

➤ **Vendor: Microsoft**

➤ **Exam Code: AZ-104**

➤ **Exam Name: Microsoft Azure Administrator**

➤ **New Updated Questions from [Braindump2go](#) (Updated in [April/2022](#))**

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#### **QUESTION 440**

You have an Azure subscription.

You plan to deploy an Azure Kubernetes Service (AKS) cluster to support an app named App1. On-premises clients connect to App1 by using the IP address of the pod.

For the AKS cluster, you need to choose a network type that will support App1.

What should you choose?

- A. kubenet
- B. Azure Container Networking Interface (CNI)
- C. Hybrid Connection endpoints
- D. Azure Private Link

**Answer: B**

#### **Explanation:**

With Azure CNI, every pod gets an IP address from the subnet and can be accessed directly. These IP addresses must be unique across your network space.

Incorrect Answers:

A: The kubenet networking option is the default configuration for AKS cluster creation. With kubenet, nodes get an IP address from the Azure virtual network subnet. Pods receive an IP address from a logically different address space to the Azure virtual network subnet of the nodes. Network address translation (NAT) is then configured so that the pods can reach resources on the Azure virtual network.

C, D: AKS only supports Kubenet networking and Azure Container Networking Interface (CNI) networking

Reference:

<https://docs.microsoft.com/en-us/azure/aks/concepts-network>

#### **QUESTION 441**

**Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.**

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

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

Name	Public IP SKU	Connected to	Status
VM1	None	VNET1/Subnet1	Stopped (deallocated)
VM2	Basic	VNET1/Subnet2	Running

You deploy a load balancer that has the following configurations:

- Name: LB1
- Type: Internal
- SKU: Standard

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• Virtual network: VNET1

You need to ensure that you can add VM1 and VM2 to the backend pool of LB1.

Solution: You disassociate the public IP address from the network interface of VM2.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### **QUESTION 442**

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

Name	Type	Member of
User1	User	None
User2	User	Group1
Principal1	Managed identity	None
Principal2	Managed identity	Group1

User1, Principal1, and Group1 are assigned the Monitoring Reader role.

An action group named AG1 has the Email Azure Resource Manager Role notification type and is configured to email the Monitoring Reader role.

You create an alert rule named Alert1 that uses AG1.

You need to identify who will receive an email notification when Alert1 is triggered.

Who should you identify?

- A. User1 and Principal1 only
- B. User1, User2, Principal1, and Principal2
- C. User1 only
- D. User1 and User2 only

**Answer: C**

#### **Explanation:**

Email will only be sent to Azure AD user members of the Monitoring Reader role. Email will not be sent to Azure AD groups or service principals.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/action-groups>








#### **QUESTION 443**

Hotspot Question

You have an Azure subscription that contains the storage accounts shown in the following exhibit.

## Storage accounts


Default Directory

 Add
  Manage view
  Refresh
  Export to CSV
  Assign tags
  Delete
  Feedback

Filter by name...

Subscription == all

Resource group == all 

Location == all 

 Add filter

Showing 1 to 4 of 4 records.

<input type="checkbox"/> Name 	Type 	Kind 	Resource group 	Location 
<input type="checkbox"/>  contoso101	Storage account	StorageV2	RG1	East US
<input type="checkbox"/>  contoso102	Storage account	Storage	RG1	East US
<input type="checkbox"/>  contoso103	Storage account	BlobStorage	RG1	East US
<input type="checkbox"/>  contoso104	Storage account	FileStorage	RG1	East US

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

### Answer Area

You can create a premium file share in

▼

- contoso101only
- contoso104 only
- contoso101 or contoso104 only
- contoso101, contoso102, or contoso104 only
- contoso101, contoso102, contoso103, or contoso104

You can use the Archive access tier in

▼

- contoso101only
- contoso101 or contoso103 only
- contoso101, contoso102, and contoso103 only
- contoso101, contoso102, and contoso104 only
- contoso101, contoso102, contoso103, and contoso104

Answer:

### Answer Area

You can create a premium file share in

▼

- contoso101only
- contoso104 only**
- contoso101 or contoso104 only
- contoso101, contoso102, or contoso104 only
- contoso101, contoso102, contoso103, or contoso104

You can use the Archive access tier in

▼

- contoso101only
- contoso101 or contoso103 only
- contoso101, contoso102, and contoso103 only**
- contoso101, contoso102, and contoso104 only
- contoso101, contoso102, contoso103, and contoso104

Explanation:

Box 1: contoso104 only

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Premium file shares are hosted in a special purpose storage account kind, called a FileStorage account.

Box 2: contoso101, contoso102, and contoso103 only

Reference:

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-premium-fileshare?tabs=azure-portal>

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

**QUESTION 444**

Hotspot Question

You manage two Azure subscriptions named Subscription1 and Subscription2.

Subscription1 has following virtual networks:

Name	Address space	Location
VNET1	10.10.10.0/24	West Europe
VNET2	172.16.0.0/16	West US

The virtual networks contain the following subnets:

Name	Address space	In virtual network
Subnet11	10.10.10.0/24	VNET1
Subnet21	172.16.0.0/18	VNET2
Subnet22	172.16.128.0/18	VNET2

Subscription2 contains the following virtual network:

- Name: VNETA

- Address space: 10.10.128.0/17

- Location: Canada Central

VNETA contains the following subnets:

Name	Address space
SubnetA1	10.10.130.0/24
SubnetA2	10.10.131.0/24

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
A Site-to-Site connection can be established between VNET1 and VNET2.	<input type="radio"/>	<input type="radio"/>
VNET1 and VNET2 can be peered.	<input type="radio"/>	<input type="radio"/>
VNET1 and VNETA can be peered.	<input type="radio"/>	<input type="radio"/>

Answer:

## Answer Area

Statements	Yes	No
A Site-to-Site connection can be established between VNET1 and VNET2.	<input checked="" type="radio"/>	<input type="radio"/>
VNET1 and VNET2 can be peered.	<input checked="" type="radio"/>	<input type="radio"/>
VNET1 and VNETA can be peered.	<input type="radio"/>	<input checked="" type="radio"/>

### Explanation:

Box 1: Yes

With VNet-to-VNet you can connect Virtual Networks in Azure across different regions.

Box 2: Yes

Azure supports the following types of peering:

Virtual network peering: Connect virtual networks within the same Azure region.

Global virtual network peering: Connecting virtual networks across Azure regions.

Box 3: No

The virtual networks you peer must have non-overlapping IP address spaces.

Reference:

<https://azure.microsoft.com/en-us/blog/vnet-to-vnet-connecting-virtual-networks-in-azure-across-different-regions/>

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-manage-peering#requirements-and-constraints>

### QUESTION 445

You have an Azure subscription named Subscription1 that contains an Azure Log Analytics workspace named Workspace1.

You need to view the error event from a table named Event.

Which query should you run in Workspace1?

- A. Get-Event Event | where {\$\_.EventType == "error"}
- B. Event | search "error"
- C. select \* from Event where EventType == "error"
- D. Event | where EventType is "error"

**Answer: B**

### Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/search-queries>

<https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/get-started-portal>

<https://docs.microsoft.com/en-us/azure/data-explorer/kusto/query/searchoperator?pivots=azuredatexplorer>

### QUESTION 446

You have two Azure virtual machines named VM1 and VM2. You have two Recovery Services vaults named RSV1 and RSV2.

VM2 is backed up to RSV1.

You need to back up VM2 to RSV2.

What should you do first?

- A. From the RSV1 blade, click Backup items and stop the VM2 backup
- B. From the RSV2 blade, click Backup. From the Backup blade, select the backup for the virtual

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machine, and then click Backup

- C. From the VM2 blade, click Disaster recovery, click Replication settings, and then select RSV2 as the Recovery Services vault
- D. From the RSV1 blade, click Backup Jobs and export the VM2 job

**Answer: C**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-vms-first-look-arm>

#### **QUESTION 447**

You have a general-purpose v1 Azure Storage account named storage1 that uses locally-redundant storage (LRS). You need to ensure that the data in the storage account is protected if a zone fails. The solution must minimize costs and administrative effort. What should you do first?

- A. Create a new storage account.
- B. Configure object replication rules.
- C. Upgrade the account to general-purpose v2.
- D. Modify the Replication setting of storage1.

**Answer: C**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

#### **QUESTION 448**

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

Name	Type	Performance
storage1	StorageV2	Standard
storage2	BlobStorage	Standard
storage3	BlockBlobStorage	Premium
storage4	FileStorage	Premium

You plan to manage the data stored in the accounts by using lifecycle management rules. To which storage accounts can you apply lifecycle management rules?

- A. storage1 only
- B. storage1 and storage2 only
- C. storage3 and storage4 only
- D. storage1, storage2, and storage3 only
- E. storage1, storage2, storage3, and storage4

**Answer: D**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-lifecycle-management-concepts?tabs=azure-portal>

#### **QUESTION 449**

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

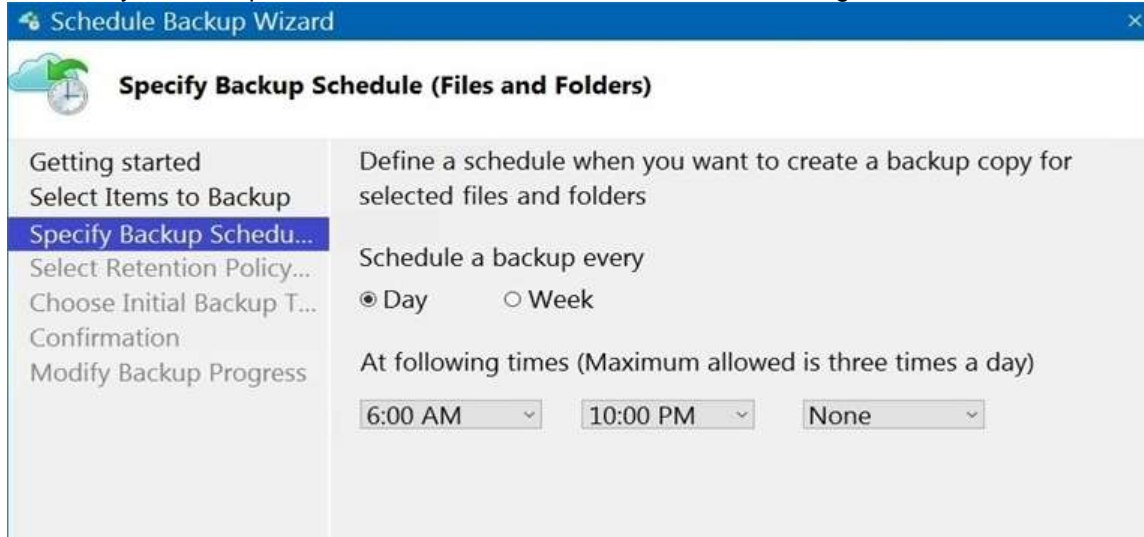
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Name	Type	Resource group	Location
Vault1	Recovery services vault	RG1	East US
VM1	Virtual machine	RG1	East US
VM2	Virtual machine	RG1	West US

All virtual machines run Windows Server 2016.

On VM1, you back up a folder named Folder1 as shown in the following exhibit.



You plan to restore the backup to a different virtual machine.

You need to restore the backup to VM2.

What should you do first?

- A. From VM1, install the Windows Server Backup feature.
- B. From VM2, install the Microsoft Azure Recovery Services Agent.
- C. From VM1, install the Microsoft Azure Recovery Services Agent.
- D. From VM2, install the Windows Server Backup feature.

**Answer: B**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-restore-windows-server>

#### QUESTION 450

**Note:** This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1.

You need to deploy a YAML file to AKS1.

Solution: From Azure Cloud Shell, you run az aks.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

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**QUESTION 451**

**Note:** This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1.

You need to deploy a YAML file to AKS1.

Solution: From Azure Cloud Shell, you run the kubectl client.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

**QUESTION 452**

**Note:** This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

You deploy an Azure Kubernetes Service (AKS) cluster named AKS1.

You need to deploy a YAML file to AKS1.

Solution: From Azure CLI, you run azcopy.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

<https://docs.microsoft.com/en-us/azure/aks/kubernetes-walkthrough>

**QUESTION 453**

You have an Azure subscription that contains two virtual machines as shown in the following table.

Name	Operating system	Location	IP address	DNS server
VM1	Windows Server 2019	West Europe	10.0.0.4	Default (Azure-provided)
VM2	Windows Server 2019	West Europe	10.0.0.5	Default (Azure-provided)

You perform a reverse DNS lookup for 10.0.0.4 from VM2.

Which FQDN will be returned?

- A. vm1.core.windows.net
- B. vm1.azure.com
- C. vm1.westeurope.cloudapp.azure.com
- D. vm1.internal.cloudapp.net

**Answer:** B

**QUESTION 454**

**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

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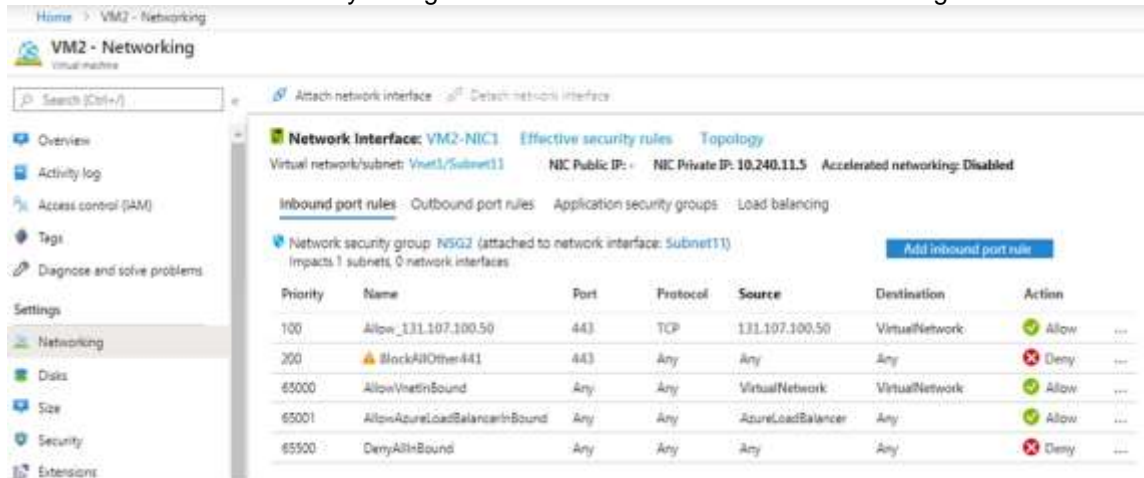


correct solution, while others might not have a correct solution.

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

You have an app named App1 that is installed on two Azure virtual machines named VM1 and VM2. Connections to App1 are managed by using an Azure Load Balancer.

The effective network security configurations for VM2 are shown in the following exhibit.



**Network interface: VM2-NIC1** Effective security rules Topology

Virtual network/subnet: Vnet1/Subnet11 NIC Public IP: - NIC Private IP: 10.240.11.5 Accelerated networking: Disabled

Inbound port rules Outbound port rules Application security groups Load balancing

Network security group NSG2 (attached to network interface: Subnet11)  
Impacts 1 subnets, 0 network interfaces

Priority	Name	Port	Protocol	Source	Destination	Action
100	Allow_131.107.100.50	443	TCP	131.107.100.50	VirtualNetwork	Allow
200	BlockAllOther443	443	Any	Any	Any	Deny
65000	AllowVnetInBound	Any	Any	VirtualNetwork	VirtualNetwork	Allow
65001	AllowAzureLoadBalancerInBound	Any	Any	AzureLoadBalancer	Any	Allow
65500	DenyAllInBound	Any	Any	Any	Any	Deny

You discover that connections to App1 from 131.107.100.50 over TCP port 443 fail.

You verify that the Load Balancer rules are configured correctly.

You need to ensure that connections to App1 can be established successfully from 131.107.100.50 over TCP port 443.

Solution: You create an inbound security rule that allows any traffic from the AzureLoadBalancer source and has a cost of 150.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview>

## QUESTION 455

### Case Study 5 - Contoso, Ltd

#### Overview

#### General Overview

Contoso, Ltd. is a consulting company that has a main office in Montreal and branch offices in Seattle and New York.

#### Environment

#### Existing Environment

Contoso has an Azure subscription named Sub1 that is linked to an Azure Active Directory (Azure AD) tenant. The network contains an on-premises Active Directory domain that syncs to the Azure AD tenant.

The Azure AD tenant contains the users shown in the following table.

Name	Type	Role
User1	Member	None
User2	Guest	None
User3	Member	None
User4	Member	None

Sub1 contains two resource groups named RG1 and RG2 and the virtual networks shown in the following table.

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Name	Subnet	Peered with
VNET1	Subnet1, Subnet2	VNET2
VNET2	Subnet1	VNET1, VNET3
VNET3	Subnet1	VNET2
VNET4	Subnet1	<b>None</b>

User1 manages the resources in RG1. User4 manages the resources in RG2.

Sub1 contains virtual machines that run Windows Server 2019 as shown in the following table

Name	IP address	Location	Connected to
VM1	10.0.1.4	West US	VNET1/Subnet1
VM2	10.0.2.4	West US	VNET1/Subnet2
VM3	172.16.1.4	Central US	VNET2/Subnet1
VM4	192.168.1.4	West US	VNET3/Subnet1
VM5	10.0.22.4	East US	VNET4/Subnet1

No network security groups (NSGs) are associated to the network interfaces or the subnets.

Sub1 contains the storage accounts shown in the following table.

Name	Kind	Location	File share	Identity-based access for file share
storage1	Storage (general purpose v1)	West US	sharea	Azure Active Directory Domain Services (Azure AD DS)
storage2	StorageV2 (general purpose v2)	East US	shareb, sharec	Disabled
storage3	BlobStorage	East US 2	<b>Not applicable</b>	<b>Not applicable</b>
storage4	FileStorage	Central US	shared	Azure Active Directory Domain Services (Azure AD DS)

## Requirements

### Planned Changes

Contoso plans to implement the following changes:

- Create a blob container named container1 and a file share named share1 that will use the Cool storage tier.
- Create a storage account named storage5 and configure storage replication for the Blob service.
- Create an NSG named NSG1 that will have the custom inbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
500	3389	TCP	10.0.2.0/24	Any	Deny
1000	Any	ICMP	Any	VirtualNetwork	Allow

- Associate NSG1 to the network interface of VM1.
- Create an NSG named NSG2 that will have the custom outbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
200	3389	TCP	10.0.0.0/16	VirtualNetwork	Deny
400	Any	ICMP	10.0.2.0/24	10.0.1.0/24	Allow

- Associate NSG2 to VNET1/Subnet2.

### Technical Requirements

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Contoso must meet the following technical requirements:

- Create container1 and share1.
- Use the principle of least privilege.
- Create an Azure AD security group named Group4.
- Back up the Azure file shares and virtual machines by using Azure Backup.
- Trigger an alert if VM1 or VM2 has less than 20 GB of free space on volume C.
- Enable User1 to create Azure policy definitions and User2 to assign Azure policies to RG1.
- Create an internal Basic Azure Load Balancer named LB1 and connect the load balancer to VNET1/Subnet1
- Enable flow logging for IP traffic from VM5 and retain the flow logs for a period of eight months.
- Whenever possible, grant Group4 Azure role-based access control (Azure RBAC) read-only permissions to the Azure file shares.

You need to ensure that VM1 can communicate with VM4. The solution must minimize the administrative effort. What should you do?

- A. Create an NSG and associate the NSG to VM1 and VM4.
- B. Establish peering between VNET1 and VNET3.
- C. Assign VM4 an IP address of 10.0.1.5/24.
- D. Create a user-defined route from VNET1 to VNET3.

**Answer: C**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal>

#### QUESTION 456

##### Case Study 5 - Contoso, Ltd

##### Overview

##### General Overview

Contoso, Ltd. is a consulting company that has a main office in Montreal and branch offices in Seattle and New York.

##### Environment

##### Existing Environment

Contoso has an Azure subscription named Sub1 that is linked to an Azure Active Directory (Azure AD) tenant. The network contains an on-premises Active Directory domain that syncs to the Azure AD tenant.

The Azure AD tenant contains the users shown in the following table.

Name	Type	Role
User1	Member	None
User2	Guest	None
User3	Member	None
User4	Member	None

Sub1 contains two resource groups named RG1 and RG2 and the virtual networks shown in the following table.

Name	Subnet	Peered with
VNET1	Subnet1, Subnet2	VNET2
VNET2	Subnet1	VNET1, VNET3
VNET3	Subnet1	VNET2
VNET4	Subnet1	None

User1 manages the resources in RG1. User4 manages the resources in RG2.

Sub1 contains virtual machines that run Windows Server 2019 as shown in the following table



Name	IP address	Location	Connected to
VM1	10.0.1.4	West US	VNET1/Subnet1
VM2	10.0.2.4	West US	VNET1/Subnet2
VM3	172.16.1.4	Central US	VNET2/Subnet1
VM4	192.168.1.4	West US	VNET3/Subnet1
VM5	10.0.22.4	East US	VNET4/Subnet1

No network security groups (NSGs) are associated to the network interfaces or the subnets. Sub1 contains the storage accounts shown in the following table.

Name	Kind	Location	File share	Identity-based access for file share
storage1	Storage (general purpose v1)	West US	sharea	Azure Active Directory Domain Services (Azure AD DS)
storage2	StorageV2 (general purpose v2)	East US	shareb, sharec	Disabled
storage3	BlobStorage	East US 2	<b>Not applicable</b>	<b>Not applicable</b>
storage4	FileStorage	Central US	shared	Azure Active Directory Domain Services (Azure AD DS)

#### Requirements

#### Planned Changes

Contoso plans to implement the following changes:

- Create a blob container named container1 and a file share named share1 that will use the Cool storage tier.
- Create a storage account named storage5 and configure storage replication for the Blob service.
- Create an NSG named NSG1 that will have the custom inbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
500	3389	TCP	10.0.2.0/24	Any	Deny
1000	Any	ICMP	Any	VirtualNetwork	Allow

- Associate NSG1 to the network interface of VM1.
- Create an NSG named NSG2 that will have the custom outbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
200	3389	TCP	10.0.0.0/16	VirtualNetwork	Deny
400	Any	ICMP	10.0.2.0/24	10.0.1.0/24	Allow

- Associate NSG2 to VNET1/Subnet2.

#### Technical Requirements

Contoso must meet the following technical requirements:

- Create container1 and share1.
- Use the principle of least privilege.
- Create an Azure AD security group named Group4.
- Back up the Azure file shares and virtual machines by using Azure Backup.
- Trigger an alert if VM1 or VM2 has less than 20 GB of free space on volume C.
- Enable User1 to create Azure policy definitions and User2 to assign Azure policies to RG1.
- Create an internal Basic Azure Load Balancer named LB1 and connect the load balancer to VNET1/Subnet1
- Enable flow logging for IP traffic from VM5 and retain the flow logs for a period of eight months.

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- Whenever possible, grant Group4 Azure role-based access control (Azure RBAC) read-only permissions to the Azure file shares.

Hotspot Question

You need to create container1 and share1.

Which storage accounts should you use for each resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

container1:	<div><div></div><div>▼</div></div>
	<div>storage2 only</div> <div>storage2 and storage3 only</div> <div>storage1, storage2, and storage3 only</div> <div>storage2, storage3, and storage4 only</div> <div>storage1, storage2, storage3, and storage4</div>
share1:	<div><div></div><div>▼</div></div>
	<div>storage2 only</div> <div>storage4 only</div> <div>storage2 and storage4 only</div> <div>storage1, storage2, and storage4 only</div> <div>storage1, storage2, storage3, and storage4</div>

Answer:



## Answer Area

container1:  ▼

storage2 only
storage2 and storage3 only
storage1, storage2, and storage3 only
storage2, storage3, and storage4 only
storage1, storage2, storage3, and storage4

share1:  ▼

storage2 only
storage4 only
storage2 and storage4 only
storage1, storage2, and storage4 only
storage1, storage2, storage3, and storage4

**Explanation:**

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview>

**QUESTION 457**

**Case Study 5 - Contoso, Ltd**

**Overview**

**General Overview**

Contoso, Ltd. is a consulting company that has a main office in Montreal and branch offices in Seattle and New York.

**Environment**

**Existing Environment**

Contoso has an Azure subscription named Sub1 that is linked to an Azure Active Directory (Azure AD) tenant. The network contains an on-premises Active Directory domain that syncs to the Azure AD tenant.

The Azure AD tenant contains the users shown in the following table.

Name	Type	Role
User1	Member	None
User2	Guest	None
User3	Member	None
User4	Member	None

Sub1 contains two resource groups named RG1 and RG2 and the virtual networks shown in the following table.

Name	Subnet	Peered with
VNET1	Subnet1, Subnet2	VNET2
VNET2	Subnet1	VNET1, VNET3
VNET3	Subnet1	VNET2
VNET4	Subnet1	None

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User1 manages the resources in RG1. User4 manages the resources in RG2.

Sub1 contains virtual machines that run Windows Server 2019 as shown in the following table

Name	IP address	Location	Connected to
VM1	10.0.1.4	West US	VNET1/Subnet1
VM2	10.0.2.4	West US	VNET1/Subnet2
VM3	172.16.1.4	Central US	VNET2/Subnet1
VM4	192.168.1.4	West US	VNET3/Subnet1
VM5	10.0.22.4	East US	VNET4/Subnet1

No network security groups (NSGs) are associated to the network interfaces or the subnets.

Sub1 contains the storage accounts shown in the following table.

Name	Kind	Location	File share	Identity-based access for file share
storage1	Storage (general purpose v1)	West US	sharea	Azure Active Directory Domain Services (Azure AD DS)
storage2	StorageV2 (general purpose v2)	East US	shareb, sharec	Disabled
storage3	BlobStorage	East US 2	Not applicable	Not applicable
storage4	FileStorage	Central US	shared	Azure Active Directory Domain Services (Azure AD DS)

## Requirements

### Planned Changes

Contoso plans to implement the following changes:

- Create a blob container named container1 and a file share named share1 that will use the Cool storage tier.
- Create a storage account named storage5 and configure storage replication for the Blob service.
- Create an NSG named NSG1 that will have the custom inbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
500	3389	TCP	10.0.2.0/24	Any	Deny
1000	Any	ICMP	Any	VirtualNetwork	Allow

- Associate NSG1 to the network interface of VM1.
- Create an NSG named NSG2 that will have the custom outbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
200	3389	TCP	10.0.0.0/16	VirtualNetwork	Deny
400	Any	ICMP	10.0.2.0/24	10.0.1.0/24	Allow

- Associate NSG2 to VNET1/Subnet2.

### Technical Requirements

Contoso must meet the following technical requirements:

- Create container1 and share1.
- Use the principle of least privilege.
- Create an Azure AD security group named Group4.
- Back up the Azure file shares and virtual machines by using Azure Backup.
- Trigger an alert if VM1 or VM2 has less than 20 GB of free space on volume C.
- Enable User1 to create Azure policy definitions and User2 to assign Azure policies to RG1.

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- Create an internal Basic Azure Load Balancer named LB1 and connect the load balancer to VNET1/Subnet1
- Enable flow logging for IP traffic from VM5 and retain the flow logs for a period of eight months.
- Whenever possible, grant Group4 Azure role-based access control (Azure RBAC) read-only permissions to the Azure file shares.

Hotspot Question

You need to create storage5. The solution must support the planned changes.

Which type of storage account should you use, and which account should you configure as the destination storage account? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

Account kind:

BlobStorage
BlockBlobStorage
Storage (general purpose v1)
StorageV2 (general purpose v2)

Destination:

Storage1
Storage2
Storage3
Storage4

Answer:

### Answer Area

Account kind:

BlobStorage
BlockBlobStorage
Storage (general purpose v1)
StorageV2 (general purpose v2)

Destination:

Storage1
Storage2
Storage3
Storage4

**Explanation:**

<https://docs.microsoft.com/en-us/azure/storage/blobs/object-replication-configure?tabs=portal>

### QUESTION 458

Your company has several departments. Each department has a number of virtual machines (VMs).

The company has an Azure subscription that contains a resource group named RG1.

All VMs are located in RG1.

You want to associate each VM with its respective department.

What should you do?

- A. Create Azure Management Groups for each department.
- B. Create a resource group for each department.
- C. Assign tags to the virtual machines.

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D. Modify the settings of the virtual machines.

**Answer: C**

**Explanation:**

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags>

#### **QUESTION 459**

**Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.**

Your company has an Azure Active Directory (Azure AD) subscription.

You want to implement an Azure AD conditional access policy.

The policy must be configured to require members of the Global Administrators group to use Multi-Factor Authentication and an Azure AD-joined device when they connect to Azure AD from untrusted locations.

Solution: You access the multi-factor authentication page to alter the user settings.

Does the solution meet the goal?

A. Yes

B. No

**Answer: B**

#### **QUESTION 460**

**Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.**

Your company has an Azure Active Directory (Azure AD) subscription.

You want to implement an Azure AD conditional access policy.

The policy must be configured to require members of the Global Administrators group to use Multi-Factor Authentication and an Azure AD-joined device when they connect to Azure AD from untrusted locations.

Solution: You access the Azure portal to alter the session control of the Azure AD conditional access policy.

Does the solution meet the goal?

A. Yes

B. No

**Answer: B**

#### **QUESTION 461**

**Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.**

Your company has an Azure Active Directory (Azure AD) subscription.

You want to implement an Azure AD conditional access policy.

The policy must be configured to require members of the Global Administrators group to use Multi-Factor Authentication and an Azure AD-joined device when they connect to Azure AD from untrusted locations.

Solution: You access the Azure portal to alter the grant control of the Azure AD conditional access policy.

Does the solution meet the goal?

A. Yes

B. No

**Answer: A**