What should you do to prepare the data volume on HRServer5 to store the databases required for the human resources application?

A. Format the data volume by using ReFS.
B. Enable Trusted Platform Module (TPM) on HRServer5.
C. Format the data volume by using NTFS.
D. Enable BitLocker Drive Encryption (BitLocker) on the data volume.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
Your network contains a new Active Directory domain named contoso.com.

You have a security policy that states that new servers should run Nano Server whenever possible.

Which server role can be deployed on a Nano Server?

A. Active Directory Domain Services
B. DHCP Server
C. Network Policy and Access Services
D. Web Server (IIS)

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
You have a server named Server1 that runs Windows Server 2016.

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 need to create a custom Nano Server image that includes the Hyper-V server role. The image will be used to deploy Nano Servers to physical servers.

Which two commands should you run? Each correct answer presents part of the solution.

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**

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:
References: https://technet.microsoft.com/en-us/windows-server-docs/get-started/nano-server-quick-start

QUESTION 7
You have a server named Server1 that runs Windows Server 2016.

You need to install the DNS Server role on Server1.

What should you run?

A. the **dns.exe** command

B. the **optionalfeatures.exe** command

C. the **Install-Package** cmdlet

D. the **Enable-WindowsOptionalFeature** cmdlet

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
You have a server named Server1 that runs Windows Server 2016.

Server1 has Internet connectivity.

You have a Nano Server image.

You need to download and save a Nano Server package in the Nano Server image. The package is NOT included in the Windows Server 2016 installation media.

Which two cmdlets should you run on Server1? Each correct answer presents part of the solution.

A. **Set-PackageSource**
B. **Install-PackageProvider**
C. **Add-AppxProvisionedPackage**
D. **Save-NanoServerPackage**
E. **Add-WindowsPackage**

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
You have a server named Server1 that runs Windows Server 2016 and has the Hyper-V server role installed.

On server1, you plan to create a virtual machine named VM1.

You need to ensure that you can start VM1 from the network.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

A. Create a generation 2 virtual machine.

B. Create a generation 1 virtual machine and run the **Enable-NetAdapterPackageDirectcmdlet**.

C. Create a generation 1 virtual machine that has a legacy network adapter.

D. Create a generation 1 virtual machine and configure a single root I/O virtualization (SRV-IO) interface for the network adapter.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
You have a Hyper-V host that runs Windows Server 2016. The host contains a virtual machine named VM1. VM1 has resource metering enabled.

You need to use resource metering to track the amount of network traffic that VM1 sends to the 10.0.0.0/8 network.

Which cmdlet should you run?

A. **Add-VMNetworkAdapterAcl**

B. **Set-VMNetworkAdapter**

C. **New-VMResourcePool**

D. **Set-VMNetworkAdapterRoutingDomainMapping**

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 has two virtual machines named VM1 and VM2.

You discover that VM1 and VM2 can communicate with Server1 over the network.

You need to ensure that VM1 and VM2 can communicate with each other only. The solution must prevent VM1 and VM2 from communicating with Server1.

Which cmdlet should you use?

A. **Set-VMSwitch**
B. **Enable-VMSwitchExtension**
C. **Set-NetNeighbor**
D. **Remove-VMSwitchTeamMember**

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 contains four virtual machines that are configured as shown in the following table.

Virtual machine name	Configuration
VM1	A shielded virtual machine that runs Windows Server 2012 R2
VM2	A shielded virtual machine that runs Windows Server 2016
VM3	A virtual machine that runs Windows Server 2012 R2 and has Secure Boot enabled
VM4	A virtual machine that runs Windows Server 2016 and has all of its drivers protected by using BitLocker Drive Encryption (BitLocker)

To which virtual machine or machines can you connect by using Virtual Machine Connection from Hyper-V Manager?

A. VM1, VM2, VM3, and VM4

B. VM4 only

C. VM1 and VM2 only

D. VM3 and VM4 only

E. VM2 only

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 13
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a two-node Hyper-V cluster named Cluster1 at a primary location and a stand-alone Hyper-V host named Server1 at a secondary location.

A virtual machine named VM1 runs on Cluster1.

You configure a Hyper-V Replica of VM1 to Server1.

You need to perform a Test Failover of VM1.

Which tool should you use?

A. the **clussvc.exe** command
B. the **cluster.exe** command
C. the Computer Management snap-in
D. the **configurehyperv.exe** command
E. the Disk Management snap-in
F. the Failover Cluster Manager snap-in
G. the Hyper-V Manager snap-in
H. the **Server Manager Desktop** app

Correct Answer: G
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have three servers named Server1, Server2, and Server3 that run Windows Server 2016.

The servers are configured only with the components listed in the table below.

Server name	Components installed
Server1	Hyper-V server role
Server2	Hyper-V server role
Server3	iSCSI Target Server role service

You need to create a Hyper-V cluster.

Which tool should you use first?

A. the **clussvc.exe** command
B. the **cluster.exe** command
C. the Computer Management snap-in
D. the **configurehyperv.exe** command
E. the Disk Management snap-in
F. the Failover Cluster Manager snap-in
G. the Hyper-V Manager snap-in
H. the Server Manager app

Correct Answer: H
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a Hyper-V host named Server1 that runs Windows Server 2016 and a two-node scale-out file server cluster named Cluster1.

A virtual machine named VM1 runs on Server1.

You need to migrate the storage on VM1 to Cluster1.

Which tool should you use?

A. the **clussvc.exe** command
B. the **cluster.exe** command

C. the Computer Management snap-in

D. the **configurehyperv.exe** command

E. the Disk Management snap-in

F. the Failover Cluster Manager snap-in

G. the Hyper-V Manager snap-in

H. the Server Manager app

Correct Answer: G
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
You have a Nano Server named Nano1. Which cmdlet should you use to identify whether the DNS Server role is installed on Nano1?

A. **Find-NanoServerPackage**

B. **Get-Package**

C. **Find-Package**

D. **Get-WindowsOptionalFeature**

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory forest named contoso.com. The forest contains a member server named Server1 that runs Windows Server 2016. All domain controllers run Windows Server 2012 R2. Contoso com has the following configuration:

```
PS C:\> (Get-ADForest). ForestMode Windows2008R2Forest
PS C:\> (Get-ADDomain). DomainMode Windows2008R2Domain
PS C:\>
```

You plan to deploy an Active Directory Federation Services (AD FS) farm on Server1 and to configure device registration. You need to configure Active Directory to support the planned deployment.

Solution: You raise the domain functional level to Windows Server 2012 R2.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
You are configuring a Windows Server 2016 failover cluster in a workgroup. Before installing one of the nodes, you run the ipconfig /all command and receive the following output:

```
Windows IP Configuration

        Host Name...................... : Server1
        Primary DNS Suffix............. :
        Node Type...................... : Hybrid
        IP Routing Enabled............. : No
        WINS Proxy Enabled............. : No
        DNS Suffix Search List......... :

Ethernet adapter Ethernet:

        Connection-specific DNS Suffix.. :
        Description..................... : Microsoft Hyper-V Network Adapter
        Physical Address................ : 00-15-SD-01-62-17
        DHCP Enabled.................... : Yes
        Autoconfiguration Enabled...... : Yes
        Link-local IPv6 Address........ : fe80::7548:46d8:8ffc:d5ab%17(Preferred)
        IPv4 Address.................... : 192.168.1.154(Preferred)
        Subnet Mask..................... : 255.255.255.0
        Default Gateway................. : 192.168.1.10
        DHCPv6 IAID..................... : 369099429
        DHCPv6 Client DUID............. : 00-01-00-01-1A-1D-5D-60-00-02-A5-4E-F4-85
        DNS Servers..................... : 192.168.1.32
        NetBIOS over TCPIP............. : Disabled
```

You need to ensure that Server1 can be added as a node in the cluster. What should you do?

A. Assign a static IP address
B. Change the **Node Type** to **Broadcast**
C. Configure a DNS suffix
D. Enable **NetBIOS over TCP/IP**

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
You have a server named Server1 that runs Windows Server 2016. You need to configure Server1 as a multitenant RAS Gateway. What should you install on Server1?

A. the **Network Policy** and **Access Services** server role
B. the **Remote Access** server rote
C. the **Data Center Bridging** feature
D. the **Network Controller** server role

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory forest named contoso.com. The forest contains a member server named Server1 that runs Windows Server 2016. All domain controllers run Windows Server 2012 R2. Contoso com has the following configuration:

```
PS C:\> (Get-ADForest). ForestMode Windows2008R2Forest
PS C:\> (Get-ADDomain). DomainMode Windows2008R2Domain
PS C:\>
```

You plan to deploy an Active Directory Federation Services (AD FS) farm on Server1 and to configure device registration. You need to configure Active Directory to support the planned deployment.

Solution: You raise the forest functional level to Windows Server 2012 R2.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
New installations of AD FS 2016 require the Active Directory 2016 schema (minimum version 85)

QUESTION 21
You have a server named Served that runs Windows Server 2016. Server1 will be used as a VPN server. You need to configure Server1 to support VPN Reconnect. Which VPN protocol should you use?

A. PPTP
B. L2TP
C. SSTPD. IKEv2

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22
You have a server named Server1 that runs Windows Server 2016. You install the Docker daemon on Server1. You need to configure the Docker daemon to accept connections only on TCP port 64500. What should you do?

A. Run the New-**NetFirewallRule** cmdlet
B. Run the **Set-ServiceWindows PowerShell** cmdlet
C. Edit the daemon.json file

D. Edit the configuration json file

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
Note: This question is part of a series of questions that use the same similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have two servers named Server1 and Server2 that run Windows Server 2016. Server1 and Server2 have the Hyper-V server role installed. An iSCSI SAN connects to the network.

You create a LUN on the SAN and configure both servers to connect to the iSCSI target. You create a failover cluster and add Server1 and Server2 to the cluster.

You connect both servers to the iSCSI target and format the shared storage. You need to add the shared storage to the cluster. The solution must ensure that virtual machines running on both nodes can access the shared storage simultaneously.

Which tool should you use?

A. the **clussvc.exe** command
B. the **cluster.exe** command
C. the Computer Management snap-in
D. the **configurehyperv.exe** command
E. the Disk Management snap-in
F. the Failover Cluster Manager snap-in
G. the Hyper-V Manager snap-in
H. the **Server Manager Desktop** app

Correct Answer: F
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24

You have an Active Directory domain named Contoso.com. The domain contains servers named Server1 and Server2 that run Windows Server 2016. You install the Remote Access server role on Server1. You install the Network Policy and Access Services server role on Server2. You need to configure Server1 to use Server2 as a RADIUS server. What should you do?

A. From **Routing and Remote Access**, configure the authentication provider.

B. From the **Connection Manager Administration Kit**, create a **Connection Manager** profile.

C. From **Server Manager**, create an **Access Policy**.

D. From **Active Directory Users and Computers**, modify the **Delegation** settings of the Server1 computer account.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
You have an application named App1. App1 is distributed to multiple Hyper-V virtual machines in a multitenant environment. You need to ensure that the traffic is distributed evenly among the virtual machines that host App1. What should you include in the environment?

A. Network Controller and Windows Server Network Load Balancing (NLB) nodes

B. Network Controller and Windows Server Software Load Balancing (SLB) nodes

C. a RAS Gateway and Windows Server Network Load Balancing (NLB) nodes

D. a RAS Gateway and Windows Server Software Load Balancing (SLB) nodes

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory domain named contoso.com. The domain contains a DNS server named Server1. All client computers run Windows 10.
On Server1, you have the following zone configuration:

```
ZoneName              ZoneType   IsAutoCreated  IsDsIntegrated  IsReverseLookupZone  IsSign
--------              --------   -------------  --------------  -------------------  ------
_msdcs.contoso.com    Primary    False          True            False                False
adatum.com            Forwarder  False          False           False
contoso.com           Primary    False          True            False                False
fabrikam.com          Primary    False          False           False                True
TrustAnchors          Primary    False          True            False                False
```

You have the following subnets defined on Server1.

```
Name        IPv4Subnet          IPv6Subnet
----        ----------          ----------
Subnet1     (10.0.0.0/24)
Subnet2     (10.0.1.0/24)
Subnet3     (192.168.15.0/24)
Subnet4     (172.16.1.0/24)
```

You need to prevent Server1 from resolving queries from DNS clients located on Subnet4. Server1 must resolve queries from all other DNS clients.
Solution: From Windows PowerShell on Server1, you run the **Export-DnsServerDnsSecPublicKey** cmdlet.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
Note: This question is part of a series of questions that use the same similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a two-node Hyper-V cluster named Cluster1.

As virtual machine named VM1 runs on Cluster1. You need to configure monitoring of VM1.

The solution must move VM1 to a different node if the Print Spooler service on VM1 stops unexpectedly.

Which tool should you use?

A. the **clussvc.exe** command
B. the **cluster.exe** command
C. the Computer Management console
D. the **configurehyperv.exe** command
E. the Disk Management console
F. the Failover Cluster Manager console
G. the Hyper-V Manager console
H. the Server Manager Desktop app

Correct Answer: F
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
You have a failover cluster named Cluster1. A virtual machine named VM1 is a highly available virtual machine that runs on Cluster1. A custom application named App1 runs on VM1. You need to configure monitoring of VM1. If App1 adds an error entry to the Application event log, VM1 should be automatically rebooted and moved to another cluster node. Which tool should you use?

A. Hyper-V Manager
B. Failover Cluster Manager
C. Server Manager
D. Resource Monitor

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 29
Your company has 10 offices. Each office has a local network that contains several Hyper-V hosts that run Windows Server 2016. All of the offices are connected by high speed, low latency WAN links.

You need to ensure that you can use QoS policies for Live Migration traffic between the offices. Which component should you install?

A. the **Multipath I/O** feature
B. the **Routing** role service
C. the **Network Controller** server role
D. the **Canary Network Diagnostics** feature
E. the **Data Center Bridging** feature

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a Hyper-V host named Server1 that runs Windows Server 2016. You plan to deploy several shielded virtual machines on Server1. You deploy a Host Guardian on a new server.

You need to ensure that Server1 can host shielded virtual machines.

What should you run first?

A. the **Mount-VHD** cmdlet
B. the **Diskpart** command
C. the **Set-VHD** cmdlet
D. the **Set-VM** cmdlet

E. the **Set-VMHost** cmdlet

F. the **Set-VMProcessor** cmdlet

G. the **Install-WindowsFeature** cmdlet

H. the **Optimize-VHD** cmdlet

Correct Answer: G
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 31

Your network contains an Active Directory domain named contoso.com. The domain contains two servers named Server1 and Server2 that have the same hardware configuration.

You need to asynchronously replicate volume F: from Server1 to Server2. What should you do?

A. Run **New-SRPartnership** and specify the *RephcationMode* parameter.

B. Install the **Failover Clustering** feature and create a new cluster resource group.

C. Install the **Failover Clustering** feature and use **Cluster SharedVolumes (CSV)**.

D. Run **Set-DfsrServiceConfiguration** and specify the *–RPCPort* parameter.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32

You have a Nano Server named Nano1. You deploy several containers to Nano1 that use an image named Image1. You need to deploy a new container to Nano1 that uses Image1. What should you run?

A. the **Install-NanoServerPackage** cmdlet

B. the **Install-WindowsFeature** cmdlet

C. the **docker load** command

D. the **docker run** command

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33

You deploy a Hyper-V server named Served in an isolated test environment. The test environment is prevented from accessing the Internet. Server1 runs the Datacenter edition of Windows Server 2016. You plan to deploy the following guest virtual machines on the server:

Quantity	Operating system	Domain member
10	Windows Server 2012 R2	Yes
4	Windows Server 2016	No
5	Windows Server 2016	Yes

Which activation model should you use for the virtual machines?

A. Multiple Activation Key (MAK)
B. Automatic Virtual Machine Activation (AVMA)
C. Original Equipment Manufacturer (OEM) key
D. Key Management Service (KMS)

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34

Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory domain named contoso.com. The domain contains a DNS server named Server1. All client computers run Windows 10.
On Server1, you have the following zone configuration:

ZoneName	ZoneType	IsAutoCreated	IsDsIntegrated	IsReverseLookupZone	IsSign
_msdcs.contoso.com	Primary	False	True	False	False
adatum.com	Forwarder	False	False	False	
contoso.com	Primary	False	True	False	False
fabrikam.com	Primary	False	False	False	True
TrustAnchors	Primary	False	True	False	False

You have the following subnets defined on Server1.

Name	IPv4Subnet	IPv6Subnet
Subnet1	(10.0.0.0/24)	
Subnet2	(10.0.1.0/24)	
Subnet3	(192.168.15.0/24)	
Subnet4	(172.16.1.0/24)	

You need to prevent Server1 from resolving queries from DNS clients located on Subnet4. Server1 must resolve queries from all other DNS clients.

Solution: From a Group Policy object (GPO) in the domain, you modify the Network List Manager Policies (NLMP).

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:
Explanation:

QUESTION 35
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory domain named contoso.com. The domain contains a DNS server named Server1. All client computers run Windows 10.
On Server1, you have the following zone configuration:

ZoneName	ZoneType	IsAutoCreated	IsDsIntegrated	IsReverseLookupZone	IsSign
_msdcs.contoso.com	Primary	False	True	False	False
adatum.com	Forwarder	False	False	False	
contoso.com	Primary	False	True	False	False
fabrikam.com	Primary	False	False	False	True
TrustAnchors	Primary	False	True	False	False

You have the following subnets defined on Server1.

Name	IPv4Subnet	IPv6Subnet
Subnet1	(10.0.0.0/24)	
Subnet2	(10.0.1.0/24)	
Subnet3	(192.168.15.0/24)	
Subnet4	(172.16.1.0/24)	

You need to prevent Server1 from resolving queries from DNS clients located on Subnet4. Server1 must resolve queries from all other DNS clients.

Solution: From Windows PowerShell on Setver1, you run the **Add-DnsServerTrustAnchor** cmdlet.

Does this meet the goal?

A. Yes

B. No
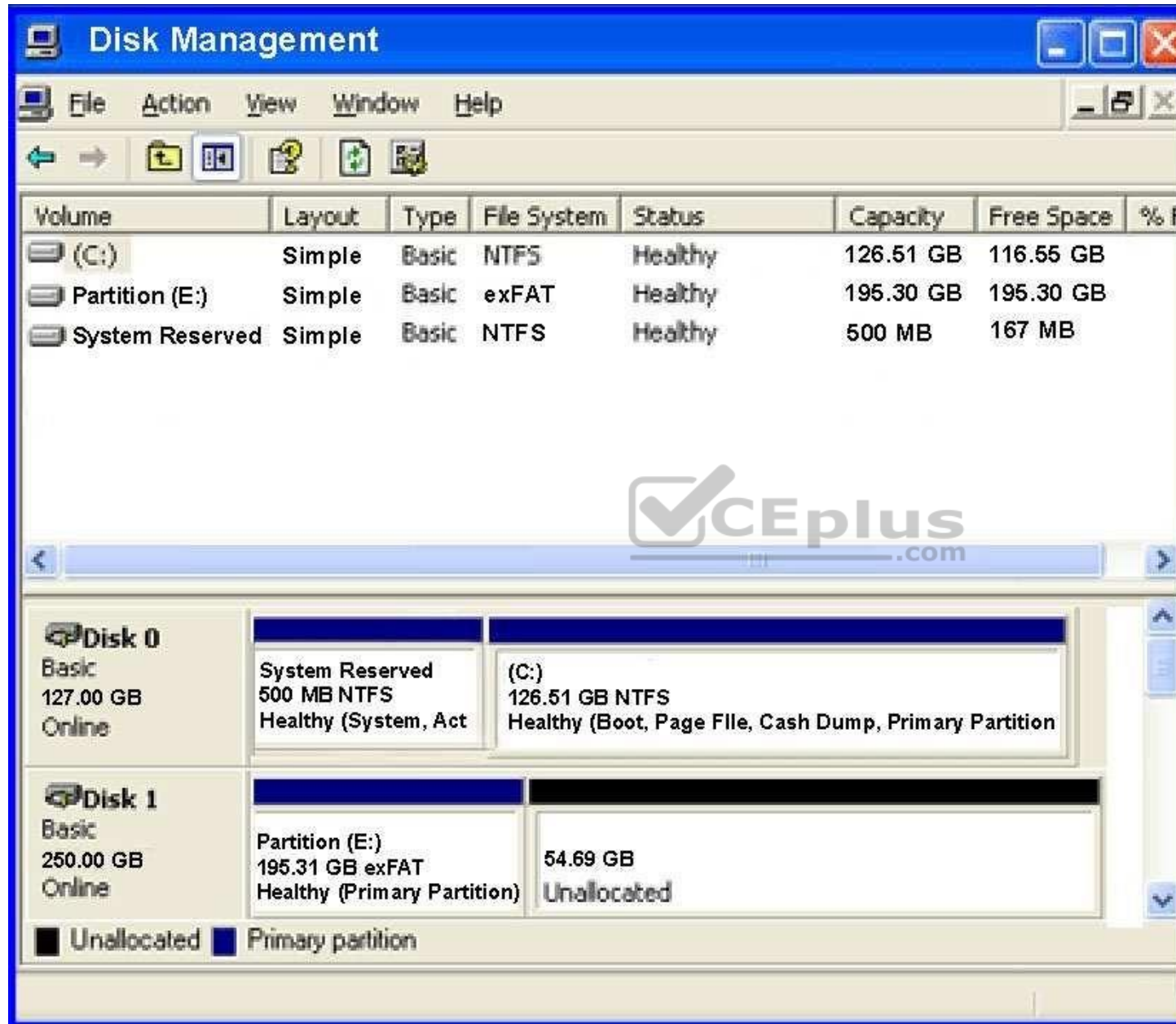
Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
You have a server named Server 1 that runs Windows Server 2016. The disk configuration for Server1 is shown in the exhibit:

Volume	Layout	Type	File System	Status	Capacity	Free Space	% F
(C:)	Simple	Basic	NTFS	Healthy	126.51 GB	116.55 GB	
Partition (E:)	Simple	Basic	exFAT	Healthy	195.30 GB	195.30 GB	
System Reserved	Simple	Basic	NTFS	Healthy	500 MB	167 MB	

Disk 0
Basic
127.00 GB
Online

System Reserved
500 MB NTFS
Healthy (System, Act

(C:)
126.51 GB NTFS
Healthy (Boot, Page File, Cash Dump, Primary Partition

Disk 1
Basic
250.00 GB
Online

Partition (E:)
195.31 GB exFAT
Healthy (Primary Partition)

54.69 GB
Unallocated

■ Unallocated ■ Primary partition

You add Server1 to a cluster. You need to ensure that you can use Disk1 for Storage Spaces Direct.

A. Delete Partition (E:)
B. Set Disk1 to offline
C. Convert Disk 1 to a dynamic disk
D. Convert Partition (E:) to ReFS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
You have a Scale-Out File Server that has a share named Share1. Share1 contains a virtual disk file named Disk1.vhd.

You plan to create a guest failover cluster.

You need to ensure that you can use the virtual disk as a shared virtual disk for the guest failover cluster.

Which cmdlet should you use?

A. Optimize-VHDSet
B. Set-VHD
C. Convert-VHD
D. Optimize-VHD

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://4sysops.com/archives/hyper-v-cluster-with-shared-vhd-create-vhdx-files-and-cluster/

QUESTION 38
Your network contains an Active Directory forest named contoso.com.

The forest contains a member server named Server1 that runs Windows Server 2016. Server1 is located in the perimeter network.

You install the Active Directory Federation Services server role on Server1. You create an Active Directory Federation Services (ADFS) farm by using a certificate that has a subject name of sts.contoso com.

You need to enable certificate authentication from the Internet on Server1.

Which two inbound TCP ports should you open on the firewall? Each correct answer presents part of the solution.

A. 389
B. 443
C. 3389
D. 8531
E. 49443

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory forest named contoso.com. The forest contains a member server named Server1 that runs Windows Server 2016. All domain controllers run Windows Server 2012 R2. Contoso com has the following configuration:

```
PS C:\> (Get-ADForest). ForestMode Windows2008R2Forest
PS C:\> (Get-ADDomain). DomainMode Windows2008R2Domain
PS C:\>
```

You plan to deploy an Active Directory Federation Services (AD FS) farm on Server1 and to configure device registration. You need to configure Active Directory to support the planned deployment.

Solution: You upgrade a domain controller to Windows Server 2016.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 40
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory domain named contoso.com. The domain contains a DNS server named Server1. All client computers run Windows 10. On Server1, you have the following zone configuration:

```
ZoneName              ZoneType   IsAutoCreated  IsDsIntegrated  IsReverseLookupZone  IsSign
--------              --------   -------------  --------------  -------------------  ------
_msdcs.contoso.com    Primary    False          True            False                False
adatum.com            Forwarder  False          False           False
contoso.com           Primary    False          True            False                False
fabrikam.com          Primary    False          False           False                True
TrustAnchors          Primary    False          True            False                False
```

You have the following subnets defined on Server1.

```
Name          IPv4Subnet            IPv6Subnet
----          ----------            ----------
Subnet1       (10.0.0.0/24)
Subnet2       (10.0.1.0/24)
Subnet3       (192.168.15.0/24)
Subnet4       (172.16.1.0/24)
```

You need to prevent Server1 from resolving queries from DNS clients located on Subnet4. Server1 must resolve queries from all other DNS clients.

Solution: From the Security setting of each zone on Server1, you modify the permissions.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
**Explanation**

Explanation/Reference:
Explanation:

QUESTION 41
You have a server named Server1 that runs Windows Server 2016. The Docker daemon runs on Server1.

You need to ensure that members of a security group named Docker Administrators can administer Docker.

What should you do?

A. Run the **Set-Service** cmdlet.
B. Modify the Security settings of **Dockerd.exe**.

C. Edit the Configuration.json file.
D. Run the sc config command.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/virtualization/windowscontainers/manage-docker/configure-docker-daemon

QUESTION 42
Note: In this section, you'll see one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem, and you must determine whether the solution meets the stated goals. Any of the solutions might solve the problem. It is also possible that none of the solutions solve the problem.

Once you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Your network contains an Active Directory domain named contoso.com. The domain contains a DNS server named Server1. All client computers run Windows 10. On Server1, you have the following zone configuration:

ZoneName	ZoneType	IsAutoCreated	IsDsIntegrated	IsReverseLookupZone	IsSign
_msdcs.contoso.com	Primary	False	True	False	False
adatum.com	Forwarder	False	False	False	
contoso.com	Primary	False	True	False	False
fabrikam.com	Primary	False	False	False	True
TrustAnchors	Primary	False	True	False	False

You have the following subnets defined on Server1.

Name	IPv4Subnet	IPv6Subnet
Subnet1	(10.0.0.0/24)	
Subnet2	(10.0.1.0/24)	
Subnet3	(192.168.15.0/24)	
Subnet4	(172.16.1.0/24)	

You need to prevent Server1 from resolving queries from DNS clients located on Subnet4. Server1 must resolve queries from all other DNS clients.

Solution: From Windows Firewall with Advanced Security on Server1, you create an inbound rule.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 43
You need to modify the GPO prefix by IPAM. What should you do?

A. Run the **Set-IpamConfiguration** cmdlet

B. Click **Provision the IPAM server** in **Server Manager**

C. Click **Configure server discovery** in **Server Manager**
D. Run the **Invoke-IpamGpoProvisioning** cmdlet

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
You have a server named Server1 that runs Windows Server 2016. Server1 is a Hyper-V host that hosts a virtual machine named VM1. Server1 has three network adapter cards. That connect to a virtual switch named vSwitch1. You configure NIC Teaming on VM1 as shown in the exhibit:
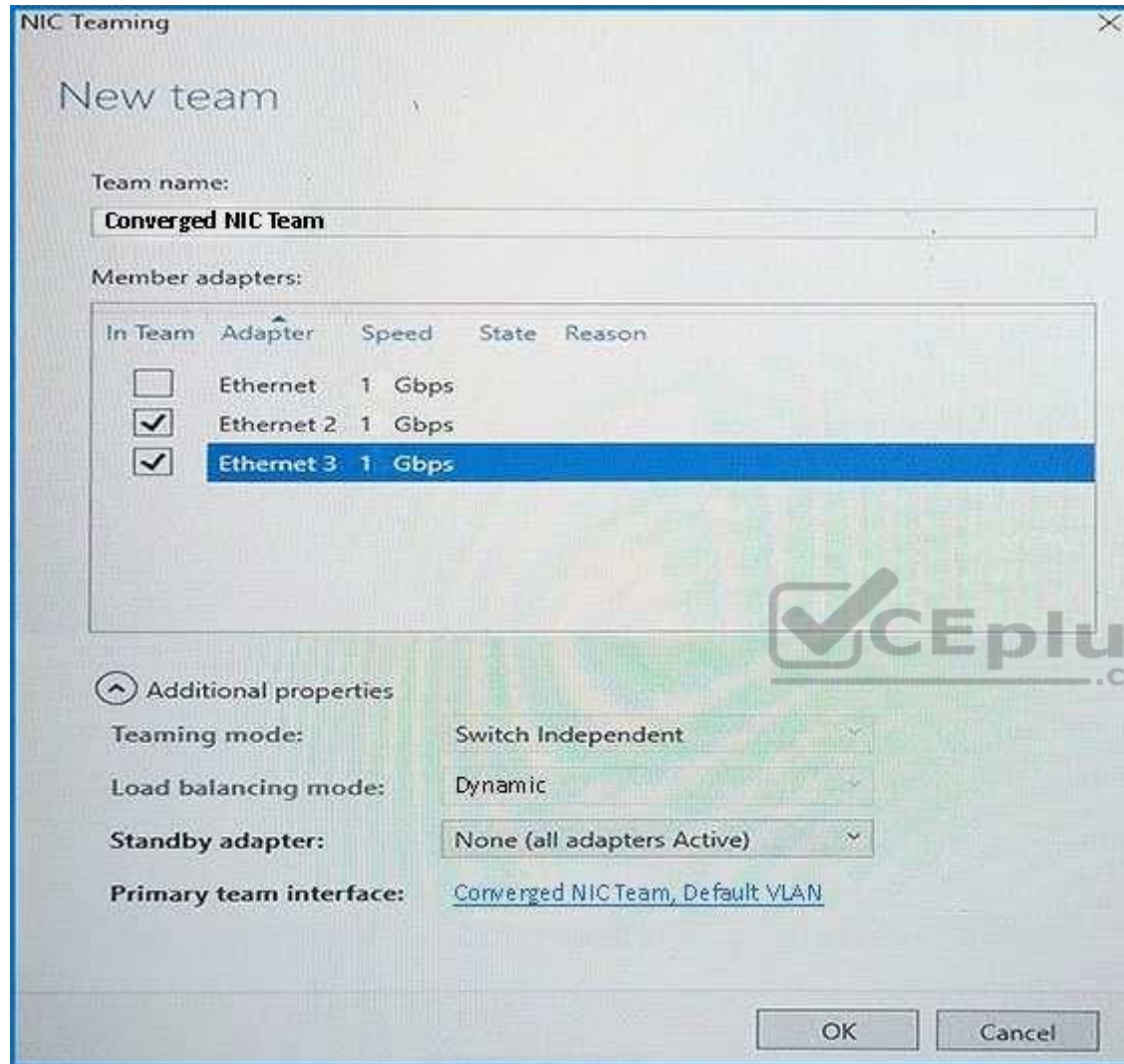
You need to ensure that VM1 will retain access to the network if a physical adapter card fails on Server1. What should you do?

A. From **Hyper-V Manager** on Server1, modify the settings of VM1.

B. From **Windows PowerShell** on Server1, run the **Set-VmSwitch** cmdlet.

C. From the properties of the NIC team on VM1, add the adapter named Ethernet to the NIC team.

D. From the properties of the NIC team on VM1, change the load balancing of the NIC team.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
Note: This question is part of a series of questions that use the same similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have an Active Directory domain that contains two Hyper-V servers named Server1 and Server2. Server1 has Windows Server 2016 installed. Server2 has Windows Server 2012 R2 installed. Each Hyper-V server has three network cards. Each network card is connected to a different subnet. Server1 contains a dedicated migration network. Server2 contains a virtual machine named VM5.

You plan to perform a live migration of VM5 to Server1. You need to ensure that Server1 uses all available networks to perform the live migration of VM5.

What should you run?

A. the **Mount-VHD** cmdlet
B. the **Diskpart** command
C. the **Set-VHD** cmdlet
D. the **Set-VM** cmdlet
E. the **Set-VMHost** cmdlet
F. the **Set-VMProcessor** cmdlet
G. the **Install-WindowsFeature** cmdlet
H. the **Optimize-VHD** cmdlet

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2016.

You plan to use Windows Server Backup to back up all of the data on Server1.

You create a new volume on Server1.

You need to ensure that the new volume can be used as a backup target.

The backup target must support incremental backups.

Solution: You assign a drive letter to the volume, and you format the volume by using ReFS.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
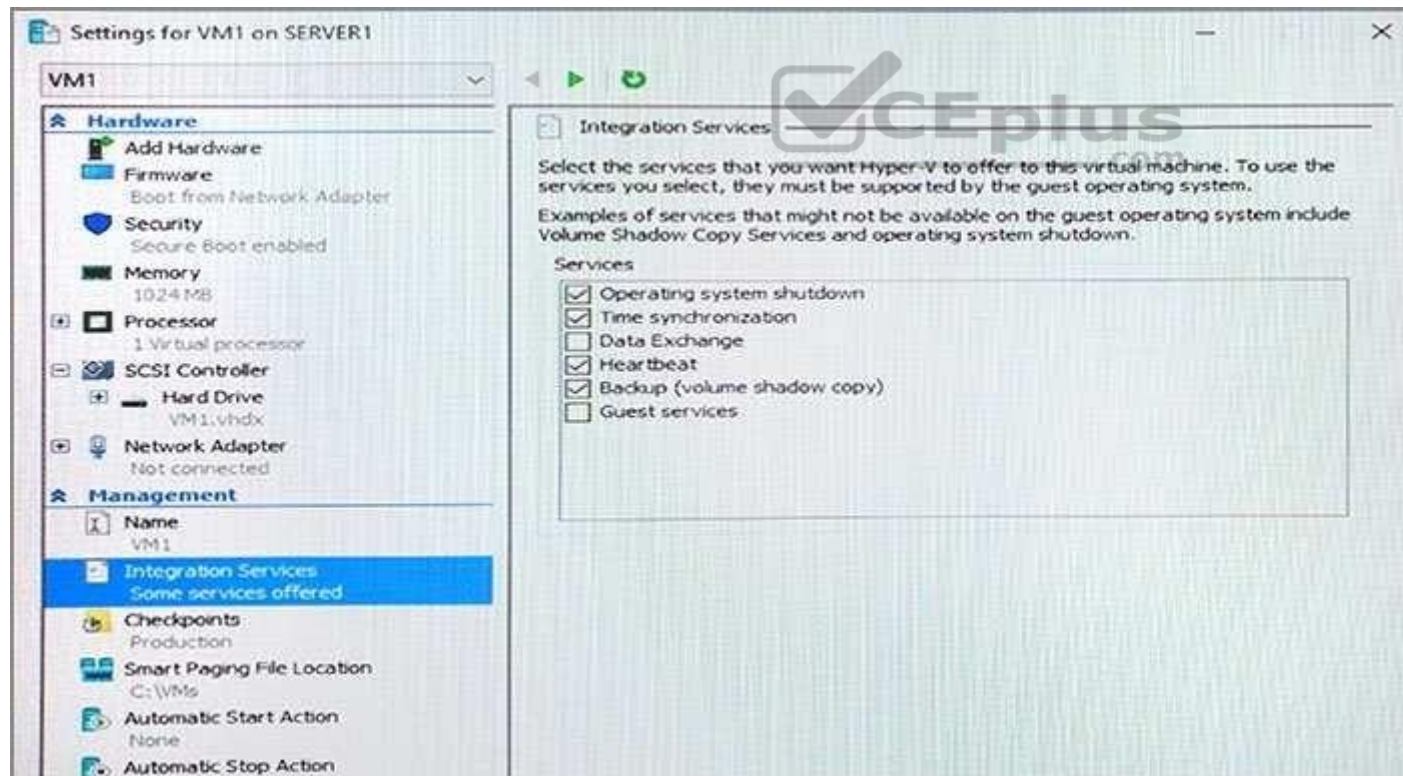**Explanation**

Explanation/Reference:

QUESTION 47
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2016.

Server1 hosts a line-of-business application named App1. App1 has a memory leak that occasionally causes the application to consume an excessive amount of memory.

You need to log an event in the Application event log whenever App1 consumes more than 4 GB of memory.

Solution: You create an event trace data collector.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation
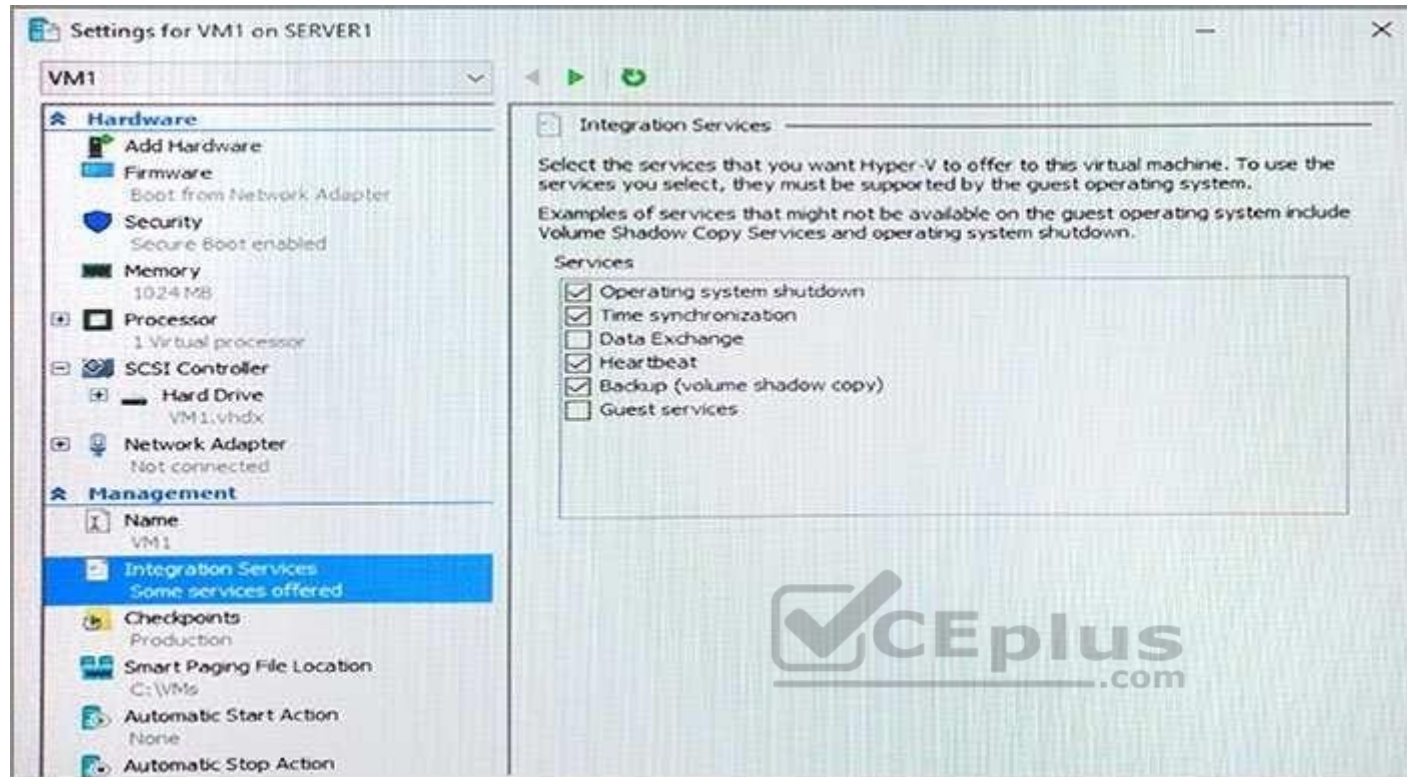
Explanation/Reference:
Explanation:

QUESTION 48
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a Hyper-V host named Server1 that hosts a virtual machine named VM1. Server1 and VM1 run Windows Server 2016.

The settings for VM1 are configured as shown in the exhibit. (Click the Exhibit button.)

You need to ensure that you can use the **Copy-VMFile** cmdlet on Server1 to copy files from VM1.

Solution: You start the Hyper-V Guest Service Interface service on VM1.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
References: https://technet.microsoft.com/en-
us/library/dn798297(v=ws.11).aspx

QUESTION 49
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the
stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
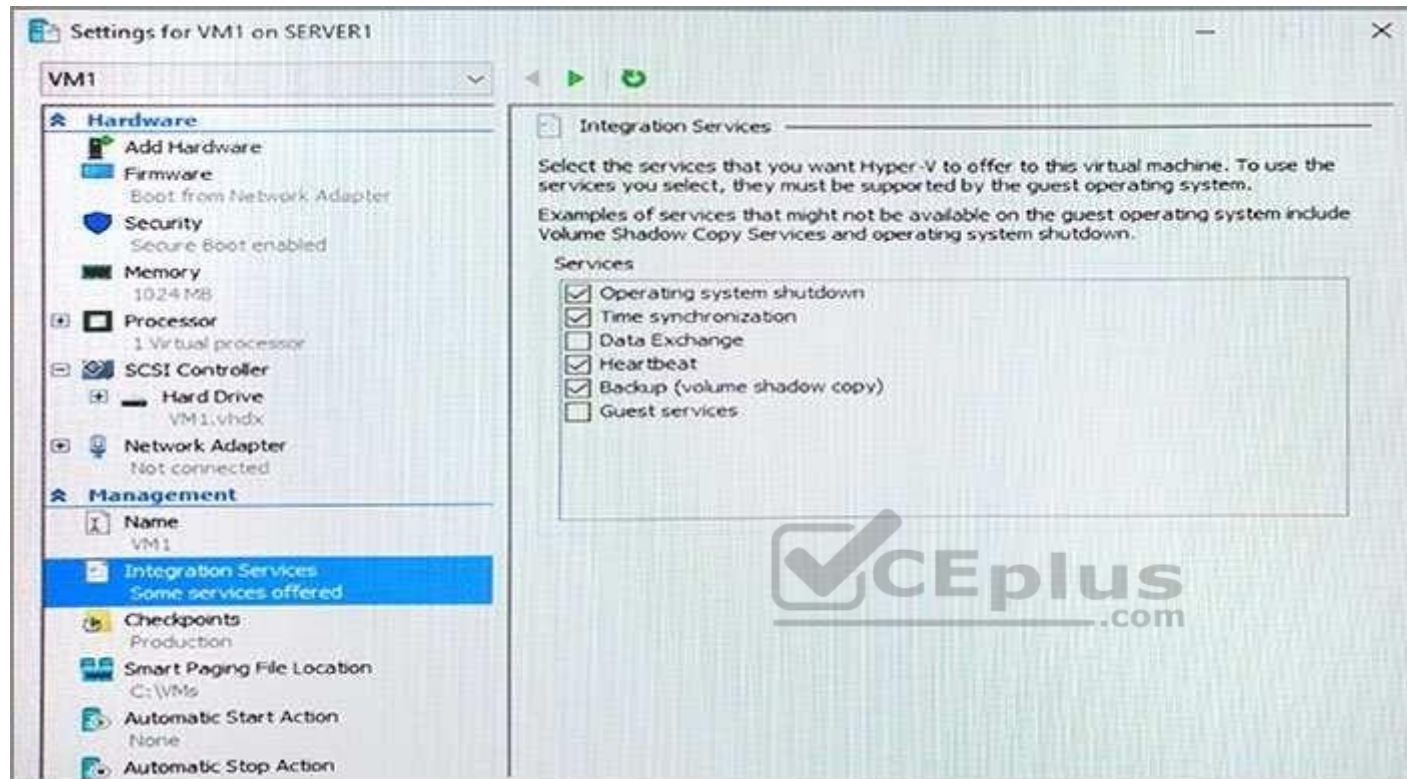
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a Hyper-V host named Server1 that hosts a virtual machine named VM1. Server1 and VM1 run Windows Server 2016.

The settings for VM1 are configured as shown in the exhibit. (Click the Exhibit button.)

You need to ensure that you can use the **Copy-VMFile** cmdlet on Server1 to copy files from VM1.

Solution: You connect VM1 to an internal virtual switch.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a Hyper-V host named Server1 that hosts a virtual machine named VM1. Server1 and VM1 run Windows Server 2016.

The settings for VM1 are configured as shown in the exhibit. (Click the Exhibit button.)

You need to ensure that you can use the **Copy-VMFile** cmdlet on Server1 to copy files from VM1.

Solution: You enable the Data Exchange integration service for VM1.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

Explanation:
References: https://technet.microsoft.com/en-
us/library/dn798297(v=ws.11).aspx

QUESTION 51
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You network contains an Active Directory domain named contoso.com.

You need 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.

Solution: You run the following cmdlet.

```
New-NanoServerImage –Edition Datacenter –DeploymentType Host –Package
Microsoft-NanoServer-SCVMM-Package –MediaPath 'D:\' –TargetPath
C:\Nano1\Nano1.wim –ComputerName Nano1 –DomainName Contoso.com
```

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You network contains an Active Directory domain named contoso.com.

You need 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.

Solution: You run the following cmdlet.

```
New-NanoServerImage -Edition Datacenter -DeploymentType Host -Compute
-MediaPath 'D:\' -TargetPath C:\Nano1\Nano1.wim -ComputerName Nano1
-DomainName Contoso.com
```

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You network contains an Active Directory domain named contoso.com.

You need 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.

Solution: You run the following cmdlet.

New-NanoServerImage –Edition Datacenter –DeploymentType Host –Package Microsoft-NanoServer-Compute-Package -MediaPath 'D:\' –TargetPath C:\Nano1\Nano1.wim –ComputerName Nano1 –DomainName Contoso.com

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation
Explanation/Reference:
Explanation:

QUESTION 54
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Your network contains an Active Directory domain named contoso.com. The functional level of the forest and the domain is Windows Server 2008 R2. All servers in the domain run Windows Server 2016 Standard. The domain contains 300 client computers that run either Windows 8.1 or Windows 10.

The domain contains nine servers that are configured as shown in the following table.

Name	Configuration	Planned changes
Server1	Domain controller	*None*
Server2	File server	Run Failover Clustering and Storage Spaces Direct
Server3	File server	Run Failover Clustering and Storage Spaces Direct
Server4	Hyper-V host	Run shielded virtual machines
Server5	Hyper-V host	*None*
Server6	Member server	Run Active Directory Federation Services (AD FS)
VM1	Virtual machine hosted on Server5	*None*
VM2	Virtual machine hosted on Server5	*None*
VM3	Virtual machine hosted on Server5	*None*

The virtual machines are configured as follows:
▪ Each virtual machine has one virtual network adapter.
▪ VM1 and VM2 are part of a Network Load Balancing (NLB) cluster.
▪ All of the servers on the network can communicate with all of thevirtual machines.

You plan to implement nested virtual machines on VM1.

Which two features will you be prevented from using for VM1?

A. NUMA spanning
B. live migration
C. Dynamic Memory
D. Smart Pathing

Correct Answer: BC

Section: (none)
Explanation

Explanation/Reference:
Explanation:
References:
https://blogs.technet.microsoft.com/virtualization/2015/10/13/windows-insider-preview-nested-virtualization/

QUESTION 55
Note: This question is part of a series of questions that use the same scenario. For your convenience, the scenario is repeated in each question. Each question presents a different goal and answer choices, but the text of the scenario is exactly the same in each question in this series.

Your network contains an Active Directory domain named contoso.com. The functional level of the forest and the domain is Windows Server 2008 R2. All servers in the domain run Windows Server 2016 Standard. The domain contains 300 client computers that run either Windows 8.1 or Windows 10.

The domain contains nine servers that are configured as shown in the following table.

Name	Configuration	Planned changes
Server1	Domain controller	None
Server2	File server	Run Failover Clustering and Storage Spaces Direct
Server3	File server	Run Failover Clustering and Storage Spaces Direct
Server4	Hyper-V host	Run shielded virtual machines
Server5	Hyper-V host	None
Server6	Member server	Run Active Directory Federation Services (AD FS)
VM1	Virtual machine hosted on Server5	None
VM2	Virtual machine hosted on Server5	None
VM3	Virtual machine hosted on Server5	None

The virtual machines are configured as follows:
▪ Each virtual machine has one virtual network adapter.
▪ VM1 and VM2 are part of a Network Load Balancing (NLB) cluster.
▪ All of the servers on the network can communicate with all of the virtual machines.

You create a new NLB cluster that contains VM3.

You need to ensure that VM2 can remain in the original cluster and be added to the new cluster.

What should you do first?

A. Add a new virtual network adapter to VM2.
B. Install the Web Application Proxy server role on VM2 and VM3.
C. Modify the default port rule.
D. Change the cluster operation mode.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
You have a Windows container host named Server1.

On Server1, you create a container named Container1.

You need to mount C:\ContainerFiles from Server1 to Container1.

What should you run?

A. **dockerd --storage-opt dm.mountopt=ContainerFiles**

B. **docker run -it -v c:\ContainerFiles Container1**

C. **dockerd --storage-opt dm.datadev=/c/ContainerFiles**

D. **docker run -it -vc:\ContainerFiles:c:\ContainerFiles Container1**

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
You have a server named Server1 that runs Windows Server 2016. The Docker daemon runs on Server1.

You need to ensure that members of a security group named Docker Administrators can administer Docker.

What should you do?

A. Run the **sc privsc** ommand.
B. Edit the Daemon.json file.
C. Add **Docker Administrators** to the local Administrators group.
D. Edit the Configuration.json file.

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:
Explanation:

QUESTION 58
You have a Hyper-V host that runs Windows Server 2016.

You need to identify the amount of processor resources consumed by Hyper-V and virtual machines.

Which counter should you use from Performance Monitor?

A. \Hyper-V Hypervisor\Logical Processor
B. \Hyper-V Hypervisor Root Virtual Processor(_Total)\% Guest Run Time
C. \Hyper-V Hypervisor Virtual Processor(_Total)\% Hypervisor Run Time
D. \Hyper-V Hypervisor Virtual Processor(_Total)\% Total Run Time
E. \Hyper-V Hypervisor Logical Processor(_Total)\% Total Run Time

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
You have a server named Server1 that runs Windows Server 2016.

The disks on Server1 are configured as shown in the following table.

Volume	Type	File System	Capacity
C:	Attached locally	NTFS	150 GB
D:	Attached locally	exFAT	100 GB
E:	Attached locally	NTFS	20 GB
F:	Attached locally	ReFS	1 TB
G:	iSCSI LUN	NTFS	2 TB

Windows Server 2016 is installed in C:\Windows.

On which two volumes can you enable data deduplication? Each correct answer presents a complete solution.

A. C:
B. D:
C. E:D. F:
E. G:

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
You have two servers named Server1 and Server2 that run Windows Server 2016.

Server1 contains a volume named Volume1.

You implement a Storage Replica that replicates the contents of Volume1 from Server1 to Server2.

Server1 fails.

From Server2, you need to ensure that you can access the contents of Volume1.

What should you run?

A. **Update-StoragePool**
B. **Set-SRPartnership**

C. **vssadmin revert
shadow**

D. **Clear-FileStorageTier**

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
References: https://docs.microsoft.com/en-us/windows-server/storage/storage-replica/server-to-server-storage-
replication

QUESTION 61
You have a Windows Server 2016 failover cluster named Cluster1 that contains three nodes named Server1, Server2, and Server3. Each node hosts several virtual machines. The virtual machines are configured to fail over to another node in Cluster1 if the hosting node fails.

You need to ensure that if the Cluster service fails on one of the nodes, the virtual machine of that node will fail over immediately.

Which setting should you configure?

A. **FailureConditionLevel**

B. **QuarantineDuration**

C. **ResiliencyPeriod**

D. **ResiliencyLevel**

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:
References: https://blogs.msdn.microsoft.com/clustering/2015/06/03/virtual-machine-compute-resiliency-in-windows-server-
2016/

QUESTION 62
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 has a virtual machine that uses a virtual hard disk (VHD) named disk1.vhdx.

You receive the following warning message from Event Viewer: "One or more virtual hard disks have a physical sector size that is smaller than the physical

sector size of the storage on which the virtual hard disk file is located." You need to resolve the problem that causes the warning message.

What should you run?

A. the **Mount-VHD** cmdlet
B. the **Diskpart** command
C. the **Set-VHD** cmdlet
D. the **Set-VM** cmdlet
E. the **Set-VMHost** cmdlet
F. the **Set-VMProcessor** cmdlet
G. the **Install-WindowsFeature** cmdlet
H. the **Optimize-VHD** cmdlet

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
References: https://technet.microsoft.com/en-
us/library/hh848561(v=wps.630).aspx

QUESTION 63
You deploy two servers that run Windows Server 2016.

You install the Failover Clustering feature on both servers.

You need to create a workgroup cluster.

What should you do?

A. Configure both of the server to be in a workgroup named Workgroup. Configure the Cluster Service to log on as Network Service. Run the **New-Cluster** cmdlet and specify an administrative access point of **None**.
B. Create matching local administrative accounts on both of the servers. Assign the same primary DNS suffix to both of the servers. Run the **New-Cluster** cmdlet and specify an administrative access point of **DNS**.

C. Configure both of the server to be in a workgroup named Workgroup. Configure the Cluster Service to log on as Network Service. Run the **New-Cluster** cmdlet and specify an administrative access point of **DNS**.
D. Create matching local administrative accounts on both of the servers. Assign the same primary DNS suffix to both of the servers. Run the **New-Cluster** cmdlet and specify an administrative access point of **None**

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

References: https://rlevchenko.com/2015/09/07/workgroup-and-multi-domain-clusters-in-windows-server-2016/

QUESTION 64
You have two Hyper-V hosts named Server1 and Server2 that run Windows Server 2016. The hosts are nodes in failover cluster.

You have a virtual machine named VM1. VM1 connects to a virtual switch named vSwitch1.

You discover that VM1 automatically live migrates when vSwitch temporarily disconnects.

You need to prevent VM1 from being live migrated when vSwitch1 temporarily disconnects.

What should you do?

A. Run the **Set-VMNetworkAdapter** cmdlet and set StormLimit to **0**.
B. From the network adapter setting of VM1, disable the Heartbeat integration service.
C. Run the **Set-VMNetworkAdapter** cmdlet and set IsManagementOS to **False**.
D. From the network adapter setting of VM1, disable the Protected network setting.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
You have a container host named Server1 that runs Windows Server 2016.

You need to start a Hyper-V container on Server1.

Which parameter should you use with the **docker run** command?

A. *--isolation*

B. *--expose*

C. *--runtime*

D. *--entrypoint*

E. *--privileged*

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
You have three Hyper-V hosts named Server1, Server2, and Server3 that run Windows Server 2016. The servers are nodes in a failover cluster.

The failover cluster contains two virtual machines named VM1 and VM2. The roles for VM1 and VM2 have the following configurations.

```
PS C:\> Get-ClusterGroup vml,vm2 | fl *

AntiAffinityClassNames   : {}
AutoFailbackType         : 0
ColdStartSetting         : 0
Cluster                  : Cluster1
DefaultOwner             : 1
Description              :
GroupType                : VirtualMachine
FailoverPeriod           : 6
FailoverThreshold        : 4294967295
FailbackWindowEnd        : 4294967295
FailbackWindowStart      : 4294967295
IsCoreGroup              : False
Name                     : vml
OwnerNode                : Server1
PersistentState          : 1
PreferredSite            : {}
Priority                 : 0
ReliliencyPeriod         : 429467295
State                    : Online
StatusInformation        : 0
Id                       : d02c87d1-8a1c-4ffb-b87d-adf059416f25

AntiAffinityClassNames   : {}
AutoFailbackType         : 0
ColdStartSetting         : 0
Cluster                  : Cluster1
DefaultOwner             : 1
Description              :
GroupType                : VirtualMachine
FailoverPeriod           : 6
FailoverThreshold        : 4294967295
FailbackWindowEnd        : 4294967295
FailbackWindowStart      : 4294967295
IsCoreGroup              : False
Name                     : vm2
OwnerNode                : Server1
PersistentState          : 1
PreferredSite            : {}
Priority                 : 3000
ResiliencyPeriod         : 4294967295
State                    : Online
StatusInformation        : 0
Id                       : ab38e657-bfcf-463d-a88b-d4e99aff4ef1
```

All of the nodes in the failover cluster have sufficient resources to run VM1 and VM2 concurrently.

VM1 and VM2 fail over to Server3.

What is the state of each virtual machine after the failover?

A. Both VM1 and VM2 are stopped.
B. Both VM1 and VM2are running.
C. VM1 is stopped and VM2 is running.
D. VM1 is stopped and VM2 is paused.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:
References: https://msdn.microsoft.com/en-
us/library/jj151956(v=vs.85).aspx

QUESTION 67
Your network contains an Active Directory domain named contoso.com. The domain contains two servers named Server1 and Server2 that run Windows Server 2016.

Each server has an operating system disk and four data disks. All of the disks are locally attached SATA disks. Each disk is a basic disk, is initialized as an MBR disk, and has a single NTFS volume.

You plan to implement Storage Spaces Direct by using the data disks on Server1 and Server2.

You need to prepare the data disks for the Storage Spaces Direct implementation.

What should you do?

A. Format the volumes on the data disks as exFAT.
B. Initialize the data disks as GPT disks and create an ReFS volume on each disk.
C. Convert the data disks to dynamic disks.
D. Delete the volumes from the data disks.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
Your network contains a new Active Directory domain named contoso.com.

You have a security policy that states that new servers should run Nano Server whenever possible.

Which server role can be deployed on a Nano Server?

A. **Active Directory Certificate Services**
B. **DHCP Server**
C. **Remote Desktop Services**
D. **DNSServer**

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
You have an Active Directory domain named contoso.com.

The computers in contoso.com are installed by using Windows Deployment Services.

You have a server named Server1 that runs Windows Server 2016 and is a member of contoso.com. Server1 has the Hyper-V role installed. Virtual machines on Server1 are connected to an external switch named Switch1.

You create a virtual machine named VM1 on Server1 by running the following cmdlets.

```
Add-VM VM1
Add-VMHardDiskDrive -VMName VM1 -ControllerType IDE -Path c:\VMs\Disk1.vhd
Add-VMNetworkAdapter -VMName VM1
```

You need to ensure that you can install the operating system on VM1 by using Windows Deployment Services.

What should you do?

A. Modify the *DefaultFlowMinimumBandwidthWeight* parameter of Switch1.
B. Add a SCSI controller to VM1.

C. Add a legacy network adapter to VM1.

D. Modify the *SwitchType* parameter of Switch1.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your network contains an Active Directory forest.

You install Windows Server 2016 on 10 virtual machines.

You need to deploy the Web Server (IIS) server role identically to the virtual machines.

Solution: From Windows System Image Manager, you create an answer file, you copy the file to C:\Sysprep on each virtual machine, and then you run the ApplyImage cmdlet.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:

QUESTION 71
You have a server named Server1 that runs Windows Server 2016.

On Server1, you use the Basic template to create a new Data Collector Set named CollectorSet1.

You need to configure CollectorSet1 to generate performance alerts.

What should you do before you start CollectorSet1?

A. Modify the performance counter data collector of CollectorSet1.
B. Add a new data collector to CollertorSet1.
C. Modify the configuration data collector of CollectorSet1.
D. Add a new task to CollectorSet1.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
We need to add performance counter alert data collector to the set.

QUESTION 72
You plan to install a Nano Server on a physical server named Nano1. Nano1 will host several virtual machines that will use live migration.

Which package should you install on Nano1?

A. **Microsoft-NanoServer-SecureStartup-Package**
B. **Microsoft-NanoServer-ShieldedVM-Package**
C. **Microsoft-NanoServer-Compute-Package**
D. **Microsoft-NanoServer-FailoverCluster-Package**
E. **Microsoft-NanoServer-Storage –Package**

Correct Answer: C
Section: (none)
Explanation
Explanation/Reference:

QUESTION 73
You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 hosts a virtual machine named VM1 that runs Windows Server 2016.

You install the Hyper-V server role on VM1.

You need to ensure that the virtual machines hosted on VM1 can communicate with the virtual machines hosted on Server1.

What should you do?

A. On Server1, run the **Set-VmNetworkAdapterIsolation** cmdlet and specify the *–MultiTenantStack Off* parameter.

B. On VM1, run the **Set-VMNetworkAdapter** cmdlet and specify the *–MacAddressSpoofing Off* parameter.

C. On VM1, run the **Set-VmNetworkAdapterIsolation** cmdlet and specify the *–MultiTenantStack On* parameter.

D. On Server1, run the **Set-VMNetworkAdapter** cmdlet and specify the *–MacAddressSpoofing On* parameter.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 74
You have two servers that run Windows Server 2016. The servers are configured as shown in the following table.

Server name	Workgroup	DNS suffix
Server1	Workgroup1	*None*
Server2	Workgroup2	Contoso.com

You need to create a failover cluster that contains both servers.

Which two commands should you run? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. **wmic ComputerSystem Set Workgroup= "Workgroup2"**

B. **New-Cluster-Name Cluster1- Node Server1, Server2- AdministrativeAccessPoint DNS**

C. **New-Cluster-Name Cluster1- Node Server1, Server2- AdministrativeAccessPoint ActiveDirectoryAndDns**

D. **New-Cluster-Name Cluster1- Node Server1, Server2- AdministrativeAccessPoint None**

E. **netdom computername Server1/MakePrimary:server1.contoso.com**

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
You have two servers named Server1 and Server 2 that run Windows Server 2016.
You plan to implement Storage Replica to replicate the contents of volumes on Server1 and Server2.
You need to ensure that the replication traffic between the servers is limited to a maximum of 100 Mbps.
Which cmdlet should you run?

A. **Set-NetworkController**

B. **Set-NetUDPSetting**

C. **Set-NetQosPolicy**

D. **Set- NetTCPSetting**

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://technet.microsoft.com/en-us/library/hh967471(v=wps.630).aspx

QUESTION 76
You have a server named Server1 that runs Windows Server 2016. Server1 has the Containers feature installed.
You create a text file that contains the commands that will be used to automate the creation of new
containers. You need to ensure that the commands in the text file are used when you create new containers.
What should you name the file?

A. Bootstrap.ini

B. Config.ini

C. Dockerfile

D. Unattend.txt

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
https://www.digitalocean.com/community/tutorials/docker-explained-using-dockerfiles-to-automate-building-of-images

QUESTION 77
You have Hyper-V virtual machines that run 50 web servers, 10 Microsoft SQL Server servers, 10 files servers, and eight domain controllers.

You need to implement a backup strategy that meets the following requirements:
▪ Backs up all servers
▪ Centralizes application-level backups
▪ Performs application-level backups
▪ Provides the ability to perform bare metal recovery

What should you use?

A. Microsoft Azure VM Backup
B. Microsoft Azure Backup Agent
C. Windows Server Backup
D. Microsoft Azure Backup Server

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/azure/backup/backup-introduction-to-azure-backup

QUESTION 78
You create a Storage Spaces Direct hyper-converged failover cluster. The cluster contains three nodes and a 1-TB Storage Spaces Direct volume.

The cluster will store virtual machines.

You plan to extend the volume by adding an additional 3 TB.

What is the minimum amount of extra disk capacity required to accommodate extending the volume?

A. 3TB on the coordinator node
B. 3 TB per node
C. 4 TB per node

D. 4 TB on the coordinator node

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/drive-symmetry-considerations

QUESTION 79
You have a Hyper-V failover cluster that contains three nodes. Virtual machines are distributed evenly across the cluster nodes.

You need to ensure that if a node loses connectivity from the other nodes, the virtual machines on the node will be transitioned to one of the remaining nodes after one minute.

Which settings should you modify?

A. **QuaranteneDuration** and **QuarantineThreshold**
B. **SameSubnetDelay** and **CrossSubnetDelay**
C. **QuorumArbitrationTimeMax** and **RequestReplyTimeout**
D. **ResiliencyPeriod** and **ResiliencyLevel**

Correct Answer: D
Section: (none)
**Explanation**

Explanation/Reference:
References: https://blogs.msdn.microsoft.com/clustering/2015/06/03/virtual-machine-compute-resiliency-in-windows-server-2016/

QUESTION 80
You have a server named Server1 that runs Windows Server 2016. Server1 is a Hyper-V host that hosts a virtual machine named VM1.

Server1 has three network adapter cards that are connected to virtual switches named vSwitch1, vSwitch2 and vSwitch3.

You configure NIC Teaming on VM1 as shown in the exhibit.
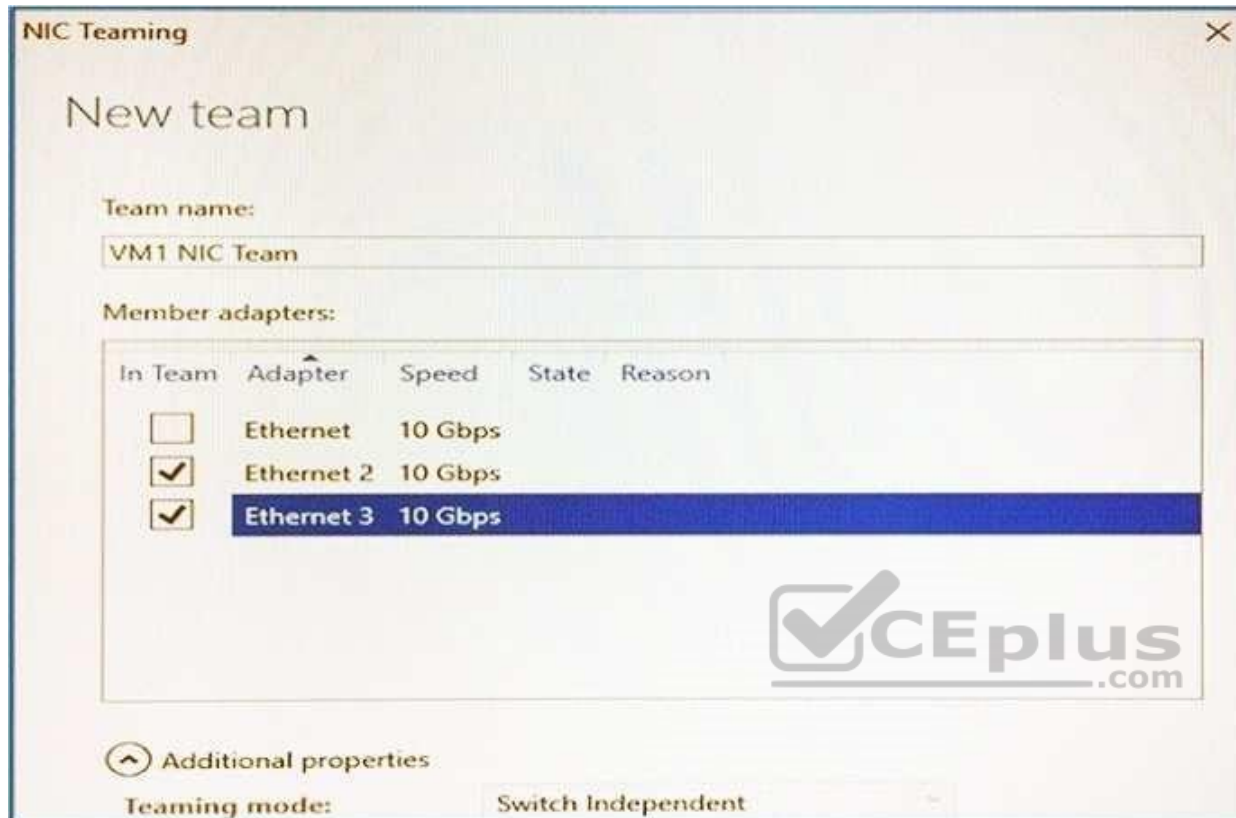
You need to ensure that VM1 will retain access to the network if a physical adapter card fails on Server1. What should you do?

A. From Hyper-V Manager on Server1, modify the settings of VM1.
B. From Windows PowerShell on Server1, run the **Set-VmSwitch** cmdlet.

C. From the properties of the NIC team on VM1, add the adapter named Ethernet to the NIC team.
D. From the properties of the NIC team on VM1, change the load balancing of the NIC team.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 81
You have a Nano Server that runs Windows Server 2016. The Nano Server runs on a physical machine.

You have not installed any packages on the server.

You attach a new disk to the server, and you initialize the disk as a GPT disk.

You need to create a ReFS-formatted volume on the new disk.

What should you do first?

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.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After your answer a question in this section, you will NOT be able to return to it.
As a result, these questions will not appear in the review screen.
You have a server named Server1 that runs Windows Server 2016.

You plan to use Windows Server Backup to back up all of the data on Server1.

You create a new volume on Server1.

You need to ensure that the new volume can be used as a backup target.

The backup target must support incremental backups.

Solution: You mount the volume to C:\Backup, and you format the volume by using NTFS.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 83
You create a Nano server image named Nano1.vhdx by using the **New-NanoServerImage** cmdlet.

You attach Nano1.vhdx to a Generation 1 virtual machine named Nano1.

When you start Nano1, you get the following error message:

"Boot failure. Reboot and select proper Boot device or Insert Boot Media in selected Boot device"

You need to successfully start Nano server.

What should you do?

A. Attach Nano1.vhdx to a SCSIcontroller.
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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
A Generation 1 VM cannot boot from a vhdx disk; only a Generation 2 VM can boot from a vhdx disk.

QUESTION 84
You have two servers named Server1 and Server2 that run Windows Server 2016.

You plan to implement Storage Replica to replicate the contents of volumes on Server1 to Server2.

You need to ensure that the replication traffic between the servers is limited to a maximum of 100 Mbps.

Which cmdlet should you run?

A. **Set-NetUDPSetting**
B. **New-StorageQosPolicy**
C. **Set-SmbBandwidthLimit**
D. **Set-NetTCPSetting**

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
Note: This question is part of a series of questions that use the same or similar answer choices. An answer choice may be correct for more than one question in the series. Each question is independent of the other questions in this series. Information and details provided in a question apply only to that question.

You have two servers named Server1 and Server2 that run Windows Server 2016. Server1 and Server2 have the Hyper-V server role installed and are nodes in a failover cluster.

On Server1, an administrator creates a virtual machine named VM1.

You need to configure VM1 for high availability.

Which tool should you use?

A. the **clussvc.exe** command
B. the **cluster.exe** command
C. the Computer Management snap-in
D. the **configurehyperv.exe** command
E. the Disk Management snap-in
F. the Failover Cluster Manager snap-in
G. the Hyper-V Manager snap-in
H. the Server Manager app

Correct Answer: F
Section: (none)
Explanation

Explanation/Reference: Explanation: http://windowsitpro.com/hyper-v/make-

vm-highly-available-windows-server-2012

QUESTION 86
You have a server named Server1 that runs Windows Server 2016.

Server1 has four SCSI disks and a storage pool named Pool1 that contains three disks.

You create a virtual disk named Disk 1 that uses a mirrored layout.

You create a partition named Partition1 that uses all of the available space on Disk 1.

You need to extend Partition1.

What should you do first?

A. From Windows PowerShell, run the **Resize-VirtualDisk** cmdlet.
B. From Windows PowerShell, run the **Resize-StorageTier** cmdlet.
C. From Windows PowerShell, run the **Expand-IscsiVirtualDisk** cmdlet.

D. From Disk Management, modify the properties of Partition1.
E. From Disk Management, extend a volume.
F. From Windows PowerShell, run the **Resize-Partition** cmdlet.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 87
You have a Hyper-V host named Server1 that runs Windows Server 2016.

The host has two virtual machines (VMs) named VM1 and VM2.

On the Hyper-V host, you create two virtual disks named Disk1 and Disk2.

You plan to create a test environment for Storage Spaces Direct.

You need to configure the VMs to connect to the virtual disks.

What should you use?

A. An iSCSI target
B. A virtual SCSI controller
C. A virtual fibre channel adapter
D. A virtual IDE controller

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
References: https://blogs.msdn.microsoft.com/clustering/2015/05/27/testing-storage-spaces-direct-using-windows-server-2016-virtual-machines/

QUESTION 88
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After your answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your network contains an Active Directory forest named contoso.com.

You need to identify which server is the schema master.

Solution: From a command prompt, you run **netdom query fsmo**.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://blogs.technet.microsoft.com/mempson/2007/11/08/how-to-find-out-who-has-your-fsmo-roles/

QUESTION 89
You have two servers named Server1 and Server2.

A firewall exists between Server1 and Server2.

Both servers run Windows Server Update Services (WSUS).

Server1 downloads updates from Microsoft update.

Server2 must synchronize updates from Server1.

Which port should to open on the firewall?

A. 80
B. 443
C. 3389
D. 8530

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 90
You have two servers named Server1 and Server2 that run Windows Server 2016.

You plan to implement Storage Replica to replicate the contents of volumes on Server1 to Server2.

You need to ensure that the replication traffic between the servers is limited to a maximum of 100 Mbps.

Which cmdlet should you run?

A. **New-NetQosPolicy**
B. **Set-NetworkController**
C. **New-
   NetTransportFilter**
D. **New-StorageQosPolicy**
E. **Set-NetTCPSetting**
F. **Set-NetUDPSetting**

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/powershell/module/netqos/new-netqospolicy?view=win10-ps

QUESTION 91
You have a server named Server1 that runs Windows Server 2016.

You need to configure Server1 as a Web Application Proxy.

Which server role or role service should you install on Server1?

A. Web Server (IIS)
B. Network Policy and Access ServicesC. Direct Access and VPN (RAS)
D. Active Directory Federation Services
E. Remote Access

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92
Your network contains an Active Directory domain. The domain contains a new file server named Server1 that runs a Server Core installation of Windows Server 2016.

Server1 has an ReFS-formatted volume D: and NTFS-formatted volume E:.

The volumes do not contain any data.

You install the Data Deduplication role service on Server1.

You need to implement Data Deduplication for volumes on D: and E:.

Solution: From Windows PowerShell, you run **Enable-DeDupVolume-Volume D:,E:**.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:

QUESTION 93
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your network contains an Active Directory forest named contoso.com.

You need to identify which server is the schema master.

Solution: You open Active Directory Users and Computers, right-click contoso.com in the console tree, and then click Operations Master.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
This solution only shows the domain FSMO roles, not the forest FSMO roles.

References: https://blogs.technet.microsoft.com/mempson/2007/11/08/how-to-find-out-who-has-your-fsmo-roles/

QUESTION 94
You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 hosts a virtual machine named VM1. VM1 is in a workgroup. VM1 is currently in a running state.

You need to create 10 copies of VM1 on Server1 in the least amount of time possible.

Which cmdlets should you use?

A. **Stop-VM**, and then **Import-VM**
B. **Export-VM**, and then **Import-VM**
C. **Checkpoint-VM**, and then **New-VM**
D. **Copy-VMFile**, and then **New-VM**

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
You have two Hyper-V hosts named Server1 and Server2 that run Windows Server 2016.

Server1 and Server2 are connected to the same network.

On Server1 and Server2, you create an external network switch named Switch1.

You have the virtual machines shown in the following table.

Virtual machine name	IP address	Subnet mask	Hyper-V host
VM1	192.168.1.16	255.255.255.0	Server1
VM2	192.168.1.32	255.255.255.0	Server2
VM3	192.168.1.48	255.255.255.0	Server2

All three virtual machines are connected to Switch1.

You need to prevent applications in VM3 from being able to capture network traffic from VM1 or VM2. The solution must ensure that VM1 retains network connectivity.

What should you do?

A. On Server2, configure the VLAN ID setting of Switch1.
B. On Server2, create an external switch and connect VM3 to the switch.
C. Modify the subnet mask of VM1 and VM2.
D. Configure network virtualization for VM1 and VM2.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 96
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2016.

You plan to use Windows Server Backup to back up all of the data on Server1.

You create a new volume on Server1.

You need to ensure that the new volume can be used as a backup target.

The backup target must support incremental backups.

Solution: You mount the volume to C:\Backup, and you format the volume by using exFAT.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 97
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2016.

You plan to use Windows Server Backup to back up all of the data on Server1.

You create a new volume on Server1.

You need to ensure that the new volume can be used as a backup target.

The backup target must support incremental backups.

Solution: You mount the volume to C:\Backup, and you format the volume by using FAT32.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 98
Your network contains an Active Directory domain. The domain contains a new file server named Server1 that runs a Server Core installation of Windows Server 2016.

Server1 has an ReFS-formatted volume D: and NTFS-formatted volume E: The volumes do not contain any data.

You install the Data Deduplication role service on Server1.

You need to implement Data Deduplication for volumes on D: and E:.

Solution: From Windows PowerShell, you run **Format-Volume E: -FileSystem ReFS** and **Enable-DeDupVolume -Volume D:,E:**.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 99
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Exchange Server 2016 organization.

Some users access the mailbox on their mobile device by using Exchange ActiveSync.

You need to prevent the users from synchronizing more than one month of email or calendar data to their device.

Solution: You deploy an Allow/Block/Quarantine policy.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 100
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You network contains an Active Directory domain named contoso.com.

You need 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.

Solution: You run the following cmdlet.

```
New-NanoServerImage -Edition Datacenter -DeploymentType Host
-Defender EnableEMS -MediaPath 'D:\' -TargetPath
C:\Nano1\Nano1.wim -ComputerName Nano1 -DomainName Contoso.com
```

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 101
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You network contains an Active Directory forest named contoso.com. The forest contains a child domain named eu.contoso.com.

You plan to implement live migration between two Hyper-V hosts that run Windows Server 2016. The hosts are configured as shown in the following table.

Host name	Configuration
Host1	• Is a member of the contoso.com domain • Uses an Intel Xeon processor released in 2012 • Has an external virtual switch named Switch1 • Hosts a virtual machine named VM1 that connects to Switch1
Host2	• Is a member of the eu.contoso.com domain • Uses an Intel Xeon processor released in 2016 • Has an external virtual switch named Switch1

You need to ensure that you can perform a live migration of VM1 from Host1 to Host2.

Solution: On Host1 and Host2, you create a private switch named Priv1, and then you connect VM1 to Priv1.

Does meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 102
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You network contains an Active Directory forest named contoso.com. The forest contains a child domain named eu.contoso.com.

You plan to implement live migration between two Hyper-V hosts that run Windows Server 2016. The hosts are configured as shown in the following table.

Host name	Configuration
Host1	• Is a member of the contoso.com domain • Uses an Intel Xeon processor released in 2012 • Has an external virtual switch named Switch1 • Hosts a virtual machine named VM1 that connects to Switch1
Host2	• Is a member of the eu.contoso.com domain • Uses an Intel Xeon processor released in 2016 • Has an external virtual switch named Switch1

You need to ensure that you can perform a live migration of VM1 from Host1 to Host2.

Solution: You move Host2 to the contoso.com domain.

Does meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 103
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You network contains an Active Directory forest named contoso.com. The forest contains a child domain named eu.contoso.com.

You plan to implement live migration between two Hyper-V hosts that run Windows Server 2016. The hosts are configured as shown in the following table.

Host name	Configuration
Host1	• Is a member of the contoso.com domain • Uses an Intel Xeon processor released in 2012 • Has an external virtual switch named Switch1 • Hosts a virtual machine named VM1 that connects to Switch1
Host2	• Is a member of the eu.contoso.com domain • Uses an Intel Xeon processor released in 2016 • Has an external virtual switch named Switch1

You need to ensure that you can perform a live migration of VM1 from Host1 to Host2.

Solution: You shut down VM1, configure the processor compatibility settings, and then start VM1.

Does meet the goal?

A. Yes
B. No

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 104

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a server named Server1 that runs Windows Server 2016.

You plan to use Windows Server Backup to back up all of the data on Server1.

You create a new volume on Server1.

You need to ensure that the new volume can be used as a backup target.

The backup target must support incremental backups.

Solution: You assign a drive letter to the volume, and you format the volume by using exFAT.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 105
Your network contains an Active Directory domain named contoso.com. The domain contains a Hyper-V host named Server1 that runs Windows Server 2016.

Server1 hosts four virtual machines that are members of the domain. The virtual machines are configured as shown in the following table.

Virtual machine name	Operating system	Virtual machine generation	Type of VHD file
VM1	Windows 10	2	VHD
VM2	Windows Server 2016	2	VHD
VM3	Windows Server 2012 R2	2	VHDx
VM4	Windows Server 2016	1	VHDx

Which virtual machines can you manage by using PowerShell Direct?

A. VM1, VM2, and VM3
B. VM1, VM2, and VM4
C. only VM2
D. only VM4

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
To use PowerShell Direct, the host operating system must run at least Windows 10 or Windows Server 2016.

References: https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/manage/manage-windows-virtual-machines-with-powershell-direct#whatsrequired-to-use-powershell-direct

QUESTION 106
You have two Hyper-V hosts named Server1 and Server2 that run Windows Server 2016. The hosts are nodes in failover cluster.

A highly available virtual machine named VM1 is running on Server1.

You need to move VM1 to Server2 while minimizing downtime.

What should you do?

A. From Windows PowerShell, run **Move-ClusterGroup**
B. From Hyper-V Manager, use the **Move** action.
C. From Failover Cluster Manager, use the **Move Virtual Machine Storage** option.
D. From Windows PowerShell, run **Move-VM**.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
QUESTION 107
You have two Hyper-V hosts named Server1 and Server2 that run Windows Server 2016. Server1 hosts a virtual machine named VM1 that is in a Running state.

On Server1, you export VM1 and then you import VM1 on Server2.

What is the current state of VM1 on Server2?

A. Paused
B. Off
C. Saved
D. Running

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://blog.workinghardinit.work/2016/06/16/live-export-a-running-virtual-machine-or-a-checkpoint/

QUESTION 108
You have a file server named Server1 that runs Windows Server 2016.

Object access auditing is configured on Server1.

You need to filter the Security event log to show all log entries that relate to a user named User1.

What should you do?

A. Right-click the **Security** log, and then click **Filter Current Log…** On the Filter tab, type a value in the User box.
B. Right-click the **Security** log, and then click **Filter Current Log…** On the Filter tab, select a value from the Event sources box.
C. Right-click the **Security** log, and then click **Create Custom View…** On the Filter tab, type a value in the User box.
D. Right-click the **Security** log, and then click **Filter Current Log…** On the XML tab, modify the QueryList entry and set an EventData tag.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:
Right clicking the event log name and selecting the "Filter Current Log" will display various options for filtering the event log.

These options are:
▪ Time logged: There are pre-canned filters for the last hour, last 12 hours, last 24 hours, last week and last 30 days. Additionally you can specify a custom range.
▪ Event level: Choose to show only events that match the specified level critical, warning etc. ▪
Event Source: Select to only see events from MSI Installer, DHCP client etc.
▪ EventID: Specify the event ID.
▪ Keywords: Specify filters based on Audit Failure, Audit success

▪ User
▪ Computer(s)

References: https://blogs.technet.microsoft.com/rmilne/2014/08/06/quick-tip-event-viewer-filtering/

QUESTION 109
You have a server named Server1 that runs Windows Server 2016.

The server has an application named App1. App1 writes entries to the Application event log when errors are encountered. The events have IDs of either 111 or 112.

You need to restart the service whenever either of these events is logged.

What should you do?

A. From Windows PowerShell, run the **Write-EventLog** cmdlet and specify the-*EventID* parameter and the -*Source* parameter.
B. From Event Viewer, create a custom view that has a filter for the event IDs.
C. From Event Viewer, create a subscription that has a filter for the event IDs.
D. From Task Scheduler, use **Create Task** to create one task that includes triggers for both event IDs.
E. From Windows PowerShell, run the **Get-SMServerEvent** cmdlet and pipe the output to the **Start-NetEventSession** cmdlet.
F. From Performance Monitor, add an Event Trace Session data collector that uses the Microsoft-Windows-Eventlog provider.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 110
You have a Hyper-V host named Server1 that runs Windows Server 2016. Server1 has ab external virtual switch named Switch1. Server1 hosts a virtual machine named VM1 that runs Windows Server 2016. VM1 has one network adapter. The network adapter connects to Switch1.

You need to limit the maximum network bandwidth available to VM1 to 100 Mbps. The solution must limit the bandwidth for VM1 only.

Which cmdlet should you run?

A. **Set-NetAdapter**
B. **Set-VMNetworkAdapter**
C. **Set-VM**

D. **Set-NetAdapterVmq**

E. **Set-NetworkSwitchPortPro
perty**

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
The Set-VMNetworkAdapterVlan cmdlet configures virtual LAN settings for the traffic through a virtual network adapter.

Incorrect Answers:
A: The Set-NetAdapter cmdlet sets the basic properties of a network adapter such as virtual LAN (VLAN) identifier (ID) and MAC address.
C: The Set-VM cmdlet configures a virtual machine.
D: The Set-NetAdapterVmq cmdlet sets the virtual machine queue (VMQ) properties of a network adapter. VMQ is a scaling networking technology for Hyper-V switch that improves network throughput by distributing processing of network traffic for multiple virtual machines among multiple processors.

References:
http://www.itprotoday.com/virtualization/restrict-bandwidth-virtual-machine
https://docs.microsoft.com/en-us/powershell/module/hyper-v/set-vmnetworkadaptervlan?view=win10-ps https://docs.microsoft.com/en-us/powershell/module/netadapter/set-netadapter?view=win10-ps https://docs.microsoft.com/en-us/powershell/module/hyper-v/set-vm?view=win10-ps
https://docs.microsoft.com/en-us/powershell/module/netadapter/set-netadaptervmq?view=win10-ps

QUESTION 111
You have a Windows Server 2016 failover cluster that contains two servers named Server1 and Server2.

The Cluster Service on Server1 fails.

You need to identify the cause of the failure.

What should you do?

A. From Windows PowerShell, run the **Get-ClusterNode** cmdlet.
B. From Event Viewer, review the Application event log.
C. From Windows PowerShell, run the **Get-ClusterLog** cmdlet.
D. From Event Viewer, review the System event log.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
References: https://blogs.msdn.microsoft.com/clustering/2015/05/14/windows-server-2016-failover-cluster-troubleshooting-enhancements-cluster-log/