Microsoft.Premium.70-745.by.VCEplus.50q

70-745

Implementing a Software-Defined Datacenter

Version 1.0

Testlet 1

Background

General
Alpine Ski House is a global resort and retail company that has a main office in Toronto. The main office hosts the primary datacenter for the company.

The datacenter contains servers that run Windows Server 2012 R2 and Windows Server 2016. The environment contains Microsoft System Center Virtual Machine Manager (SCVMM) and System Center Configuration Manager (SCCM).

Network environment
The company uses Microsoft Azure with the Operations Management Suite (OMS). The following servers are deployed: ▪ Network
Controller
▪ Nano Servers that run IIS
▪ Hyper-V host servers that run Windows Server 2012 R2 ▪ SQL
Server 2014

All existing virtual machines (VMs) are Generation 1 VMs that run Windows Server 2012 R2.

You have the following VM networks: ▪ one
datacenter network named DCN1 ▪ one
management network named MGN1
▪ one tenant network named Network1 that is isolated in the SCVMM fabric ▪ five
additional tenant networks for VMs

Business Requirements
The company has signed a license agreement with Microsoft to use all System Center products.

You plan to deploy a distributed System Center Operations Manager (SCOM) environment in the Toronto datacenter. The SCOM server must use an existing SQL Server instance. A dedicated SQL Server service account must be used for the SCOM installation.

Technical Requirements

Compute environment
The company plans to deploy 10 new servers that run Hyper-V in the Toronto datacenter. All new Hyper-V host servers must run Nano Server. You create a blank Nano Server VHD and store the image at the following location: F:\HyperVNano.vhd.

The compute environment has the following requirements:

▪ IIS Nano Servers must appear in the SCVMM console.

▪ All new Nano Servers must be managed by SCVMM when they are deployed.

▪ All new VMs must be deployed and shielded by using SCVMM templates. ▪
All VMs must support shielding.

Network environment You create a certificate file named Cert.cer
for Network Controller.

You must implement a software load balancer (SLB) by using SCVMM service templates. The SLB template has been named SLBTemplate.xml.
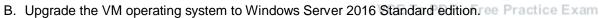
The network environment has the following requirements:
▪ Use the SvcAdmin local user account for all service templates.
▪ Configure firewall rules by using access control lists (ACLs).
▪ Configure specific network interfaces to use individual ACLs.

QUESTION 1 You need to ensure that the existing VMs meet the
requirements.

What should you do?

A. Modify the VM disks to Differencing.
B. Upgrade the VM operating system to Windows Server 2016 Standard edition.
C. Modify the VM configuration to Generation 2.
D. Upgrade the VM operating system to Windows Server 2016 Datacenter edition.

Correct Answer: D
Section: [none]
Explanation

Explanation/Reference:

QUESTION 2 You need to ensure that Network1 can communicate with other
virtual networks.

What should you do?

A. Configure logical switches for the VMs on Network1.
B. Create an IP address pool for Network1.

C. Create port profiles for the VMs on Network1.

D. Configure a gateway in SCVMM.

Correct Answer: D
Section: [none]
Explanation

Explanation/Reference:

QUESTION 3 You need to
install SCOM.

Which SCOM component should you install first?

A. Reporting server

B. Web console

C. Management server

D. Operations console

Correct Answer: C
Section: [none]
Explanation

Explanation/Reference:

QUESTION 4
DRAG DROP

You need to ensure that you can deploy the Hyper-V host servers.

How should you complete the Windows PowerShell commands? To answer, drag the appropriate Windows PowerShell segments to the correct locations. Each Windows PowerShell segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.
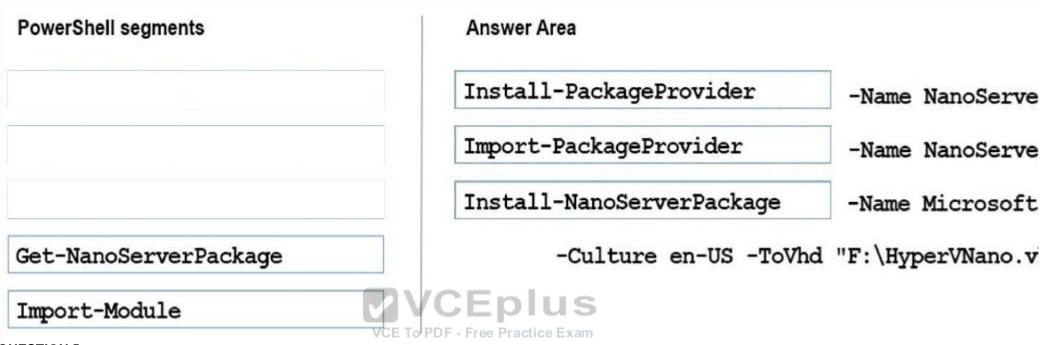
Select and Place:

PowerShell segments

| Install-PackageProvider |

| Import-PackageProvider |

| Install-NanoServerPackage |

| Get-NanoServerPackage |

| Import-Module |

Answer Area

| PowerShell segment | -Name NanoServe |

| PowerShell segment | -Name NanoServe |

| PowerShell segment | -Name Microsoft |

-Culture en-US -ToVhd "F:\HyperVNano.v

Correct Answer:
Section: [none]
Explanation

Explanation/Reference:

PowerShell segments

Get-NanoServerPackage

Import-Module

Answer Area

Install-PackageProvider	-Name NanoServe
Import-PackageProvider	-Name NanoServe
Install-NanoServerPackage	-Name Microsoft

-Culture en-US -ToVhd "F:\HyperVNano.v

QUESTION 5
DRAG DROP

You need to configure the IIS Nano Servers.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Restart the Nano Server.

Run the Windows PowerShell cmdlet Install-NanoServerPackage.

Copy the Nano Server packages to the Nano Server.

Use the dism command on the Nano Server.

Copy the Nano Server packages to the Hyper-V host.

Answer Area

Correct Answer:
Section: [none]
Explanation

Explanation/Reference:

Actions

Run the Windows PowerShell cmdlet Install-NanoServerPackage.

Copy the Nano Server packages to the Hyper-V host.

Answer Area

Copy the Nano Server packages to the Nano S

Use the dism command on the Nano Server.

Restart the Nano Server.

QUESTION 6
DRAG DROP

You need to configure the SLB service templates.

To which location should you import each component? To answer, drag the appropriate store locations to the correct components. Each location may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Locations

SCVMM library

Personal store

Enterprise Trust store

Shared folder

Answer Area

Component to import	Location
Cert.cer	Location
SLBTemplate.xml	Location

Correct Answer:
Section: [none]
Explanation

Locations

SCVMM library

Personal store

Enterprise Trust store

Shared folder

Answer Area

Component to import	Location
Cert.cer	SCVMM library
SLBTemplate.xml	SCVMM library

Explanation/Reference:
Explanation:

References: https://docs.microsoft.com/en-us/system-center/vmm/sdn-slb?view=sc-vmm-1801
Testlet 1

Background

General
You are the system administrator for a company named Fabrikam, Inc. You maintain the server infrastructure for the company. Company headquarters is located in Toronto. The company has additional offices in Atlanta, Dallas, and Detroit.

There is a datacenter located at each office. The company has a single Active Directory Domain Services (AD DS) forest that uses fabrikam.com as the namespace.

Each datacenter hosts a Microsoft Hyper-V cluster. The clusters are configured as shown in the following table. You plan to upgrade all clusters to Windows Server 2016 using cluster rolling upgrades if possible.

Office location	IP subnet	Hyper-V cluster name	Hyper-V cluster operating system
Atlanta	10.20.0.0/16	Atl-Cluster	Windows Server 2012
Detroit	10.40.0.0/16	Det-Cluster	Windows Server 2012 R2
Dallas	10.30.0.0/16	Dal-Cluster	Windows Server 2012
Toronto	10.10.0.0/16	Tor-Cluster	Windows Server 2012 R2

Atlanta

The software development teams work at the Atlanta office. The datacenter at the Atlanta office hosts all development servers and applications in a Hyper-V cluster infrastructure. Microsoft System Center Virtual Machine Manager (SCVMM) is not deployed.

The following servers are available in the Atlanta datacenter.

Server	Comments
Atl-Server1	This server is joined to the domain and runs Microsoft Windows Server 2016 Datacenter.
Atl-Server2	This server is joined to the domain and runs Microsoft Windows Server 2016 Nano Server.
Atl-Server3	This server is joined to the domain and runs Microsoft Windows Server 2016 Datacenter.

Detroit

IT department employees work at the Detroit office. The datacenter at the Detroit office hosts test servers in a Hyper-V cluster infrastructure. The datacenter also hosts applications that the IT department is testing for future deployments.

The following servers are available in the Detroit datacenter:

Server	Comments
Det-Server1	This server is reserved for a highly available SCVMM test environment.
Det-Server2	This server is reserved for a highly available SCVMM test environment.
Det-Server3	This server is joined to the domain and runs Windows Server 2012 R2.
Det-Server4	This server is joined to the domain and runs Windows Server 2012 R2.
Det-Server5	This server is joined to the domain and runs Windows Server 2012 R2.
Det-Server6	This server is joined to the domain and runs Windows Server 2016.
Det-Server7	This server is joined to the domain and runs Windows Server 2016.
Det-Server8	This server is joined to the domain and runs Windows Server 2016.

Dallas

The following servers are available in the Dallas datacenter:

Server	Comments
Dal-Server1	This server requires custom placement rules and must have host reserve settings.
Dal-Server2	This server requires custom placement rules and must have host reserve settings.
Dal-Server3	This server requires custom placement rules and must have host reserve settings.
Dal-Server4	
Dal-Server5	
Dal-Server6	

Toronto

Human resource department employees work at the Toronto office. The datacenter in the Toronto office hosts production servers and applications in a Hyper-V cluster infrastructure. SCVMM is not deployed.

The Toronto datacenter also hosts Windows Server Update Services (WSUS) for the entire company.

You have the following servers available in the datacenter:

Server	Comments
Tor-Server1	This server is joined to the domain.
Tor-Server2	This server is not domain joined.
Tor-Server10	This is the root WSUS server.
Tor-Server11	This is the WSUS replica server.

Technical Requirements

Atlanta

You identify the following requirements for the Atlanta datacenter:
- You must deploy an SCVMM instance to manage Atl-Cluster.
- The SCVMM deployment must use Distributed Key Management (DKM).
- You must install all applications that support the development server in the Atlanta datacenter.
- The virtual machines (VMs) in the datacenter that are connected to multiple networks must be isolated by using Private VLANs (PVLANs).

Detroit

You identify the following requirements for the Detroit datacenter.
- You must create an SCVMM cluster named **Det-VMM**.
- SCVMM must be used to manage Det-Cluster.
- You must deploy Software Defined Networking (SDN) software load balancer (SLB) on Det-Cluster.
- All required server IP addresses are part of the range of IP addresses that are allocated for the Detroit datacenter. ▪
You must deploy a three-node SDN network controller in Det-Cluster. ▪ The SCVMM environment must support Generation 2 VMs.

Dallas

You must manage devices at the Dallas office by using the SCVMM production environment. A high profile sales application that runs in the datacenter must run only on specific servers.

Toronto

You identify the following requirements for the Toronto datacenter:
▪ You must deploy SCVMM. You must integrate SCVMM with the current WSUS environment.
▪ You must use shared ISO images with all VMs.
▪ You must grant the minimum permissions required for employees to complete job-related tasks. ▪ The SCVMM environment must manage Tor-Cluster and Dal-Cluster.

QUESTION 1
HOTSPOT

You need to ensure that the Hyper-V hosts meet the requirements for the sales department application.

Which three actions should you perform in sequence? To answer, select the appropriate options in the answer area.

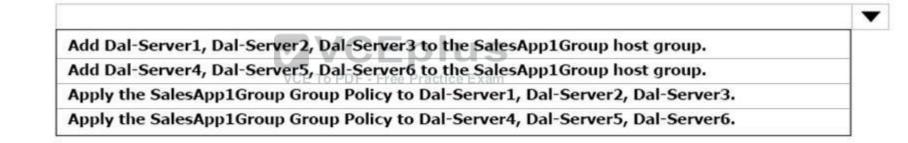**NOTE:** Each correct selection is worth one point.

Hot Area:

Answer Area

Step	Action

1 ▼

In AD DS, create a Group Policy object named SalesApp1Group.
In SCVMM, create a host group named SalesApp1Group.

2 ▼

Add Dal-Server1, Dal-Server2, Dal-Server3 to the SalesApp1Group host group.
Add Dal-Server4, Dal-Server5, Dal-Server6 to the SalesApp1Group host group.
Apply the SalesApp1Group Group Policy to Dal-Server1, Dal-Server2, Dal-Server3.
Apply the SalesApp1Group Group Policy to Dal-Server4, Dal-Server5, Dal-Server6.

3 ▼

Configure placement rules and host reserve settings for the SalesApp1Group host group.
Configure placement rules and host reserve settings for the SalesApp1Group Group Policy.

Correct Answer:

Answer Area

Step	Action

1

	▼

In AD DS, create a Group Policy object named SalesApp1Group.
In SCVMM, create a host group named SalesApp1Group.

2

	▼

Add Dal-Server1, Dal-Server2, Dal-Server3 to the SalesApp1Group host group.
Add Dal-Server4, Dal-Server5, Dal-Server6 to the SalesApp1Group host group.
Apply the SalesApp1Group Group Policy to Dal-Server1, Dal-Server2, Dal-Server3.
Apply the SalesApp1Group Group Policy to Dal-Server4, Dal-Server5, Dal-Server6.

3

	▼

Configure placement rules and host reserve settings for the SalesApp1Group host group.
Configure placement rules and host reserve settings for the SalesApp1Group Group Policy.

Section: [none]
Explanation

Explanation/Reference:

QUESTION 2 You need to configure an SDN network controller for the SCVMM test environment.

What should you do first?

A. In SCVMM, create a dedicated host group for Det-Server3, Det-Server4, and Det-Server5.
B. In AD DS, create a security group and add Det-Server3, Det-Server4, and Det-Server5.
C. In AD DS, create a security group and add Det-Server6, Det-Server7, and Det-Server8.
D. In SCVMM, create a dedicated host group for Det-Server6, Det-Server7, and Det-Server8.

Correct Answer: D
Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/system-center/vmm/sdn-controller?view=sc-vmm-1801

QUESTION 3 You need to configure the network settings for the SLB in the test environment.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a logical network that uses the **Private VLAN networks** option.
B. Create a logical network that uses the **One connected network** option.
C. Create a private VIP and IP address pool that uses the IP range 10.10.90.2 - 10.10.90.254. Create a public VIP and IP address pool that uses the IP range 10.10.20.2 – 10.10.20.254.
D. Create a private VIP and IP address pool that uses the IP range 10.40.90.2 - 10.40.90.254. Create a public VIP and IP address pool that uses the IP range 10.40.20.2 – 10.40.20.254.

Correct Answer: AD
Section: [none]
Explanation

Explanation/Reference:
QUESTION 4
HOTSPOT

You need to deploy the production SCVMM instance.

Which values should you supply for each installation option? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Option	Value
SCVMM installation location	▼

Atl-Server1
Atl-Server2
Tor-Server1
Tor-Server2

| Type of account needed | ▼ |

Domain user account that is not a local administrator on the server
Domain user account that is a local administrator on the server
Local system account
Local administrator account

Correct Answer:

Answer Area

Option	Value
SCVMM installation location	▼

Atl-Server1
Atl-Server2
Tor-Server1
Tor-Server2

Type of account needed	▼

Domain user account that is not a local administrator on the server
Domain user account that is a local administrator on the server
Local system account
Local administrator account

Section: [none]
Explanation

Explanation/Reference:
Explanation:

References: https://docs.microsoft.com/en-us/system-center/vmm/plan-install?view=sc-vmm-1801#account-and-domain-requirements

QUESTION 5
DRAG DROP

You need to deploy the SDN network controller for the SCVMM test environment.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions	Answer Area
Select the template named Network Controller Production Generation 2 VM.xml.	
Configure the deployment settings.	
Assign the SCVMM server to the Group Policy.	
Click **Deploy Service**.	
Click **Refresh Preview**.	❯
Create a Group Policy.	❮
Select the template named Network Controller Standalone Generation 2 VM.xml.	

Correct Answer:

Actions

Assign the SCVMM server to the Group Policy.
Create a Group Policy.
Select the template named Network Controller Standalone Generation 2 VM.xml.

Answer Area

Select the template named Network C Production Generation 2 VM.xml.
Configure the deployment settings.
Click **Refresh Preview**.
Click **Deploy Service**.

Section: [none]
Explanation

Explanation/Reference:
Explanation:

References: https://docs.microsoft.com/en-us/system-center/vmm/sdn-controller?view=sc-vmm-1801

QUESTION 6
DRAG DROP

You need to create the VM network for the development environment.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Associate the 10.20.5.0/24 subnet to the site.

Create a logical network.

Select **One connected network**.

Add a network site.

Select **Private VLAN networks**.

Associate the 10.10.5.0/24 subnet to the site.

Answer Area

Correct Answer:
Section: [none]
Explanation

Actions

Associate the 10.20.5.0/24 subnet to the site.

Select **One connected network**.

Answer Area

Create a logical network.

Select **Private VLAN networks**.

Add a network site.

Associate the 10.10.5.0/24 subnet to the site.

Explanation/Reference:
Explanation:

References:
https://technet.microsoft.com/en-us/library/gg610588(v=sc.12).aspx **Question Set 1**

QUESTION 1
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 manage a Microsoft System Center Virtual Machine Manager (SCVMM) environment. You plan to create virtual machine (VM) networks and IP address pools.

You need to ensure that VM networks are segmented.

Solution: You create a VM network with the **No Isolation** option.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 2
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 manage a Microsoft System Center Virtual Machine Manager (SCVMM) environment. You plan to create virtual machine (VM) networks and IP address pools.

You need to ensure that VM networks are segmented.

Solution: You create a VM network and specify the **Isolate using Hyper-V Network Virtualization** option.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Section: [none]
Explanation

Explanation/Reference:

QUESTION 3
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 manage a System Center Virtual Machine Manager (SCVMM) environment. You plan to create virtual machine (VM) networks and IP address pools.

You need to ensure that VM networks are segmented.

Solution: You create Windows Firewall rules on the VMs.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 4
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 company has two datacenters. You have Windows servers in both locations. The network that connects the datacenters has high bandwidth and low latency.

You are designing a new virtual machine (VM) and storage environment based on servers that run Windows Server 2016. You need to implement a solution that meets the following storage requirements:
Tolerates the failure of a single datacenter.
Ensures zero data loss in the event of a file system failure.

Solution: You implement offloaded data transfers.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

Section: [none]
Explanation

Explanation/Reference:

QUESTION 5
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 company has two datacenters. You have Windows servers in both locations. The network that connects the datacenters has high bandwidth and low latency.

You are designing a new virtual machine (VM) and storage environment based on servers that run Windows Server 2016. You need to implement a solution that meets the following storage requirements:
- Tolerates the failure of a single datacenter.
- Ensures zero data loss in the event of a file system failure.

Solution: You implement Distributed File System Replication.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
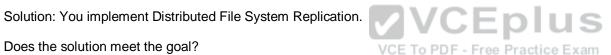**Section: [none]**
Explanation

Explanation/Reference:

QUESTION 6
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 company has two datacenters. You have Windows servers in both locations. The network that connects the datacenters has high bandwidth and low latency.

You are designing a new virtual machine (VM) and storage environment based on servers that run Windows Server 2016. You need to implement a solution that meets the following storage requirements:
- Tolerates the failure of a single datacenter.
- Ensures zero data loss in the event of a file system failure.

Solution: You implement a storage replica with synchronous replication.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Section: [none]
Explanation

Explanation/Reference:

QUESTION 7
You administer Microsoft System Center Virtual Machine Manager (SCVMM).

You need to access the Network Controller diagnostic logs.

Where should you view the logs?

A. %programfiles%\DiagnosticLogs
B. %windir%\SDNDiagnostics
C. %systemdrive%\SDNDiagnostics
D. %systemroot%\DiagnosticLogs

Correct Answer: C
Section: [none]
Explanation

Explanation/Reference:

QUESTION 8

HOTSPOT

A Microsoft Hyper-V host has a network interface card (NIC) named NIC1 that supports Remote Direct Memory Access (RDMA). You plan to install a second NIC at a later date.

The Hyper-V host must have a virtual switch named vSwitch1. Switch Embedded Teaming (SET) must be enabled on the NIC.

You need to ensure that you can use the same virtual switch when you add the second NIC.

How should you complete the Windows PowerShell command? To answer, select the appropriate options in the answer area.
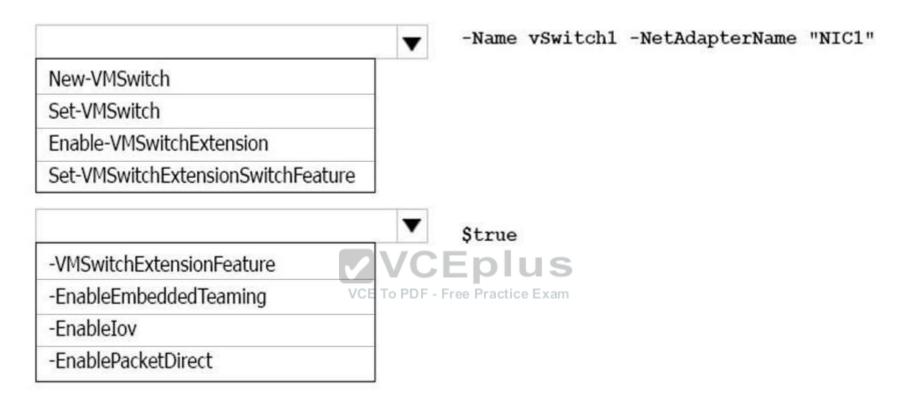
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

| ▼ | -Name vSwitch1 -NetAdapterName "NIC1" |

| New-VMSwitch |
| Set-VMSwitch |
| Enable-VMSwitchExtension |
| Set-VMSwitchExtensionSwitchFeature |

| ▼ | $true |

| -VMSwitchExtensionFeature |
| -EnableEmbeddedTeaming |
| -EnableIov |
| -EnablePacketDirect |

Correct Answer:

Answer Area

| ▼ | -Name vSwitch1 -NetAdapterName "NIC1" |

| New-VMSwitch |
| Set-VMSwitch |
| Enable-VMSwitchExtension |
| Set-VMSwitchExtensionSwitchFeature |

| ▼ | $true |

| -VMSwitchExtensionFeature |
| -EnableEmbeddedTeaming |
| -EnableIov |
| -EnablePacketDirect |

Section: [none]
Explanation

Explanation/Reference:
Explanation:

References: https://docs.microsoft.com/en-us/powershell/module/hyper-v/new-vmswitch?view=win10-ps

QUESTION 9
You deploy a Microsoft Hyper-V host server and install the Network Controller role.

You need to modify the application settings of the Network Controller.

Which Windows PowerShell cmdlet should you run?

A. `Set-NetworkControllerVirtualNetworkConfiguration`
B. `Set-NetworkController`
C. `Set-NetworkControllerNode`
D. `Set-NetworkControllerCluster`

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 10
You manage Microsoft System Center Virtual Machine Manager (SCVMM). You plan to implement a software load balancer (SLB) Multiplexer (MUX).

You need to configure the Microsoft Hyper-V host servers to host the MUX.

What should you do?

A. Configure Windows Server Gateway.
B. Install the SLB Host Agent on each Hyper-V host.
C. Configure virtual machine resource metering.
D. Configure a Remote Access Service gateway.

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:
References: https://technet.microsoft.com/en-US/library/mt632286.aspx

QUESTION 11
DRAG DROP

You manage Microsoft System Center Virtual Machine Manager (SCVMM). You plan to implement software load balancer (SLB) on Microsoft Hyper-V host servers by using an SLB Multiplexer (MUX).

You identify the following requirements:
▪ Redirect all inbound traffic to the MUX.
▪ Ensure that all outbound network traffic bypasses the MUX.

You need to configure the environment.

Which components should you implement? To answer, drag the appropriate components to the correct traffic directions. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
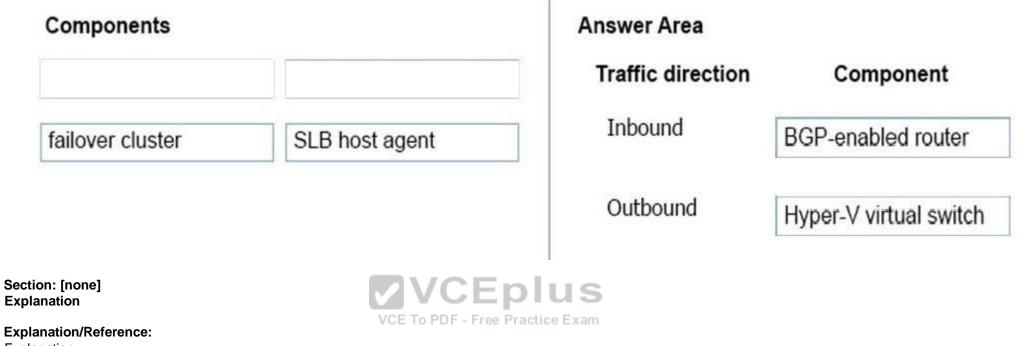
NOTE: Each correct selection is worth one point.

Select and Place:

Components		Answer Area	
BGP-enabled router	Hyper-V virtual switch	**Traffic direction**	**Component**
failover cluster	SLB host agent	Inbound	Component
		Outbound	Component

Correct Answer:

Components

failover cluster	SLB host agent

Answer Area

Traffic direction	Component
Inbound	BGP-enabled router
Outbound	Hyper-V virtual switch

Section: [none]
Explanation

Explanation/Reference:
Explanation:

References: https://technet.microsoft.com/en-US/library/mt632286.aspx

QUESTION 12
You administer the Microsoft System Center Virtual Machine Manager (SCVMM) infrastructure for an organization. You deploy a software load balancer (SLB).

You need to create a health probe to verify that the VIP pool members are healthy.

Which health probe response code should you identify?

A. 200
B. 202
C. 300
D. 302

Correct Answer: A

Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/windows-server/networking/sdn/manage/configure-slb-and-
nat

QUESTION 13
You manage virtual machine (VM) workloads in an environment that includes the following objects: ▪
an IP address pool
▪ a software load balancer (SLB) object ▪
an SLB rule ▪ a public VIP address

You monitor network traffic logs and observe that a VM does not service requests for the VIP address.

You need to configure the virtual network so that traffic is not sent to a VM that is unavailable.

What should you do?

A. Add a health probe. Change the SLB configuration to use the health probe. Redeploy the SLB rule.
B. Add support for HTTP keep-alive. Change the SLB configuration to Enable keep-alive. Redeploy the SLB rule.
C. Change the VM IP addresses to public IP addresses. Redeploy the SLB rule.
D. Change the protocol for the SLB rule to UDP. Redeploy the SLB rule.

Correct Answer: A
Section: [none]
Explanation

Explanation/Reference:

QUESTION 14
You manage Microsoft System Center Virtual Machine Manager (SCVMM).

You need to block specific packets on the virtual switch.

Which two types of virtual switch extensions can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. capturing extensions
B. forwarding extensions
C. monitoring extensions
D. filtering extensions

Correct Answer: BD
Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/windows-hardware/drivers/network/overview-of-the-hyper-v-extensible-switch

QUESTION 15 You manage a Microsoft Hyper-V host server that has several high-speed physical
network adapters.

You need to attach a physical network adapter directly to a virtual machine (VM).

What should you do first?

A. Assign the adapter to the VM.
B. Disable the adapter on the Hyper-V host.
C. Install the device driver on the Hyper-V host.
D. Install the device driver on the VM.

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 16
HOTSPOT

You deploy Microsoft System Center Virtual Machine Manager (SCVMM) and System Center Configuration Manager in an Active Directory Domain Services (AD
DS) domain.

You must deploy a Software Defined Networking (SDN) network controller.

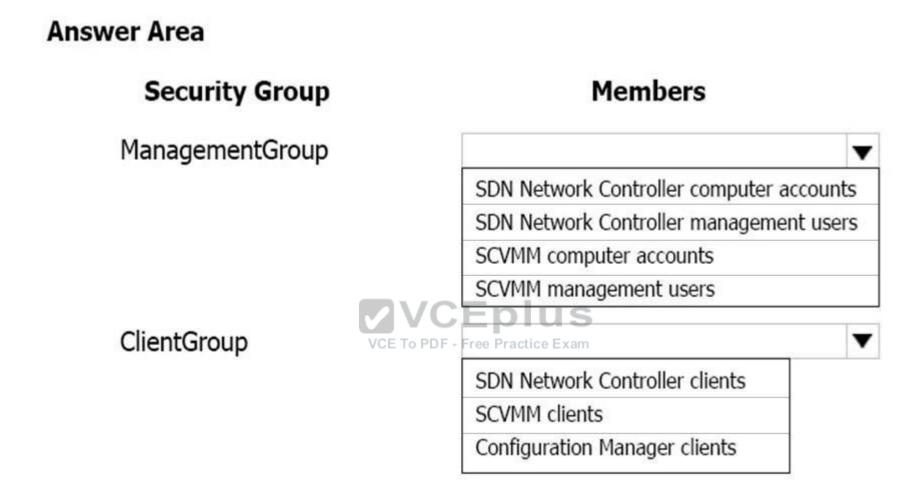You need to create the required AD DS security groups for management users and network controller clients.

Which members should you add to each group? To answer, select the appropriate options in the answer area.

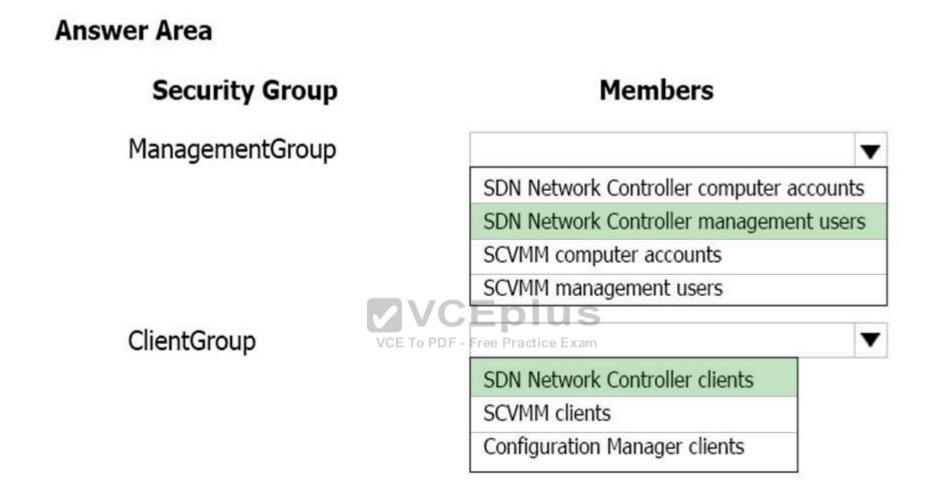**NOTE:** Each correct selection is worth one point.

Hot Area:

Answer Area

Security Group	Members
ManagementGroup	[dropdown ▼]

SDN Network Controller computer accounts
SDN Network Controller management users
SCVMM computer accounts
SCVMM management users

ClientGroup	[dropdown ▼]

SDN Network Controller clients
SCVMM clients
Configuration Manager clients

Correct Answer:

Answer Area

Security Group	Members
ManagementGroup	▼

SDN Network Controller computer accounts
SDN Network Controller management users
SCVMM computer accounts
SCVMM management users

ClientGroup	▼

SDN Network Controller clients
SCVMM clients
Configuration Manager clients

Section: [none]
Explanation

Explanation/Reference:

Explanation: References:

https://docs.microsoft.co

m/en-us/system-

center/vmm/sdn-
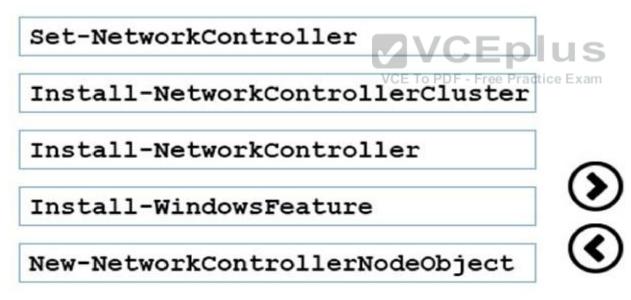
controller?view=sc-vmm-

1801

QUESTION 17
DRAG DROP

You plan to deploy a Windows Server Gateway (WSG). The gateway will be managed by Network Controller.

You need to install and configure a Network Controller cluster.

Actions

Answer Area

| Set-NetworkController |

| Install-NetworkControllerCluster |

| Install-NetworkController |

| Install-WindowsFeature |

| New-NetworkControllerNodeObject |

Which four Windows PowerShell cmdlets should you run in sequence? To answer, move the appropriate Windows PowerShell cmdlets from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Set-NetworkController

Answer Area

Install-WindowsFeature

New-NetworkControllerNod

Install-NetworkControlle

Install-NetworkControlle

Correct Answer:
Section: [none]
Explanation

Explanation/Reference:

QUESTION 18
You deploy Microsoft System Center Virtual Machine Manager (SCVMM) and System Center Operations Manager (SCOM). You integrate SCVMM with SCOM.

You need to view the reports for SCVMM.

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

A. Launch the SCOM console.
B. Launch the SCVMM console.

C. Run the Windows PowerShell cmdlet `Get-SCOMMonitor`.

D. Run the Windows PowerShell cmdlet `Get-SCOMReportingSetting`.

E. View the Reporting server website for SCOM.

Correct Answer: AE
Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/system-center/vmm/monitor?view=sc-vmm-1801

QUESTION 19 You install Microsoft System Center Operations Manager (SCOM) and download a sealed management pack.

You receive notifications from a monitor that a critical resource experiences an overload situation. When you check the resource, it is not in an overloaded condition.

You need to add a new threshold value for the resource.

What should you create?

A. an override in an existing management pack
B. an override in a new management pack
C. a monitor in a new management pack
D. a monitor in an existing management pack

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 20
You deploy Microsoft System Center Virtual Machine Manager (SCVMM) and System Center Operations Manager (SCOM). You install the SCOM agent on the SCVMM server. You install the SCVMM management pack.

You need to ensure that Performance and Resource Optimization (PRO) is available.

What should you run?

A. the SCOM setup wizard
B. the integration wizard in the SCVMM console
C. the integration wizard in the SCOM console
D. the SCVMM setup wizard

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/system-center/vmm/monitors-ops-manager?view=sc-vmm-1801

QUESTION 21
DRAG DROP

You use Microsoft System Center Operations Manager to monitor System Center Virtual Machine Manager (SCVMM). You establish baselines for the virtualization hosts.

You configure monitors to detect when a system is experiencing problems. You define an alert to report that the threshold value is exceeded.

You need to ensure that Operations Manager sends an email to the SDDCAdmins distribution group when the alert condition occurs.

Which three steps should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Create a notification subscription for the alert.

Create an SMS channel for SDDCAdmins.

Create an email channel.

Create a notification subscriber for SDDCAdmins.

Create an unsealed management pack.

Configure an override for the alert threshold.

Answer Area

Correct Answer:
Section: [none]
Explanation

Explanation/Reference:

Actions

Create an SMS channel for SDDCAdmins.

Create an unsealed management pack.

Configure an override for the alert threshold.

Answer Area

Create an email channel.

Create a notification subscription for the alert.

Create a notification subscriber for SDDCAdm

QUESTION 22

You deploy Microsoft System Center Virtual Machine Manager (SCVMM). You configure shielded virtual machines (VMs) by using virtual Trusted Platform Modules (vTPM). The shielded VMs are in the existing guarded fabric.

You deploy System Center Data Protection Manager (DPM).

You need to identify the scenarios for which you can use DPM to back up the VMs.

For which two scenarios can you use DPM? Each correct answer presents a complete solution.

A. shielded VMs not protected with vTPM
B. Item Level Recovery and Alternate Location Recovery outside of the guarded fabric
C. Item Level Recovery and Alternate Location Recovery in the guarded fabric
D. shielded VMs protected with vTPM

Correct Answer: CD
Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/system-center/dpm/what-s-new-in-dpm-2016?view=sc-dpm-
1801

QUESTION 23
DRAG DROP

You plan to implement Microsoft System Center Virtual Machine Manager (SCVMM). The VMM environment will use shared ISO images with Hyper-V virtual machines. The SQL Server instance used by SCVMM must be able to communicate with other servers on the network.

You must install SCVMM on a server named VMM01 while minimizing the number of Active Directory Domain Services (AD DS) accounts that are created.

You need to install SCVMM.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Install Microsoft SQL Server 2014 on a member server.

Install SCVMM on VMM01.

Install Microsoft SQL Express on a member server.

Create separate AD DS accounts for the Microsoft SQL Server service and the SCVMM service.

Create one AD DS account for the Microsoft SQL Server service and the SCVMM service.

Install Windows Software Update Services on VMM01.

Answer Area

Correct Answer:
Section: [none]
 Explanation

Explanation/Reference:

Actions

Install Microsoft SQL Express on a member server.

Create separate AD DS accounts for the Microsoft SQL Server service and the SCVMM service.

Install Windows Software Update Services on VMM01.

Answer Area

Create one AD DS account for the Microsoft SQL Ser service and the SCVMM service.

Install Microsoft SQL Server 2014 on a member serv

Install SCVMM on VMM01.

QUESTION 24 You plan to deploy a Nano Server that has the Microsoft Hyper-V role installed.

You must deploy the Nano Server host in a hyper-converged mode that has a Microsoft System Center Virtual Machine Manager (SCVMM) agent installed. You need to prepare a Nano Server VHD for a physical machine.

Which three packages should you include in the VHD? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. `Microsoft-NanoServer-DCB-Package`
B. `Microsoft-NanoServer-SCVMM-Package`
C. `Microsoft-NanoServer-SCVMM-Compute-Package`
D. `Microsoft-NanoServer-Storage-Package`

E. `Microsoft-NanoServer-NPDS-Package`

Correct Answer: BCD
Section: [none]
Explanation

Explanation/Reference:
References: https://docs.microsoft.com/en-us/system-center/vmm/hyper-v-nano?view=sc-vmm-2016

QUESTION 25 HOTSPOT

A company has an Active Directory Domain Services (AD DS) domain named corp.contoso.com.

You must install Microsoft System Center Virtual Machine Manager (SCVMM) and implement distributed key management (DKM). You must follow the principle of least privilege. Keys must be stored in a container named VMMKeys.

You need to ensure that you can store the cryptographic keys in AD DS.

How should you configure the environment? To answer, select the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Requirement	Option
DistinguishedName of AD DS container	▼

CN=VMMKeys,DC=corp,DC=contoso,DC=com
CN=VMMKeys,DC=contoso,DC=com
DC=VMMKeys,DC=corp,DC=contoso,DC=com
DC=VMMKeys,DC=contoso,DC=com

| Container permissions for SCVMM installation | ▼ |

Full Control
Modify
Write

Correct Answer:

Answer Area

Requirement	Option
DistinguishedName of AD DS container	▼

CN=VMMKeys,DC=corp,DC=contoso,DC=com
CN=VMMKeys,DC=contoso,DC=com
DC=VMMKeys,DC=corp,DC=contoso,DC=com
DC=VMMKeys,DC=contoso,DC=com

| Container permissions for SCVMM installation | ▼ |

Full Control
Modify
Write

Section: [none]
Explanation

Explanation/Reference:
Explanation:

References: https://technet.microsoft.com/en-us/library/gg697604(v=sc.12).aspx

QUESTION 26
You administer a Microsoft System Center Virtual Machine Manager (SCVMM) infrastructure. You have a Microsoft Azure subscription.

You must design a backup strategy that meets the following requirements:
▪ Back up the SCVMM hosts, virtual machines (VMs), and workloads.

▪ Use a protection agent to perform the backups. ▪ Automate
the backup process.

You need to recommend a backup solution.

What should you recommend?

A. Windows PowerShell script that runs Disk2VHD
B. Microsoft Hyper-V Replica
C. WBAdmin.exe
D. System Center Data Protection Manager

Correct Answer: D
Section: [none]
Explanation

Explanation/Reference:

QUESTION 27
DRAG DROP

You manage Microsoft System Center Virtual Machine Manager (SCVMM).

You need to enable Data Deduplication for the SCVMM library server.

Which action should you perform for each configuration option? To answer, drag the appropriate action to the correct condition. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Actions

Reduce the value for the MinimumFileAgeDays setting.

Increase the value for the MinimumFileAgeDays setting.

Add a directory to the exclusion list.

Remove a directory from the inclusion list.

Add a file type to the exclusion list.

Remove a file type from the inclusion list.

Update the schedules using Windows PowerShell.

Update the schedules using the graphical user interface.

Answer Area

Data Deduplication configuration option

Process files faster.

Prevent deduplication for specific directories.

Prevent deduplication for specific file types.

Change garbage collection and scrubbing schedules.

Correct Answer:
Section: [none]
Explanation

Actions

Reduce the value for the MinimumFileAgeDays setting.

Increase the value for the MinimumFileAgeDays setting.

Add a directory to the exclusion list.

Remove a directory from the inclusion list.

Add a file type to the exclusion list.

Remove a file type from the inclusion list.

Update the schedules using Windows PowerShell.

Update the schedules using the graphical user interface.

Answer Area

Data Deduplication configuration option

Process files faster.

Prevent deduplication for specific directories.

Prevent deduplication for specific file types.

Change garbage collection and scrubbing schedules.

Update the sc

Add a directo

Add a file typ

Update the sc

Explanation/Reference:
Explanation:

References: https://docs.microsoft.com/en-us/windows-server/storage/data-deduplication/advanced-
settings **QUESTION 28** DRAG DROP

You are securing the servers in Microsoft System Center Virtual Machine Manager (SCVMM).

You must use Network Controller to configure and manage servers that are on the same data plane as your Software Defined Network (SDN).

You need to configure the protocols and authentication types.

Which protocols and authentication types should you use for each server? To answer, drag the appropriate protocols or authentication types to the correct devices or services. Each protocol or authentication type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Protocol and authentication type

| Certificates |

| Kerberos |

| OVSDB |

| WinRM |

| WCF |

Answer Area

Southbound device or service	Protocol
Software load balancer	WCF (MUX). TCP (Host)
Virtual networking	OVSDB, WCF
Firewall	Protocol/Auth type
Gateway	Protocol/Auth type
User-defined routing	OVSDB

Correct Answer:
Section: [none]
Explanation

Explanation/Reference:
Explanation:

Protocol and authentication type		
Certificates		
Kerberos		
OVSDB		
WinRM		
WCF		

Answer Area

Southbound device or service	Protocol
Software load balancer	WCF (MUX). TCP (Host)
Virtual networking	OVSDB, WCF
Firewall	OVSDB
Gateway	WinRM
User-defined routing	OVSDB

References: https://docs.microsoft.com/en-us/windows-server/networking/sdn/security/nc-security

QUESTION 29
You manage a datacenter that includes Software Defined Storage (SDS) and Microsoft System Center Virtual Machine Manager (SCVMM). You have a Microsoft Azure subscription.

You need to automate the replication of Hyper-V virtual machines (VMs) to Azure by using Azure Site Recovery (ASR).

Which three resources should you implement? Each correct answer presents part of a solution.

NOTE: Each correct selection is worth one point.

A. Bitlocker-enabled VMs

B. Azure storage account
C. Microsoft Hyper-V VMs with hot storage
D. SCVMM host group
E. Azure Recovery Services Vault
F. Shielded VMs

Correct Answer: BDE
Section: [none]
Explanation

Explanation/Reference:

QUESTION 30
You manage Microsoft System Center Virtual Machine Manager (SCVMM).

You need to ensure that all virtual machines (VMs) are fault tolerant. You must set storage tier sizes.

Which three Windows PowerShell cmdlets should you run? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. `Optimize-Volume`
B. `Enable-ClusterS2D`
C. `Set-ClusterParameter`
D. `New-Cluster`
E. `New-Volume`

Correct Answer: BDE
Section: [none]
Explanation
Explanation/Reference:

QUESTION 31
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 use Microsoft System Center Virtual Machine Manager (SCVMM) to manage your company's virtual infrastructure.

You need to install a host server that can run the full version of the .NET framework.

Solution: Install the host server using the Desktop Experience installation option.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Section: [none]
Explanation

Explanation/Reference:

QUESTION 32
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 use Microsoft System Center Virtual Machine Manager (SCVMM) to manage your company's virtual infrastructure.

You need to install a host server that can run the full version of the .NET framework.

Solution: Install the host server as Windows Server 2016 Server Core.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 33
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 use Microsoft System Center Virtual Machine Manager (SCVMM) to manage your company's virtual infrastructure.

You need to install a host server that can run the full version of the .NET framework.

Solution: Install a host server that runs Windows Server 2016 R2 Server Core. Add the Desktop Experience feature.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Section: [none]
Explanation

Explanation/Reference:

QUESTION 34
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 plan to deploy Windows Server Gateway (WSG) with Microsoft System Center Virtual Machine Manager (SCVMM).

You need to configure the send and receive buffers for the Hyper-V hosts.

Solution: You run the Windows PowerShell cmdlet `Enable-NetAdapterRss`.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 35
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 plan to deploy Windows Server Gateway (WSG) with Microsoft System Center Virtual Machine Manager (SCVMM).

You need to configure the send and receive buffers for the Hyper-V hosts.

Solution: You run the Windows PowerShell cmdlet `Set-NetAdapterAdvancedProperty`.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: A
Section: [none]
Explanation
Explanation/Reference:

QUESTION 36
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 plan to deploy Windows Server Gateway (WSG) with Microsoft System Center Virtual Machine Manager (SCVMM).

You need to configure the send and receive buffers for the Hyper-V hosts.

Solution: You run the Windows PowerShell cmdlet `Set-NetAdapterBinding`.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Section: [none]
Explanation

Explanation/Reference:

QUESTION 37
You administer a Microsoft System Center Virtual Machine Manager (SCVMM) infrastructure. You have a Microsoft Azure subscription.

You must design a backup strategy that meets the following requirements:
▪ Back up the SCVMM hosts, virtual machines (VMs), and workloads.
▪ Use a protection agent to perform the backups. ▪ Automate
the backup process.

You need to recommend a backup solution.

What should you recommend?

A. WBAdmin.exe

B. SCVMM cluster
C. Microsoft Hyper-V Replica
D. System Center Data Protection Manager

Correct Answer: D
Section: [none]
Explanation

Explanation/Reference:

QUESTION 38
You manage Microsoft System Center Virtual Machine Manager (SCVMM). You plan to implement a software load balancer (SLB) Multiplexer (MUX).

You need to configure the Microsoft Hyper-V host servers to host the MUX.

What should you do?

A. Configure Quality of Service on each Hyper-V host.
B. Enable virtual Trusted Platform Modules.
C. Enable Virtual Filtering Platform for Hyper-V virtual switches.
D. Configure Windows Server Gateway.

Correct Answer: C
Section: [none]
Explanation

Explanation/Reference:
References:
https://technet.microsoft.com/en-US/library/mt632286.aspx