



## Administering Windows Server Hybrid Core Infrastructure



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# **Microsoft**

## **Exam AZ-800**

### **Administering Windows Server Hybrid Core Infrastructure**

**Version: 9.0**

**[ Total Questions: 129 ]**

**Topic break down**

Topic	No. of Questions
Topic 1: Contoso Ltd	10
Topic 2: Fabrikam inc.	10
Topic 3: Misc Questions	109

**Topic 1, Contoso Ltd**

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**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

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 removing.
- 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 : 1 HOTSPOT - (Topic 1)

Which groups can you add to Group3 and Groups? To answer, select the appropriate options in the answer area. NOTE Each correct selection is worth one point.

Answer Area

Group3:

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

Group5:

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

Answer Area

Group3: Group1 and Group2 only

Group5: Group6 only

Explanation:

### Question No : 2 HOTSPOT - (Topic 1)

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.



Server1:

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

Server4:

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

**Answer:**

Server1:

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

Server4:

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

**Explanation:**

Server1:

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

Server4:

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

Graphical user

interface, text, application, email

Description automatically generated

### Question No : 3 HOTSPOT - (Topic 1)

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Admin1 must use a password that has at least 14 characters.	<input type="radio"/>	<input type="radio"/>
User1 must use a password that has at least 10 characters.	<input type="radio"/>	<input type="radio"/>
If Admin1 creates a new local user on Server1, the password for the new user must be at least eight characters.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Admin1 must use a password that has at least 14 characters.	<input type="radio"/>	<input checked="" type="radio"/>
User1 must use a password that has at least 10 characters.	<input checked="" type="radio"/>	<input type="radio"/>
If Admin1 creates a new local user on Server1, the password for the new user must be at least eight characters.	<input type="radio"/>	<input checked="" type="radio"/>



Answer Area

Statements

Admin1 must use a password that has at least 14 characters.

Yes

☐

No

☒

User1 must use a password that has at least 10 characters.

☒
☐

If Admin1 creates a new local user on Server1, the password for the new user must be at least eight characters.

☐
☒

**Explanation:**

**Question No : 4 - (Topic 1)**

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**

Reference:

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

**Question No : 5 HOTSPOT - (Topic 1)**

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.

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:

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

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:**

Table

Description automatically generated

**Question No : 6 - (Topic 1)**

You need to meet the technical requirements for the site links. Which users can perform the required tasks?

- A. Admin1 only
- B. Admin1 and Admin3 only
- C. Admin1 and Admin2 only
- D. Admin3 only
- E. Admin1, Adrrun2. and Admin3

**Answer: C****Explanation:**

Membership in the Enterprise Admins group or the Domain Admins group in the forest root domain is required.

**Question No : 7 HOTSPOT - (Topic 1)**

You need to meet the technical requirements for VM1.

Which cmdlet should you run first? To answer, select the appropriate options in the answer

area.

NOTE: Each correct selection is worth one point.

Answer Area

VM1	\$true
Set-VM	-NewVMName
Set-VM BIOS	-GuestControlledCacheTypes
Set-VMHost	-EnableHostResourceProtection
Set-VMFirmware	-ExposeVirtualizationExtensions
Set-VMProcessor	

**Answer:**

Answer Area

VM1	\$true
Set-VM	-NewVMName
Set-VM BIOS	-GuestControlledCacheTypes
Set-VMHost	-EnableHostResourceProtection
Set-VMFirmware	-ExposeVirtualizationExtensions
Set-VMProcessor	

VM1	\$true
Set-VM	-NewVMName
Set-VM BIOS	-GuestControlledCacheTypes
Set-VMHost	-EnableHostResourceProtection
Set-VMFirmware	-ExposeVirtualizationExtensions
Set-VMProcessor	

**Explanation:**

Graphical user interface, text, application

Description automatically generated

### Question No : 8 - (Topic 1)

You need to meet the technical requirements for Server1. Which users can currently perform the required tasks?

- A. Admin1 only
- B. Admin3 only
- C. Admin1 and Admin3 only
- D. Admin1 Admin2. and Admm3

**Answer: C**

**Question No : 9 - (Topic 1)**

You need to meet the technical requirements for VM3

On which volumes can you enable Data Deduplication?

- A. D and E only
- B. C, D, E, and F
- C. D only
- D. C and D only
- E. D, E, and F only

**Answer: A**

Reference:

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

**Question No : 10 - (Topic 1)**

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: B**

**Topic 2, Fabrikam inc.**

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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.

### 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	None	New York
VM2	None	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.

### Group Policy Object (GPOs)



The cwp.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 Azure Virtual Desktop session hosts

**Requirements:**

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 newyorkfiles, 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 AD joined.
- 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 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, fabrikam or fsbr! |.
- 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 : 11 DRAG DROP - (Topic 2)**

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.

**Answer:**

**Explanation:**

Graphical user interface

Description automatically generated with medium confidence

**Question No : 12 - (Topic 2)**

You need to configure the Group Policy settings to ensure that the Azure Virtual Desktop session hosts meet the security requirements. What should you configure?

- A. security filtering for the link of GP04
- B. security filtering for the link of GPO1
- C. loopback processing in GPO4
- D. the Enforced property for the link of GP01
- E. loopback processing in GPO1
- F. the Enforced property for the link of GP04

**Answer: C**

**Question No : 13 - (Topic 2)**

You need to configure remote administration to meet the security requirements. What should you use?

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

**Answer: A**

Reference:

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

**Question No : 14 - (Topic 2)**

You need to implement a name resolution solution 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. Create an Azure private DNS zone named corp.fabhkam.com.
- B. Create a virtual network link in the coip.fabnkam.c om Azure private DNS zone.
- C. Create an Azure DNS zone named corp.fabrikam.com.
- D. Configure the DNS Servers settings for Vnet1.
- E. Enable autoregistration in the corp.fabnkam.com Azure private DNS zone.
- F. On DC3, install the DNS Server role.
- G. Configure a conditional forwarder on DC3.

**Answer: D,F**

**Explanation:**

Virtual machines in an Azure virtual network receive their DNS configuration from the DNS settings configured on the virtual network. You need to configure the Azure virtual network to use DC3 as the DNS server. Then all virtual machines in the virtual network will use DC3 and their DNS server.

**Question No : 15 - (Topic 2)**

You are planning the implementation Azure Arc to support the planned changes. You need to configure the environment to support configuration management policies. What should you do?

- A. Hybrid Azure AD join all the servers.
- B. Create a hybrid runbook worker in Azure Automation.
- C. Deploy the Azure Connected Machine agent to all the servers.
- D. Deploy the Azure Monitor agent to all the servers.

**Answer: C**

Reference:

<https://docs.microsoft.com/en-us/azure/azure-arc/servers/plan-at-scale-deployment>

**Question No : 16 - (Topic 2)**

What should you implement for the deployment of DC3?

- A. Azure Active Directory Domain Services (Azure AD DS)
- B. Azure AD Application Proxy
- C. an Azure virtual machine
- D. an Azure AD administrative unit

**Answer: C**

**Explanation:**

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

In a hybrid network, you can configure Azure virtual machines as domain controllers. The domain controllers in Azure communicate with the on-premises domain controllers in the same way that on-premises domain controllers communicate with each other.

**Question No : 17 - (Topic 2)**

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 Scope 1 .
- 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: B,E**

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))

**Question No : 18 DRAG DROP - (Topic 2)**

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.

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



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Configure the IIS application pool to run as Network Service.

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

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

Explanation:

Graphical user interface, text, application

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