

- **Vendor: Microsoft**
- **Exam Code: AZ-500**
- **Exam Name: Microsoft Azure Security Technologies**
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QUESTION 281

Case Study 3 - Fabrikam, Inc

General Overview

Fabrikam, Inc. is a consulting company that has a main office in Montreal and branch offices in Seattle and New York. Fabrikam has IT, human resources (HR), and finance departments.

Existing Environment

Network Environment

Fabrikam has a Microsoft 365 subscription and an Azure subscription named subscription1.

The network contains an on-premises Active Directory domain named Fabrikam.com. The domain contains two organizational units (OUs) named OU1 and OU2. Azure AD Connect cloud sync syncs only OU1.

The Azure resources hierarchy is shown in the following exhibit.



The Azure Active Directory (Azure AD) tenant contains the users shown in the following table.

Name	Type	Directory-synced	Role	Delegated to
User1	User	Yes	User	None
Admin1	User	No	User Access Administrator	Tenant Root Group
Admin2	User	No	Security administrator	MG1
Admin3	User	No	Contributor	Subscription1
Admin4	User	No	Owner	RG1
Group1	Group	No	Not applicable	None

Azure AD contains the resources shown in the following table.

Name	Type	Setting
CAPolicy1	Conditional access policy	Users in the finance department must use multi-factor authentication (MFA) when accessing Microsoft SharePoint Online
Sentinel1	Azure Sentinel workspace	Not applicable
SecPol1	Azure Policy definition	Security configuration for virtual machines

Subscription1 Resources

Subscription1 contains the virtual networks shown in the following table.

Name	Subnet	Location	Peer
VNET1	Subnet1, Subnet2	West US	VNET2, VNET3
VNET2	Subnet1	Central US	VNET1, VNET3
VNET3	Subnet1	West US	VNET1, VNET2

Subscription1 contains the network security groups (NSGs) shown in the following table.

Name	Location
NSG2	West US
NSG3	Central US
NSG4	West US

Subscription1 contains the virtual machines shown in the following table.

Name	Operating system	Location	Connected to	Associated NSG
VM1	Windows Server 2019	West US	VNET1/Subnet1	None
VM2	CentOS-based 8.2	West US	VNET1/Subnet2	NSG2
VM3	Windows Server 2016	Central US	VNET2/Subnet1	NSG3
VM4	Ubuntu Server 18.04 LTS	West US	VNET3/Subnet1	NSG4

Subscription1 contains the Azure key vaults shown in the following table.

Name	Location	Pricing tier	Private endpoint
KeyVault1	West US	Standard	VNET1/Subnet1
KeyVault2	Central US	Premium	None
KeyVault3	East US	Premium	VNET1/Subnet1, VNET2/Subnet1, VNET3/Subnet1

Subscription1 contains a storage account named storage1 in the West US Azure region.

Planned Changes and Requirements

Planned Changes

Fabrikam plans to implement the following changes:

- Create two application security groups as shown in the following table.

Name	Location
ASG1	West US
ASG2	Central US

- Associate the network interface of VM1 to ASG1.
- Deploy SecPol1 by using Azure Security Center.
- Deploy a third-party app named App1. A version of App1 exists for all available operating systems.
- Create a resource group named RG2.
- Sync OU2 to Azure AD.
- Add User1 to Group1.

Technical Requirements

Fabrikam identifies the following technical requirements:

- The finance department users must reauthenticate after three hours when they access SharePoint Online.
- Storage1 must be encrypted by using customer-managed keys and automatic key rotation.
- From Sentinel1, you must ensure that the following notebooks can be launched:
 - Entity Explorer – Account
 - Entity Explorer – Windows Host
 - Guided Investigation Process Alerts
- VM1, VM2, and VM3 must be encrypted by using Azure Disk Encryption.
- Just in time (JIT) VM access for VM1, VM2, and VM3 must be enabled.
- App1 must use a secure connection string stored in KeyVault1.
- KeyVault1 traffic must NOT travel over the internet.

You need to meet the technical requirements for the finance department users.

Which CAPolicy1 settings should you modify?

- A. Cloud apps or actions
- B. Conditions
- C. Grant
- D. Session

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/howto-conditional-access-session-lifetime>

QUESTION 282

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Hotspot Question

You need to configure support for Azure Sentinel notebooks to meet the technical requirements.

What is the minimum number of Azure container registries and Azure Machine Learning workspaces required?

Answer Area

Container registries:

	▼
0	
1	
2	
3	

Workspaces:

	▼
0	
1	
2	
3	

Answer:

Answer Area

Container registries:

	▼
0	
1	
2	
3	

Workspaces:

	▼
0	
1	
2	
3	

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Drag and Drop Question

You need to perform the planned changes for OU2 and User1.

Which tools should you use? To answer, drag the appropriate tools to the correct resources. Each tool 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.

Tools

The Azure portal

Azure AD Connect

The Active Directory admin center

Active Directory Sites and Services

Active Directory Users and Computers

Answer Area

OU2:

Tool

User1:

Tool

Answer:

Tools

The Active Directory admin center

Active Directory Sites and Services

Active Directory Users and Computers

Answer Area

OU2:

Azure AD Connect

User1:

The Azure portal

Explanation:

<https://docs.microsoft.com/en-us/azure/storage/common/customer-managed-keys-configure-key-vault?tabs=powershell>

QUESTION 284

You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
RG1	Resource group	Used to store virtual machines
RG2	Resource group	Used to store virtual networks
ServerAdmins	Security group	Used to manage virtual machines

You need to ensure that ServerAdmins can perform the following tasks:

- Create virtual machines in RG1 only.
- Connect the virtual machines to the existing virtual networks in RG2 only.

The solution must use the principle of least privilege.

Which two role-based access control (RBAC) roles should you assign to ServerAdmins? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a custom RBAC role for RG2
- B. the Network Contributor role for RG2
- C. the Contributor role for the subscription

- D. a custom RBAC role for the subscription
- E. the Network Contributor role for RG1
- F. the Virtual Machine Contributor role for RG1

Answer: AF

Explanation:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles>

QUESTION 285

You have an Azure Sentinel deployment.

You need to create a scheduled query rule named Rule1.

What should you use to define the query rule logic for Rule1?

- A. a Transact-SQL statement
- B. a JSON definition
- C. GraphQL
- D. a Kusto query

Answer: D

Explanation:

<https://docs.microsoft.com/en-us/azure/sentinel/tutorial-detect-threats-custom>

QUESTION 286

You have an Azure subscription named Subscription1 that contains a resource group named RG1 and the users shown in the following table.

Name	User principal name (UPN)	Type
User1	User1@outlook.com	Guest
User2	User2@outlook.com	Guest

You perform the following tasks:

- Assign User1 the Network Contributor role for Subscription1.
- Assign User2 the Contributor role for RG1.

To Subscription1 and RG1, you assign the following policy definition: External accounts with write permissions should be removed from your subscription.

What is the Compliance State of the policy assignments?

- A. The Compliance State of both policy assignments is Non-compliant.
- B. The Compliance State of the policy assignment to Subscription1 is Compliant, and the Compliance State of the policy assignment to RG1 is Non-compliant.
- C. The Compliance State of the policy assignment to Subscription1 is Non-compliant, and the Compliance State of the policy assignment to RG1 is Compliant.
- D. The Compliance State of both policy assignments is Compliant.

Answer: A

QUESTION 287

Hotspot Question

You have an Azure subscription that contains the Azure Active Directory (Azure AD) resources shown in the following table.

Name	Description
User1	User
Group1	Security group that has a Membership type of Dynamic Device
Managed1	Managed identity
App1	Enterprise application

You create the groups shown in the following table.

Name	Description
Group5	Security group that has a Membership type of Assigned
Group6	Microsoft 365 group that has a Membership type of Assigned

Which resources can you add to Group5 and Group6? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Group5:

	▼
User1 only	
User1 and Group1 only	
User1, Group1, and Managed1 only	
User1, Group1, Managed1, and App1	

Group6:

	▼
User1 only	
User1 and Group1 only	
User1, Group1, and Managed1 only	
User1, Group1, Managed1, and App1	

Answer:

Answer Area

Group5:

	▼
User1 only	
User1 and Group1 only	
User1, Group1, and Managed1 only	
User1, Group1, Managed1, and App1	

Group6:

	▼
User1 only	
User1 and Group1 only	
User1, Group1, and Managed1 only	
User1, Group1, Managed1, and App1	