Exam Code: AZ-801
Exam Name: Configuring Windows Server Hybrid Advanced Services

Case Study 01

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

Fabrikam, Inc. is a manufacturing company that has a main office in Chicago and a branch office in Paris.

Existing Environment

Identity Infrastructure

Fabrikam has an Active Directory Domain Services (AD DS) forest that syncs with an Azure Active Directory (Azure AD) tenant. The AD DS forest contains two domains named corp.fabrikam.com and europe.fabrikam.com.

Chicago Office On-Premises Servers

The office in Chicago contains on-premises servers that run Windows Server 2016 as shown in the following table.

Name	Type	Configuration
HV1	Physical	Hyper-V host
HV2	Physical	Hyper-V host
APP1	Virtual machine	Application server
APP2	Virtual machine	Application server
APP3	Virtual machine	Application server
APP4	Virtual machine	Application server
DC1	Virtual machine	Domain controller
Archive1	Physical	File server
DHCP1	Virtual machine	DHCP server
Fileserver1	Virtual machine	File server
WEB1	Virtual machine	Web server
WEB2	Virtual machine	Web server
AADC1	Virtual machine	Azure AD Connect

All the servers in the Chicago office are in the corp.fabrikam.com domain.

All the virtual machines in the Chicago office are hosted on HV1 and HV2. HV1 and HV2 are nodes in a failover cluster named Cluster1.

WEB1 and WEB2 run an Internet Information Services (IIS) website. Internet users connect to the website by using a URL of https://www.fabrikam.com.

All the users in the Chicago office run an application that connects to a UNC path of
\\Fileserver1\Data.

Paris On-Premises Servers

The office in Paris contains a physical server named dc2.europe.fabrikam.com that runs Windows Server 2016 and is a domain controller for the europe.fabrikam.com domain.

Network Infrastructure

The networks in both the Chicago and Paris offices have local internet connections. The Chicago and Paris offices are connected by using VPN connections.

The client computers in the Chicago office get IP addresses from DHCP1.

Security Risks

Fabrikam identifies the following security risks:

Some accounts connect to AD DS resources by using insecure protocols such as NTLMv1, SMB1, and unsigned LDAP.

Servers have Windows Defender Firewall enabled. Server administrators sometimes modify firewall rules and allow risky connections.

Requirements

Security Requirements

Fabrikam identifies the following security requirements:

Prevent server administrators from configuring Windows Defender Firewalls rules.

Encrypt all the data disks on the servers by using BitLocker Drive Encryption (BitLocker).

Ensure that only authorized applications can be installed or run on the servers in the forest.

Implement Microsoft Sentinel as a reporting solution to identify all connections to the domain controllers that use insecure protocols.

On-Premises Migration Plan

Fabrikam plans to migrate all the existing servers and identifies the following migration requirements:

Move the APP1 and APP2 virtual machines in the Chicago office to a new Hyper-V failover cluster named Cluster2 that will run Windows Server 2022.

Cluster2 will contain two new nodes named HV3 and HV4.

All virtual machine files will be stored on a Cluster Shared Volume (CSV).

Migrate Archive1 to a new failover cluster named Cluster3 that will run Windows Server 2022.

Cluster3 will contain two physical nodes named Node1 and Node2.

The file shares on Cluster3 will be a failover cluster role in active-passive mode.

Migrate all users, groups, and client computers from europe.fabrikam.com to corp.fabrikam.com.

The migration will be performed by using the Active Directory Migration Tool (ADMT).

A computer named ADMTcomputer will be deployed to the corp.fabrikam.com domain to run ADMT migration procedures.

User accounts will retain their existing password.

Migrate the data share from Fileserver1 to a new server named Fileserver2 that will run Windows Server 2022. After the migration, the data share must be accessible by using the existing UNC path.

Azure Migration Plan

Fabrikam plans to migrate some resources to Azure and identifies the following migration requirements:

Create an Azure subscription named Sub1.

Create an Azure virtual network named Vnet1.

Use ExpressRoute to connect the Paris and Chicago offices to Vnet1.

License all servers for Microsoft Defender for servers.

Migrate APP3 and APP4 to Azure.

Migrate the www.fabrikam.com website to an Azure App Service web app named WebApp1.

Decommission WEB1 and WEB2.

DHCP Migration Plan

Fabrikam plans to replace DHCP1 with a new server named DHCP2 and identifies the following migration requirements:

Ensure that DHCP2 provides the same IP addresses that are currently available from DHCP1.

Prevent DHCP1 from servicing clients once services are enabled on DHCP2.

Ensure that the existing leases and reservations are migrated.

QUESTION 1
DRAG DROP
You are planning the implementation of Cluster2 to support the on-premises migration plan.
You need to ensure that the disks on Cluster2 meet the security requirements.
In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions
Add a disk resource to the cluster.
Enable BitLocker on the volume.
Update the BitLockerProtectorInfo property of the volume.
Create a Cluster Shared Volume (CSV).
Put the disk in maintenance mode.

Answer Area

Correct Answer:

Actions

Answer Area

Add a disk resource to the cluster.

Create a Cluster Shared Volume (CSV).

Put the disk in maintenance mode.

Enable BitLocker on the volume.

Update the BitLockerProtectorInfo property of the volume

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/failover-clustering/bitlocker-on-csv-in-ws-2022

QUESTION 2
HOTSPOT
You need to implement a security policy solution to authorize the applications. The solution must meet the security requirements. Which service should you use to enforce the security policy, and what should you use to manage the policy settings? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Enforce the security policy:

Microsoft Defender Application Control
Microsoft Defender Application Guard
Microsoft Defender Credential Guard
Microsoft Defender for Endpoint

Manage the policy settings:

Configuration profiles in Microsoft Intune
Compliance policies in Microsoft Intune
Group Policy Objects (GPOs)

Answer Area:

Enforce the security policy:

Microsoft Defender Application Control	
Microsoft Defender Application Guard	
Microsoft Defender Credential Guard	
Microsoft Defender for Endpoint	

Manage the policy settings:

Configuration profiles in Microsoft Intune	
Compliance policies in Microsoft Intune	
Group Policy Objects (GPOs)	

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows/security/threat-protection/windows-defender-application-control/wdac-and-applocker-overview

QUESTION 3
HOTSPOT
You are planning the www.fabrikam.com website migration to support the Azure migration plan.
How should you configure WebApp1? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

To enable WebApp1 to handle requests for the website:

Add a custom domain name.
Create a deployment slot.
Create a private endpoint.

To point client connections to WebApp1:

Add HTTP redirect rules on WEB1 and WEB2.
Implement Azure Front Door.
Implement Azure Traffic Manager.
Modify a DNS record.

Answer Area:

To enable WebApp1 to handle requests for the website:

- Add a custom domain name.
- Create a deployment slot.
- Create a private endpoint.

To point client connections to WebApp1:

- Add HTTP redirect rules on WEB1 and WEB2.
- Implement Azure Front Door.
- Implement Azure Traffic Manager.
- Modify a DNS record.

Section:
Explanation:
Box 1: Add a custom domain name
To migrate www.fabrikam.com website to an Azure App Service web app, you need to add Fabrikam.com as a custom domain in Azure. This will make the domain name available to use in the web app. Box 2: Modify a DNS record
You need to change the DNS record for www.fabrikam.com to point to the Azure web app.
HTTP redirect rules won't work because WEB1 and WEB2 will be decommissioned.
Reference:
https://docs.microsoft.com/en-us/azure/app-service/app-service-web-tutorial-customdomain?tabs=a%2Cazurecli

QUESTION 4
You are remediating the firewall security risks to meet the security requirements.
What should you configure to reduce the risks?

A. a Group Policy Object (GPO)

B. adaptive network hardening in Microsoft Defender for Cloud

C. a network security group (NSG) in Sub1

D. an Azure Firewall policy

Correct Answer: A
Section:
Explanation:
Firewall rules configured in a Group Policy Object cannot be modified by local server administrators.
Reference:
https://docs.microsoft.com/en-us/windows/security/threat-protection/windows-firewall/create-aninbound-port-rule

QUESTION 5
You are planning the deployment of Microsoft Sentinel.
Which type of Microsoft Sentinel data connector should you use to meet the security requirements?

A. Threat Intelligence - TAXII

B. Azure Active Directory

C. Microsoft Defender for Cloud

D. Microsoft Defender for Identity

Correct Answer: D
Section:

Explanation:
Reference:
https://docs.microsoft.com/en-us/defender-for-identity/cas-isp-legacy-protocols

QUESTION 6
You are planning the migration of Archive1 to support the on-premises migration plan.
What is the minimum number of IP addresses required for the node and cluster roles on Cluster3?

A. 2
B. 3
C. 4
D. 5

Correct Answer: B
Section:
Explanation:
One IP for each of the two nodes in the cluster and one IP for the cluster virtual IP (VIP).

QUESTION 7
You are planning the data share migration to support the on-premises migration plan.
What should you use to perform the migration?

A. Storage Migration Service
B. Microsoft File Server Migration Toolkit
C. File Server Resource Manager (FSRM)
D. Windows Server Migration Tools

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/storage/storage-migration-service/migrate-data

QUESTION 8
DRAG DROP
You are planning the DHCP1 migration to support the DHCP migration plan.
Which two PowerShell cmdlets should you run on DHCP1, and which two PowerShell cmdlets should you run on DHCP2? To answer, drag the appropriate cmdlets to the correct servers. Each cmdlet 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:

Cmdlets

- Add-DhcpServerInDC
- Add-DhcpServerv4Scope
- Export-DhcpServer
- Import-DhcpServer
- Remove-DhcpServerInDC
- Remove-DhcpServerv4Scope

Answer Area

DHCP1: `Cmdlet`
`Cmdlet`

DHCP2: `Cmdlet`
`Cmdlet`

Correct Answer:

Cmdlets

-
- Add-DhcpServerv4Scope
-
-
-
- Remove-DhcpServerv4Scope

Answer Area

DHCP1: Export-DhcpServer
Remove-DhcpServerInDC

DHCP2: Add-DhcpServerInDC
Import-DhcpServer

Section:

Explanation:

https://theitbros.com/how-to-migrate-dhcp-to-windows-server-2016/

QUESTION 9

HOTSPOT

You are planning the migration of APP3 and APP4 to support the Azure migration plan.

What should you do on Cluster1 and in Azure before you perform the migration? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

On Cluster1:
- Configure Azure Network Adapter.
- Create a Point-to-Site (P2S) VPN connection to Vnet1.
- Import the Azure Migrate appliance.
- Install the Azure File Sync agent.
- Install the Windows Server Migration Tools.

In Azure:
- Create a premium block blobs Azure Storage account.
- Create a private endpoint.
- Create a VPN gateway.
- Create an Azure Migrate project.

Answer Area:

On Cluster1:
- Configure Azure Network Adapter.
- Create a Point-to-Site (P2S) VPN connection to Vnet1.
- Import the Azure Migrate appliance.
- Install the Azure File Sync agent.
- Install the Windows Server Migration Tools.

In Azure:
- Create a premium block blobs Azure Storage account.
- Create a private endpoint.
- Create a VPN gateway.
- Create an Azure Migrate project.

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/migrate/tutorial-discover-hyper-v

QUESTION 10
HOTSPOT
You are planning the europe.fabrikam.com migration to support the on-premises migration plan- Where should you install the Password Export Server (PES) service, where should you generate the encryption key? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Install the PES service on:

- aadc1.corp.fabrikam.com
- admtcomputer.fabrikam.com
- dc1.corp.fabrikam.com
- dc2.europe.fabrikam.com

Generate the encryption key on:

- aadc1.corp.fabrikam.com
- admtcomputer.fabrikam.com
- dc1.corp.fabrikam.com
- dc2.europe.fabrikam.com

Answer Area:

Answer Area

Install the PES service on:

- aadc1.corp.fabrikam.com
- admtcomputer.fabrikam.com
- dc1.corp.fabrikam.com
- dc2.europe.fabrikam.com

Generate the encryption key on:

- aadc1.corp.fabrikam.com
- admtcomputer.fabrikam.com
- dc1.corp.fabrikam.com
- dc2.europe.fabrikam.com

Section:
Explanation:

Exam A

QUESTION 1
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 2
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 3
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	Answer Area
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.	

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 4

HOTSPOT

You have a failover cluster named Cluster1 that contains three nodes.

You plan to add two file server cluster roles named File1 and File2 to Cluster1. File1 will use the File Server for general use role. File2 will use the Scale-Out File Server for application data role. What is the maximum number of nodes for File1 and File2 that can concurrently serve client connections? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

File1:
- 1
- 2
- 3

File2:
- 1
- 2
- 3

Answer Area:

File1: [1 2 3] — 1 highlighted

File2: [1 2 3] — 3 highlighted

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/failover-clustering/sofs-overview

QUESTION 5
HOTSPOT
You have a Hyper-V failover cluster named Cluster1 at a main datacenter. Cluster1 contains two nodes that have the Hyper-V server role installed. Cluster1 hosts 10 highly available virtual machines. You have a cluster named Cluster2 in a disaster recovery site. Cluster2 contains two nodes that have the Hyper-V server role installed. You plan to use Hyper-V Replica to replicate the virtual machines from Cluster1 to Cluster2.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Cluster role to create on Cluster2: [▾]

| Distributed Transaction Coordinator (DTC) |
| Generic Script |
| Hyper-V Replica Broker |
| Virtual machine |

Replication target name to specify: [▾]

| Cluster2 |
| The name of a node on Cluster2 |
| The name of each virtual machine |
| The name of the Hyper-V Replica Broker |

Answer Area:

Cluster role to create on Cluster2:

Distributed Transaction Coordinator (DTC)
Generic Script
Hyper-V Replica Broker
Virtual machine

Replication target name to specify:

Cluster2
The name of a node on Cluster2
The name of each virtual machine
The name of the Hyper-V Replica Broker

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

QUESTION 6
HOTSPOT
You have a Hyper-V failover cluster named Cluster1 that uses a cloud witness. Cluster1 hosts a virtual machine named VM1 that runs Windows Server. You need to fail over VM1 automatically to a different node when a service named Service1 on VM1 fails. What should you do on Cluster1 and VM1? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Cluster1:

Modify the settings of the VM1 cluster role.
Configure monitoring of the VM1 cluster role.
Change the startup priority of the VM1 cluster role.

VM1:

Configure the Startup Type of Service1.
Configure the Recovery settings of Service1.
Configure the Startup and Recovery settings.
Install and configure the Azure Monitor agent.

Answer Area:

Cluster1:
- Modify the settings of the VM1 cluster role.
- **Configure monitoring of the VM1 cluster role.**
- Change the startup priority of the VM1 cluster role.

VM1:
- Configure the Startup Type of Service1.
- **Configure the Recovery settings of Service1.**
- Configure the Startup and Recovery settings.
- Install and configure the Azure Monitor agent.

Section:
Explanation:

QUESTION 7
You have a Microsoft Sentinel deployment and 100 Azure Arc-enabled on-premises servers. All the Azure Arc-enabled resources are in the same resource group. You need to onboard the servers to Microsoft Sentinel. The solution must minimize administrative effort. What should you use to onboard the servers to Microsoft Sentinel?

A. Azure Automation

B. Azure Policy

C. Azure virtual machine extensions

D. Microsoft Defender for Cloud

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/manage/hybrid/server/bestpractices/arc-policies-mma

QUESTION 8
You have an on-premises Active Directory Domain Services (AD DS) domain that syncs with an Azure Active Directory (Azure AD) tenant by using password hash synchronization. You have a Microsoft 365 subscription.
All devices are hybrid Azure AD-joined.
Users report that they must enter their password manually when accessing Microsoft 365 applications. You need to reduce the number of times the users are prompted for their password when they access Microsoft 365 and Azure services. What should you do?

A. In Azure AD. configure a Conditional Access policy for the Microsoft Office 365 applications.

B. In the DNS zone of the AD DS domain, create an autodiscover record.

C. From Azure AD Connect, enable single sign-on (SSO).

D. From Azure AD Connect, configure pass-through authentication.

Correct Answer: C
Section:

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sso-quick-start

QUESTION 9
You have an Azure subscription that has Microsoft Defender for Cloud enabled.
You have 50 Azure virtual machines that run Windows Server.
You need to ensure that any security exploits detected on the virtual machines are forwarded to Defender for Cloud. Which extension should you enable on the virtual machines?

A. Vulnerability assessment for machines

B. Microsoft Dependency agent

C. Log Analytics agent for Azure VMs

D. Guest Configuration agent

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/defender-for-cloud/deploy-vulnerability-assessment-vm

QUESTION 10
You have 10 servers that run Windows Server in a workgroup.
You need to configure the servers to encrypt all the network traffic between the servers. The solution must be as secure as possible. Which authentication method should you configure in a connection security rule?

A. NTLMv2

B. pre-shared key

C. KerberosV5

D. computer certificate

Correct Answer: D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows/security/threat-protection/windows-firewall/create-anauthentication-request-rule

QUESTION 11
You have an Azure virtual machine named VM1 that runs Windows Server.
You need to encrypt the contents of the disks on VM1 by using Azure Disk Encryption.
What is a prerequisite for implementing Azure Disk Encryption?

A. Customer Lockbox for Microsoft Azure

B. an Azure key vault

C. a BitLocker recovery key

D. data-link layer encryption in Azure

Correct Answer: B
Section:
Explanation:

Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/disk-encryption-overview

QUESTION 12
Your network contains an Active Directory Domain Services (AD DS) domain. The domain contains two servers named Server1 and Server2 that run Windows Server. You need to ensure that you can use the Computer Management console to manage Server2. The solution must use the principle of least privilege. Which two Windows Defender Firewall with Advanced Security rules should you enable on Server2?
Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. the COM+ Network Access (DCOM-ln) rule

B. all the rules in the Remote Event Log Management group

C. the Windows Management Instrumentation (WMI-ln) rule

D. the COM+ Remote Administration (DCOM-ln) rule

E. the Windows Management Instrumentation (DCOM-ln) rule

Correct Answer: A, B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/administration/server-manager/configureremote-management-in-server-manager

QUESTION 13
You have a server that runs Windows Server. The server is configured to encrypt all incoming traffic by using a connection security rule. You need to ensure that Server1 can respond to the unencrypted tracert commands initiated from computers on the same network. What should you do from Windows Defender Firewall with Advanced Security?

A. From the IPsec Settings, configure IPsec defaults.

B. Create a new custom outbound rule that allows ICMPv4 protocol connections for all profiles.

C. Change the Firewall state of the Private profile to Off.

D. From the IPsec Settings, configure IPsec exemptions.

Correct Answer: D
Section:

QUESTION 14
You have an Azure virtual machine named VM1.
You enable Microsoft Defender SmartScreen on VM1.
You need to ensure that the SmartScreen messages displayed to users are logged.
What should you do?

A. From a command prompt, run WinRM quickconfig.

B. From the local Group Policy, modify the Advanced Audit Policy Configuration settings.

C. From Event Viewer, enable the Debug log.

D. From the Windows Security app. configure the Virus & threat protection settings.

Correct Answer: C
Section:
Explanation:
Reference:

QUESTION 15
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.
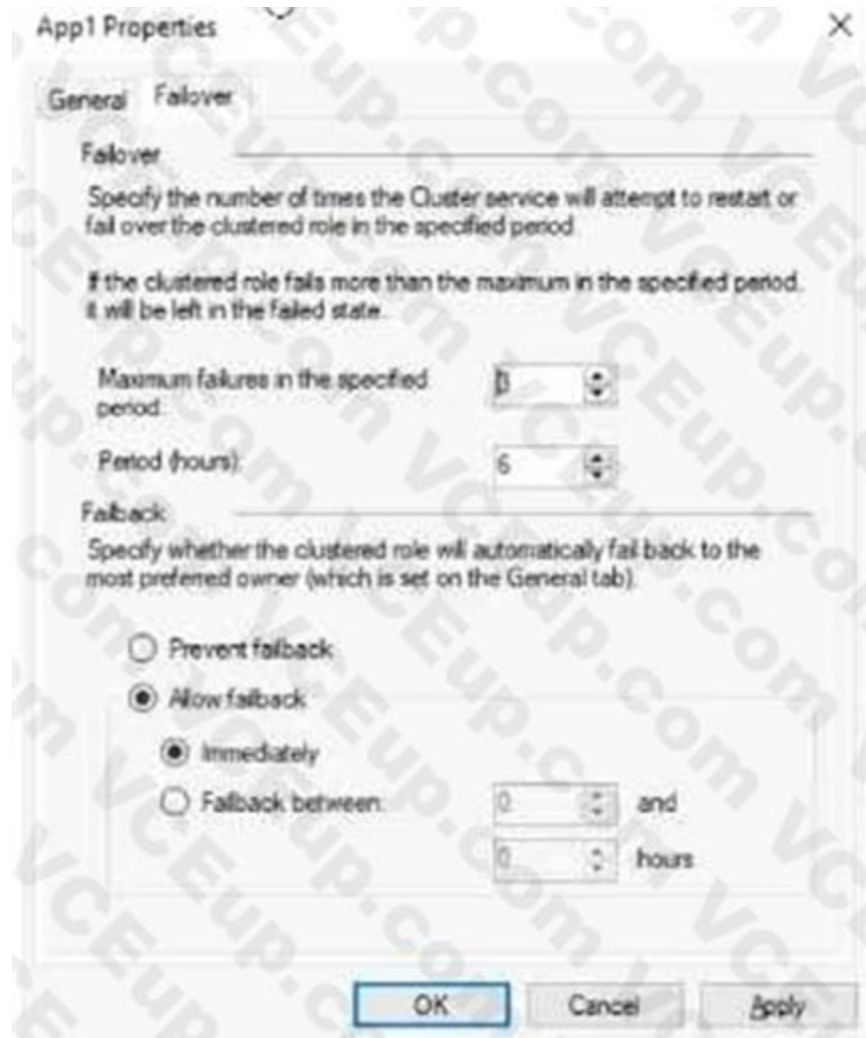
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have a failover cluster named Cluster1 that hosts an application named App1.

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.)

Server1 shuts down unexpectedly.
You need to ensure that when you start Server1, App1 continues to run on Server2.
Solution: From the Failover settings, you select Prevent failback.
Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section:
Explanation:
The Prevent failback setting will prevent the cluster failing back to Server1.
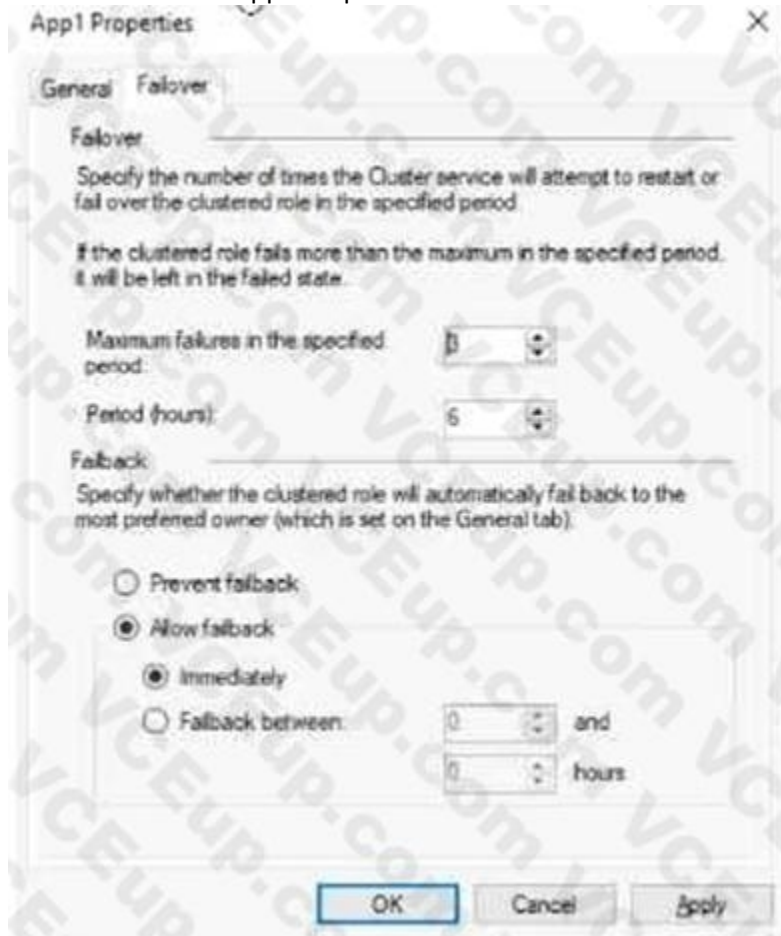
QUESTION 16
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After 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 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.)

Server1 shuts down unexpectedly.
You need to ensure that when you start Server1, App1 continues to run on Server2.

Solution: You increase Maximum failures in the specified period for the App1 cluster role.
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:
Explanation:
The Maximum failures setting is used to determine when the cluster determines that a node is offline. It does not affect whether a cluster will fail back when a node comes online.

QUESTION 17
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.
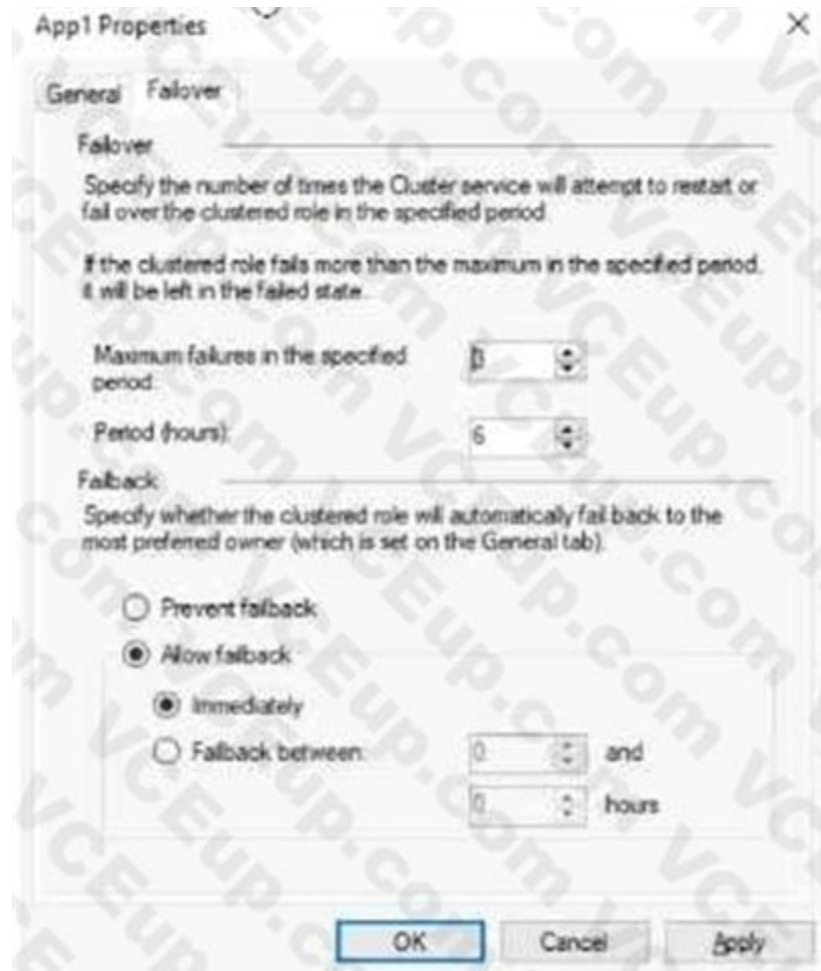After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have a failover cluster named Cluster1 that hosts an application named App1.
The General tab in App1 Properties is shown in the General exhibit. (Click the General tab.)

The Failover tab in App1 Properties is shown in the Failover exhibit. (Click the Failover tab.)

Server1 shuts down unexpectedly.
You need to ensure that when you start Server1, App1 continues to run on Server2.
Solution: From the General settings, you move Server2 up.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:
Explanation:
Server1 and Server2 are both unticked so the order they are listed in has no effect on whether the cluster will fail back.

QUESTION 18
You have a failover cluster named Cluster1 that has the following configurations:
Number of nodes: 6
Quorum: Dynamic quorum
Witness: File share, Dynamic witness
What is the maximum number of nodes that can fail simultaneously while maintaining quorum?

A. 1
B. 2
C. 3
D. 4

E. 5

Correct Answer: C
Section:
Explanation:
Note this question is asking about nodes failing 'simultaneously', not nodes failing one after the other. With six nodes and one witness, there are seven votes. To maintain quorum there needs to be four votes available (four votes is the majority of seven). This means that a minimum of three nodes plus the witness need to remain online for the cluster to function. Therefore, the maximum number of simultaneous failures is three.
Reference:
https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/understand-quorum

QUESTION 19
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. System Configuration
B. File Server Resource Manager (FSRM)
C. the Get-ScorageFileServer cmdlet
D. Failover Cluster Manager

Correct Answer: D
Section:
Explanation:
If Failover Cluster Manager, select the Storage Space Direct storage pool. The information displayed in the main window includes the free space and used space.

QUESTION 20
You have a Storage Spaces Direct configuration that has persistent memory and contains the data volumes shown in the following table.

Name	File system
Volume1	NTFS
Volume2	ReFS

You plan to add data volumes to Storage Spaces Direct as shown in the following table.

Name	File system
Volume3	NTFS
Volume4	ReFS

On which volumes can you use direct access (DAX)?

A. Volume3 only
B. Volume4 only
C. Volume1 and Volume3 only
D. Volume2 and Volume4 only
E. Volume3 and Volume4 only

Correct Answer: A
Section:
Explanation:

DAX can only be used on one volume and the volume has to be NTFS. You could configure DAX on Volume1 (although that would require reformatting the volume) or Volume3. However, 'Volume1 only' isn't an answer option so Volume3 is the correct answer.

'Volume1 and Volume3' is incorrect because of the single volume limitation.

Reference:

https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/persistent-memorydirect-access

QUESTION 21
You have two servers named Server1 and Server2 that run Windows Server. Both servers have the Hyper-V server role installed. Server1 hosts three virtual machines named VM1, VM2, and VM3. The virtual machines replicate to Server2. Server1 experiences a hardware failure.

You need to bring VM1, VM2, and VM3 back online as soon as possible.

From the Hyper-V Manager console on Server2, what should you run for each virtual machine?

A. Start

B. Move

C. Unplanned Failover

D. Planned Failover

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/manage/set-up-hyper-vreplica

QUESTION 22
You have three Azure virtual machines named VM1, VM2, and VM3 that host a multitier application.

You plan to implement Azure Site Recovery.

You need to ensure that VM1, VM2, and VM3 fail over as a group.

What should you configure?

A. an availability zone

B. a recovery plan

C. an availability set

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

QUESTION 23
You have an on-premises server named Server1 that runs Windows Server and has the Hyper-V server role installed. You have an Azure subscription.

You plan to back up Server1 to Azure by using Azure Backup.

Which two Azure Backup options require you to deploy Microsoft Azure Backup Server (MABS)? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Bare Metal Recovery

B. Files and folders

C. System State

D. Hyper-V Virtual Machines

Correct Answer: A, C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/backup/backup-mabs-system-state-and-bmr

QUESTION 24
You have 200 Azure virtual machines.
You create a recovery plan in Azure Site Recovery to fail over all the virtual machines to an Azure region. The plan has three manual actions. You need to replace one of the manual actions with an automated process.
What should you use?

A. an Azure Desired State Configuration (DSC) virtual machine extension

B. an Azure Automation runbook

C. an Azure PowerShell function

D. a Custom Script Extension on the virtual machines

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/site-recovery/recovery-plan-overview

QUESTION 25
You have a server named Server1 that runs Windows Server and has the Hyper-V server role installed. You have a Hyper-V failover cluster named Cluster1. All servers are members of the same domain. You need to ensure that you use Hyper-V Replica with Kerberos authentication on the default port to replicate virtual machines from Cluster1 to Server1. What should you do on Server1?

A. Add primary servers to the Hyper-V Replica Broker configuration.

B. From Hyper-V Settings, select Enable incoming and outgoing live migrations

C. From Windows Defender Firewall with Advanced Security, enable the Hyper-V Replica HTTPSListener (TCP-ln) rule.

D. From Windows Defender Firewall with Advanced Security, enable the Hyper-V Replica HTTPListener (TCP-ln) rule.

Correct Answer: D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/manage/set-up-hyper-vreplica

QUESTION 26
You have an on-premises server that runs Windows Server and has the Web Server (IIS) server role installed. The server hosts a web app that connects to an on-premises Microsoft SQL Server database. You plan to migrate the web app to an Azure App Services web app. The database will remain onpremises. You need to ensure that the migrated web app can access the database.
What should you configure in Azure?

A. an Azure SQL managed instance

B. an on-premises data gateway

C. Azure Extended Network

D. a Hybrid Connection

Correct Answer: D

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/app-service/app-service-hybrid-connections

QUESTION 27
You have two file servers named Server1 and Server2 that run Windows Server. Server1 contains a shared folder named Dat a. Data contains 10 TB of data. You plan to decommission Server1.
You need to migrate the files from Data to a new shared folder on Server2. The solution must meet the following requirements:
Ensure that share, file, and folder permissions are copied.
After the initial copy occurs, ensure that changes in \\Server1\Data can be synced to the destination without initiating a full copy. Minimize administrative effort.
What should you use?

A. xcopy
B. Storage Replica
C. Storage Migration Service
D. azcopy

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/storage/storage-migrationservice/overview#why-use-storage-migration-service

QUESTION 28
You have a server named Server1 that runs Windows Server and has the Hyper-V server role installed. You import the Azure Migrate appliance as VM1.
You need to register VM1 with Azure Migrate.
What should you do in Azure Migrate? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Create a project.
B. Add a migration tool.
C. Add an assessment tool.
D. Generate a project key.
E. Download the Azure Migrate installer script ZIP file.

Correct Answer: A, D, E
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/migrate/how-to-set-up-appliance-hyper-v

QUESTION 29
You have two servers that run Windows Server as shown in the following table.

Name	Location	Domain/workgroup
Server1	On-premises	Domain
Server2	Azure virtual machine	Workgroup

You need to copy the contents of volume E from Server1 to Server2. The solution must meet the following requirements:

Ensure that files in-use are copied.
Minimize administrative effort.
What should you use?

A. Storage Migration Service

B. Azure File Sync

C. Azure Backup

D. Storage Replica

Correct Answer: A
Section:

QUESTION 30
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. Your network contains 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 migrate sysvol from FRS to Distributed File System (DFS) Replication.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
Reference:
https://www.rebeladmin.com/2021/09/step-by-step-guide-active-directory-migration-fromQuestions& Answers PDF P-97windows-server-2008-r2-to-windows-server-2022/

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.
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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 upgrade the PDC emulator.
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:

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.
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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 run the Active Directory Migration Tool (ADMT).

Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:

QUESTION 33
You have an on-premises network and an Azure virtual network.

You establish a Site-to-Site VPN connection from the on-premises network to the Azure virtual network, but the connection frequently disconnects. You need to debug the IPsec tunnel from Azure.

Which Azure VPN Gateway diagnostic log should you review?

A. GatewayDiagnosticLog

B. RouteDiagnosticLog

C. IKEDiagnosticLog

D. TunnelDiagnosticLog

Correct Answer: D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/troubleshoot-vpn-with-azure-diagnostics

QUESTION 34
You have an Azure virtual machine named VM1 that has the Web Server (IIS) server role installed.

VM1 hosts a critical line-of-business (LOB) application.

After the security team at your company deploys a new security baseline to VM1, users begin reporting that the application is unresponsive. You suspect that the security baseline has caused networking issues.

You need to perform a network trace on VM1.

What should you do?

A. From VM1, run necscac.

B. From Performance Monitor on VM1. create a Data Collector Set.

C. From the Azure portal, configure the Diagnostics settings for VM1.

D. From the Azure portal, configure the Performance diagnostics settings for VM1.

Correct Answer: D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/troubleshoot/azure/virtual-machines/performance-diagnostics

QUESTION 35
You have an Azure virtual machine named VM1. Crash dumps for a process named Process1 are enabled for VM1. When process1.exe on VM1 crashes, a technician must access the memory dump files on the virtual machine.

The technician must be prevented from accessing the virtual machine. To what should you provide the technician access?

A. an Azure file share
B. an Azure Log Analytics workspace
C. an Azure Blob Storage container
D. a managed disk

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/agents/diagnostics-extension-overview

QUESTION 36
You have a server named Server1 that runs the Remote Desktop Session Host role service. Server1 has five custom applications installed. Users who sign in to Server1 report that the server is slow. Task Manager shows that the average CPU usage on Server1 is above 90 percent. You suspect that a custom application on Server1 is consuming excessive processor capacity. You plan to create a Data Collector Set in Performance Monitor to gather performance statistics from Server1. You need to view the resources used by each of the five applications.
Which object should you add to the Data Collector Set?

A. Processor information
B. Processor
C. Process
D. Processor performance

Correct Answer: C
Section:

QUESTION 37
You plan to deploy the Azure Monitor agent to 100 on-premises servers that run Windows Server.
Which parameters should you provide when you install the agent?

A. the client ID and the secret of an Azure service principal
B. the name and the access key of an Azure Storage account
C. a connection string for an Azure SQL database
D. the ID and the key of an Azure Log Analytics workspace

Correct Answer: D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/windows-server/storage/storage-spaces/configure-azure-monitor

QUESTION 38
Your on-premises network contains two subnets. The subnets contain servers that run Windows Server as shown in the following table.

Name	IP address
Server1	192.168.1.10
Server2	192.168.0.250
Server3	192.168.0.240
Server4	192.168.0.10

Server4 has the following IP configurations:
Ethernet adapter Ethernet:
Connection-specific DNS Suffix . . :
IPv4 Address . . . . : 192.168.0.10
Subnet Mask . . . . : 255.255.255.0
Default Gateway . . . . : 192.168.0.1
From Server4, you can ping Server1 and Server2 successfully. When you ping Server3, you get a Request timed out response. From Server2, you can ping Server1 and Server3 successfully.
The misconfiguration of which component on Server3 can cause the Request timed out response?

A. default gateway

B. IP address

C. subnet mask

D. DNS server

Correct Answer: C
Section:

QUESTION 39
You have five Azure virtual machines.
You need to collect performance data and Windows Event logs from the virtual machines. The data collected must be sent to an Azure Storage account. What should you install on the virtual machines?

A. the Azure Connected Machine agent

B. the Azure Monitor agent

C. the Dependency agent

D. the Telegraf agent

E. the Azure Diagnostics extension

Correct Answer: E
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/agents/diagnostics-extension-overview

QUESTION 40
You have an Azure virtual machine named VM1.
You install an application on VM1, and then restart the virtual machine.
After the restart, you get the following error message: "Boot failure. Reboot and Select proper Boot Device or Insert Boot Media in selected Boot Device." You need to mount the operating system disk offline from VM1 to a temporary virtual machine to troubleshoot the issue.
Which command should you run in Azure CLI?

A. az vm repair create
B. az vm boot-diagnostics enable
C. az vm capture
D. az vm disk attach

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/cli/azure/vm/repair?view=azure-cli-latest

QUESTION 41
DRAG DROP
You have two physical servers named AppSrv1 and AppSrv2 and an unconfigured server named Server1. All the servers run Windows Server. Only Server1 can access the internet. You plan to use Azure Site Recovery to replicate AppSrv1 and AppSrv2 to Azure.
You need to deploy the required components to AppSrv1, AppSrv2, and Server1.
Which components should you deploy? To answer, drag the appropriate components to the correct servers. 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
The Azure Connected Machine agent	
An Azure Site Recovery configuration server	To AppSrv1 and AppSrv2:
The Azure Site Recovery Mobility Service	To Server1:
The Microsoft Azure Recovery Services (MARS) agent	

Correct Answer:

Components	Answer Area
The Azure Connected Machine agent	
	To AppSrv1 and AppSrv2: The Azure Site Recovery Mobility Service
	To Server1: An Azure Site Recovery configuration server
The Microsoft Azure Recovery Services (MARS) agent	

Section:
Explanation:

QUESTION 42
DRAG DROP
You have two Azure virtual machines named VM1 and VM2. VM1 is backed up to an Azure Recovery Services vault daily and retains backups for 30 days. You need to restore an individual file named C:\Data\Important.docx from VM1 to VM2. The solution must minimize administrative effort. 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
Unmount the disks.	
Download the file recovery script for VM1.	
Copy the file by using Azure Storage Explorer.	
Copy the file by using File Explorer.	
Restore the file by using Windows Server Backup.	
Run the file recovery script on VM2.	

Correct Answer:

Actions	Answer Area
	Download the file recovery script for VM1.
	Run the file recovery script on VM2.
	Copy the file by using Azure Storage Explorer.
Copy the file by using File Explorer.	Unmount the disks.
Restore the file by using Windows Server Backup.	

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/backup/backup-azure-restore-files-from-vm

QUESTION 43
HOTSPOT
You have three servers named Host1, Host2, and VM1 that run Windows Server. Host1 and Host2 have the Hyper-V server role installed. VM1 is a virtual machine hosted on Host1. You configure VM1 to replicate to Host2 by using Hyper-V Replica.
Which types of failovers can you perform on VM1 on each host? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

VM1 on Host1: ⌄

Failover only
Test Failover only
Planned Failover only
Failover and Planned Failover only
Test Failover and Failover only

VM1 on Host2: ⌄

Failover only
Test Failover only
Planned Failover only
Failover and Planned Failover only
Test Failover and Failover only

Answer Area:

VM1 on Host1: ⌄

Failover only
Test Failover only
Planned Failover only
Failover and Planned Failover only
Test Failover and Failover only

VM1 on Host2: ⌄

Failover only
Test Failover only
Planned Failover only
Failover and Planned Failover only
Test Failover and Failover only

Section:
Explanation:

QUESTION 44
DRAG DROP
You have an Azure subscription that contains an Azure Recovery Services vault.
You have an on-premises physical server that runs Windows Server.

You need to back up the server daily to Azure.
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	Answer Area
On Server1, install and register the Azure Connected Machine agent.	
Schedule a backup.	
On Server1, install and register the Azure Site Recovery Mobility service agent.	
Download the Vault Credentials file.	
Install and register the Microsoft Azure Recovery Services (MARS) agent.	
Create a recovery plan.	

Correct Answer:

Actions	Answer Area
On Server1, install and register the Azure Connected Machine agent.	Download the Vault Credentials file.
	Install and register the Microsoft Azure Recovery Services (MARS) agent.
On Server1, install and register the Azure Site Recovery Mobility service agent.	Schedule a backup.
Create a recovery plan.	

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/backup/tutorial-backup-windows-server-to-azure

QUESTION 45
You have three servers named Server1. Server1 and Server3 that run Windows Server and have the hyper V server rote 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 46
Your network contains an Active Directory Domain Services (AD DS) domain All domain members have Microsoft Defender Credential Guard with UEFI tock 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 Virtual nation Based Security group policy setting

C. Run dism and specify the /Disable-Feature and /FeatureName:IsolatedUserMode parameters

Correct Answer: B
Section:

QUESTION 47
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 Tat) 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 48
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 disic 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 49
HOTSPOT
You have an on-premises Active Directory Domain Services (AD DS) domain that contains the resources shown in the following table.

Name	Type	Description
User1	User	Is a member of Group1
User2	User	Has a phone number of 111-111
User3	User	Is in the Users container
Group1	Group	*None*
OU1	Organizational unit (OU)	Is empty

The domain contains the domain controllers shown in the following table.

Name	Site
DC1	Site1
DC2	Site2

You configure a site link between Site1 and Site2 and set the replication interval to 20 minutes.
At 10:00 AM, connectivity between Site1 and Site2 fails.
Administrators perform the actions shown in the following table.

Time	Performed on	Description
10:05 AM	DC1	Move User3 to OU1.
10:07 AM	DC2	Remove User1 from Group1.
10:10 AM	DC1	Change the phone number of User2 to 222-222.
10:11 AM	DC1	Change the phone number of User2 to 333-333.
10:12 AM	DC1	Add User2 to Group1.
10:20 AM	DC2	Delete OU1.
10:25 AM	DC2	Change the phone number of User2 to 444-444.

At 10:30 AM, connectivity between Site1 and Site2 is restored.
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth dim point

Hot Area:

Answer Area

Statements	Yes	No
At 11:30 AM, User1 and User2 are members of Group1.	○	○
At 11:30 AM, the phone number of User2 is 333-333.	○	○
At 11:30 AM, User3 is deleted.	○	○

Answer Area:

Section:
Explanation:

QUESTION 50
HOTSPOT
You have an on-premises server named Server1 that runs Windows Server.
You have an Azure subscription.
You plan to back up the files and folders on Server1 by using the Microsoft Azure Recovery Services (MARS) agent.
You need to identify to which location the backups can be written and the maximum number of scheduled backups that can be performed per day.
What should you identify? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point

Hot Area:

Answer Area

Backup location:

An Azure Backup vault	▼
An Azure Backup vault	
A Recovery Services vault in Azure	
The Cool access tier of an Azure Storage account	
The Archive access tier of an Azure Storage account	

Maximum number of scheduled backups per day:

3	▼
1	
3	
6	
24	
72	

Answer Area:

Answer Area

Backup location:

An Azure Backup vault	▼
An Azure Backup vault	
A Recovery Services vault in Azure	
The Cool access tier of an Azure Storage account	
The Archive access tier of an Azure Storage account	

Maximum number of scheduled backups per day:

3	▼
1	
3	
6	
24	
72	

Section:
Explanation:

QUESTION 51
DRAG DROP
You have an Azure virtual machine named VM1 that runs Windows Server.
The operating system on VM1 fails to start due to a disk error.
You need to resolve the error.
Which four commands should you run in sequence in Azure Cloud Shell? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Select and Place:

Actions

az extension add
az vm disk
az vm repair create
az vm repair run
az vm repair restore

Answer Area

⟩ ⟨ ⌃ ⌄

Correct Answer:

Actions

az extension add

Answer Area

az vm disk
az vm repair create
az vm repair run
az vm repair restore

⟩ ⟨ ⌃ ⌄

Section:
Explanation:
az vm disk
az vm repair create
az vm repair run
az vm repair restore

QUESTION 52
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 53
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		Answer Area	
Configure Azure AD Identity Protection.		On DC1:	Configuration
Configure Azure AD Password Protection.		On a member server:	Configuration
Install the Azure AD Pass-through Authentication Agent.		In Azure:	Configuration
Install the Azure AD Password Protection DC agent.			
Install the Azure AD Password Protection proxy service.			

Correct Answer:

| Configurations		Answer Area	
Configure Azure AD Identity Protection.		On DC1:	Install the Azure AD Password Protection DC agent.
		On a member server:	Install the Azure AD Password Protection proxy service.
Install the Azure AD Pass-through Authentication Agent.		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 54

HOTSPOT

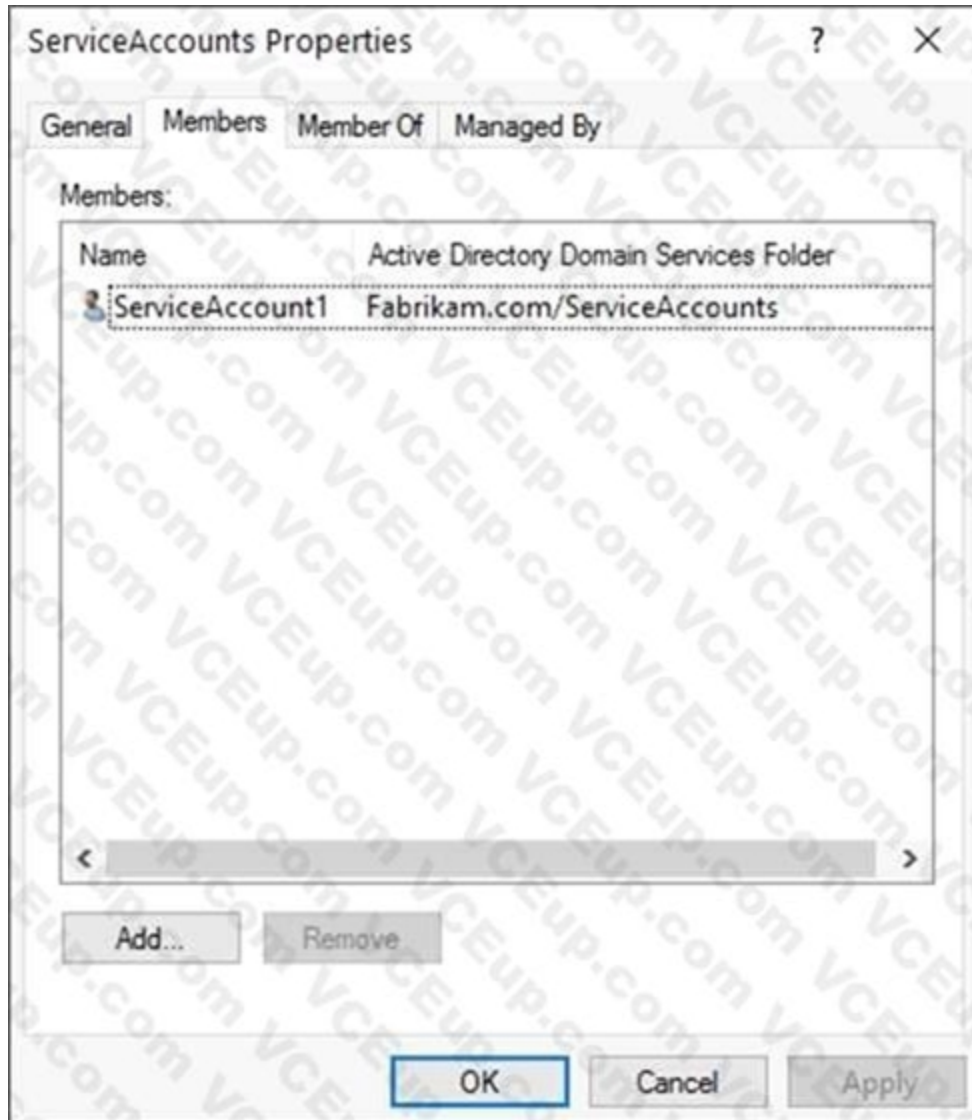The Default Domain Policy Group Policy Object (GPO) is shown in the GPO exhibit. (Click the GPO tab.)
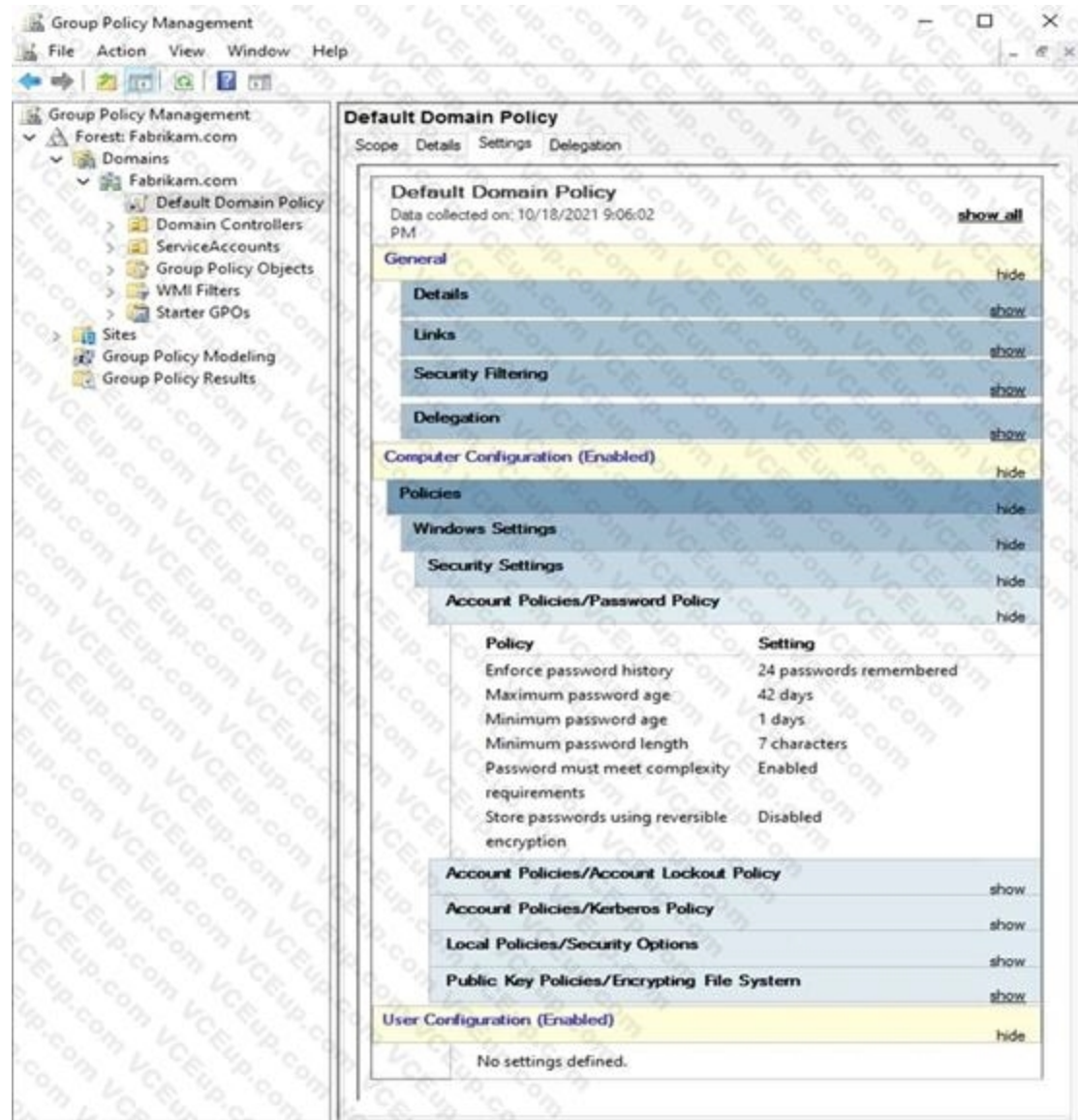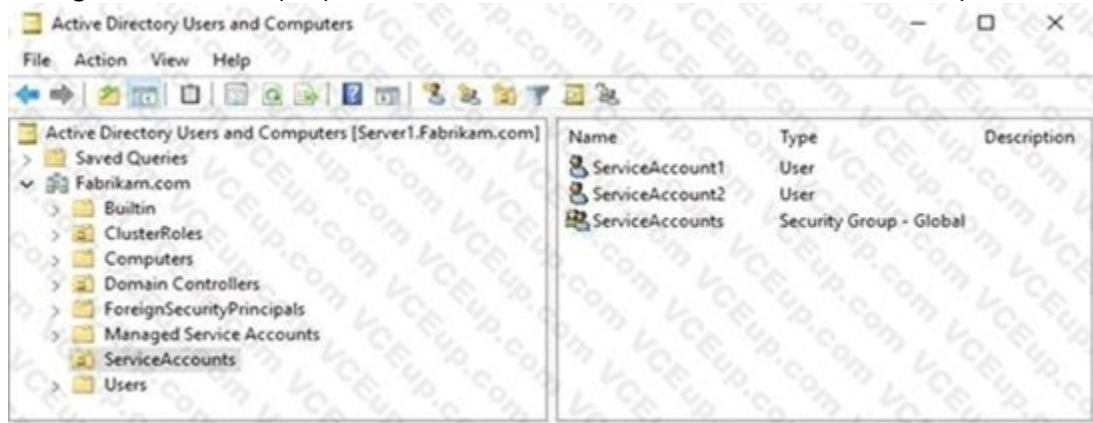
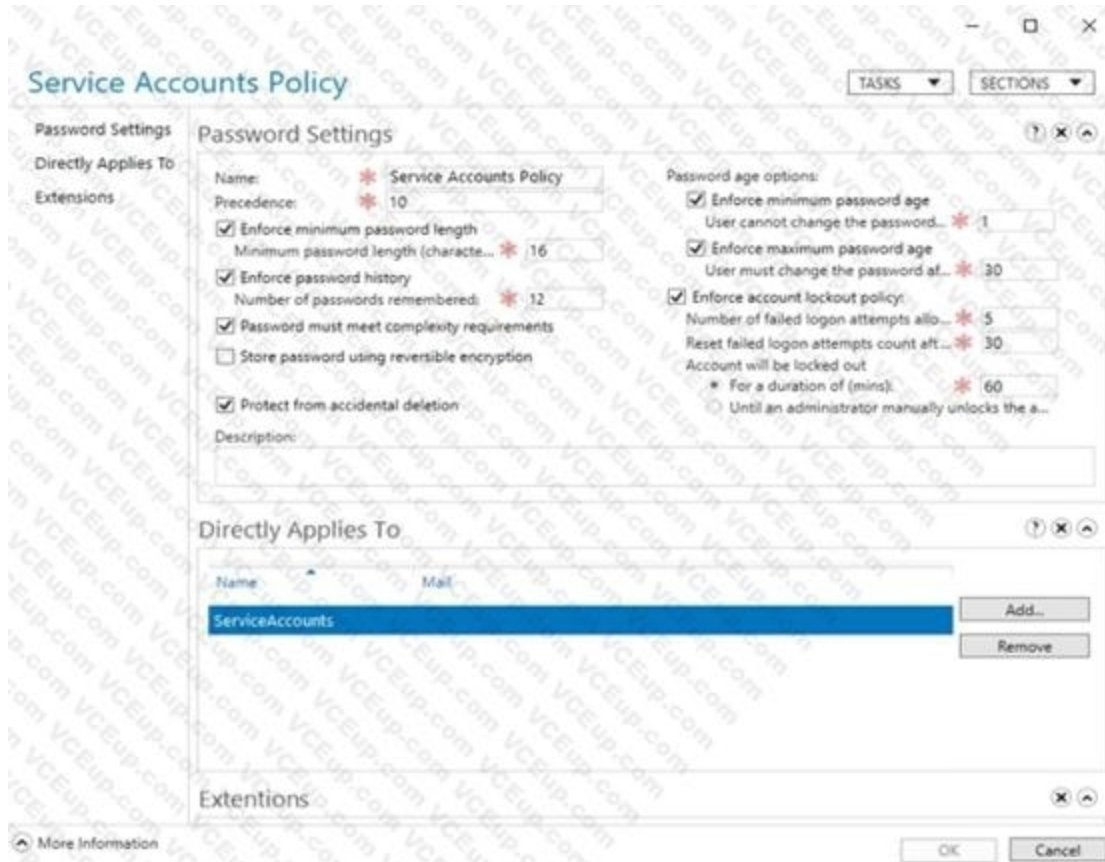The members of a group named Service Accounts are shown in the Group exhibit. (Click the Group tab.)

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.)

Service Accounts Policy

Password Settings

Name: Service Accounts Policy
Precedence: 10
☑ Enforce minimum password length
   Minimum password length (characte... 16
☑ Enforce password history
   Number of passwords remembered: 12
☑ Password must meet complexity requirements
☐ Store password using reversible encryption

☑ Protect from accidental deletion
Description:

Password age options:
☑ Enforce minimum password age
   User cannot change the password... 1
☑ Enforce maximum password age
   User must change the password af... 30
☑ Enforce account lockout policy:
   Number of failed logon attempts allo... 5
   Reset failed logon attempts count aft... 30
   Account will be locked out
   • For a duration of (mins). 60
   ○ Until an administrator manually unlocks the a...

Directly Applies To

Name	Mail	
ServiceAccounts		Add...
		Remove

Extensions

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.	○	○
The password of ServiceAccount2 must be at least 16 characters long.	○	○
Accounts that have the Service Accounts Policy applied can change their password to P@$$w0rd1.	○	○

Answer Area:

Statements	Yes	No
The password of ServiceAccount1 must be at least 16 characters long.	⬤	○
The password of ServiceAccount2 must be at least 16 characters long.	○	⬤
Accounts that have the Service Accounts Policy applied can change their password to P@$$w0rd1.	⬤	○

QUESTION 55
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	Answer Area
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.	

Correct Answer:

Actions	Answer Area
Create a Dynamic Access Control central access policy.	Create an authentication policy.
Configure the Kerberos Policy settings for the Default Domain Policy Group Policy Object (GPO).	Create an authentication policy silo.
Create a Dynamic Access Control claim type.	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 56
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.
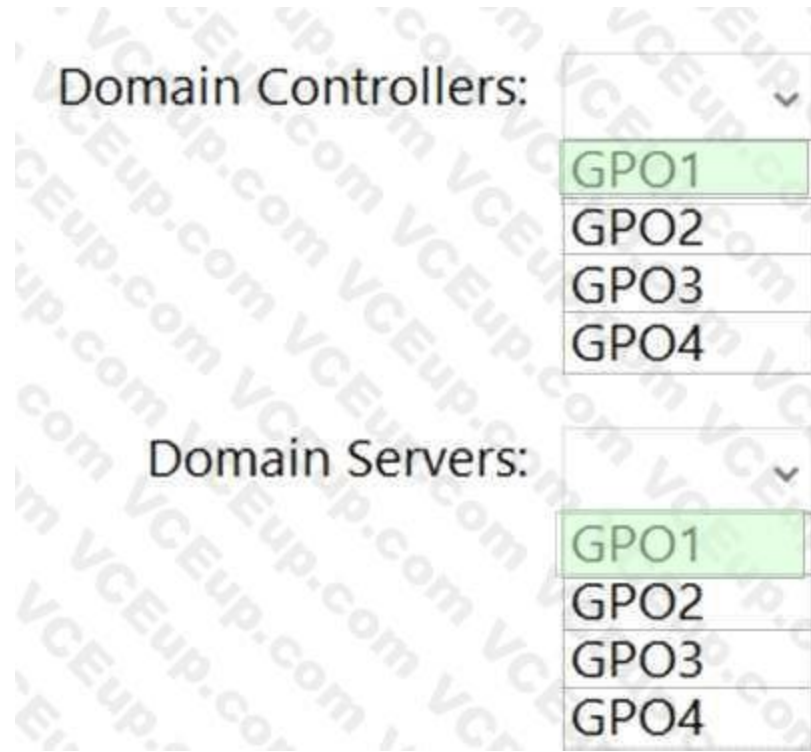
Hot Area:

Domain Controllers:
GPO1
GPO2
GPO3
GPO4

Domain Servers:
GPO1
GPO2
GPO3
GPO4

Answer Area:

Domain Controllers:

GPO1
GPO2
GPO3
GPO4

Domain Servers:

GPO1
GPO2
GPO3
GPO4

Section:

Explanation:

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

QUESTION 57

DRAG DROP

Your network contains an Active Directory Domain Services (AD DS) domain that has the Active Directory Recycle Bin enabled. The domain contains two domain controllers named DC1 and DC2. The system state of the domain controllers is backed up daily at 23:00 by using Windows Server Backup. You have an organizational unit (OU) named ParisUsers that contains 1,000 users.

At 08:00, DC1 shuts down for hardware maintenance. The maintenance completes, but DC1 remains shut down. At 09:00, an administrative error causes the manager attribute of each user in ParisUsers to be deleted. You need to recover the user account details as quickly as possible. The solution must minimize data loss. 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	Answer Area
Start DC1 normally.	
Perform an authoritative restore on DC1.	
Recover all the user objects in the Active Directory Recycle Bin.	
Start DC1 by using the Last Known Good Configuration.	
Start DC1 in Directory Services Restore Mode.	
Perform a system state restore on DC1.	

Correct Answer:

Actions	Answer Area
Start DC1 normally.	Start DC1 in Directory Services Restore Mode.
	Perform a system state restore on DC1.
Recover all the user objects in the Active Directory Recycle Bin.	Perform an authoritative restore on DC1.
Start DC1 by using the Last Known Good Configuration.	

Section:
Explanation:

QUESTION 58
DRAG DROP
Your network contains an Active Directory Domain Services (AD DS) domain that has the Active Directory Recycle Bin enabled. All domain controllers are backed up daily. You accidentally remove all the users from a domain group.
You need to get a list of the users that were previously in the group.
Which four actions should you perform in sequence from a domain controller? 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:

Action	Answer Area
Mount Active Directory to port 51389.	
View the membership of the group.	
Restore the system state to an alternate location.	
From the Deleted Objects container in Active Directory Administrative Center, run the Restore task.	
From Active Directory Users and Computers, change the domain controller to localhost:51389.	
Restore the group from the Active Directory Recycle Bin.	

Correct Answer:

Action

From the Deleted Objects container in Active Directory Administrative Center, run the Restore task.
Restore the group from the Active Directory Recycle Bin.

Answer Area

Restore the system state to an alternate location.
Mount Active Directory to port 51389.
From Active Directory Users and Computers, change the domain controller to localhost:51389.
View the membership of the group.

Section:
Explanation:
Reference: http://sysadmindoc.blogspot.com/2018/10/mount-active-directory-database-from.html

QUESTION 59
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: