

# Microsoft

## Exam Questions az-500

Microsoft Azure Security Technologies



**NEW QUESTION 1**

- (Exam Topic 4)

You have the Azure virtual machines shown in the following table.

Name	Location	Connected to
VM1	West US 2	VNET1/Subnet1
VM2	West US 2	VNET1/Subnet1
VM3	West US 2	VNET1/Subnet2
VM4	East US	VNET2/Subnet3
VM5	West US 2	VNET5/Subnet5

Each virtual machine has a single network interface.

You add the network interface of VM1 to an application security group named ASG1.

You need to identify the network interfaces of which virtual machines you can add to ASG1. What should you identify?

- A. VM2 only
- B. VM2, VM3, VM4, and VM5
- C. VM2, VM3, and VM5 only
- D. VM2 and VM3 only

**Answer: D**

**Explanation:**

Reference:

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

**NEW QUESTION 2**

- (Exam Topic 4)

You have an Azure resource group that contains 100 virtual machines.

You have an initiative named Initiative1 that contains multiple policy definitions. Initiative1 is assigned to the resource group.

You need to identify which resources do NOT match the policy definitions.

What should you do?

- A. From Azure Security Center, view the Regulatory compliance assessment.
- B. From the Policy blade of the Azure Active Directory admin center, select Compliance.
- C. From Azure Security Center, view the Secure Score.
- D. From the Policy blade of the Azure Active Directory admin center, select Assignments.

**Answer: A**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/get-compliance-data#portal>

**NEW QUESTION 3**

- (Exam Topic 4)

You have an Azure subscription.

You plan to create a workflow automation in Azure Security Center that will automatically remediate a security vulnerability.

What should you create first?

- A. a managed identity
- B. an automation account
- C. an Azure function app
- D. an alert rule
- E. an Azure logic app

**Answer: E**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/security-center/workflow-automation>

**NEW QUESTION 4**

- (Exam Topic 4)

You have an Azure subscription that contains several Azure SQL databases and an Azure Sentinel workspace.

You need to create a saved query in the workspace to find events reported by Advanced Threat Protection for Azure SQL Database.

What should you do?

- A. From Azure CLI run the Get-AzOperationalInsightsworkspace cmdlet.
- B. From the Azure SQL Database query editor, create a Transact-SQL query.
- C. From the Azure Sentinel workspace, create a Kusto Query Language query.
- D. From Microsoft SQL Server Management Studio (SSMS), create a Transact-SQL query.

**Answer: C**

**NEW QUESTION 5**

- (Exam Topic 4)

You have an Azure subscription that uses Microsoft Sentinel.

You need to create a Microsoft Sentinel notebook that will use the Guided Investigation - Anomaly Lookup template.

What should you create first?

- A. an analytics rule
- B. a Log Analytics workspace
- C. an Azure Machine Learning workspace
- D. a hunting query

**Answer:** A

**NEW QUESTION 6**

- (Exam Topic 4)

You need to ensure that the audit logs from the SQLdb1 Azure SQL database are stored in the WS11641655 Azure Log Analytics workspace.

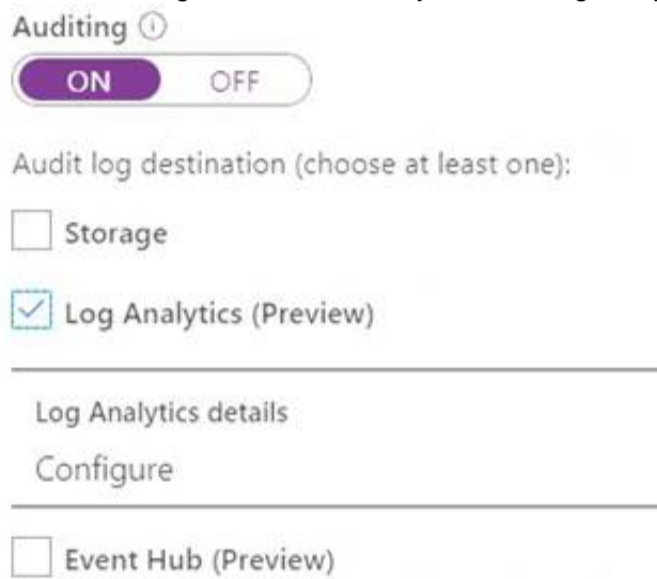
To complete this task, sign in to the Azure portal and modify the Azure resources.

**Solution:**

\* 1. In the Azure portal, type SQL in the search box, select SQL databases from the search results then select SQLdb1. Alternatively, browse to SQL databases in the left navigation pane.

\* 2. In the properties of SQLdb1, scroll down to the Security section and select Auditing.

\* 3. Turn auditing on if it isn't already, tick the Log Analytics checkbox then click on Configure.



\* 4. Select the WS11641655 Azure Log Analytics workspace.

\* 5. Click Save to save the changes.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**NEW QUESTION 7**

- (Exam Topic 3)

From Azure Security Center, you need to deploy SecPol1. What should you do first?

- A. Enable Azure Defender.
- B. Create an Azure Management group.
- C. Create an initiative.
- D. Configure continuous export.

**Answer:** C

**Explanation:**

Reference:

<https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/security-center/custom-security-policies.md> <https://zimmergren.net/create-custom-security-center-recommendation-with-azure-policy/>

**NEW QUESTION 8**

- (Exam Topic 3)

You plan to configure Azure Disk Encryption for VM4 Which key vault can you use to store the encryption key?

- A. KeyVault1
- B. KeyVault3
- C. KeyVault2

**Answer:** A

**Explanation:**

The key vault needs to be in the same subscription and same region as the VM. VM4 is in West US. KeyVault1 is the only key vault in the same region as the VM.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/disk-encryption-key-vault>

**NEW QUESTION 9**

- (Exam Topic 1)

You need to ensure that the Azure AD application registration and consent configurations meet the identity and access requirements.

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

To configure the registration settings:

	▼
Azure AD – User settings	
Azure AD – App registrations settings	
Enterprise Applications – User settings	

To configure the consent settings:

	▼
Azure AD – User settings	
Azure AD – App registrations settings	
Enterprise Applications – User settings	

**Solution:**

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/configure-user-consent>

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 10**

- (Exam Topic 4)

You need to ensure that connections through an Azure Application Gateway named Homepage-AGW are inspected for malicious requests.

To complete this task, sign in to the Azure portal. You do not need to wait for the task to complete.

**Solution:**

You need to enable the Web Application Firewall on the Application Gateway.

In the Azure portal, type Application gateways in the search box, select Application gateways from the search results then select the gateway named Homepage-AGW. Alternatively, browse to Application Gateways in the left navigation pane.

In the properties of the application gateway, click on Web application firewall. For the Tier setting, select WAF V2.

In the Firewall status section, click the slider to switch to Enabled. In the Firewall mode section, click the slider to switch to Prevention. Click Save to save the changes.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 11**

- (Exam Topic 4)

You have an Azure Active Directory (Azure AD) tenant and a root management group. You create 10 Azure subscriptions and add the subscriptions to the root management group.

You need to create an Azure Blueprints definition that will be stored in the root management group. What should you do first?

- A. Add an Azure Policy definition to the root management group.
- B. Modify the role-based access control (RBAC) role assignments for the root management group.
- C. Create a user-assigned identity.
- D. Create a service principal.

**Answer: B**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/role-based-access-control/elevate-access-global-admin>

**NEW QUESTION 12**

- (Exam Topic 4)

You have the Azure Information Protection conditions shown in the following table.

Name	Pattern	Case sensitivity
Condition1	White	On
Condition2	Black	Off

You have the Azure Information Protection labels shown in the following table.

Name	Applies to	Use label	Set the default label
Global	<i>Not applicable</i>	<i>None</i>	None
Policy1	User1	Label1	None
Policy2	User1	Label2	None

You need to identify how Azure Information Protection will label files.

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

If User1 creates a Microsoft Word file that includes the text "Black and White", the file will be assigned:

No label

Label1 only

Label2 only

Label1 and Label2

If User1 creates a Microsoft Notepad file that includes the text "Black or white", the file will be assigned:

No label

Label1 only

Label2 only

Label1 and Label2

**Solution:**

Box 1: Label 2 only

How multiple conditions are evaluated when they apply to more than one label

- > The labels are ordered for evaluation, according to their position that you specify in the policy: The label positioned first has the lowest position (least sensitive) and the label positioned last has the highest position (most sensitive).
- > The most sensitive label is applied.
- > The last sublabel is applied.

Box 2: No Label

Automatic classification applies to Word, Excel, and PowerPoint when documents are saved, and apply to Outlook when emails are sent. Automatic classification does not apply to Microsoft Notepad.

References:

<https://docs.microsoft.com/en-us/azure/information-protection/configure-policy-classification>

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 13**

- (Exam Topic 4)

You have Azure Resource Manager templates that you use to deploy Azure virtual machines.

You need to disable unused Windows features automatically as instances of the virtual machines are provisioned.

What should you use?

- A. security policies in Azure Security Center
- B. Azure Logic Apps
- C. an Azure Desired State Configuration (DSC) virtual machine extension
- D. Azure Advisor

**Answer: C**

**NEW QUESTION 14**

- (Exam Topic 4)

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

Name	Type
storage1	Azure Blob storage
storage2	Azure Files SMB
storage3	Azure Table storage

You need to configure authorization access.

Which authorization types can you use for each storage account? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

storage1: v

Shared Key only
Shared access signature (SAS) only
Azure Active Directory (Azure AD) only
Shared Key and shared access signature (SAS) only
Shared Key, shared access signature (SAS), and Azure Active Directory (Azure AD)

storage2: v

Shared Key only
Shared access signature (SAS) only
Shared Key and shared access signature (SAS)

storage3: v

Shared Key only
Shared access signature (SAS) only
Azure Active Directory (Azure AD) only
Shared Key and shared access signature (SAS) only
Shared Key, shared access signature (SAS), and Azure Active Directory (Azure AD)

**Solution:**

Graphical user interface, text, application, email Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/authorize-data-access>

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 15**

- (Exam Topic 4)

You have an Azure subscription named Sub1 that contains an Azure Storage account named Contosostorage1 and an Azure key vault named Contosokeyvault1.

You plan to create an Azure Automation runbook that will rotate the keys of Contosostorage1 and store them in Contosokeyvault1.

You need to implement prerequisites to ensure that you can implement the runbook.

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.

Actions	Answer Area	
Run Set-AzureRmKeyVaultAccessPolicy		
Create an Azure Automation account.		
Import PowerShell modules to the Azure Automation account.		⬅️
Create a user-assigned managed identity.		⬆️
Create a connection resource in the Azure Automation account.		⬇️

**Solution:**

Step 1: Create an Azure Automation account

Runbooks live within the Azure Automation account and can execute PowerShell scripts. Step 2: Import PowerShell modules to the Azure Automation account

Under 'Assets' from the Azure Automation account Resources section select 'to add in Modules to the runbook. To execute key vault cmdlets in the runbook, we need to add AzureRM.profile and AzureRM.key vault.

Step 3: Create a connection resource in the Azure Automation account

You can use the sample code below, taken from the AzureAutomationTutorialScript example runbook, to authenticate using the Run As account to manage Resource Manager resources with your runbooks. The AzureRunAsConnection is a connection asset automatically created when we created 'run as accounts' above. This can be found under Assets -> Connections. After the authentication code, run the same code above to get all the keys from the vault.

```
$connectionName = "AzureRunAsConnection" try
{
# Get the connection "AzureRunAsConnection "
$servicePrincipalConnection=Get-AutomationConnection -Name $connectionName "Logging in to Azure..."
Add-AzureRmAccount `
-ServicePrincipal `
-TenantId $servicePrincipalConnection.TenantId `
-ApplicationId $servicePrincipalConnection.ApplicationId `
-CertificateThumbprint $servicePrincipalConnection.CertificateThumbprint
}
```

References:

<https://www.rahulpnath.com/blog/accessing-azure-key-vault-from-azure-runbook/>

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 16**

- (Exam Topic 4)

The developers at your company plan to publish an app named App11641655 to Azure.

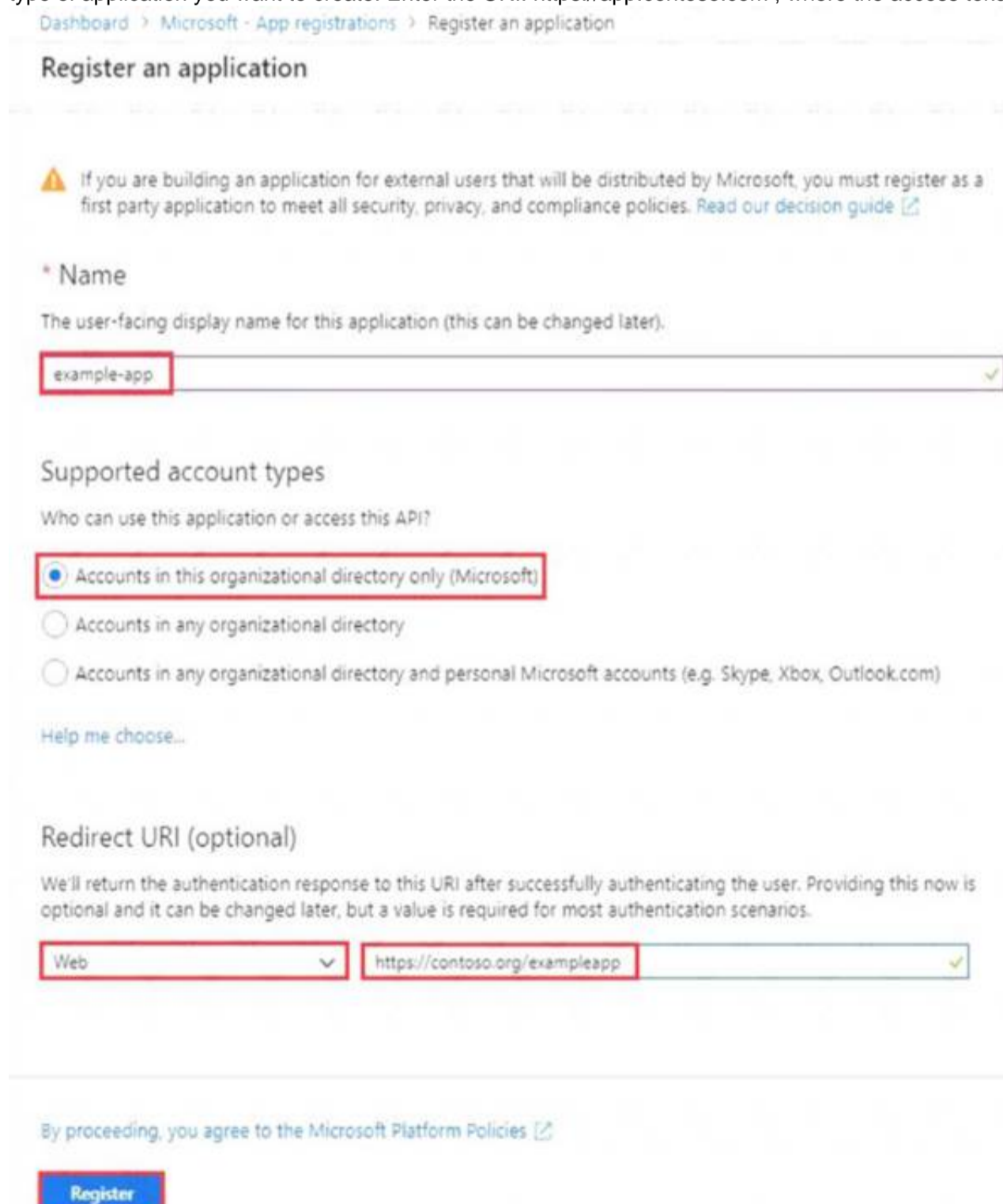
You need to ensure that the app is registered to Azure Active Directory (Azure AD). The registration must use the sign-on URLs of <https://app.contoso.com>.

To complete this task, sign in to the Azure portal and modify the Azure resources.

**Solution:**

Step 1: Register the Application

- \* 1. Sign in to your Azure Account through the Azure portal.
- \* 2. Select Azure Active Directory.
- \* 3. Select App registrations.
- \* 4. Select New registration.
- \* 5. Name the application App11641655. Select a supported account type, which determines who can use the application. Under Redirect URI, select Web for the type of application you want to create. Enter the URI: <https://app.contoso.com> , where the access token is sent to.



\* 6. Click Register

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/develop/howto-create-service-principal-portal>

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 17**

- (Exam Topic 4)

You have an Azure Active Directory (Azure AD) tenant named Contoso.com and an Azure Service (AKS) cluster AKS1. You discover that AKS1 cannot be accessed by using accounts from Contoso.com. You need to ensure AKS1 can be accessed by using accounts from Contoso.com. The solution must minimize administrative effort. What should you do first?

- A. From Azure recreate AKS1,
- B. From AKS1, upgrade the version of Kubernetes.
- C. From Azure AD, implement Azure AD Premium P2.
- D. From Azure AD, configure the User settings

**Answer: A**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/aks/azure-ad-integration-cli>

**NEW QUESTION 18**

- (Exam Topic 4)

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

Name	Type
VM1	Virtual machine
VNET1	Virtual network
storage1	Storage account
Vault1	Key vault

You plan to enable Azure Defender for the subscription. Which resources can be protected by using Azure Defender?

- A. VM1, VNET1, storage1, and Vault1
- B. VM1, VNET1, and storage1 only
- C. VM1, storage1, and Vault1 only
- D. VM1 and VNET1 only
- E. VM1 and storage1 only

**Answer: A**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/security-center/azure-defender>

**NEW QUESTION 19**

- (Exam Topic 4)

You work at a company named Contoso, Ltd. that has the offices shown in the following table.

Name	IP address space
Boston	180.15.10.0/24
Seattle	132.32.15.0/24

Contoso has an Azure Active Directory (Azure AD) tenant named contoso.com. All contoso.com users have Azure Multi-Factor Authentication (MFA) enabled. The tenant contains the users shown in the following table.

Name	User device	Last sign-in	During last sign-in, user selected Don't ask again for 14 days
User1	Device1	June 1	Yes
User2	Device2	June 3	No

The multi-factor settings for contoso.com are configured as shown in the following exhibit.



## multi-factor authentication

users service settings

### app passowrds [\(learn more\)](#)

- Allow users to create app passwords to sign in to non-browser apps
- Do not allow users to create app passwords to sign in to non-browser apps

### trusted ips [\(learn more\)](#)

- Skip multi-factor authentication for requests from federated users on my intranet
- Skip multi-factor authentication for requests from following range of IP address subnets

180.15.10.0/24

### verification options [\(learn more\)](#)

Methods available to users:

- call to phone
- Text message to phone
- Notification through mobile app
- Verification code from mobile app or hardware token

### remember multi-factor authentication [\(learn more\)](#)

- Allow users to remember multi-factor authentication on devices they trust  
 Days before a device must re-authenticate (1-60):

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
When User1 signs in to Device1 from the Seattle office on June 10, the user will be prompted for MFA.	<input type="radio"/>	<input type="radio"/>
When User2 signs in to Device2 from the Boston office on June 5, the user will be prompted for MFA.	<input type="radio"/>	<input type="radio"/>
When User1 signs in to to a new device from the Seattle office on June 7, the user will be prompted for MFA.	<input type="radio"/>	<input type="radio"/>

Solution:

Statements	Yes	No
When User1 signs in to Device1 from the Seattle office on June 10, the user will be prompted for MFA.	<input type="radio"/>	<input checked="" type="radio"/>
When User2 signs in to Device2 from the Boston office on June 5, the user will be prompted for MFA.	<input checked="" type="radio"/>	<input type="radio"/>
When User1 signs in to to a new device from the Seattle office on June 7, the user will be prompted for MFA.	<input checked="" type="radio"/>	<input type="radio"/>

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

**NEW QUESTION 20**

- (Exam Topic 4)

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

Name	Type
VM1	Virtual machine
VNET1	Virtual network
storage1	Storage account
Vault1	Key vault

You plan to enable Microsoft Defender for Cloud for the subscription. Which resources can be protected by using Microsoft Defender for Cloud?

- A. VM1, VNET1, and storage1 only
- B. VM1, storage1, and Vault1 only
- C. VM1.VNET1, storage1, and Vault1
- D. VM1 and storage1 only
- E. VM1 and VNET only

**Answer: C**

**NEW QUESTION 21**

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