



**Exam Code:** AZ-800

**Exam Name:** Administering Windows Server Hybrid Core Infrastructure

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## Topic 1, Case Study 1

### Case Study

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### 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 Question button to return to the question.

### Overview

Fabrikam, Inc is a manufacturing company that has a main office in New York and a branch office in Seattle.

### Existing Environment On-premises Servers

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



Name	Configuration	Office
AADC1	Azure AD Connect	New York
APP1	Application Server	New York
APP2	Application Server	Seattle
DC1	Domain Controller	New York
DC2	Domain Controller	Seattle
DHCP1	DHCP server	New York
DHCP2	DHCP server	Seattle
FS1	File server	New York
FS2	File server	Seattle
VM1	<b>None</b>	New York
VM2	<b>None</b>	Seattle
WEB1	Web server	New York
Web2	Web server	Seattle



DC1 hosts all the operation master roles.

WEB1 and WEB2 run an Internet Information Services (IIS) web app named Webapp1. On-premises Network The New York and Seattle offices are connected by using redundant WAN links.

The client computers in each office get IP addresses from their local DHCP server.

DHCP1 contains a scope named Scope1 that has addresses for the New York office, DHCP2 contains a scope named Scope2 that has addresses for the Seattle office.

Identity Infrastructure

The network contains a single on-premises Active Directory Domain Services (AD DS) domain named corp.falbrikam.com.

Currently, all the service accounts use individual domain user accounts.

All domain controllers have the DNS Server role installed and host a copy of the Active Directory integrated DNS zone of corp.fabrikam.com.

The corp.fabrikam.com AD DS domain syncs with an Azure Active Directory (Azure AD) tenant.

Group Policy Objects (GPOs)

The corp.fabrikam.com domain contains the organizational units (OUs) and custom Group Policy Objects (GPOs) shown in the following table.

OU name	Linked GPO	Description
AllUsers	GPO1	Contains all the user accounts in the domain
AllComputers	GPO2	Contains all the computer accounts for the client computers in the domain
AllServers	GPO3	Contains all the computer accounts for Windows servers
VirtualDesktops	GPO4	A new OU that will contain the computers account for AzureVirtual Desktop session hosts

Requirements

Planned Changes

Fabrikam identifies the following planned changes:

Create a single Azure subscription named Sub1 that will contain a single Azure virtual network named Vnet1.

Replace the WAN links between the Seattle and New York offices by using Azure Virtual WAN and ExpressRoute. Both on premises offices will be connected to Vnet1 by using ExpressRoute. Create three Azure file shares named newyorkhiles, seattlefiles, and companyfiles.

Create a domain controller named dc3.corp.fabrikam.com in Vnet1.

Deploy an Azure Virtual Desktop host pool to Vnet1. The Azure Virtual Desktop session hosts will be hybrid Azure ADjoined.

License all servers for Microsoft Defender for servers.

Use Azure Policy to enforce configuration management policies on the servers in Azure and on-premises.

Networking Requirements

Fabrikam identifies the following networking requirements:

Implement Virtual WAN and ensure that all the network traffic between the sites uses Virtual WAN. All communications must occur over ExpressRoute.

If a DHCP server fails, ensure that the client computers can continue to receive their dynamic IP address and renew their existing lease. Ensure that the resources in Vnet1 can resolve the names of the on-premises servers in the corp.fabrikam.com domain.

Security Requirements

Fabrikam identifies the following security requirements:

Apply GPO4 to the Azure Virtual Desktop session hosts. Ensure that Azure Virtual Desktop user sessions lock after being idle for 10 minutes. Users must be able to control the lockout time manually from their client computer.

Ensure that server administrators request approval before they can establish a Remote Desktop connection to an Azure virtual machine. If the request is approved, the connection must be established within two hours.

Prevent user passwords from containing all or part of words that are based on the company name, such as Fab, f@br1kAm or fabr!|.

Ensure that all instances of Webapp1 use the same service account. The password of the service account must change automatically every 30 days. Prevent domain controllers from directly contacting hosts on the internet.

#### File Sharing Requirements

You need to configure the synchronization of Azure files to meet the following requirements:

Ensure that seattlefiles syncs to FS2.

Ensure that newyorkfiles syncs to FS1.

Ensure that companyfiles syncs to both FS1 and FS2.

QUESTION NO: 1

DRAG DROP

Which three actions should you perform in sequence to meet the security requirements for Webapp1? 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 standalone managed service account (sMSA) in AD DS.

Configure the IIS application pool to run as Network Service.

Configure the IIS application pool to run as a specified user account.

Create a group managed service account (gMSA) in Active Directory.

Create a system-assigned managed identity in Azure AD.

Create a user-assigned managed identity in Azure AD.

Create the Key Distribution Services (KDS) root key in AD DS.

ANSWER:



Actions	Answer Area
Create a standalone managed service account (sMSA) in AD DS.	Configure the IIS application pool to run as Network Service.
	Create a group managed service account (gMSA) in Active Directory.
Configure the IIS application pool to run as a specified user account.	Create the Key Distribution Services (KDS) root key in AD DS.
Create a system-assigned managed identity in Azure AD.	
Create a user-assigned managed identity in Azure AD.	

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/security/group-managed-service-accounts/group-managedservice-accounts-overview>

QUESTION NO: 2

DRAG DROP

You need to meet the security requirements for passwords.

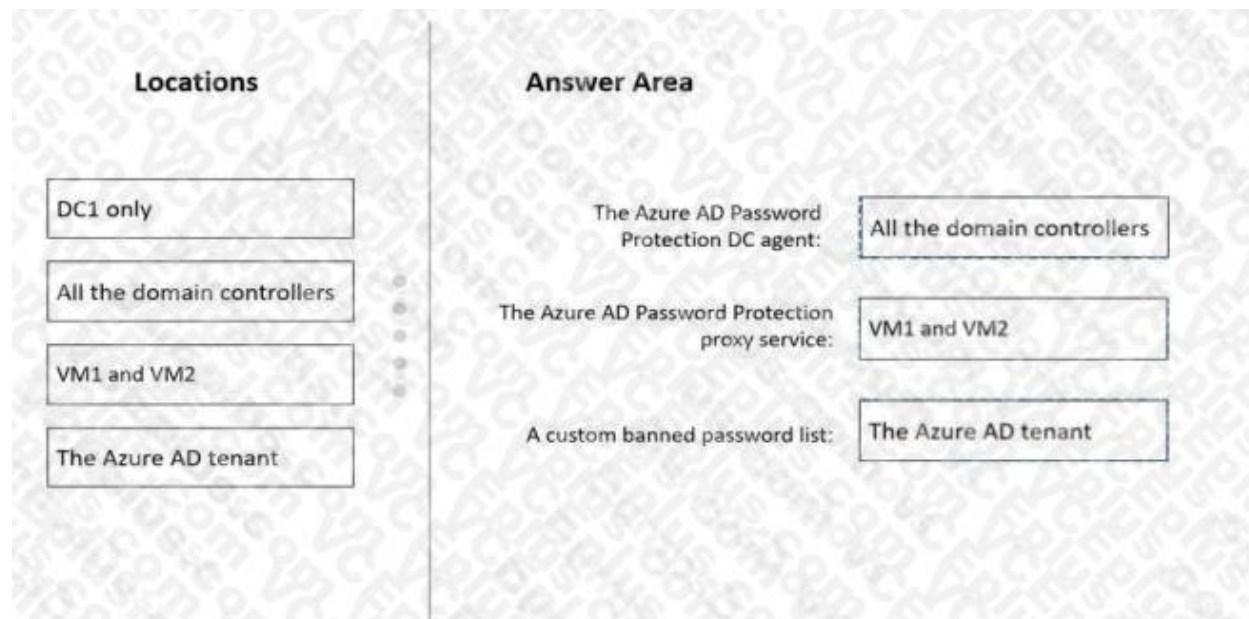
Where should you configure the components for Azure AD Password Protection? To answer, drag the appropriate components to the correct locations. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Locations	Answer Area
DC1 only	The Azure AD Password Protection DC agent: Location
All the domain controllers	The Azure AD Password Protection proxy service: Location
VM1 and VM2	A custom banned password list: Location
The Azure AD tenant	

ANSWER:



Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-password-ban-bad-on-premises>

## Topic 2, Case Study 2

### Case Study

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To start the case study

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### Overview

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

### Existing Environment

#### AD DS Environment

The network contains an on premises Active Directory Domain Services (AD DS) forest named contoso.com. The forest contains two domains named contoso.com and canada.contoso.com.

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

Name	Domain	Active Directory site
DC1	contoso.com	Seattle
DC2	contoso.com	Los Angeles
DC3	canada.contoso.com	Montreal
DC4	contoso.com	Montreal
DC5	canada.contoso.com	Seattle

All the domain controllers are global catalog servers.

Server infrastructure

The network contains the servers shown in the following table.

Name	Organizational Unit (OU)	Server role	Domain	Active Directory site
Server1	Member Servers	None	canada.contoso.com	Montreal
Server2	Member Servers	Hyper-V	canada.contoso.com	Montreal
Server3	Member Servers	None	canada.contoso.com	Montreal

A server named Server4 runs Windows Server and is in a workgroup. Windows Firewall on Server4 uses the private profile.

Server2 hosts three virtual machines named VM1, VM2, and VM3.

VM3 is a file server that stores data in the volumes shown in the following table.

Name	File system
C	NTFS
D	NTFS
E	ReFS
F	ExFat

Group Policies



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

Name	Minimum password length	Linked to
GPO1	14	OU1
GPO2	8	Member Servers
Default Domain Policy	10	contoso.com

#### Existing Identities

The forest contains the users shown in the following table.

Name	In OU	Member of
Contoso\Admin1	Contoso\OU1	Contoso\Enterprise Admins
Contoso\Admin2	Contoso\OU1	Contoso\Domain Admins
Canada\Admin3	Canada\OU2	Canada\Domain Admins
Contoso\User1	Contoso\OU3	Contoso\Domain Users

The forest contains the groups shown in the following table.

Name	Domain	Type
Group1	contoso.com	Universal security group
Group2	contoso.com	Global security group
Group3	contoso.com	Domain local security group
Group4	canada.contoso.com	Global distribution group
Group5	canada.contoso.com	Global distribution group
Group6	canada.contoso.com	Domain local distribution group

#### Current Problems

When an administrator signs in to the console of VM2 by using Virtual Machine Connection, and then disconnects from the session without signing out, another administrator can connect to the console session as the currently signed in user.

#### Requirements

##### Technical Requirements

Contoso identifies the following technical requirements:

Change the replication schedule for all site links to 30 minutes.

Promote Server1 to a domain controller in canada.contoso.com.

Install and authorize Server3 as a DHCP server.

Ensure that User1 can manage the membership of all the groups in Contoso\OU3.

Ensure that you can manage Server4 from Server1 by using PowerShell remoting.

Ensure that you can run virtual machines on VM1.

Force users to provide credentials when they connect to VM2.

On VM3, ensure that Data Deduplication on all volumes is possible.

QUESTION NO: 3

You need to meet the technical requirements for User1. The solution must use the principle of least privilege.

What should you do?

A. Add Users1 to the Server Operators group in contoso.com.

B. Create a delegation on contoso.com.

C. Add Users1 to the Account Operators group in contoso.com.

D. Create a delegation on OU3.

ANSWER: D

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/identity/ad-ds/plan/delegating-administration-of-account-ousand-resource-ous>

QUESTION NO: 4

HOTSPOT

Which groups can you add to Group3 and Group5? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



**Answer Area**

Group3:

Group6 only
Group1 and Group2 only
Group1 and Group4 only
Group1, Group2, Group4, and Group5 only
Group1, Group2, Group4, Groups, and Group6

Group5:

Group1 only
Group4 only
Group6 only
Group2 and Group4 only
Group4 and Group6 only

ANSWER:

**Answer Area**

Group3:

Group6 only
Group1 and Group2 only
Group1 and Group4 only
Group1, Group2, Group4, and Group5 only
Group1, Group2, Group4, Groups, and Group6

Group5:

Group1 only
Group4 only
Group6 only
Group2 and Group4 only
Group4 and Group6 only

Explanation:

Reference:

<https://docs.microsoft.com/en-us/windows/security/identity-protection/access-control/active-directory-security-groups>

### Topic 3, Case Study 3

#### Case Study

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#### Overview

Fabrikam, Inc is a manufacturing company that has a main office in New York and a branch office in Seattle.

#### Existing Environment On-premises Servers

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





Name	Configuration	Office
AADC1	Azure AD Connect	New York
APP1	Application Server	New York
APP2	Application Server	Seattle
DC1	Domain Controller	New York
DC2	Domain Controller	Seattle
DHCP1	DHCP server	New York
DHCP2	DHCP server	Seattle
FS1	File server	New York
FS2	File server	Seattle
VM1	<b>None</b>	New York
VM2	<b>None</b>	Seattle
WEB1	Web server	New York
WEB2	Web server	Seattle



DC1 hosts all the operation master roles.

WEB1 and WEB2 run an Internet Information Services (IIS) web app named Webapp1. On-premises Network The New York and Seattle offices are connected by using redundant WAN links.

The client computers in each office get IP addresses from their local DHCP server.

DHCP1 contains a scope named Scope1 that has addresses for the New York office, DHCP2 contains a scope named Scope2 that has addresses for the Seattle office.

Identity Infrastructure

The network contains a single on-premises Active Directory Domain Services (AD DS) domain named corp.falbrikam.com.

Currently, all the service accounts use individual domain user accounts.

All domain controllers have the DNS Server role installed and host a copy of the Active Directory integrated DNS zone of corp.fabrikam.com.

The corp.fabrikam.com AD DS domain syncs with an Azure Active Directory (Azure AD) tenant.

Group Policy Objects (GPOs)

The corp.fabrikam.com domain contains the organizational units (OUs) and custom Group Policy Objects (GPOs) shown in the following table.

OU name	Linked GPO	Description
AllUsers	GPO1	Contains all the user accounts in the domain
AllComputers	GPO2	Contains all the computer accounts for the client computers in the domain
AllServers	GPO3	Contains all the computer accounts for Windows servers
VirtualDesktops	GPO4	A new OU that will contain the computers account for AzureVirtual Desktop session hosts

Requirements

Planned Changes

Fabrikam identifies the following planned changes:

Create a single Azure subscription named Sub1 that will contain a single Azure virtual network named Vnet1.

Replace the WAN links between the Seattle and New York offices by using Azure Virtual WAN and ExpressRoute. Both on premises offices will be connected to Vnet1 by using ExpressRoute. Create three Azure file shares named newyorkhiles, seattlefiles, and companyfiles.

Create a domain controller named dc3.corp.fabrikam.com in Vnet1.

Deploy an Azure Virtual Desktop host pool to Vnet1. The Azure Virtual Desktop session hosts will be hybrid Azure ADjoined.

License all servers for Microsoft Defender for servers.

Use Azure Policy to enforce configuration management policies on the servers in Azure and on-premises.

Networking Requirements

Fabrikam identifies the following networking requirements:

Implement Virtual WAN and ensure that all the network traffic between the sites uses Virtual WAN. All communications must occur over ExpressRoute.

If a DHCP server fails, ensure that the client computers can continue to receive their dynamic IP address and renew their existing lease. Ensure that the resources in Vnet1 can resolve the names of the on-premises servers in the corp.fabrikam.com domain.

Security Requirements

Fabrikam identifies the following security requirements:

Apply GPO4 to the Azure Virtual Desktop session hosts. Ensure that Azure Virtual Desktop user sessions lock after being idle for 10 minutes. Users must be able to control the lockout time manually from their client computer.

Ensure that server administrators request approval before they can establish a Remote Desktop connection to an Azure virtual machine. If the request is approved, the connection must be established within two hours.

Prevent user passwords from containing all or part of words that are based on the company name, such as Fab, f@br1kAm or fabr!|.

Ensure that all instances of Webapp1 use the same service account. The password of the service account must change automatically every 30 days. Prevent domain controllers from directly contacting hosts on the internet.

#### File Sharing Requirements

You need to configure the synchronization of Azure files to meet the following requirements:

Ensure that seattlefiles syncs to FS2.

Ensure that newyorkfiles syncs to FS1.

Ensure that companyfiles syncs to both FS1 and FS2.

QUESTION NO: 5

#### HOTSPOT

You need to configure network communication between the Seattle and New York offices. The solution must meet the networking requirements.

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**

On a Virtual WAN hub:

An ExpressRoute gateway
A virtual network gateway
An ExpressRoute circuit connection

In the offices:

An ExpressRoute circuit connection
A Site to-Site VPN
An Azure application gateway
An on premises data gateway

ANSWER:

**Answer Area**

On a Virtual WAN hub:

<input type="checkbox"/>
<input checked="" type="checkbox"/> An ExpressRoute gateway
<input type="checkbox"/> A virtual network gateway
<input type="checkbox"/> An ExpressRoute circuit connection

In the offices:

<input type="checkbox"/>
<input checked="" type="checkbox"/> An ExpressRoute circuit connection
<input type="checkbox"/> A Site-to-Site VPN
<input type="checkbox"/> An Azure application gateway
<input type="checkbox"/> An on-premises data gateway

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-expressroute-portal>

QUESTION NO: 6

You need to configure remote administration to meet the security requirements.

What should you use?

- A. an Azure Bastion host
- B. Azure AD Privileged Identity Management (PIM)
- C. the Remote Desktop extension for Azure Cloud Services
- D. just in time (JIT) VM access

ANSWER: D

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/defender-for-cloud/just-in-time-access-usage?tabs=jit-config-asc%2Cjitrequest-asc>

QUESTION NO: 7

You need to implement an availability solution for DHCP that meets the networking requirements.

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

NOTE: Each correct selection is worth one point.

- A. On DHCP1, create a scope that contains 25 percent of the IP addresses from Scope2.
- B. On the router in each office, configure a DHCP relay.
- C. DHCP2, configure a scope that contains 25 percent of the IP addresses from Scope1.
- D. On each DHCP server, install the Failover Clustering feature and add the DHCP cluster role.



E. On each DHCP scope, configure DHCP failover.

ANSWER: D E

Explanation:

Reference: [https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/hh831385\(v=ws.11\)](https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/hh831385(v=ws.11))

Topic 4, Mixed Questions

QUESTION NO: 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.

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

You need to identify which server is the PDC emulator for the domain.

Solution: From Active Directory Sites and Services, you right-click Default-First-Site-Name in the console tree, and then select Properties.

Does this meet the goal?

A. Yes

B. No

ANSWER: B

QUESTION NO: 9

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

You need to identify which server is the PDC emulator for the domain.

Solution: From Active Directory Domains and Trusts, you right-click Active Directory Domains and Trusts in the console tree, and then select Operations Master.

Does this meet the goal?

A. Yes

B. No

ANSWER: B

QUESTION NO: 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.

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

You need to identify which server is the PDC emulator for the domain.

Solution: From a command prompt, you run netdom.exe query fsmo.

Does this meet the goal?

A. Yes

B. No

ANSWER: A

Explanation:

Reference: <https://activedirectorypro.com/how-to-check-fsmo-roles/>

QUESTION NO: 11

You have an on premises Active Directory Domain Services (AD DS) domain that syncs with an Azure Active Directory (Azure AD) tenant.

You plan to implement self-service password reset (SSPR) in Azure AD.

You need to ensure that users that reset their passwords by using SSPR can use the new password resources in the AD DS domain.

What should you do?

A. Deploy the Azure AD Password Protection proxy service to the on premises network.

B. Run the Microsoft Azure Active Directory Connect wizard and select Password writeback.

C. Grant the Change password permission for the domain to the Azure AD Connect service account.

D. Grant the impersonate a client after authentication user right to the Azure AD Connect service account.

ANSWER: B

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/authentication/tutorial-enable-sspr-writeback>

QUESTION NO: 12

You have an Azure Active Directory Domain Services (Azure AD DS) domain named contoso.com.

You need to provide an administrator with the ability to manage Group Policy Objects (GPOs). The solution must use the principle of least privilege.

To which group should you add the administrator?

A. AAD DC Administrators

B. Domain Admins

C. Schema Admins

D. Enterprise Admins

E. Group Policy Creator Owners

ANSWER: D



Explanation:

Reference:

<https://social.technet.microsoft.com/wiki/contents/articles/20579.delegation-of-group-policy-full-administration.aspx>

QUESTION NO: 13

DRAG DROP

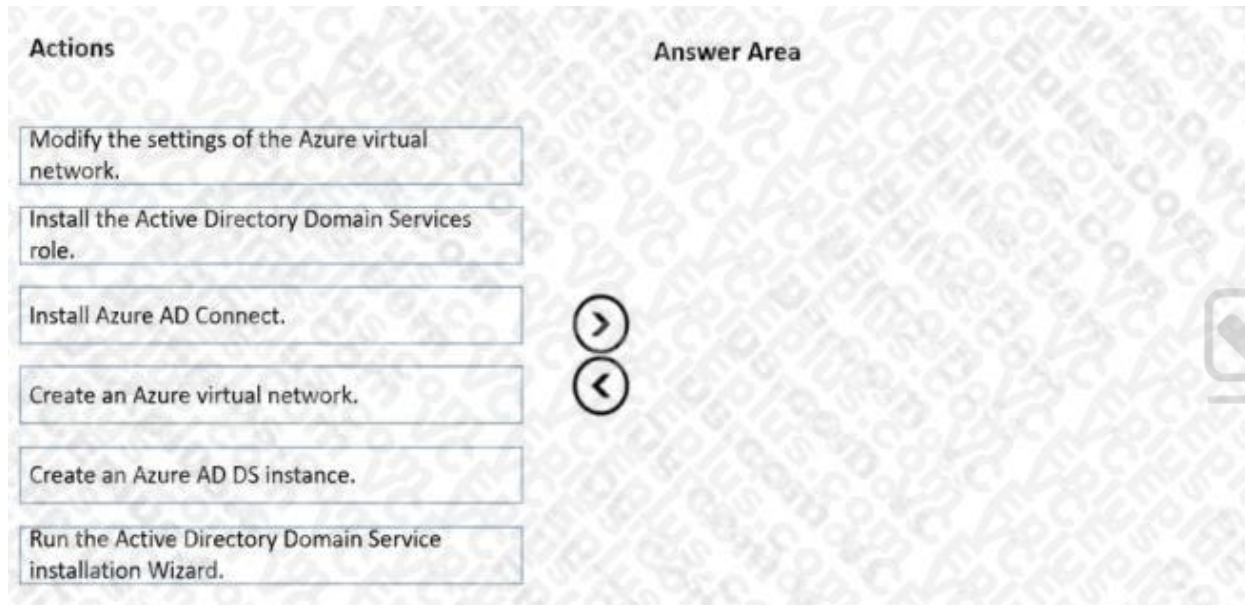
You create a new Azure subscription.

You plan to deploy Azure Active Directory Domain Services (Azure AD DS) and Azure virtual machines. The virtual machines will be joined to Azure AD DS.

You need to deploy Active Directory Domain Services (AD DS) to ensure that the virtual machines can be deployed and joined to Azure AD DS.

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
Modify the settings of the Azure virtual network.	
Install the Active Directory Domain Services role.	
Install Azure AD Connect.	
Create an Azure virtual network.	
Create an Azure AD DS instance.	
Run the Active Directory Domain Service installation Wizard.	

ANSWER:

Actions	Answer Area
Modify the settings of the Azure virtual network.	Create an Azure AD DS instance.
Install the Active Directory Domain Services role.	Create an Azure virtual network.
Install Azure AD Connect.	Run the Active Directory Domain Service installation Wizard.

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/active-directory-domain-services/tutorial-create-instance>

QUESTION NO: 14

HOTSPOT

You have an Azure Active Directory Domain Services (Azure AD DS) domain.

You create a new user named Admin1.

You need Admin1 to deploy custom Group Policy settings to all the computers in the domain. The solution must use the principle of least privilege.

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

Hot Area:

Answer Area				
Add Admin1 to the following group:	<table border="1"> <tr><td>AAD DC Administrators</td></tr> <tr><td>Domain Admins</td></tr> <tr><td>Group Policy Creator Owners</td></tr> </table>	AAD DC Administrators	Domain Admins	Group Policy Creator Owners
AAD DC Administrators				
Domain Admins				
Group Policy Creator Owners				
Instruct Admin1 to apply the custom Group Policy settings by:	<table border="1"> <tr><td>Creating a new Group Policy Object (GPO) and linking the GPO to the domain</td></tr> <tr><td>Modifying AADDC Computers GPO</td></tr> <tr><td>Modifying the default domain GPO</td></tr> </table>	Creating a new Group Policy Object (GPO) and linking the GPO to the domain	Modifying AADDC Computers GPO	Modifying the default domain GPO
Creating a new Group Policy Object (GPO) and linking the GPO to the domain				
Modifying AADDC Computers GPO				
Modifying the default domain GPO				

ANSWER:



**Answer Area**

Add Admin1 to the following group:

AAD DC Administrators
Domain Admins
Group Policy Creator Owners

Instruct Admin1 to apply the custom Group Policy settings by:

Creating a new Group Policy Object (GPO) and linking the GPO to the domain
Modifying AADDC Computers GPO
Modifying the default domain GPO

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/active-directory-domain-services/manage-group-policy>

QUESTION NO: 15

DRAG DROP

Your network contains a single domain Active Directory Domain Services (AD DS) forest named contoso.com. The forest contains a single Active Directory site.

You plan to deploy a read only domain controller (RODC) to a new datacenter on a server named Server1. A user named User1 is a member of the local Administrators group on Server1.

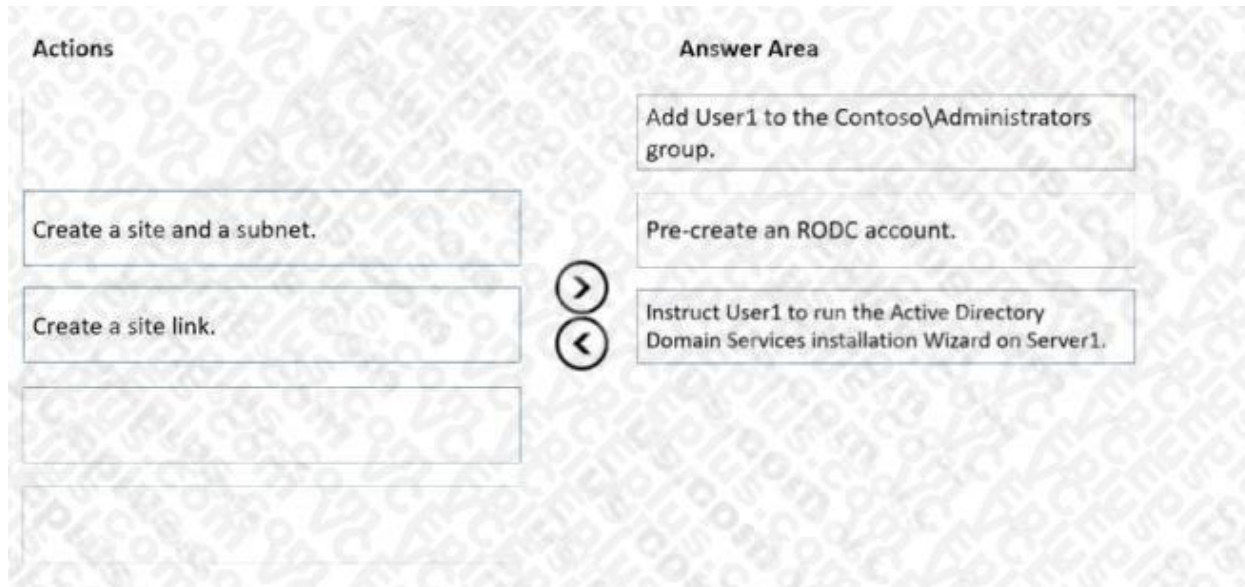
You need to recommend a deployment plan that meets the following requirements:

Ensures that a user named User1 can perform the RODC installation on Server1 Ensures that you can control the AD DS replication schedule to the Server1 Ensures that Server1 is in a new site named RemoteSite1 Uses the principle of least privilege Which three actions should you recommend performing 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
Instruct User1 to run the Active Directory Domain Services installation Wizard on Server1.	
Create a site and a subnet.	
Create a site link.	
Pre-create an RODC account.	
Add User1 to the Contoso\Administrators group.	

ANSWER:



Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/identity/ad-ds/deploy/rodc/install-a-windows-server-2012-active-directory-read-only-domain-controller--rodc---level-200->

QUESTION NO: 16

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

You have a Group Policy Object (GPO) named GPO1 that contains Group Policy preferences.

You plan to link GPO1 to the domain.

You need to ensure that the preference in GPO1 apply only to domain member servers and NOT to domain controllers or client computers. All the other Group Policy settings in GPO1 must apply to all the computers. The solution must minimize administrative effort.

Which type of item level targeting should you use?

- A. Domain
- B. Operating System
- C. Security Group
- D. Environment Variable

ANSWER: B

Explanation:

Reference:

[https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/dn789189\(v=ws.11\)#operating-system-targeting](https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/dn789189(v=ws.11)#operating-system-targeting)

QUESTION NO: 17

DRAG DROP

You deploy a new Active Directory Domain Services (AD DS) forest named contoso.com. The domain contains three domain controllers named DC1, DC2, and DC3.

You rename Default-First-Site-Name as Site1.

You plan to ship DC1, DC2, and DC3 to datacenters in different locations.

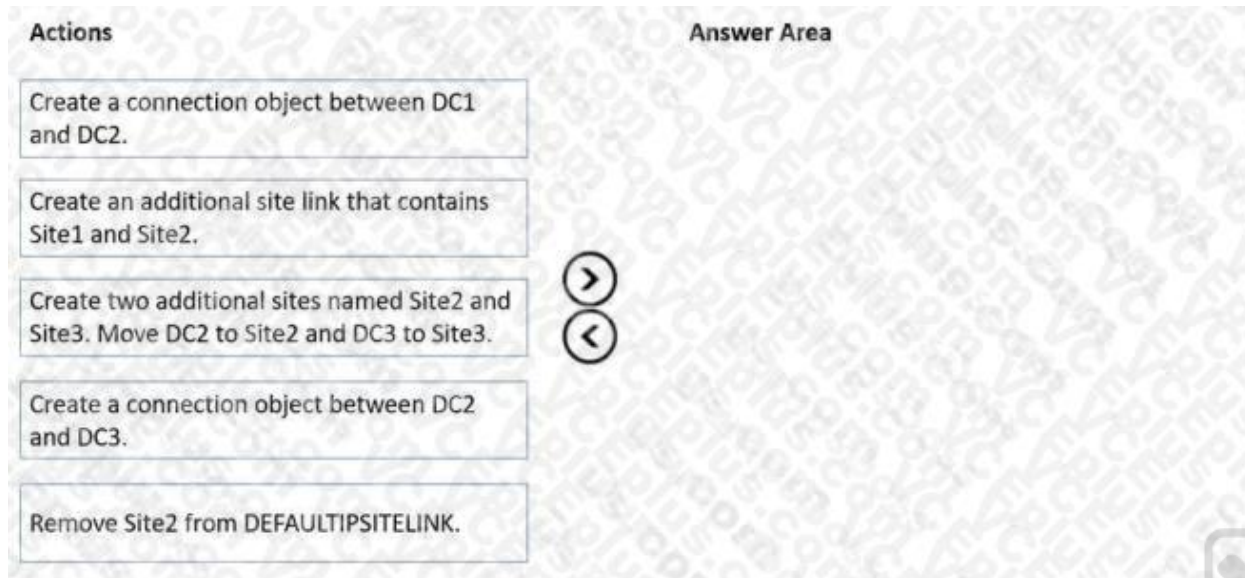
You need to configure replication between DC1, DC2, and DC3 to meet the following requirements:

Each domain controller must reside in its own Active Directory site.

The replication schedule between each site must be controlled independently. Interruptions to replication must be minimized.

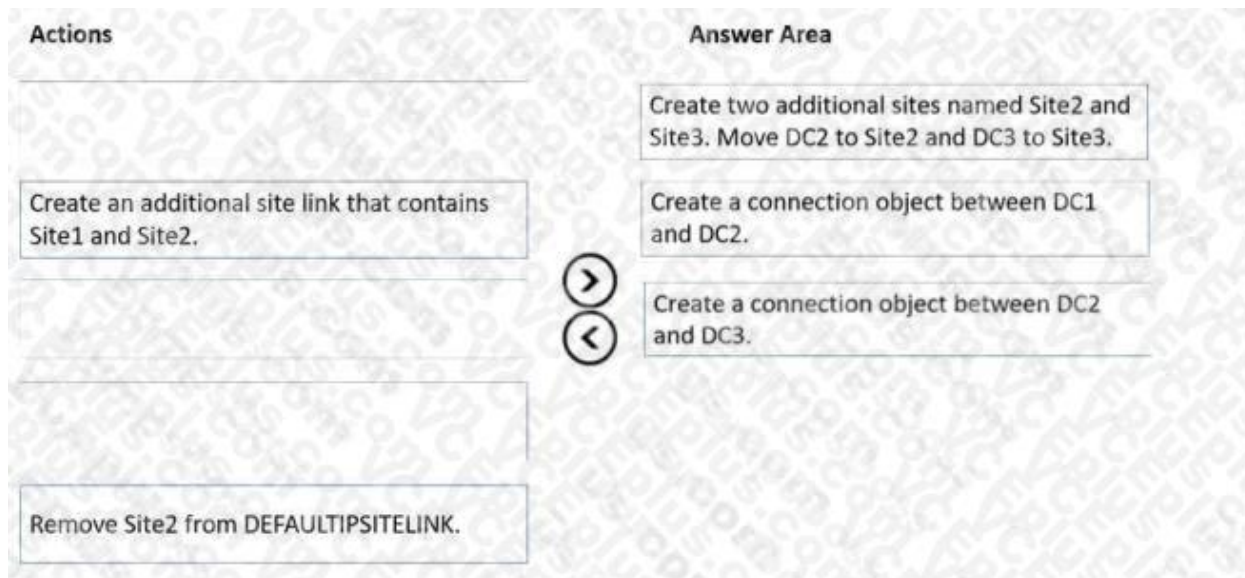
Which three actions should you perform in sequence in the Active Directory Sites and Services console? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:



The screenshot shows the 'Active Directory Sites and Services' console. On the left, under the 'Actions' header, there is a list of five actions: 'Create a connection object between DC1 and DC2.', 'Create an additional site link that contains Site1 and Site2.', 'Create two additional sites named Site2 and Site3. Move DC2 to Site2 and DC3 to Site3.', 'Create a connection object between DC2 and DC3.', and 'Remove Site2 from DEFAULTIPSITELINK.'. On the right, under the 'Answer Area' header, there is a large empty box for placing the selected actions. Between the two panels are two circular arrows, one pointing right and one pointing left, indicating the sequence of actions.

ANSWER:



The screenshot shows the 'Active Directory Sites and Services' console with the 'Answer Area' populated with three actions in the correct sequence. The 'Actions' list on the left remains the same. The 'Answer Area' on the right contains the following actions in order: 'Create two additional sites named Site2 and Site3. Move DC2 to Site2 and DC3 to Site3.', 'Create a connection object between DC1 and DC2.', and 'Create a connection object between DC2 and DC3.'. The circular arrows between the panels indicate the sequence of actions.

Explanation:

QUESTION NO: 18

Your network contains an Active Directory Domain Services (AD DS) forest named contoso.com. The root domain contains the domain controllers shown in the following table.

Name	FSMO role
DC1	Domain naming master
DC2	RID master
DC3	PDC emulator
DC4	Schema master
DC5	Infrastructure master

A failure of which domain controller will prevent you from creating application partitions?

- A. DC1
- B. DC2
- C. DC3
- D. DC4
- E. DC5

ANSWER: A

Explanation:

Reference:

<https://docs.microsoft.com/en-us/troubleshoot/windows-server/identity/fsmo-roles>

QUESTION NO: 19

HOTSPOT

You need to meet the technical requirements for Server4.

Which cmdlets should you run on Server1 and Server4? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



**Answer Area**

Server1:

Enable-PSRemoting
Enable-ServerManagerStandardUserRemoting
Set-Item
Start-Service

Server4:

Enable-PSRemoting
Enable-ServerManagerStandardUserRemoting
Set-Item
Start-Service

ANSWER:

**Answer Area**

Server1:

Enable-PSRemoting
Enable-ServerManagerStandardUserRemoting
Set-Item
Start-Service

Server4:

Enable-PSRemoting
Enable-ServerManagerStandardUserRemoting
Set-Item
Start-Service

QUESTION NO: 20

HOTSPOT

You have 10 on-premises servers that run Windows Server.

You plan to use Azure Network Adapter to connect the servers to the resources in Azure.

Which prerequisites do you require on-premises and in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

To configure the on-premises servers, use:

Azure CLI
Routing and Remote Access
Server Manager
Windows Admin Center

To connect the Azure resources and Azure Network Server Manager Adapter, use:

Azure Bastion
Azure Firewall
An Azure virtual network gateway
A private endpoint
A public Azure Load Balancer

ANSWER:

**Answer Area**

To configure the on-premises servers, use:

Azure CLI
Routing and Remote Access
Server Manager
Windows Admin Center

To connect the Azure resources and Azure Network Server Manager Adapter, use:

Azure Bastion
Azure Firewall
An Azure virtual network gateway
A private endpoint
A public Azure Load Balancer

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/manage/windows-admin-center/azure/use-azure-networkadapter>

QUESTION NO: 21

DRAG DROP

You have a server named Server1 that has Windows Admin Center installed. The certificate used by Windows Admin Center was obtained from a certification authority (CA).

The certificate expires.

You need to replace the certificate.

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
Copy the certificate thumbprint.	
From Internet Information Services (IIS) Manager, bind a certificate.	
Rerun <b>Windows Admin Center Setup</b> and select <b>Change</b> .	
Rerun <b>Windows Admin Center Setup</b> and select <b>Repair</b> .	
Rerun <b>Windows Admin Center Setup</b> and select <b>Remove</b> .	

ANSWER:

Actions	Answer Area
	From Internet Information Services (IIS) Manager, bind a certificate.
	Copy the certificate thumbprint.
	Rerun <b>Windows Admin Center Setup</b> and select <b>Change</b> .
Rerun <b>Windows Admin Center Setup</b> and select <b>Repair</b> .	
Rerun <b>Windows Admin Center Setup</b> and select <b>Remove</b> .	

Explanation:

Reference: <https://www.starwindsoftware.com/blog/change-the-windows-admin-center-certificate>

QUESTION NO: 22

HOTSPOT

You have an on-premises server named Server1 that runs Windows Server and has internet connectivity.



You have an Azure subscription.

You need to monitor Server1 by using Azure Monitor.

Which resources should you create in the subscription, and what should you install on Server1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

In the subscription, create:

<input type="checkbox"/>
<input type="checkbox"/> An Azure Files storage account
<input type="checkbox"/> A Log Analytics workspace
<input type="checkbox"/> An Azure SQL database and a data collection rule
<input type="checkbox"/> An Azure Blob Storage account and a data collection rule

On Server1, install:

<input type="checkbox"/>
<input type="checkbox"/> The Azure Monitor agent
<input type="checkbox"/> The Analytics gateway
<input type="checkbox"/> The Device Health Attestation server role

ANSWER:

**Answer Area**

In the subscription, create:

<input type="checkbox"/>
<input type="checkbox"/> An Azure Files storage account
<input checked="" type="checkbox"/> A Log Analytics workspace
<input type="checkbox"/> An Azure SQL database and a data collection rule
<input type="checkbox"/> An Azure Blob Storage account and a data collection rule

On Server1, install:

<input type="checkbox"/>
<input type="checkbox"/> The Azure Monitor agent
<input checked="" type="checkbox"/> The Analytics gateway
<input type="checkbox"/> The Device Health Attestation server role

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/azure-monitor/agents/gateway> <https://docs.microsoft.com/en-us/windowsserver/manage/windows-admin-center/azure/azure-monitor>

QUESTION NO: 23

You have an on premises Active Directory Domain Services (AD DS) domain that syncs with an Azure Active Directory (Azure AD) tenant. The domain contains two servers named Server1 and Server2.

A user named Admin1 is a member of the local Administrators group on Server1 and Server2.

You plan to manage Server1 and Server2 by using Azure Arc. Azure Arc objects will be added to a resource group named RG1.

You need to ensure that Admin1 can configure Server1 and Server2 to be managed by using Azure Arc.

What should you do first?

- A. From the Azure portal, generate a new onboarding script.
- B. Assign Admin1 the Azure Connected Machine Onboarding role for RG1.
- C. Hybrid Azure AD join Server1 and Server2.
- D. Create an Azure cloud-only account for Admin1.

ANSWER: B

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/azure-arc/servers/onboard-service-principal>

QUESTION NO: 24

HOTSPOT

Your network contains two Active Directory Domain Services (AD DS) forests named contoso.com and fabrikam.com. A twoway forest trust exists between the forests. Each forest contains a single domain.

The domains contain the servers shown in the following table.

Name	Domain	Description
Server1	contoso.com	Hosts a Windows Admin Center gateway
Server2	fabrikam.com	Hosts resources that will be managed remotely by using Windows Admin Center on Server1

You need to configure resource based constrained delegation so that the users in contoso.com can use Windows Admin Center on Server1 to connect to Server2.

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



**Answer Area**

Set-ADComputer -Identity

(Get-ADComputer server1.contoso.com )
(Get-ADComputer server2.fabrikam.com)
(Get-ADGroup 'Contoso\Domain Users')
(Get-ADGroup 'Fabrikam\Domain Users')

-PrincipalsAllowedToDelegateToAccount

(Get-ADComputer server1.contoso.com )
(Get-ADComputer server2.fabrikam.com )
(Get ADGroup 'Contoso\Domain Users')
(Get-ADGroup 'Fabrikam\Domain Users')

ANSWER:

**Answer Area**

Set-ADComputer -Identity

(Get-ADComputer server1.contoso.com )
(Get-ADComputer server2.fabrikam.com)
(Get-ADGroup 'Contoso\Domain Users')
(Get-ADGroup 'Fabrikam\Domain Users')

-PrincipalsAllowedToDelegateToAccount

(Get-ADComputer server1.contoso.com )
(Get-ADComputer server2.fabrikam.com )
(Get ADGroup 'Contoso\Domain Users')
(Get-ADGroup 'Fabrikam\Domain Users')

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/security/kerberos/kerberos-constrained-delegation-overview>

<https://docs.microsoft.com/en-us/powershell/module/activedirectory/set-adcomputer?view=windowsserver2022-ps>

QUESTION NO: 25

HOTSPOT

You have a server named Server1 that runs Windows Server and has the Hyper-V server role installed.

You need to limit which Hyper-V module cmdlets helpdesk users can use when administering Server1 remotely.

You configure Just Enough Administration (JEA) and successfully build the role capabilities and session configuration files.

How should you complete the PowerShell command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

	-Path .\HyperVJeaConfig
Enter-PSSession	
New-PSSessionConfigurationFile	
Register-PSSessionConfiguration	

	-Name 'HyperVJeaHelpDesk' -Force
.ps1	
.psm1	
.psrc	
.pssc	

ANSWER:

**Answer Area**

	-Path .\HyperVJeaConfig
Enter-PSSession	
New-PSSessionConfigurationFile	
Register-PSSessionConfiguration	

	-Name 'HyperVJeaHelpDesk' -Force
.ps1	
.psm1	
.psrc	
.pssc	

Explanation:

Reference: <https://docs.microsoft.com/en-us/powershell/scripting/learn/remoting/jea/sessionconfigurations?view=powershell-7.2> <https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.core/newpssessionconfigurationfile?view=powershell-7.2>

QUESTION NO: 26

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

You have an Azure subscription that has Microsoft Defender for Cloud enabled.

You need to ensure that you can use the Azure Policy guest configuration feature to manage VM1.

What should you do?

- A. Add the PowerShell Desired State Configuration (DSC) extension to VM1.
- B. Configure VM1 to use a user-assigned managed identity.
- C. Configure VM1 to use a system-assigned managed identity.
- D. Add the Custom Script Extension to VM1.

ANSWER: C

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/extensions/guest-configuration>

QUESTION NO: 27

You need to meet the technical requirements for VM2.

What should you do?

- A. Implement shielded virtual machines.
- B. Enable the Guest services integration service.
- C. Implement Credential Guard.
- D. Enable enhanced session mode.

ANSWER: D

QUESTION NO: 28

You have a server named Host1 that has the Hyper-V server role installed. Host1 hosts a virtual machine named VM1.

You have a management server named Server1 that runs Windows Server. You remotely manage Host1 from Server1 by using Hyper-V Manager.

You need to ensure that you can access a USB hard drive connected to Server1 when you connect to VM1 by using Virtual Machine Connection.

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

NOTE: Each correct selection is worth one point.

- A. From the Hyper-V Settings of Host1, select Allow enhanced session mode.
- B. From Virtual Machine Connection, select Show Options, and then select the USB hard drive.
- C. From Virtual Machine Connection, switch to a basic session.
- D. From Disk Management on Host1, select Rescan Disks.
- E. From Disk Management on Host1, attach a virtual hard disk.

ANSWER: A B



Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/learn-more/use-local-resources-on-hyperv-virtual-machine-with-vmconnect>

QUESTION NO: 29

You have a Windows Server container host named Server1 and a container image named image1.

You need to start a container from image1. The solution must run the container on a Hyper-V virtual machine.

Which parameter should you specify when you run the docker run command?

- A. --expose
- B. --privileged
- C. --runtime
- D. --isolation
- E. --entrypoint

ANSWER: E

Explanation:

Reference: <https://docs.docker.com/language/nodejs/run-containers/>

QUESTION NO: 30

You plan to deploy a containerized application that requires .NET Core.

You need to create a container image for the application. The image must be as small as possible.

Which base image should you use?

- A. Windows Server
- B. Nano Server
- C. Windows
- D. Server Core

ANSWER: B

Explanation:

Reference: <https://techcommunity.microsoft.com/t5/containers/nano-server-x-server-core-x-server-which-base-image-is-the-right/ba-p/2835785>

QUESTION NO: 31

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

You perform the following actions on VM1:

Create a folder named Folder1 on volume C.

Create a folder named Folder2 on volume D.

Add a new data disk to VM1 and create a new volume that is assigned drive letter



E. Install an app named App1 on volume E.

You plan to resize VM1.

Which objects will present after you resize VM1?

- A. Folder1, volume E, and App1 only
- B. Folder1 only
- C. Folder1 and Folder2 only
- D. Folder1, Folder2, App1, and volume E
- E. Install an app named App1 on volume E.

You plan to resize VM1.

Which objects will present after you resize VM1?

ANSWER: D

QUESTION NO: 32

You have an Azure virtual machine named VM1 that runs Windows Server and has the following configurations:

Size: D2s\_v4

Operating system disk: 127-GiB standard SSD

Data disk 128-GiB standard SSD

Virtual machine generation: Gen 2

You plan to perform the following changes to VM1:

Change the virtual machine size to D4s\_v4.

Detach the data disk.

Add a new standard SSD.

Which changes require downtime for VM1?

- A. Detaching the data disk only and adding a new standard SSD.
- B. Detaching the data disk only.
- C. Changing the virtual machine size only.
- D. Adding a new standard SSD only.

ANSWER: A

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/convert-disk-storage>

QUESTION NO: 33

HOTSPOT





You have a Windows Server container host named Server1 that has a single disk.

On Server1, you plan to start the containers shown in the following table.

Name	Description
Container1	Container1 is a Windows container that contains a web app in development. The container must <b>NOT</b> share a kernel with other containers.
Container2	Container2 is a Linux container that runs a web app. The container requires two static IP addresses.
Container3	Container3 is a Windows container that runs a database. The container requires a static IP address.

Which isolation mode can you use for each container? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

Container1:

Hyper-V isolation only
Process isolation only
Hyper-V isolation or process isolation

Container2:

Hyper-V isolation only
Process isolation only
Hyper-V isolation or process isolation

Container3:

Hyper-V isolation only
Process isolation only
Hyper-V isolation or process isolation

ANSWER:

### Answer Area

Container1:

Hyper-V isolation only
Process isolation only
Hyper-V isolation or process isolation

Container2:

Hyper-V isolation only
Process isolation only
Hyper-V isolation or process isolation

Container3:

Hyper-V isolation only
Process isolation only
Hyper-V isolation or process isolation

Explanation:

Reference: <https://docs.microsoft.com/en-us/virtualization/windowscontainers/manage-containers/hyperv-container>

QUESTION NO: 34

DRAG DROP

You have a server named Server1 that runs Windows Server and has the Hyper V server role installed. Server1 hosts a virtual machine named VM1.

Server1 has an NVMe storage device. The device is currently assigned to VM1 by using Discrete Device Assignment.

You need to make the device available to Server1.

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
From Server1, stop VM1.	
From Server1, run the Remove-VMAssignableDevice cmdlet.	
From Server1, run the Mount-VMHostAssignableDevice cmdlet.	
From Server1, enable the device by using Device Manager.	
From VM1, disable the device by using Device Manager.	

ANSWER:

Actions	Answer Area
	From Server1, stop VM1.
	From Server1, run the Remove-VMAssignableDevice cmdlet.
	From Server1, run the Mount-VMHostAssignableDevice cmdlet.
	From Server1, enable the device by using Device Manager.
From VM1, disable the device by using Device Manager.	

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/deploy/deploying-storage-devices-usingdda>

QUESTION NO: 35

You have a server named Server1 that hosts Windows containers.

You plan to deploy an application that will have multiple containers. Each container will be on the same subnet. Each container requires a separate MAC address and IP address. Each container must be able to communicate by using its IP address.

You need to create a Docker network that supports the deployment of the application.

Which type of network should you create?

- A. NAT
- B. transparent
- C. I2bridge
- D. I2tunnel

ANSWER: C

Explanation:

Reference:

<https://docs.microsoft.com/en-us/virtualization/windowscontainers/container-networking/network-drivers-topologies>

QUESTION NO: 36

HOTSPOT

Your network contains two VLANs for client computers and one VLAN for a datacenter. Each VLAN is assigned an IPv4 subnet. Currently, all the client computers use static IP addresses.

You plan to deploy a DHCP server to the VLAN in the datacenter.

You need to use the DHCP server to provide IP configurations to all the client computers.

What is the minimum number of scopes and DHCP relays you should create? To answer, select the appropriate option the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

DHCP scopes:

1
2
3
4

DHCP relays:

1
2
3
4

ANSWER:



**Answer Area**

DHCP scopes:

1
2
3
4

DHCP relays:

1
2
3
4

Explanation:

Reference: <https://sites.google.com/site/chaseerry/cisco-routing/dhcp-relay-agent---one-dhcp-server-for-many-vlans>

QUESTION NO: 37

You have a server that runs Windows Server and has the DHCP Server role installed. The server has a scope named Scope1 that has the following configurations:

Address range: 192.168.0.2 to 192. 168.1.254

Mask: 255.255.254.0

Router: 192.168.0.1

Lease duration: 3 days

DNS server: 172.16.0.254

You have 50 Microsoft Teams Phone devices from the same vendor. All the devices have MAC addresses within the same range.

You need to ensure that all the Teams Phone devices that receive a lease from Scope1 have IP addresses in the range of 192.168.1.100 to 192.168.1.200. The solution must NOT affect other DHCP clients that receive IP configurations from Scope1.

What should you create?

- A. a scope
- B. a filter
- C. scope options
- D. a policy

ANSWER: C

QUESTION NO: 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 are planning the deployment of DNS to a new network.

You have three internal DNS servers as shown in the following table.

Name	Location	IP address	Local DNS zone
Server1	Montreal	10.0.1.10	contoso.local
Server2	Toronto	10.0.2.10	east.contoso.local
Server3	Seattle	10.0.3.10	west.contoso.local

The contoso.local zone contains zone delegations for east.contoso.local and west.contoso.local. All the DNS servers use root hints.

You need to ensure that all the DNS servers can resolve the names of all the internal namespaces and internet hosts.

Solution: You configure Server2 and Server3 to forward DNS requests to 10.0.1.10.

Does this meet the goal?

- A. Yes
- B. No

ANSWER: B

QUESTION NO: 39

You have an on-premises network that is connected to an Azure virtual network by using a Site-to-Site VPN. Each network contains a subnet that has the same IP address space. The on-premises subnet contains a virtual machine.

You plan to migrate the virtual machine to the Azure subnet.

You need to migrate the on premises virtual machine to Azure without modifying the IP address. The solution must minim administrative effort.

What should you implement before you perform the migration?

- A. Azure Extended Network
- B. Azure Virtual Network NAT
- C. Azure Application Gateway
- D. Azure virtual network peering

ANSWER: A

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/manage/windows-admin-center/azure/azure-extended-network>

QUESTION NO: 40

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.

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Server2	Toronto	10.0.2.10	east.contoso.local
Server3	Seattle	10.0.3.10	west.contoso.local

The contoso.local zone contains zone delegations for east.conloso.local and west.contoso.local. All the DNS servers use root hints.

You need to ensure that all the DNS servers can resolve the names of all the internal namespaces and internet hosts.

Solution: On Server2 and Server3, you configure a conditional forwarder for contoso.local.

Does this meet the goal?

A. Yes

B. No

ANSWER: B

QUESTION NO: 41

You have servers that have the DNS Server role installed. The servers are configured as shown in the following table.

Name	Office	Local DNS zone	IP address
Server1	Paris	contoso.com	10.1.1.1
Server2	New York	None	10.2.2.2

All the client computers in the New York office use Server2 as the DNS server.

You need to configure name resolution in the New York office to meet the following requirements:

Ensure that the client computers in New York can resolve names from contoso.com.

Ensure that Server2 forwards all DNS queries for internet hosts to 131. 107.100.200.

The solution must NOT require modifications to Server1.

Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. a forwarder

B. a conditional forwarder

C. a delegation

D. a secondary zone

E. a reverse lookup zone

ANSWER: A E

QUESTION NO: 42

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

You need to configure the management of VM1 to meet the following requirements:

Require administrators to request access to VM1 before establishing a Remote Desktop connection.

Limit access to VM1 from specific source IP addresses. Limit access to VM1 to a specific management port.

What should you configure?

- A. a network security group (NSG)
- B. Azure Active Directory (Azure AD) Privileged Identity Management (PIM)
- C. Microsoft Defender for Cloud
- D. Azure Front Door

ANSWER: C

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/defender-for-cloud/just-in-time-access-usage?tabs=jit-config-asc%2Cjitrequest-asc>

QUESTION NO: 43

Your network contains an Active Directory Domain Services (AD DS) domain named contoso.com. The domain contains a DNS server named Server1. Server1 hosts a DNS zone named fabrikam.com that was signed by DNSSEC.

You need to ensure that all the member servers in the domain perform DNSSEC validation for the fabrikam.com namespace.

What should you do?

- A. On Server1, run the Add-DnsServerTrustAnchor cmdlet.
- B. On each member server, run the Add-DnsServerTrustAnchor cmdlet.
- C. From a Group Policy Object (GPO), add a rule to the Name Resolution Policy Table (NRPT).
- D. From a Group Policy Object (GPO), modify the Network List Manager policies.

ANSWER: C

QUESTION NO: 44

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 are planning the deployment of DNS to a new network.

You have three internal DNS servers as shown in the following table.



Name	Location	IP address	Local DNS zone
Server1	Montreal	10.0.1.10	contoso.local
Server2	Toronto	10.0.2.10	east.contoso.local
Server3	Seattle	10.0.3.10	west.contoso.local

The contoso.local zone contains zone delegations for east.contoso.local and west.contoso.local. All the DNS servers use root hints.

You need to ensure that all the DNS servers can resolve the names of all the internal namespaces and internet hosts.

Solution: On Server2, you create a conditional forwarder for contoso.local and west.contoso.local. On Server3, you create a conditional forwarder for contoso.local and east.contoso.local.

Does this meet the goal?

A. Yes

B. No

ANSWER: A

QUESTION NO: 45

You need to meet the technical requirements for VM3.

On which volumes can you enable Data Deduplication?

A. C and D only

B. D only

C. C, D, E, and F

D. D and E only

E. D, E, and F only

ANSWER: B

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/storage/data-deduplication/understand>

QUESTION NO: 46

HOTSPOT

You have on-premises file servers that run Windows Server as shown in the following table.

Name	Relevant folder
Server1	D:\Folder1, E:\Folder2
Server2	D:\Data

You have the Azure file shares shown in the following table.

Name	Location
share1	East US
share2	East US

You add a Storage Sync Service named Sync1 and an Azure File Sync sync group named Group1. Group1 uses share1 as a cloud endpoint.

You register Server1 and Server2 with Sync1. You add D:\Folder1 from Server1 as a server endpoint in Group1.

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
You can add share2 as a cloud endpoint in Group1.	<input type="radio"/>	<input type="radio"/>
You can add E:\Folder2 from Server1 as a server endpoint in Group1.	<input type="radio"/>	<input type="radio"/>
You can add D:\Data from Server2 as a server endpoint in Group1.	<input type="radio"/>	<input type="radio"/>

ANSWER:

Answer Area		
Statements	Yes	No
You can add share2 as a cloud endpoint in Group1.	<input checked="" type="radio"/>	<input type="radio"/>
You can add E:\Folder2 from Server1 as a server endpoint in Group1.	<input checked="" type="radio"/>	<input type="radio"/>
You can add D:\Data from Server2 as a server endpoint in Group1.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-planning>

QUESTION NO: 47

HOTSPOT

You need to sync files from an on premises server named Server1 to Azure by using Azure File Sync.

You have a cloud tiering policy that is configured for 30 percent free space and 70 days.

Volume E on Server1 is 500 GB.

A year ago, you configured E:\Data on Server1 to sync by using Azure File Sync. The files that are visible in E:\Data are shown in the following table.

Name	Size	Last accessed
File1	200 GB	2 days ago
File2	100 GB	10 days ago
File3	200 GB	60 days ago
File4	50 GB	100 days ago

Volume E does NOT contain any other files.

Where are File1 and File3 located? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



**Answer Area**

**File1:**

Server1 only
The Azure file share only
Server1 and the Azure file share

**File3:**

Server1 only
The Azure file share only
Server1 and the Azure file share

ANSWER:

### Answer Area

File1:

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

File3:

<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/manage/windows-admin-center/azure/azure-file-sync>

<https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-cloud-tiering-overview>

QUESTION NO: 48

HOTSPOT

You have on-premises servers that run Windows Server as shown in the following table.

Name	Local content
Server1	D:\Folder1\File1.docx
Server2	D:\Data1\File3.docx

You have an Azure file share named share1 that stores two files named File2.docx and File3.docx.

You create an Azure File Sync sync group that includes the following endpoints: share D:\Folder1 on Server1 D:\Data1 on Server2 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
You can create a file named File2.docx in D:\Folder1 on Server1.	<input type="radio"/>	<input type="radio"/>
You can create a file named File1.docx in D:\Data1 on Server2.	<input type="radio"/>	<input type="radio"/>
File3.docx will sync to Server1.	<input type="radio"/>	<input type="radio"/>

ANSWER:

**Answer Area**

Statements	Yes	No
You can create a file named File2.docx in D:\Folder1 on Server1.	<input checked="" type="radio"/>	<input type="radio"/>
You can create a file named File1.docx in D:\Data1 on Server2.	<input checked="" type="radio"/>	<input type="radio"/>
File3.docx will sync to Server1.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-introduction>

QUESTION NO: 49

HOTSPOT

You have a file server named Server1 that runs Windows Server and contains the volumes shown in the following table.

Name	File system
C	NTFS
D	NTFS
E	REFS

On which volumes can you use BitLocker Drive Encryption (BitLocker) and disk quotas? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

BitLocker:

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Disk quotas:

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

ANSWER:

## Answer Area

BitLocker:

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

Disk quotas:

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

Explanation:

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

QUESTION NO: 50

You have a server that runs Windows Server and contains a shared folder named UserData.

You need to limit the amount of storage space that each user can consume in UserData.

What should you use?

- A. Storage Spaces
- B. Work Folders
- C. Distributed File System (DFS) Namespaces
- D. File Server Resource Manager (FSRM)

ANSWER: D

Explanation:

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

QUESTION NO: 51

Your network contains an Active Directory Domain Services (AD DS) domain named contoso.com. The domain contains two servers named Server1 and Server2.

Server1 contains a disk named Disk2. Disk2 contains a folder named UserData. UserData is shared to the Domain Users group. Disk2 is configured for deduplication. Server1 is protected by using Azure Backup.

Server1 fails.

You connect Disk2 to Server2.

You need to ensure that you can access all the files on Disk2 as quickly as possible.

What should you do?

- A. Create a storage pool.
- B. Restore files from Azure Backup.
- C. Install the File Server Resource Manager server role.
- D. Install the Data Deduplication server role.

ANSWER: D

Explanation:

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

QUESTION NO: 52

You have five file servers that run Windows Server.

You need to block users from uploading video files that have the .mov extension to shared folders on the file servers. All other types of files must be allowed. The solution must minimize administrative effort.

What should you create?

- A. a Dynamic Access Control central access policy
- B. a data loss prevention (DLP) policy
- C. a Dynamic Access Control central access rule
- D. a file screen

ANSWER: D

Explanation:

Reference: <https://docs.microsoft.com/en-us/windows-server/storage/fsrm/file-screening-management>

QUESTION NO: 53

HOTSPOT

Your network contains an Active Directory Domain Services (AD DS) domain named adatum.com. The domain contains a file server named Server1 and three users named User1, User2, and User3.

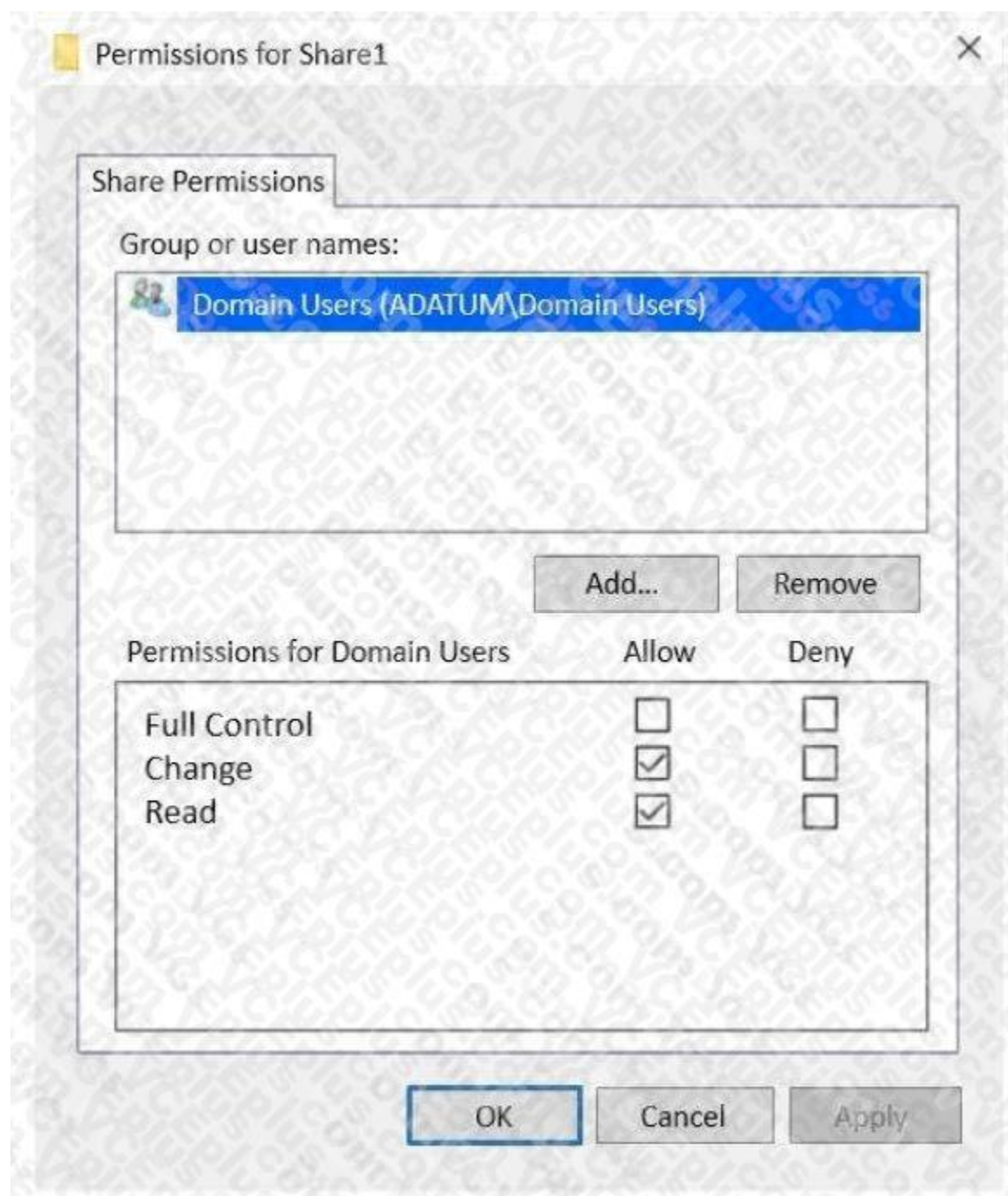
Server1 contains a shared folder named Share1 that has the following configurations:



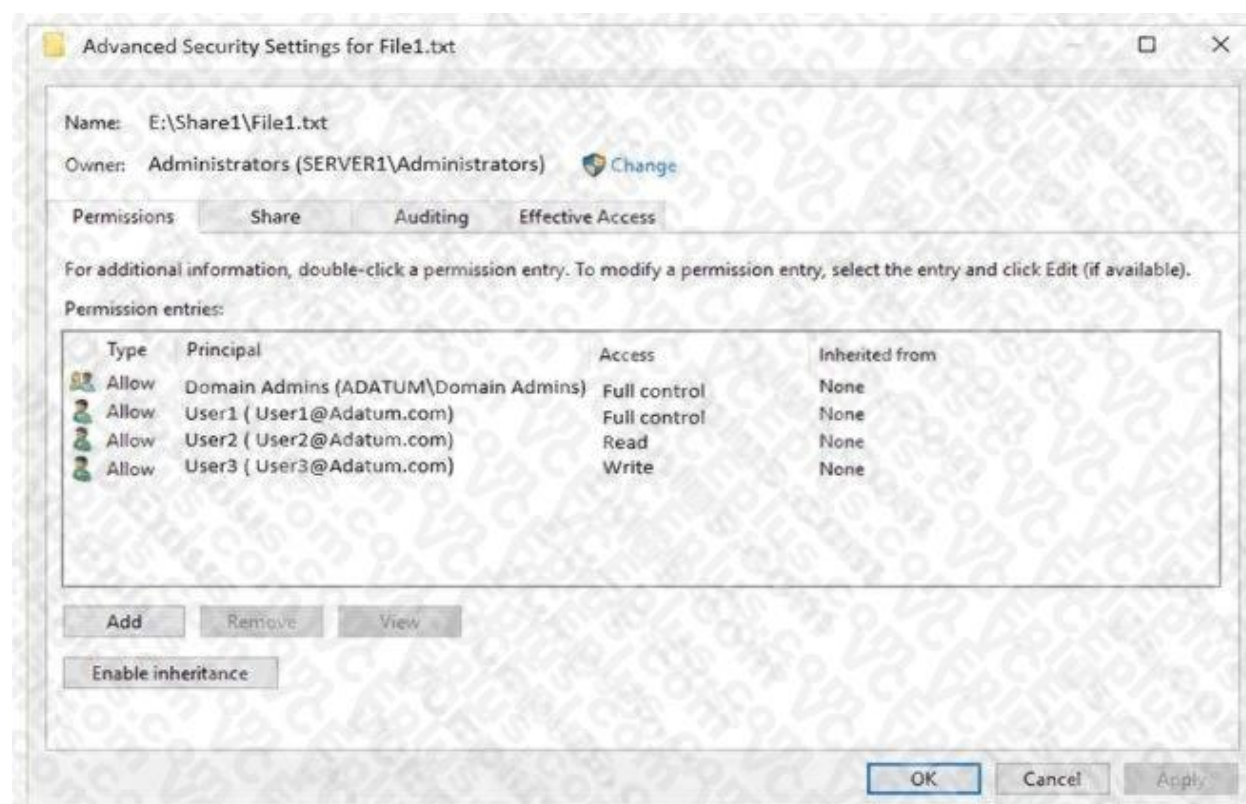


```
ShareState      : Online
AvailabilityType : NonClustered
FolderEnumerationMode : AccessBased
CachingMode     : Manual
LeasingMode     : Full
SmbInstance     : Default
CompressData    : False
ContinuouslyAvailable : False
EncryptData     : False
Name            : Share1
Path            : E:\Share1
ShadowCopy      : False
```

The share permissions for Share1 are configured as shown in the Share Permissions exhibit.



Share1 contains a file named File1.bxt. The advanced security settings for File1.txt are configured as shown in the File Permissions exhibit.



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
When User1 connects to \\Server1.adatum.com\Share1\, the user can take ownership of File1.txt.	<input type="radio"/> <input type="radio"/>
When User2 connects to \\Server1.adatum.com\Share1\, File1.txt is visible.	<input type="radio"/> <input type="radio"/>
When User3 connects to \\Server1.adatum.com\Share1\, File1.txt is visible.	<input type="radio"/> <input type="radio"/>

ANSWER:

Answer Area		
Statements	Yes	No
When User1 connects to \\Server1.adatum.com\Share1, the user can take ownership of File1.txt.	<input checked="" type="radio"/>	<input type="radio"/>
When User2 connects to \\Server1.adatum.com\Share1, File1.txt is visible.	<input checked="" type="radio"/>	<input type="radio"/>
When User3 connects to \\Server1.adatum.com\Share1, File1.txt is visible.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

QUESTION NO: 54

DRAG DROP

You have a server named Server1.

You plan to use Storage Spaces to expand the storage available to Server1. You attach eight physical disks to Server1. Four disks are HDDs and four are SSDs.

You need to create a volume on Server1 that will use the storage on all the new disks. The solution must provide the fastest read performance for frequently used files.

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 virtual disk.	
Convert each new disk into a dynamic disk.	
Create a storage pool.	<input checked="" type="radio"/>
Create a spanned volume.	<input checked="" type="radio"/>
Convert each new disk into a GPT disk.	
Create a simple volume	

ANSWER:



Actions	Answer Area
	Create a storage pool.
Convert each new disk into a dynamic disk.	Create a virtual disk.
	➤ Create a simple volume
Create a spanned volume.	⬅
Convert each new disk into a GPT disk.	

Explanation:

Reference: <https://redmondmag.com/articles/2018/07/31/storage-spaces-windows-server-2016-1.aspx>

<https://redmondmag.com/articles/2018/08/02/storage-spaces-windows-server-2016-2.aspx>