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Case Study 02

Case study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section. To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements.

If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Qbutton to return to the question.

Overview

Contoso, Ltd. is a manufacturing company that has a main office in Seattle and branch offices in Los Angeles and Montreal.

Existing Environment

Active Directory Environment

Contoso has an on-premises Active Directory Domain Services (AD DS) domain named contoso.com that syncs with an Azure Active Directory (Azure AD) tenant. The AD DS domain contains the domain controllers shown in the following table.

Name	Operating system	Operation master role
DC1	Windows Server 2012 R2	RID master, schema master
DC2	Windows Server 2016	PDC emulator, infrastructure master
DC3	Windows Server 2016	Domain naming master

Contoso recently purchased an Azure subscription.

The functional level of the forest is Windows Server 2012 R2. The functional level of the domain is Windows Server 2012. The forest has the Active Directory Recycle Bin enabled.

The contoso.com domain contains the users shown in the following table.

Name	Organizational unit (OU)/Container	Member of
User1	OU1	Group2, Group4
User2	Users	Group2
User3	OU1	Group3, Group4
Admin1	OU1	Domain Admins

The contoso.com domain has the Group Policy Objects (GPOs) shown in the following table.

Name	Minimum password length	Linked to
Default Domain Policy	8	contoso.com
GPO1	10	OU1

The contoso.com domain has the Password Settings Objects (PSOs) shown in the following table.

Name	Precedence	Minimum password length	Directly applies to
PSO1	10	9	Group2
PSO2	20	11	Group4

Server Infrastructure

The contoso.com domain contains servers that run Windows Server 2022 as shown in the following table.

Name	Description
Server1	Contains a share named Share1
Server2	None
Server3	None
Server4	Has Remote Desktop enabled

By using Windows Firewall with Advanced Security, the servers have isolation connection security rules configured as shown in the following table.

Name	Endpoint 1	Endpoint2	Authentication mode
Server1	Any	Any	Request inbound and outbound
Server2	Any	Any	Require inbound and request outbound
Server3	Any	Any	Require inbound and outbound
DC1	Any	Any	Request inbound and outbound
DC2	Any	Any	Request inbound and outbound
DC3	Any	Any	Request inbound and outbound

Server4 has no connection security rules.

Server4 Configurations

Server4 has the effective Group Policy settings for user rights as shown in the following table.

Policy	Security Setting
Access this computer from the network	Group1, Administrators, Backup Operators, Everyone, Users
Deny access to this computer from the network	Group4
Allow log on through Remote Desktop Services	Group2, Administrators, Remote Desktop Users
Deny log on through Remote Desktop Services	Group3

Server4 has the disk configurations shown in the following exhibit.



Virtualization Infrastructure

The contoso.com domain has the Hyper-V failover clusters shown in the following table.

Name	Number of nodes	Number of virtual machines
Cluster1	6	18
Cluster2	4	12
Cluster3	2	6

Technical Requirements

Contoso identifies the following technical requirements:

Promote a new server named DC4 that runs to Windows Server 2022 to a domain controller.

Replicate the virtual machines from Cluster2 to an Azure Recovery Services vault.

Centrally manage performance alerts in Azure for all the domain controllers.

Ensure that User1 can recover objects from the Active Directory Recycle Bin.

Migrate Share1 to Server2, including all the share and folder permissions.

Back up Server4 and all data to an Azure Recovery Services vault.

Use Hyper-V Replica to protect the virtual machines in Cluster3.

Implement BitLocker Drive Encryption (BitLocker) on Server4.

Whenever possible, use the principle of least privilege.

QUESTION 1

You need to back up Server 4 to meet the technical requirements.
What should you do first?

- A. Deploy Microsoft Azure Backup Server (MABS).
- B. Configure Windows Server Backup.
- C. Install the Microsoft Azure Recovery Services (MARS) agent.
- D. Configure Storage Replica.

Correct Answer: C

Section:

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/backup/install-mars-agent>

QUESTION 2

You need to meet the technical requirements for Cluster3.
What should you include in the solution?

- A. Enable integration services on all the virtual machines.
- B. Add a Windows Server server role.
- C. Configure a fault domain for the cluster.
- D. Add a failover cluster role.

Correct Answer: D

Section:

Explanation:

The Hyper-V replica broker role is required on the cluster.

Reference:

<https://docs.microsoft.com/en-us/virtualization/community/team-blog/2012/20120327-why-is-thehyper-v-replica-broker-required>



QUESTION 3

You need to meet technical requirements for Share1.
What should you use?

- A. Storage Migration Service
- B. File Server Resource Manager (FSRM)
- C. Server Manager
- D. Storage Replica

Correct Answer: A

Section:

Explanation:

Reference:

<https://docs.microsoft.com/en-us/windows-server/storage/storage-migration-service/overview>

QUESTION 4

You need to meet the technical requirements for User1.
To which group in contoso.com should you add User1?

- A. Domain Admins
- B. Account Operators
- C. Schema Admins
- D. Backup Operators

Correct Answer: A

Section:

QUESTION 5

You are evaluating the technical requirements for Cluster2.

What is the minimum number of Azure Site Recovery Providers that you should install?

- A. 1
- B. 4
- C. 12
- D. 16

Correct Answer: B

Section:

QUESTION 6

Which domain controller should be online to meet the technical requirements for DC4?

- A. DC1
- B. DC2
- C. DC3

Correct Answer: A

Section:

QUESTION 7

HOTSPOT

You need to configure BitLocker on Server4.

On which volumes can you turn on BitLocker, and on which volumes can you turn on auto-unlock? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



BitLocker:

D only
C and D only
D, E, and F only
C, D, E, and F

Auto-unlock:

D only
C and D only
D, E, and F only
C, D, E, and F

Answer Area:

BitLocker:

D only
C and D only
D, E, and F only
C, D, E, and F

Auto-unlock:

D only
C and D only
D, E, and F only
C, D, E, and F

Section:

Explanation:

<https://docs.microsoft.com/en-us/windows-server/storage/refs/refs-overview>

<https://docs.microsoft.com/en-us/powershell/module/bitlocker/enablebitlockerautounlock?view=windowsserver2022-ps>

QUESTION 8

HOTSPOT

What is the effective minimum password length for User1 and Admin1? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



User1:

8
9
10
11
12

Admin1:

8
9
10
11
12

Answer Area:

User1:

8
9
10
11
12

Admin1:

8
9
10
11
12



Section:

Explanation:

Box 1: 9

When multiple PSOs apply to a user, the PSO with the highest precedence (lowest precedence number) applies which in this case is PSO1.

Box 2: 8

There are no PSOs applied to Admin1 so the password policy from the Default Domain GPO applies.

The Minimum password length setting in GPO1 would only apply to local user accounts on computers in OU1. It does not apply to domain user accounts.

QUESTION 9

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
User1 can sign in to Server4 by using Remote Desktop.	<input type="radio"/>	<input type="radio"/>
User2 can sign in to Server4 by using Remote Desktop.	<input type="radio"/>	<input type="radio"/>
User3 can sign in to Server4 by using Remote Desktop.	<input type="radio"/>	<input type="radio"/>

Answer Area:

Statements	Yes	No
User1 can sign in to Server4 by using Remote Desktop.	<input type="radio"/>	<input checked="" type="radio"/>
User2 can sign in to Server4 by using Remote Desktop.	<input checked="" type="radio"/>	<input type="radio"/>
User3 can sign in to Server4 by using Remote Desktop.	<input type="radio"/>	<input checked="" type="radio"/>

Section:

Explanation:



QUESTION 10

HOTSPOT

With which servers can Server1 and Server3 communicate? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Server1 can communicate with:

- Server2 only
- Server3 only
- Server2 and Server3 only
- Server2, Server3, and Server4
- None of the servers

Server3 can communicate with:

- Server2 only
- Server1 and Server2 only
- Server1 and Server4 only
- Server1, Server2, and Server4
- None of the servers

Answer Area:

Server1 can communicate with:

- Server2 only
- Server3 only
- Server2 and Server3 only
- Server2, Server3, and Server4
- None of the servers

Server3 can communicate with:

- Server2 only
- Server1 and Server2 only
- Server1 and Server4 only
- Server1, Server2, and Server4
- None of the servers

Section:

Explanation:

QUESTION 11

DRAG DROP

You need to meet the technical requirements for Cluster2.

Which four actions should you perform in sequence before you can enable replication? 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 an Azure Recovery Services vault.
- Install Azure Connected Machine agents.
- Install and register Azure Site Recovery Providers.
- Create and associate replication policies.
- Create a Hyper-V site.

Answer Area

- Create an Azure Recovery Services vault.
- Install Azure Connected Machine agents.
- Install and register Azure Site Recovery Providers.
- Create and associate replication policies.
- Create a Hyper-V site.

Correct Answer:

Actions

-
- Install Azure Connected Machine agents.
-
-
-

Answer Area

- Create an Azure Recovery Services vault.
- Create a Hyper-V site.
- Install and register Azure Site Recovery Providers.
- Create and associate replication policies.

Section:

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/site-recovery/hyper-v-azure-tutorial>

QUESTION 12

HOTSPOT

You need to implement alerts for the domain controllers. The solution must meet the technical requirements. What should you do on the domain controllers, and what should you create on Azure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



On the domain controllers:

- Create a Data Collector Set in Performance Monitor.
- Modify the Performance Monitor Users group.
- Install the Azure Monitor agent.

In Azure:

- Create an Azure SQL database.
- Create a Storage Sync Service.
- Create an Azure Log Analytics workspace.
- Create an Azure Storage account.

Answer Area:

On the domain controllers:

- Create a Data Collector Set in Performance Monitor.
- Modify the Performance Monitor Users group.
- Install the Azure Monitor agent.

In Azure:

- Create an Azure SQL database.
- Create a Storage Sync Service.
- Create an Azure Log Analytics workspace.
- Create an Azure Storage account.

Section:

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/agents/azure-monitor-agentoverview?tabs=PowerShellWindows> Mix Questions

Exam A

QUESTION 1

DRAG DROP

You have an on-premises Active Directory Domain Services (AD DS) domain that syncs with an Azure Active Directory (Azure AD) tenant. The AD DS domain contains a domain controller named DC1. DC1 does NOT have internet access.

You need to configure password security for on-premises users. The solution must meet the following requirements:

Prevent the users from using known weak passwords.

Prevent the users from using the company name in passwords.

What should you do? To answer, drag the appropriate configurations to the correct targets. Each configuration 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:

Configurations

- Configure Azure AD Identity Protection.
- Configure Azure AD Password Protection.
- Install the Azure AD Pass-through Authentication Agent.
- Install the Azure AD Password Protection DC agent.
- Install the Azure AD Password Protection proxy service.

Answer Area

- On DC1: Configuration
- On a member server: Configuration
- In Azure: Configuration

Correct Answer:

Configurations

- Configure Azure AD Identity Protection.
-
- Install the Azure AD Pass-through Authentication Agent.
-
-

Answer Area

- On DC1: Install the Azure AD Password Protection DC agent.
- On a member server: Install the Azure AD Password Protection proxy service.
- In Azure: Configure Azure AD Password Protection.

Section:

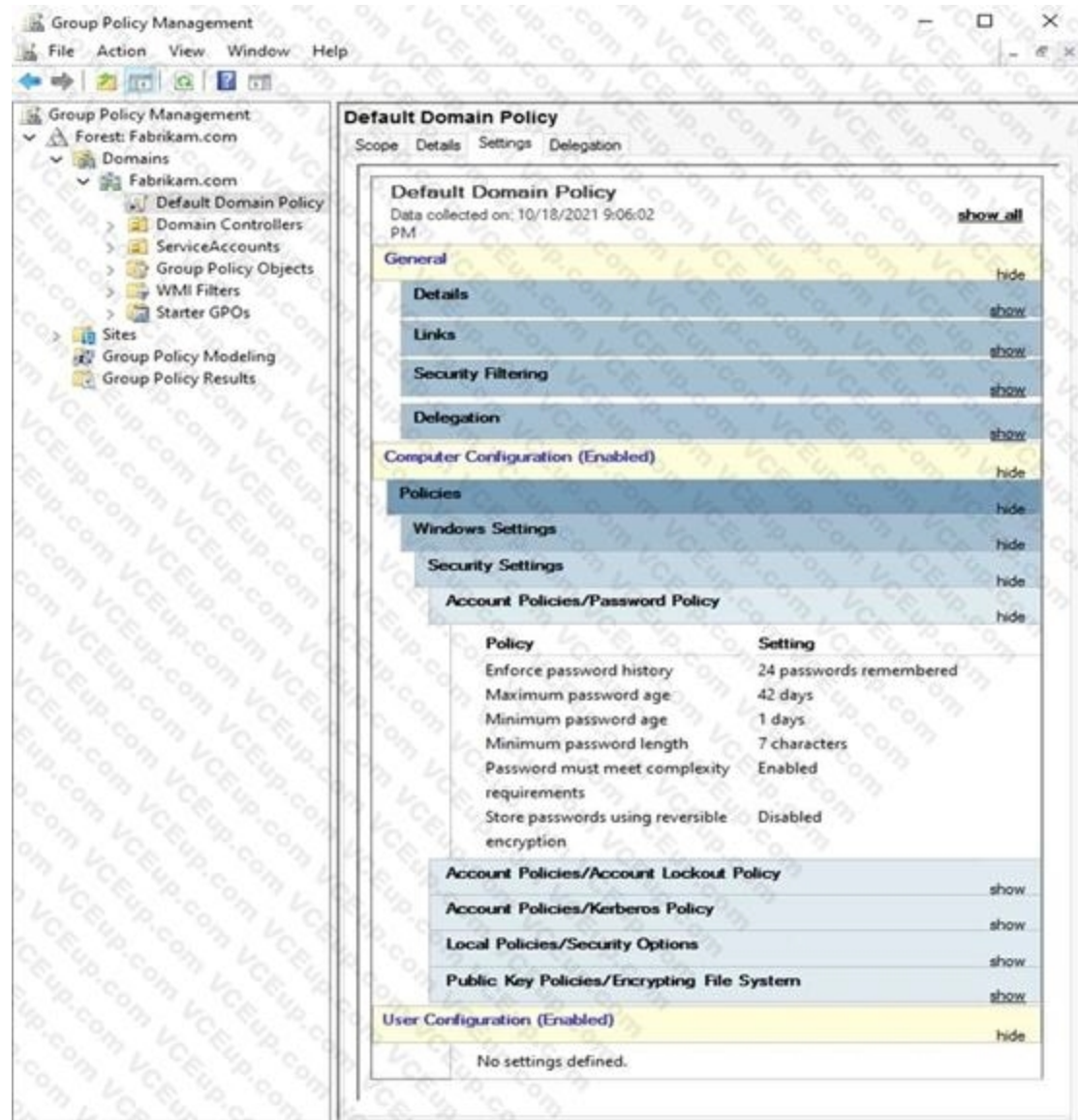
Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-password-ban-badon-premises-deploy>

QUESTION 2

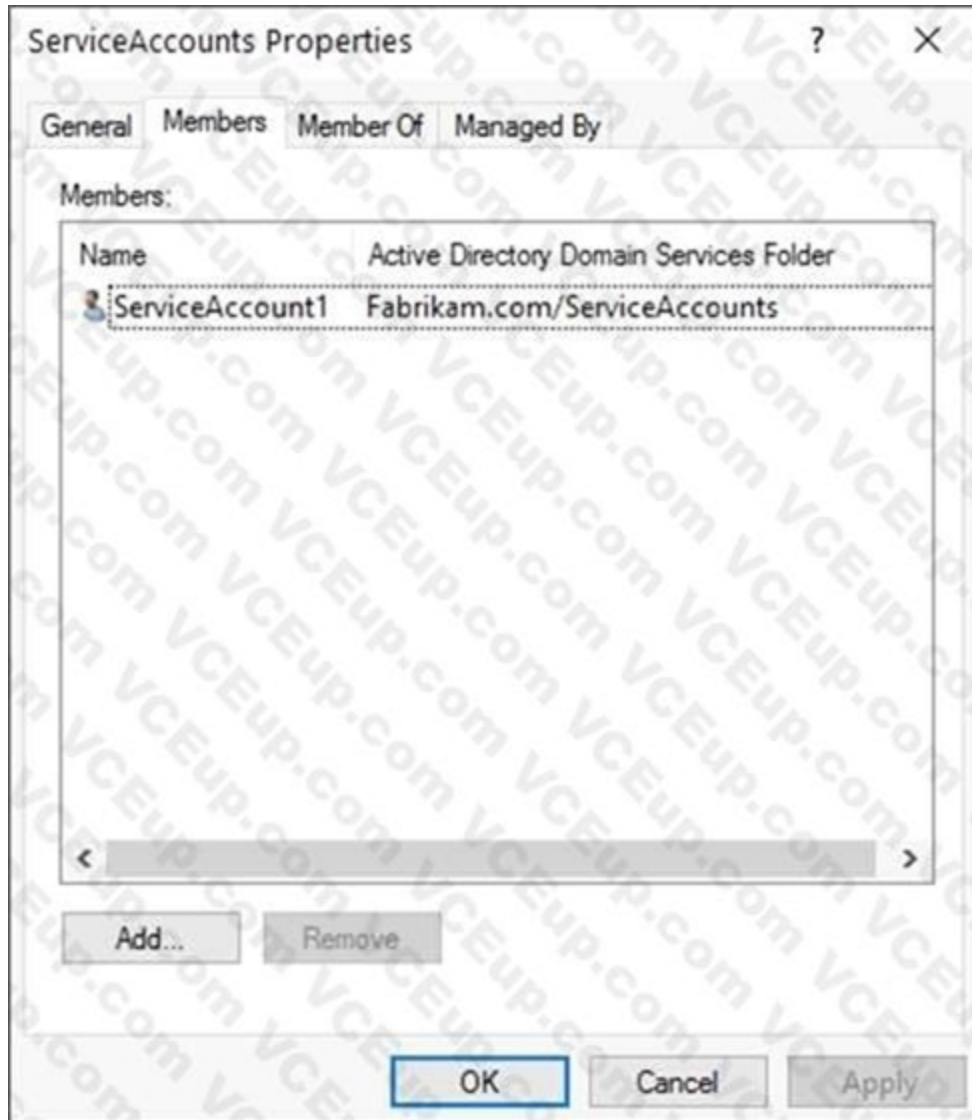
HOTSPOT

The Default Domain Policy Group Policy Object (GPO) is shown in the GPO exhibit. (Click the GPO tab.)

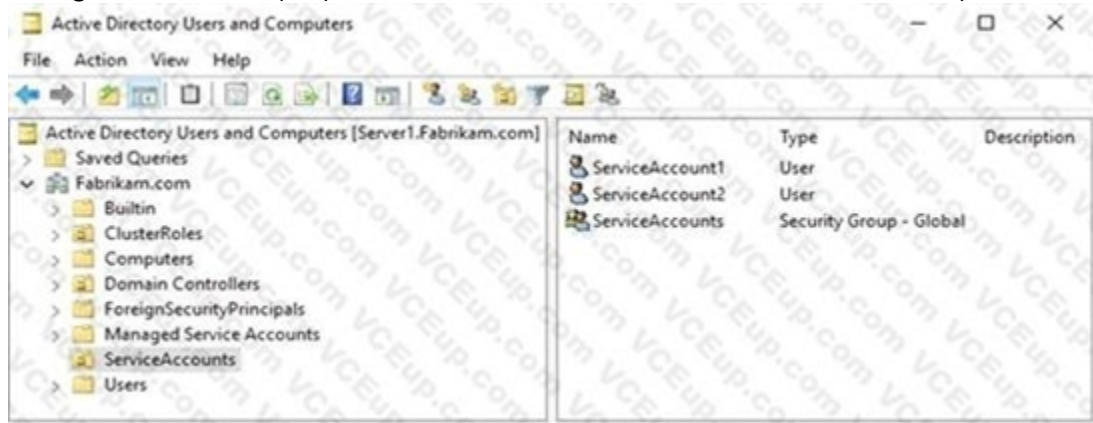


The members of a group named Service Accounts are shown in the Group exhibit. (Click the Group tab.)

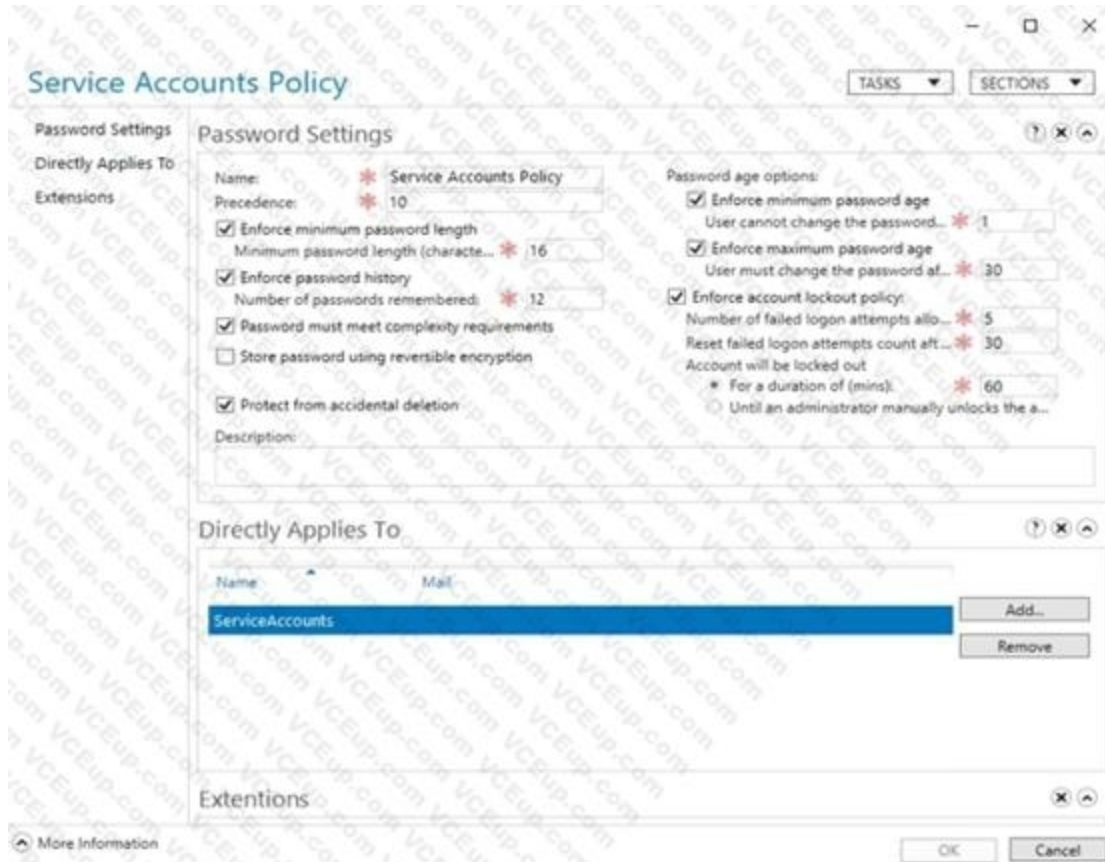




An organizational unit (OU) named ServiceAccounts is shown in the OU exhibit. (Click the OU tab.)



You create a Password Settings Object (PSO) as shown in the PSO exhibit. (Click the PSO tab.)



For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
The password of ServiceAccount1 must be at least 16 characters long.	<input type="radio"/>	<input type="radio"/>
The password of ServiceAccount2 must be at least 16 characters long.	<input type="radio"/>	<input type="radio"/>
Accounts that have the Service Accounts Policy applied can change their password to P@\$w0rd1.	<input type="radio"/>	<input type="radio"/>

Answer Area:

Statements	Yes	No
The password of ServiceAccount1 must be at least 16 characters long.	<input checked="" type="radio"/>	<input type="radio"/>
The password of ServiceAccount2 must be at least 16 characters long.	<input type="radio"/>	<input checked="" type="radio"/>
Accounts that have the Service Accounts Policy applied can change their password to P@\$w0rd1.	<input checked="" type="radio"/>	<input type="radio"/>

Section:

Explanation:

QUESTION 3

DRAG DROP

Your network contains an Active Directory Domain Services (AD DS) domain.

You need to implement a solution that meets the following requirements:

Ensures that the members of the Domain Admins group are allowed to sign in only to domain controllers Ensures that the lifetime of Kerberos Ticket Granting Ticket (TGT) for the members of the Domain Admins group is limited to one hour 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

- Create a Dynamic Access Control central access policy.
- Configure the Kerberos Policy settings for the Default Domain Policy Group Policy Object (GPO).
- Create a Dynamic Access Control claim type.
- Create an authentication policy.
- Assign the authentication policy silo to user and computer accounts.
- Create an authentication policy silo.

Answer Area



Correct Answer:

Actions

- Create a Dynamic Access Control central access policy.
- Configure the Kerberos Policy settings for the Default Domain Policy Group Policy Object (GPO).
- Create a Dynamic Access Control claim type.
-
-
-

Answer Area

- Create an authentication policy.
- Create an authentication policy silo.
- Assign the authentication policy silo to user and computer accounts.

Section:

Explanation:

Reference:

<https://docs.microsoft.com/en-us/windows-server/identity/ad-ds/manage/how-to-configureprotected-accounts>

QUESTION 4

HOTSPOT

Your network contains an Active Directory Domain Services (AD DS) domain named contoso.com.

Name	Contents
Domain Controllers	All the domain controllers in the domain
Domain Servers	All the servers that run Windows Server in the domain
Domain Client Computers	All the client computers that run Windows 10 in the domain
Domain Users	All the users in the domain

The domain contains the organizational units (OUs) shown in the following table.

Name	IPsec setting
GPO1	Require authentication by using Kerberos V5 for inbound connections
GPO2	Request authentication by using Kerberos V5 for inbound connections
GPO3	Require authentication by using X.509 certificates for inbound connections
GPO4	Request authentication by using X.509 certificates for inbound connections

In the domain, you create the Group Policy Objects (GPOs) shown in the following table.

You need to implement IPsec authentication to ensure that only authenticated computer accounts can connect to the members in the domain. The solution must minimize administrative effort. Which GPOs should you apply to the Domain Controllers OU and the Domain Servers OU? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

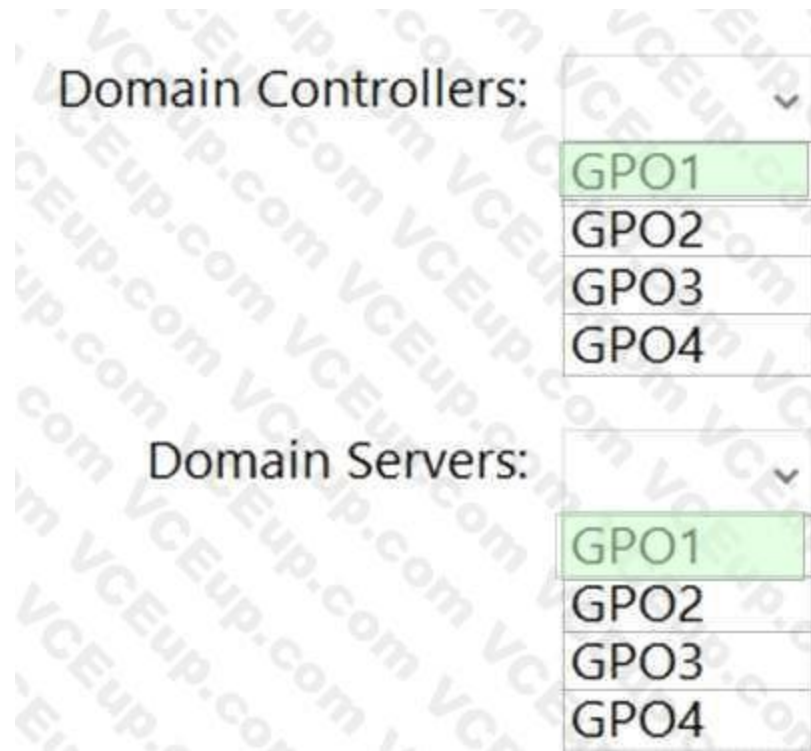
Hot Area:

Domain Controllers:

Domain Servers:

Answer Area:





Section:

Explanation:

<https://docs.microsoft.com/en-us/windows/security/threat-protection/windows-firewall/configure> Questions & Answers PDF P-45 authentication-methods

QUESTION 5

HOTSPOT

Your network contains an Active Directory Domain Services (AD DS) forest. The forest contains the domains shown in the following table.



Name	Domain controller	Configuration
fabrikam.com	DC1	PDC emulator
	DC2	Infrastructure master
	DC3	Read-only domain controller (RODC)
eu.fabrikam.com	DC4	PDC emulator
	DC5	Infrastructure master
	DC6	Read-only domain controller (RODC)

You are implementing Microsoft Defender for Identity sensors.

You need to install the sensors on the minimum number of domain controllers. The solution must ensure that Defender for Identity will detect all the security risks in both the domains. What should you identify? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Domain controllers that require the sensors:

- DC1 and DC4 only
- DC2 and DC5 only
- DC1, DC2, DC4, and DC5 only
- All the domain controllers in the forest

Authentication information that must be provided during the sensor installation:

- An AD DS group managed service account (gMSA)
- A cloud-only user from Azure Active Directory (Azure AD)
- The access key generated by the Microsoft Defender for Identity portal

Answer Area:

Domain controllers that require the sensors:

- DC1 and DC4 only
- DC2 and DC5 only
- DC1, DC2, DC4, and DC5 only
- All the domain controllers in the forest

Authentication information that must be provided during the sensor installation:

- An AD DS group managed service account (gMSA)
- A cloud-only user from Azure Active Directory (Azure AD)
- The access key generated by the Microsoft Defender for Identity portal

Section:

Explanation:

QUESTION 6

HOTSPOT

You have a failover cluster named FC1 that contains two nodes named Server1 and Server2. FC1 is configured to use a file share witness. You plan to configure FC1 to use a cloud witness. You need to configure Azure Storage accounts for the cloud witness.

Which storage account type and authorization method should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Storage account type:

- Premium block blobs
- Premium file shares
- Premium page blobs
- Standard

Authentication method:

- Access key
- Shared access signature (SAS)
- System-assigned managed identity in Azure Active Directory (Azure AD)
- User-assigned managed identity in Azure Active Directory (Azure AD)

Answer Area:

Storage account type:

Premium block blobs
Premium file shares
Premium page blobs
Standard

Authentication method:

Access key
Shared access signature (SAS)
System-assigned managed identity in Azure Active Directory (Azure AD)
User-assigned managed identity in Azure Active Directory (Azure AD)

Section:

Explanation:

Reference:

<https://docs.microsoft.com/en-us/windows-server/failover-clustering/deploy-cloud-witness>

QUESTION 7

DRAG DROP

You have three servers named Server1, Server2, Server3 that run Windows Server and have the Hyper-V server role installed. You plan to create a hyper-converged cluster to host Hyper-V virtual machines. You need to ensure that you can store virtual machines in Storage Spaces Direct.

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

- Create a failover cluster.
- Create a Distributed File System (DFS) namespace.
- Enable Storage Spaces Direct.
- Create a volume.
- Add a Scale-Out File Server for application role.
- Create a file share.

Answer Area

Correct Answer:

Actions

Create a Distributed File System (DFS) namespace.

Add a Scale-Out File Server for application role.

Create a file share.

Answer Area

Create a failover cluster.

Enable Storage Spaces Direct.

Create a volume.

Section:**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/system-center/vmm/s2d-hyper-converged?view=sc-vmm-2019>

QUESTION 8**HOTSPOT**

You have the servers shown in the following table.

Name	Operating system	Configuration	Install option
Server1	Windows Server 2012 R2	File server	Server Core
Server2	Windows Server 2022	File server	Server Core
Server3	Windows Server 2016	Domain controller	Server with Desktop Experience

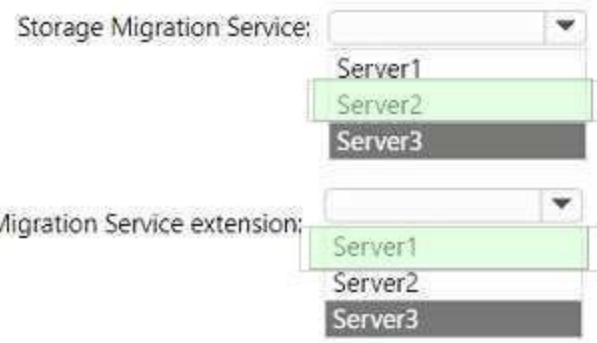
You plan to migrate file shares from Server1 to Server2.

Hot Area:

Storage Migration Service:

Storage Migration Service extension:

Answer Area:



Section:

Explanation:

QUESTION 9

You have an on-premises server named Served that runs Windows Server. You have an Azure subscription. You plan to back up the files and folders on Server1 to Azure by using Azure Backup. You need to define how long the backups will be retained. What should you use to configure the retention?

- A. Backup center
- B. Windows Server Backup
- C. the Microsoft Azure Recovery Services (MARS) agent
- D. a Recovery Services vault

Correct Answer: B

Section:



QUESTION 10

You have an Azure subscription. The subscription contains a virtual machine named VM1 that runs Windows Server. The subscription contains the storage accounts shown in the following table.

Name	Performance	Premium account type	Redundancy
storage1	Standard	Not applicable	Geo-redundant storage (GRS)
storage2	Standard	Not applicable	Zone-redundant storage (ZRS)
storage3	Premium	Block blobs	Locally-redundant storage (LRS)
storage4	Premium	File shares	Locally-redundant storage (LRS)

You plan to enable boot diagnostics for VM1.

You need to configure storage for the boot diagnostics logs and snapshots.

Which storage account should you use?

- A. storage1
- B. storage2
- C. storage3

Correct Answer: C

Section:

QUESTION 11

Your on-premises network has a 200-Mbps connection to Azure and contains a server named Server1 that stores 70 TB of data files. You have an Azure Storage account named storage 1.

You plan to migrate the data files from Server1 to a blob storage container in storage!. Testing shows that copying the data files by using azcopy will take approximately 35 days. You need to minimize how long it will take to

migrate the data to Azure.
What should you use?

- A. Storage Migration Service
- B. Azure Storage Explorer
- C. Azure Data Box
- D. Azure File Sync

Correct Answer: A
Section:

QUESTION 12

You have an Azure virtual machine named VM1 that runs Windows Server.

When you attempt to install the Azure Performance Diagnostics extension on VM1, the installation fails. You need to identify the cause of the installation failure.

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

NOTE: Each correct selection is worth one point.

- A. Sign in to VM1 and verify the WaAppAgentlog file.
- B. From the Azure portal, view the alerts for VM1.
- C. From the Azure portal, view the activity log for VM1.
- D. Sign into VM1 and verify the MonitoringAgentlog file.

Correct Answer: A, B
Section:



QUESTION 13

Your network contains an Active Directory Domain Services (AD DS) domain. The domain contains 20 Active Directory sites. All user management is performed from a central site. You add users to a group.

You discover that group changes do NOT appear on a domain controller in a remote site.

You need to identify whether the group changes appear on other domain controllers.

What should you use?

- A. Microsoft Support and Recovery Assistant
- B. File Replication Service (FRS) Status Viewer
- C. Active Directory Replication Status Tool
- D. Active Directory Sites and Services

Correct Answer: C
Section:

QUESTION 14

You have five Azure virtual machines. You have a dedicated Azure Storage account to collect performance data. You need to send the collected data directly to the Azure Storage account. What should you install on the virtual machines?

- A. the Telegraf agent
- B. the Azure Monitor agent
- C. the Dependency agent
- D. the Azure Diagnostics extension

E. the Azure Connected Machine agent

Correct Answer: E

Section:

QUESTION 15

You have three servers named Server 1, Server2 and Server3 that run Windows Server. The servers have the Hyper-V server role installed and are configured in a Storage Spaces Deed cluster named Cluster1. Cluster1 hosts a virtual machine named VM1 that has Windows Admin Center Installed.

You manage all servers and clusters by using Windows Admin Center.

You purchase an Azure subscription.

You need to configure email alerts in Azure Monitor for the following:

- Disk Capacity Utilization Over 80% for 10 Minutes
- Any critical alert in the cluster system event log
- Memory Utilization over 95% for 10 minutes
- Heartbeat fewer than 5 beats for 5 Minutes.
- CPU Utilization over 85 % for 10 Minutes.
- Any hearth service faults for the cluster

The solution must use the minimum amount of administrative effort.

What should you do?

- A. From Windows Admin Center, configure Azure Monitor and onboard clustered.
- B. From Azure portal, configure Azure Monitor and onboard Cluster1 by using Azure Arc.
- C. Configure Azure Monitor and manually install the Microsoft Monitoring Agent on Server1, Server2 and Server3

Correct Answer: B

Section:

QUESTION 16

You have a three-node failover cluster.

You need to run pre-scripts and post-scripts when Cluster-Aware Updating (CAU) runs. The solution must minimize administrative effort. What should you use?

- A. Scheduled tasks
- B. Run profiles
- C. Azure Functions
- D. Windows Server Update Serveries (WSUS)

Correct Answer: B

Section:

QUESTION 17

You have two Azure Virtual machines that run Windows Server.

You plan to create a failover cluster that will host the virtual machines.

You need to configure an Azure Storage account that will be used by the cluster as a cloud witness. The solution must maximize resiliency.

Which type of redundancy should you configure for the storage account?

- A. Geo-zone-redundant storage (GZRS)
- B. Geo-redundant storage (GRS)
- C. Zone-redundant storage (ZRS)



D. Locally-redundant storage (LRS)

Correct Answer: C

Section:

QUESTION 18

Your company uses Storage Spaces Direct.

You need to view the available storage in a Storage Space Direct storage pool.

What should you use?

- A. The Get-StoragefileServer cmdlet
- B. Resource Monitor
- C. System Configuration
- D. Windows Admin Center

Correct Answer: D

Section:

QUESTION 19

Your network contains an Active Directory Domain Service (AD DS) domain named contoso.com. The domain contains three domain controllers named DC1, DC2, and DC3. You connect a Microsoft Defender or identity instances to the domain.

You need to onboard all the domain controllers to Defender for identity.

What should you run the domain controllers?

- A. AzureConnectedMachineAgent,wsl
- B. MARAgentInstaller,exe
- C. Azure ATP Sensor setup,exe
- D. MASetup-AMD64,exe

Correct Answer: C

Section:

QUESTION 20

You have a server named Server1 that runs Windows Server.

You need to ensure that only specific applications can modify the data in protected folders on Server1. Solution: From App & browser control, you configure the Reputation-based protection.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

QUESTION 21

You deploy Azure Migrate to an on-premises network.

You have an on-premises physical server named Server1 that runs Windows Server and has the following configuration. Operating system disk 600 GB

Data disc 3 TB

NIC Teaming: Enabled



Mobility service: installed
Windows Firewall: Enabled
Microsoft Defender Antivirus: Enabled
You need to ensure that you can use Azure Migrate to migrate Server1.
Solution: You disable Microsoft Defender Antivirus on Server1.
Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B
Section:

QUESTION 22

You deploy Azure Migrate to an on-premises network.
You have an on-premises physical server named Server1 that runs Windows Server and has the following configuration. Operating system disk 600 GB
Data disc 3 TB
NIC Teaming: Enabled
Mobility service: installed
Windows Firewall: Enabled
Microsoft Defender Antivirus: Enabled
You need to ensure that you can use Azure Migrate to migrate Server1.
Solution: You disable Windows Firewall on Server1.
Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B
Section:

QUESTION 23

You deploy Azure Migrate to an on-premises network.
You have an on-premises physical server named Server1 that runs Windows Server and has the following configuration. * Operating system disk 600 GB
* Data disc 3 TB
* NIC Teaming: Enabled
* Mobility service: installed
* Windows Firewall: Enabled
* Microsoft Defender Antivirus: Enabled
You need to ensure that you can use Azure Migrate to migrate Server1.
Solution: You shrink the data disk on Server1.
Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B
Section:



QUESTION 24

You have three servers named Server1, Server2, and Server3 that run Windows Server and have the Hyper-V server role installed. Server 1 hosts an Azure Migrate appliance named Migrate1. You plan to migrate virtual machines to Azure.

You need to ensure that any new virtual machines created on Server 1, Server2, and Server3 are available in Azure Migrate. What should you do?

- A. On Migrate1, add a discovery source.
- B. On the DNS server used by Migrate 1, create a GlobalName zone.
- C. On Migrate1, set the Startup Type of the Computer Browser service to Automatic.
- D. On the network that has Migrate1 deployed, deploy a WINS server.

Correct Answer: A

Section:

QUESTION 25

Your network contains an Active Directory Domain Services (AD DS) domain. All domain members have Microsoft Defender Credential Guard with UEFI lock configured in the domain. You deploy a server named Server1 that runs Windows Server. You disable Credential Guard on Server1. You need to ensure that Server1 is MOST subject to Credential Guard restrictions. What should you do next?

- A. Run the Device Guard and Credential Guard hardware readiness tool.
- B. Disable the Turn on Virtualization Based Security group policy setting.
- C. Run dism and specify the /Disable-Feature and /FeatureName:IsolatedUserMode parameters.

Correct Answer: B

Section:

QUESTION 26

You have a failover cluster named Cluster1 that hosts an application named App1.

The General tab in App1 Properties is shown in the General exhibit (Click the General tab). The failover tab in App1 Properties is shown in the failover exhibit (Click the Failover tab.) Server 1 shuts down unexpectedly.

You need to ensure that when you start Server 1, App1 continues to run on Server2. Solution: From the General settings, you increase the priority of Server2 in the Preferred Owners list. Does this meet the goal?

- A. Yes
- B. NO

Correct Answer: B

Section:

QUESTION 27

You deploy Azure Migrate to an on-premises network.

You have an on-premises physical server named Server1 that runs Windows Server and has the following configuration. * Operating system disk 600 GB

- * Data disk 3 TB
- * NIC Teaming: Enabled
- * Mobility service: installed
- * Windows Firewall: Enabled
- * Microsoft Defender Antivirus: Enabled

You need to ensure that you can use Azure Migrate to migrate Server1.

Solution: You disable NIC Teaming on Server1.

Does this meet the goal?

- A. Yes



B. No

Correct Answer: B

Section:

QUESTION 28

HOTSPOT

You have a failover cluster named Cluster1 that contains three Windows Server nodes named Node 1, Node2. and Node3. You need to deploy a Storage Spaces Direct virtual disk to Cluster1.

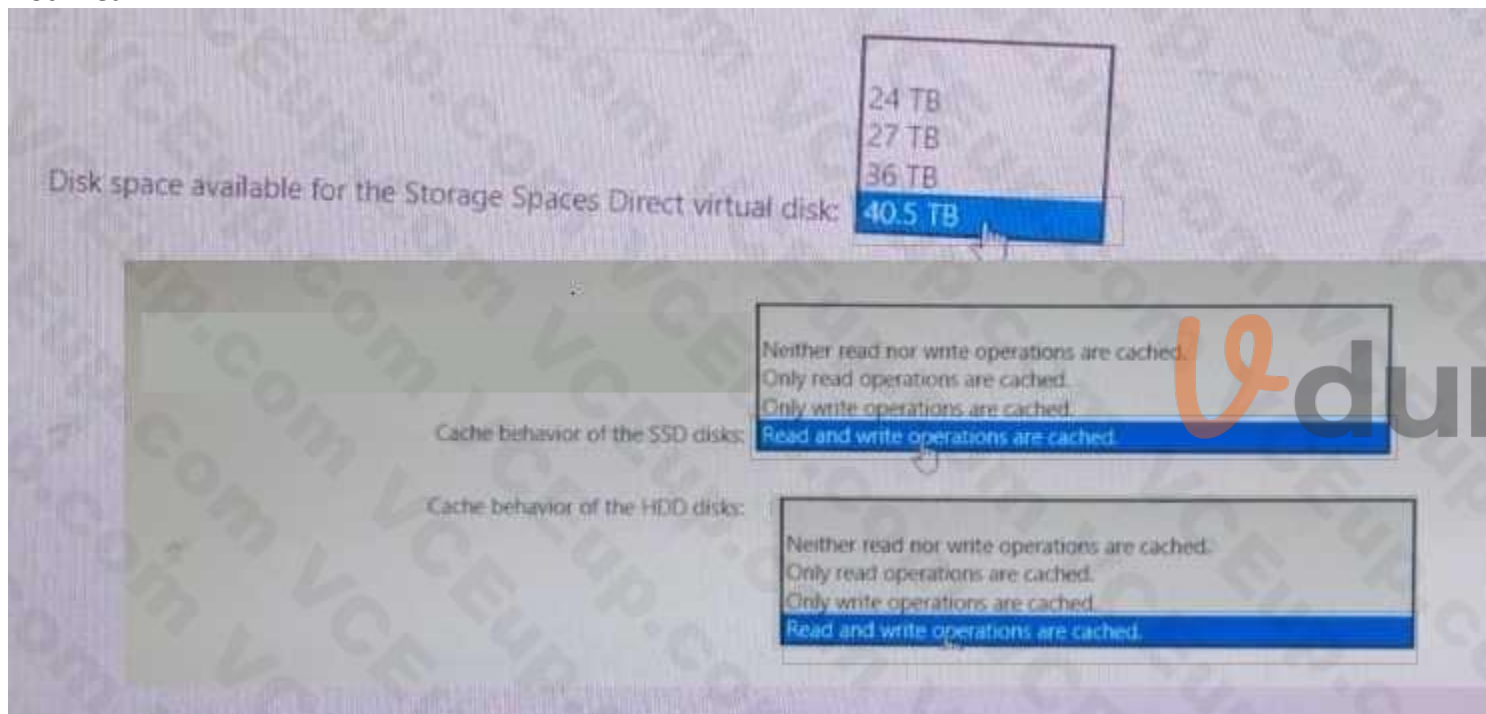
You add the following disks to each node:

- Three 512-6B NVMe disks
- Three 3-TB disks
- Three 1-TB SSD disks

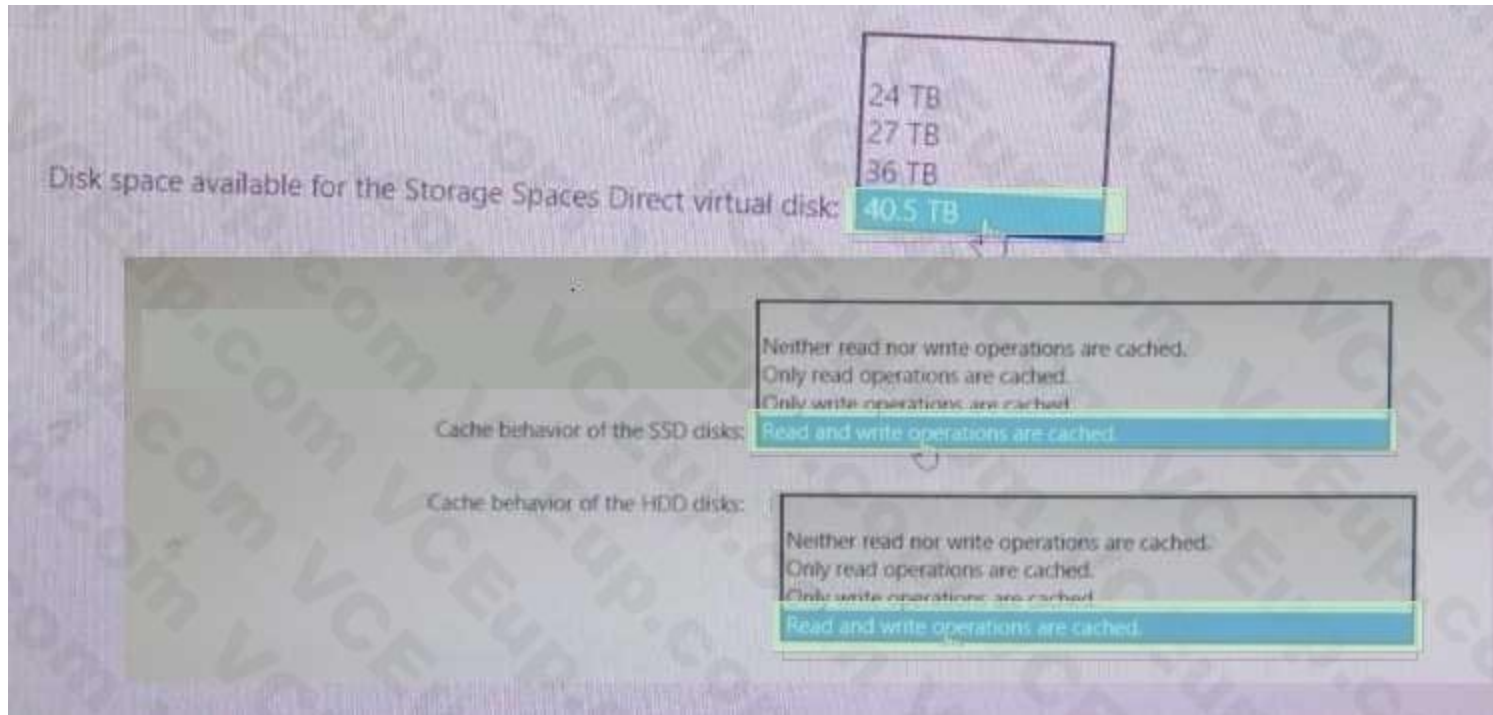
On Cluster1. you enable Storage Spaces Direct and add the new disks.

What is the total amount of disk space available for the Storage Spaces Direct virtual disk, and which operations are cached for the SSD and HDD disks? To answer, select the appropriate options in the answer area.

Hot Area:



Answer Area:



Section:

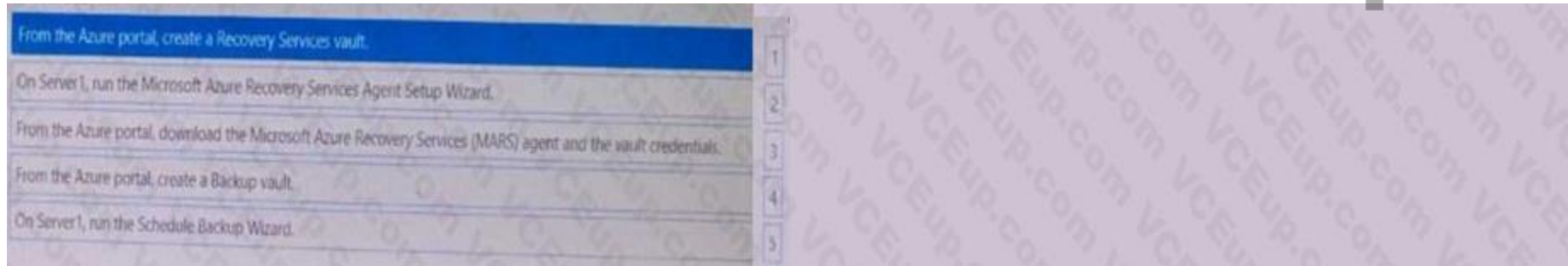
Explanation:

QUESTION 29

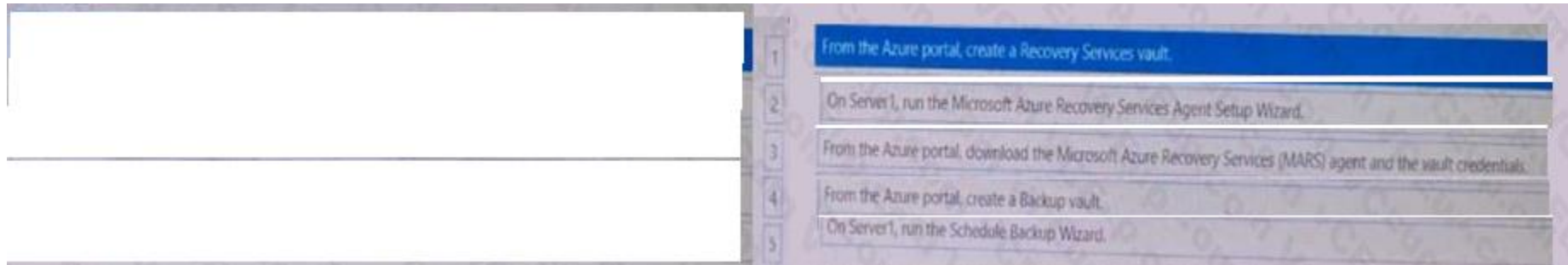
DRAG DROP

You have an on-premises server named Server1 that runs Windows Server. You need to perform an on-demand backup of the files on Server 1 by using Azure Backup. Which five 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:



Correct Answer:



Section:

Explanation:

QUESTION 30

HOTSPOT

Your network contains an Active Directory Domain Services (AD DS) domain. The domain contains three servers named Server1, Server2, and Server3 that run Windows Server. All the servers are on the same network and have network connectivity.

On Server1, Windows Defender Firewall has a connection security rule that has the following settings:

- Rule Type: Server-to-server
- Endpoint 1: Any IP address
- Endpoint 2: Any IP address
- Requirements: Require authentication for inbound connections and request authentication for outbound connections • Authentication Method: Computer (Kerberos V5)
- Profile: Domain, Private, Public
- Name: Rule1

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements

When Server1 establishes a network connection with Server2, the connection is encrypted.

Yes

No

Server2 can establish a network connection with Server3.

When Server3 establishes a network connection with Server1, the connection is encrypted.

Answer Area:

Answer Area

Statements

When Server1 establishes a network connection with Server2, the connection is encrypted.

Yes

No

Server2 can establish a network connection with Server3.

When Server3 establishes a network connection with Server1, the connection is encrypted.

Section:

Explanation:

QUESTION 31

DRAG DROP

You have an Azure subscription that contains an Azure key vault named Vault1.

You plan to deploy a virtual machine named VM1 that will run Windows Server.

You need to enable encryption at host for VM1. The solution must use customer-managed keys.

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

- Create VM1 and associate the disks of the virtual machine with the disk encryption set.
- Assign the Virtual Machine Contributor role to the system-assigned managed identity of VM1.
- Enable a system-assigned managed identity on VM1.
- Create a disk encryption set and generate RSA keys.
- Grant Vault1 the managed identity permission for the disk encryption set.

Answer Area

Navigation icons: > < (left of actions), < > (right of answer area)

Correct Answer:

Actions

- Create VM1 and associate the disks of the virtual machine with the disk encryption set.
- Assign the Virtual Machine Contributor role to the system-assigned managed identity of VM1.
-
-
-

Answer Area

- Enable a system-assigned managed identity on VM1.
- Create a disk encryption set and generate RSA keys.
- Grant Vault1 the managed identity permission for the disk encryption set.

Navigation icons: > < (left of actions), < > (right of answer area)

Section:

Explanation:

QUESTION 32

HOTSPOT

You have an on-premises server that runs Windows Server and contains a folder named Folder1. Folder1 contains 50 GB of files. You have an Azure subscription that contains an Azure Files share named share1.

You need to migrate the data in Folder1 to share1.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Deploy to Azure:

- An Azure Storage account
- ArcBox
- An Azure Migrate project
- An on-premises data gateway
- An Azure Storage account**
- A Storage Sync Service instance

Install on Server1:

- The Azure File Sync agent
- The Azure Connected Machine agent
- The Azure File Sync agent**
- Storage Migration Service
- Storage Replica

Answer Area:

Answer Area

Deploy to Azure:

- An Azure Storage account
- ArcBox
- An Azure Migrate project
- An on-premises data gateway
- An Azure Storage account**
- A Storage Sync Service instance

Install on Server1:

- The Azure File Sync agent
- The Azure Connected Machine agent
- The Azure File Sync agent**
- Storage Migration Service
- Storage Replica

Section:

Explanation:

QUESTION 33

You have two Azure virtual networks named Vnet1 and Vnet2.

You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN. You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit Vnet2 can use the remote gateway. You discover that Client1 cannot communicate with Vnet2.

You need to ensure that Client1 can communicate with Vnet2.

Solution: You enable BGP on the gateway of Vnet1.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

QUESTION 34

You have two Azure virtual networks named Vnet1 and Vnet2.

You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN. You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit Vnet2 can use the remote gateway. You discover that Client1 cannot communicate with Vnet2.

You need to ensure that Client1 can communicate with Vnet2.

Solution: You download and reinstall the VPN client configuration.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A

Section:

QUESTION 35

You have two Azure virtual networks named Vnet1 and Vnet2.

You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN. You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit Vnet2 can use the remote gateway. You discover that Client1 cannot communicate with Vnet2.

You need to ensure that Client1 can communicate with Vnet2.

Solution: You resize the gateway of Vnet1 to a larger SKU.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

Explanation:

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 have an on-premises server named Server1 that runs Windows Server.

You have a Microsoft Sentinel instance.

You add the Windows Firewall data connector in Microsoft Sentinel.

You need to ensure that Microsoft Sentinel can collect Windows Firewall logs from Server1.

Solution: You install the Log Analytics agent on Server1

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A
Section:

QUESTION 37

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 on-premises server named Server1 that runs Windows Server.

You have a Microsoft Sentinel instance.

You add the Windows Firewall data connector in Microsoft Sentinel.

You need to ensure that Microsoft Sentinel can collect Windows Firewall logs from Server1.

Solution: You onboard Server1 to Microsoft Defender for Endpoint.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A
Section:



QUESTION 38

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 on-premises server named Server1 that runs Windows Server.

You have a Microsoft Sentinel instance.

You add the Windows Firewall data connector in Microsoft Sentinel.

You need to ensure that Microsoft Sentinel can collect Windows Firewall logs from Server1.

Solution: You install the Microsoft Integration Runtime on Server1.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B
Section:

QUESTION 39

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.

You need to ensure that only specific applications can modify the data in protected folders on Server1.

Solution: From App & browser control, you configure Reputation-based protection.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

Explanation:

QUESTION 40

You have an Azure virtual machine named VM1 that runs Windows Server.

The operating system on VM1 fails to fully initialize its network stack, and you cannot establish a network connection.

You need to establish an interactive shell session.

What should you use?

- A. Azure Bastion
- B. Serial console
- C. just-in-time (JIT) VM access

Correct Answer: A

Section:

QUESTION 41

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 on-premises server named Server1 that runs Windows Server.

You have a Microsoft Sentinel instance.

You add the Windows Firewall data connector in Microsoft Sentinel1.

You need to ensure that Microsoft Sentinel can collect Windows Firewall logs from Server1.

Solution: You install the Azure Connected Machine agent on Server1.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

QUESTION 42

Your network contains an Active Directory Domain Services (AD DS) forest. The forest functional level is Windows Server 2012 R2. The forest contains the domains shown in the following table.



Name	Operating system of all domain controllers	Domain functional level
contoso.com	Windows Server 2016	Windows Server 2012 R2
east.contoso.com	Windows Server 2019	Windows Server 2016

You create a user named Admin1.

You need to ensure that Admin1 can add a new domain controller that runs Windows Server 2022 to the east.contoso.com domain. The solution must follow the principle of least privilege. To which groups should you add Admin1?

- A. EAST\Domain Admins only
- B. CONTOSO\Enterprise Admins only
- C. CONTOSO\Schema Admins and EAST\Domain Admins
- D. CONTOSO\Enterprise Admins and CONTOSO\Schema Admins

Correct Answer: C

Section:

QUESTION 43

Your network contains a single-domain Active Directory Domain Services (AD DS) forest named contoso.com. The functional level of the forest is Windows Server 2012 R2. All domain controllers run Windows Server 2012 R2. Sysvol replicates by using the File Replication Service (FRS).

You plan to replace the existing domain controllers with new domain controllers that will run Windows Server 2022. You need to ensure that you can add the first domain controller that runs Windows Server 2022.

Solution; You raise the domain and forest functional levels.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Section:

QUESTION 44

DRAG DROP

You have an on-premises IIS web server that hosts a web app named App1. You plan to migrate App1 to a container and run the container in Azure. You need to perform the following tasks:

- Export App1 to a ZIP file.
- Create a container image based on App1.

The solution must minimize administrative effort.

Select and Place:

- Azure Migrate
- The Azure portal
- Web Deploy
- Windows Admin Center
- Windows Server Migration Tools

Answer Area

Export App1 to a ZIP file:

Create a container image with App1:



Correct Answer:

The Azure portal

Windows Admin Center

Windows Server Migration Tools

Answer Area

Export App1 to a ZIP file: Azure Migrate

Create a container image with App1: Web Deploy

Section:

Explanation:

QUESTION 45

Your network contains an Active Directory Domain Services (AD DS) forest.

You need to deploy a Storage Spaces Direct converged infrastructure. The solution must meet the following requirements:

- * Use an Ethernet fabric
- * Eliminate the need for Data Center Bridging (DCB).

Which Remote Direct Memory Access (RDMA) networking technology should you implement?

- A. InfiniBand
- B. RoCEv2
- C. iWARP
- D. RoCEv1

Correct Answer: B

Section:

QUESTION 46

HOTSPOT

You have an Azure subscription.

You plan to deploy a virtual machine named VM1 to the East US Azure region and use Azure Site Recovery between availability zones.

You need to configure the disks on VM1 and the virtual network. The solution must meet the following requirements:

- * Maximize the availability of VM1.
- * Maintain the private IP address of VM1 during failover and failback operations.

What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Disk configuration: Zone-redundant Storage (ZRS) Premium SSD

Virtual network configuration: One virtual network and two subnets



Answer Area:

Answer Area

Disk configuration:

- Zone-redundant Storage (ZRS) Premium SSD
- Locally-redundant storage (LRS) Premium SSD
- Zone-redundant Storage (ZRS) Premium SSD
- Zone-redundant Storage (ZRS) SSD

Virtual network configuration:

- One virtual network and one subnet
- One virtual network and two subnets
- Two virtual networks and two subnets

Section:

Explanation:

QUESTION 47

Your network contains an on-premises Active Directory Domain Services (AD DS) domain. The domain contains two virtual machines named VM1 and VM2 that run Windows Server.

You plan to implement a failover cluster named Cluster1 that will use VM1 and VM2 as nodes.

You need to ensure that Cluster1 can use floating IP addresses.

Which two components should you deploy? Each correct answer presents part-of the solution.

NOTE: Each correct selection is worth one point.

- A. Network Load Balancing (NLB)
- B. the Multipoint Services role
- C. the Network Controller role
- D. the Host Guardian Service role
- E. Software Load Balancer (SLB)

Correct Answer: A, D

Section:

