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Microsoft 70-745

Implementing a Software-Defined Datacenter

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?



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- 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?



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- 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

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

Set-NetworkController

Install-NetworkControllerCluster

Install-NetworkController

Install-WindowsFeature

New-NetworkControllerNodeObject



Answer Area

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:

Correct Answer:

Section: [none]

Explanation

Explanation/Reference:

QUESTION 9

Actions

Set-NetworkController

Answer Area

Install-WindowsFeature

New-NetworkControllerNode

Install-NetworkController

Install-NetworkController



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 10

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?



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- 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 11

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 12

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:

QUESTION 13

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 SDDCAdmins.



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 14

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 Server service and the SCVMM service.

Install Microsoft SQL Server 2014 on a member server.

Install SCVMM on VMM01.



QUESTION 15

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 16

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	<div>▼</div> <div> 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 </div>
Container permissions for SCVMM installation	<div>▼</div> <div> Full Control Modify Write </div>

Correct Answer:

Answer Area

Requirement	Option
DistinguishedName of AD DS container	<div>▼</div> <div>CN=VMMKeys,DC=corp,DC=contoso,DC=com</div> <div>CN=VMMKeys,DC=contoso,DC=com</div> <div>DC=VMMKeys,DC=corp,DC=contoso,DC=com</div> <div>DC=VMMKeys,DC=contoso,DC=com</div>
Container permissions for SCVMM installation	<div>▼</div> <div>Full Control</div> <div>Modify</div> <div>Write</div>

Section: [none]

Explanation

Explanation/Reference:

Explanation:

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

QUESTION 17

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?



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- 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 18

DRAG DROP

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

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

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.

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:

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 schedules using Windows PowerShell.

Add a directory to the exclusion list.

Add a file type to the exclusion list.

Update the schedules using the graphical user interface.

Explanation/Reference:

Explanation:

References:

<https://docs.microsoft.com/en-us/windows-server/storage/data-deduplication/advanced-settings> **QUESTION 19** 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

Software load balancer

Virtual networking

Firewall

Gateway

User-defined routing

Protocol

WCF (MUX). TCP (Host)

OVSDB, WCF

Protocol/Auth type

Protocol/Auth type

OVSDB

Correct Answer:

Section: [none]

Explanation

Explanation/Reference:

Explanation:

Protocol and authentication type	Answer Area	
	Southbound device or service	Protocol
Certificates	Software load balancer	WCF (MUX). TCP (Host)
Kerberos	Virtual networking	OVSDB, WCF
OVSDB	Firewall	OVSDB
WinRM	Gateway	WinRM
WCF	User-defined routing	OVSDB

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

QUESTION 20

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 21

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 22

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?



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A. Yes

B. No



Correct Answer: A

Section: [none]

Explanation

Explanation/Reference:

QUESTION 23

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 24

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 25

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 26

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 27

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:



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