AZ-801^{Q&As}

Configuring Windows Server Hybrid Advanced Services

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QUESTION 1

Your network contains an Active Directory Domain Services (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. Azure ATP Sensor Setup.exe

B. AzureConnectedMachineAgent.msi

C. MARSAgentInstaller.exe

D. MMASetup-AMD64.exe

Correct Answer: A

Azure ATP uses data from sensors, known as Azure ATP Sensors, that are installed on your domain controllers. The ATP sensors monitor the domain controller network traffic for signs of malicious activity, as well as other security risks such

as connections made with weak or insecure protocols.

Incorrect:

Not B: The Azure Connected Machine agent enables you to manage your Windows and Linux machines hosted outside of Azure on your corporate network or other cloud providers.

Not C: Azure Backup uses the MARS agent to back up files, folders, and system state from on-premises machines and Azure VMs. Those backups are stored in a

Recovery Services vault in Azure.

Not D: The Microsoft Monitoring Agent is a service used to watch and report on application and system health on a Windows computer. The Microsoft Monitoring

Agent collects and reports a variety of data including performance metrics, event logs and trace information.

QUESTION 2

HOTSPOT

You have a Windows Server failover cluster named Cluster1 that has a cloud witness and the nodes shown in the following table.

Name	Windows Server role	Assigned vote
Node1	File Server, DFS Namespace Server	1
Node2	DFS Namespace Server	1
Node3	File Server, DFS Namespaces Server	1
Node4	File Server	0

Cluster1 has the roles shown in the following table.

Name	Cluster role
FS1	File Server for general use
DFS1	DFS Namespace Server

Cluster1 has the following configuration.

```
PS C:\> Get-ClusterFaultDomain

Name    Type ParentName ChildrenNames   Location
----    ---- ---------- -------------   --------
Site1 Site              {Node1, Node2}
Site2 Site              {Node3, Node4}
Node1 Node Site1
Node2 Node Site1
Node3 Node Site2
Node4 Node Site2
```

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	Yes	No
If FS1 runs on Node3, and Node3 fails, FS1 will fail over to Node4 automatically.	○	○
If DFS1 runs on Node2, and Node2 fails, DFS1 will fail over to Node3 automatically.	○	○
If Site2 fails, DFS1 will remain available.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
If FS1 runs on Node3, and Node3 fails, FS1 will fail over to Node4 automatically.	●	○
If DFS1 runs on Node2, and Node2 fails, DFS1 will fail over to Node3 automatically.	○	●
If Site2 fails, DFS1 will remain available.	●	○

1.

Yes.

Node 4 has the file server role and is in the same site as node 3. As node 4 is not assigned vote, this means that node 4 will not take part in voting but it can still run the file server service. Furthermore, in multi-stie configuration, failover

preference will be on the node in the same site (node 4)

2.

No.

As node 1 is in the same site as node 2, the preference will be to failover the DFS role on node 1.

3.

Yes

Site 1 has 2 nodes with the DFS role. Even if site 2 fails, 3 votes will still be remaining (node1, node2 and cloud witness) which is sufficient to maintain quorum.

QUESTION 3

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:

Deploy to Azure:

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

Install on Server1:

| The Azure Connected Machine agent |
| The Azure File Sync agent |
| Storage Migration Service |
| Storage Replica |

Correct Answer:

Deploy to Azure:

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

Install on Server1:

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

QUESTION 4

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

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

Your 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: A

QUESTION 5

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

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

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 configurations:

1.

Operating system disk: 600 GB

2.

Data disk: 3 TB

3.

NIC Teaming: Enabled

4.

Mobility service: Installed

5.

Windows Defender Firewall: Enabled

6.

Microsoft Defender Antivirus: Enabled

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

Solution: You disable Windows Defender Firewall on Server1.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 6

You have a failover cluster named Cluster1 that has the following configurations:

1.

Number of nodes: 6

2.

Quorum: Dynamic quorum

3.

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

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

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QUESTION 7

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.	

QUESTION 8

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 Virus and threat protection, you configure Controlled folder access.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

Reference:

https://docs.microsoft.com/en-us/microsoft-365/security/defender-endpoint/customize- controlled-folders?view=o365-worldwide

QUESTION 9

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:

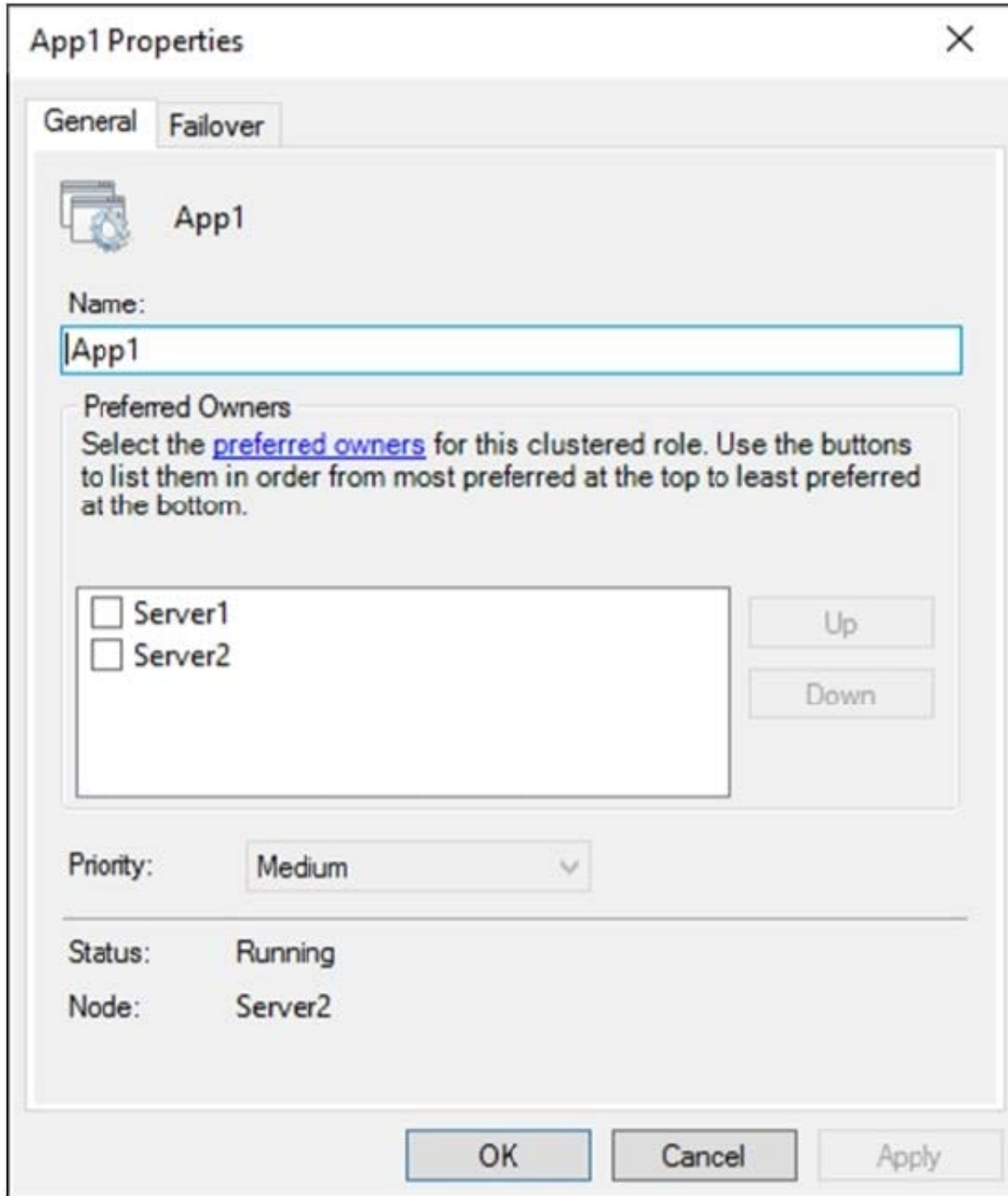| Action	Answer Area
	Restore the system state to an alternate location.
	Mount Active Directory to port 51389.
	From Active Directory Users and Computers, change the domain controller to localhost:51389.
From the Deleted Objects container in Active Directory Administrative Center, run the Restore task.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

QUESTION 10

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

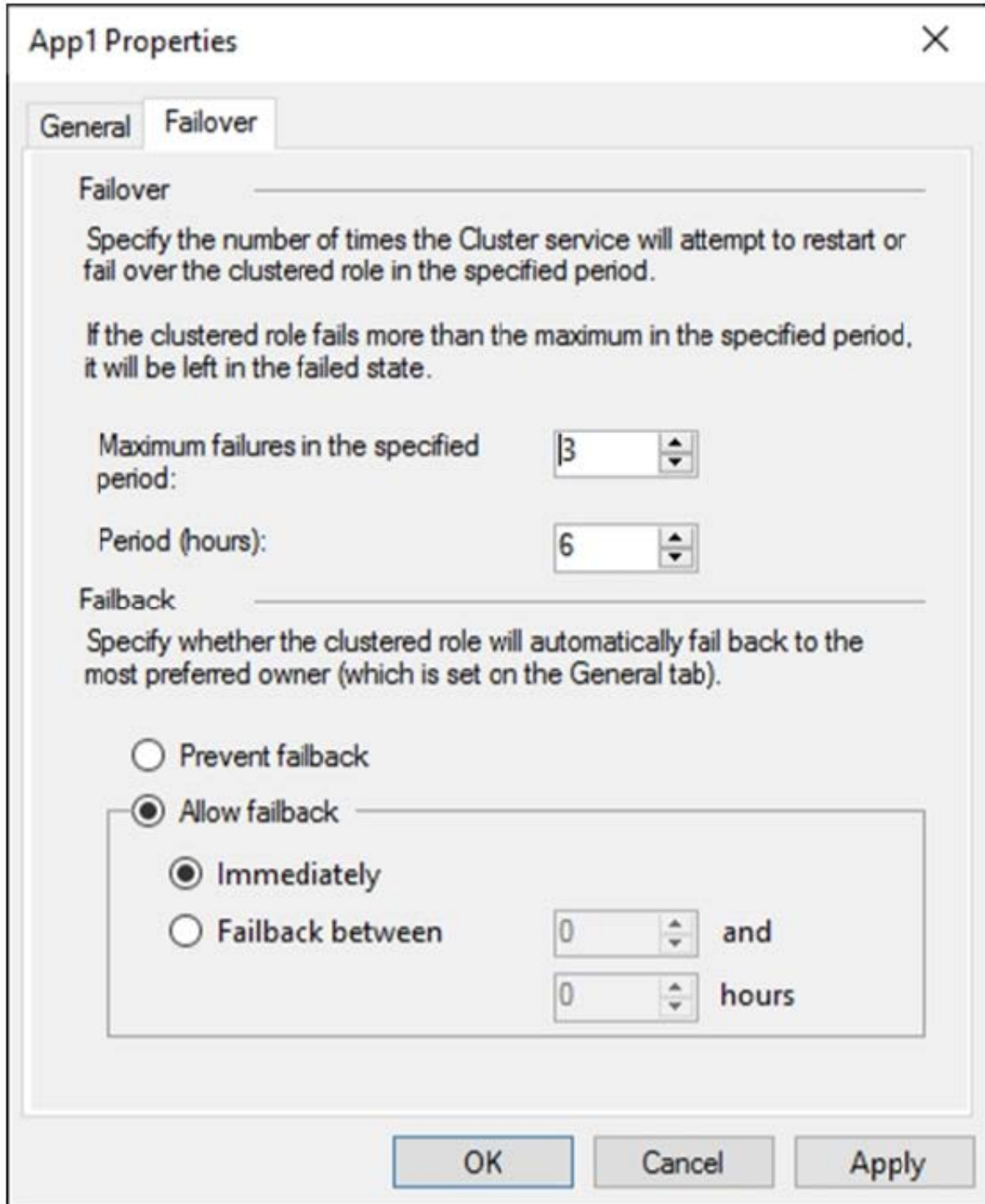others might not have a correct solution.

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.)

App1 Properties ✕

General | Failover

App1

Name:

|App1

Preferred Owners

Select the preferred owners for this clustered role. Use the buttons
to list them in order from most preferred at the top to least preferred
at the bottom.

☐ Server1   Up
☐ Server2
                                  Down

Priority: Medium   ∨

Status: Running

Node: Server2

OK   Cancel   Apply

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

App1 Properties

General Failover

Failover

Specify the number of times the Cluster service will attempt to restart or fail over the clustered role in the specified period.

If the clustered role fails more than the maximum in the specified period, it will be left in the failed state.

Maximum failures in the specified period: 3

Period (hours):   6

Failback

Specify whether the clustered role will automatically fail back to the most preferred owner (which is set on the General tab).

○ Prevent failback

◉ Allow failback

  ◉ Immediately

  ○ Failback between   0   and

                        0   hours

OK   Cancel   Apply

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: A

QUESTION 11

You have 50 on-premises servers that run Windows Server. You have an Azure subscription that contains 50 virtual machines that run Windows Server. You need to create an Azure Monitor alert that will be triggered if one of the servers or virtual machines has less than 10 percent available disk space. What should you do first?

A. Create an Alert Rule

B. Install the Azure Monitor agent on each server.

C. Enable System Insights on each server.

D. Create a Log Analytics workspace and configure the Agent management settings.

Correct Answer: A

https://learn.microsoft.com/en-us/answers/questions/165893/help-to-set-up-azure-alert-fordisk-space-alert-wh.html

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QUESTION 12

HOTSPOT

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

Name	Operating system	Server role
Server1	Windows Server 2019	DHCP Server
Server2	Windows Server 2022	DHCP Server
Server3	Windows Server 2019	File Server

Server3 contains a share named Share1.

On Server1, DHCP has the following configurations:

Conflict detection attempts: 3

An IPv4 scope named Scope1 that has the following settings:

Address Pool: 172.16.10.100 - 172.16.10.130

Address Leases:

172.16.10.100 computer1.contoso.com

172.16.10.101 computer2.contoso.com Reservations: 172.16.10.101 computer2.contoso.com Policies: Policy1

You perform the following actions:

On Server1, you run Export-DhcpServer -File \\Server3\Share1\File1.xml. On Server2, you run Import-DhcpServer -File \\Server3\Share1\File1.xml -BackupPath \\Server3\Share1.

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
On Server2, Conflict detection attempts is set to 3.	○	○
On Server2, there is a reservation for computer2.contoso.com.	○	○
On Server2, Policy1 is applied to Scope1.	○	○

Correct Answer:

Statements	Yes	No
On Server2, Conflict detection attempts is set to 3.	○	○
On Server2, there is a reservation for computer2.contoso.com.	○	○
On Server2, Policy1 is applied to Scope1.	○	○

QUESTION 13

DRAG DROP

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

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

1.

Ensures that the members of the Domain Admins group are allowed to sign in only to domain controllers

2.

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.

Reference: https://docs.microsoft.com/en-us/windows-server/identity/ad-ds/manage/how-to-configure-protected-accounts

QUESTION 14

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:

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

Correct Answer:

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

QUESTION 15

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

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