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# SKILLCERTPRO

IT CERTIFICATION TRAININGS



Microsoft Azure / By SkillCertPro

## Practice Set 6

Your results are here!! for" Microsoft Azure AZ-305 Practice Test 6 "

49 of 75 questions answered correctly

Your time: 01:07:15

Your Final Score is : 49

You have attempted : 75

Number of Correct Questions : 49 and scored 49

Number of Incorrect Questions : 26 and Negative marks 0



You can review you

Important Note : Open Reference Docume

[Restart Test](#)

[View Answers](#)

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|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |

Answered  Review

## 1. Question

An organization named ACME has an on-premises data center environment from which they host several applications and their requirements:

- ACME1: this is a critical client-facing application that runs on-premises, however, this app must be able to failover within 10 minutes.
- ACME2: this application has a Recovery Point Objective of 25 minutes and Recovery Time Objective should be 1 hour.
- ACME3: the requirement is to store data for 2 years.

Which of the following solutions would you use for ACME1?

Azure Backup

Azure Site Recovery

GPv2 storage account

Azure SQL Database

Cosmos DB

### Correct

Azure Site Recovery is correct as this solution allows organizations to adopt a business continuity and disaster recovery strategy. Azure Backup is incorrect as this usually has an RPO of 1 day (24 hours). GPv2 storage accounts are used for failover events. Azure SQL Database and Cosmos DB are incorrect as Azure Site Recovery should be used.

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

## 2. Question

An organization named ACME has an on-premises data center environment from which they host several applications and their requirements:

- ACME1: this is a critical client-facing application that runs on-premises, however, this app must be able to failover within 10 minutes.
- ACME2: this application has a Recovery Point Objective of 25 minutes and Recovery Time Objective should be 1 hour.
- ACME3: the requirement is to store application data for 2 years and has a Recovery Point Objective of 1 day.

Which of the following solutions would you use for ACME3?

Azure Backup

Azure Site Recovery

- GPv2 storage account
- Azure SQL Database
- Cosmos DB

### Correct

Azure Backup is correct as this solution has the capability for data to be stored for days/months/years and has a long-term storage solution and also does not support the restoration of data at the granular level as Azure SQL Database are incorrect as the solution is running on-premises and specific storage is not mentioned, however, <https://docs.microsoft.com/en-us/azure/backup/backup-overview>

### 3. Question

An organization named ACME has an on-premises data center environment from which they host several applications and their requirements:

- ACME1: this is a critical client-facing application that runs on-premises, however, this app must be able to failover (RPO) of less than 20 minutes.
- ACME2: this application has a Recovery Point Objective (RPO) of 25 minutes and Recovery Time Objective (RTO) of 1 hour.
- ACME3: the requirement is to store application data for 2 years and has a Recovery Point Objective (RPO) of 1 day.

Which of the following solutions would you use for ACME2?

- Azure Backup
- Azure Site Recovery
- GPv2 storage account
- Azure SQL Database
- Cosmos DB

### Incorrect

Azure Site Recovery is correct as this solution allows organizations to adopt a business continuity and disaster recovery strategy for outages with very low RPO/RTO. Azure Backup is incorrect as this usually has an RPO of 1 day (24 hours). Azure Site Recovery leverages the Software Assurance contract they have in place with Microsoft. Azure SQL Database and Cosmos DB are incorrect as Azure Site Recovery <https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

### 4. Question

An organization named Fabrikam has an on-premises data center environment from which they host several applications and leverages the Software Assurance contract they have in place with Microsoft. They need to migrate the on-premises applications to the cloud. Fabrikam decides to deploy a SQL VM in Azure. Does this meet the requirement?

TRUE FALSE**Incorrect**

True is correct. You can deploy an Azure SQL VM and make use of the Bring-Your-Own-License (also known as BYOL). If you only pay for the VM costs, you will save on the SQL licensing costs.

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-server-instances#bring-your-own-license>

**5. Question**

An organization named Fabrikam has an on-premises data center environment from which they host several databases. They currently leverage the Software Assurance contract they have in place with Microsoft. They need to migrate the on-premises databases to Azure SQL. Fabrikam decides to migrate to Azure SQL on the DTU model. Does this meet the requirement?

 TRUE FALSE**Correct**

False is correct. Only Azure SQL vCore model supports making use of the hybrid benefit (Software Assurance DTU): <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-service-tiers-dtu>

**6. Question**

An organization named Fabrikam has an on-premises data center environment from which they host several databases. They currently leverage the Software Assurance contract they have in place with Microsoft. They need to migrate the on-premises databases to Azure SQL. Fabrikam decides to migrate to Azure SQL on the vCore model. Does this meet the requirement?

 TRUE FALSE**Correct**

True is correct. Unlike Azure SQL DTU model, the vCore model supports hybrid benefit. More info on Azure SQL vCore: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-service-tiers-vcore>

**7. Question**

An organization named Fabrikam has an on-premises data center environment from which they host several databases. They currently leverage the Software Assurance contract they have in place with Microsoft. They need to migrate the on-premises databases to Azure SQL. Fabrikam decides to migrate to an Azure SQL Managed Instance (MI). Does this meet the requirement?

TRUE FALSE**Incorrect**

True is correct. Azure SQL MI supports Azure Hybrid Benefit (AHB).

<https://azure.microsoft.com/en-us/services/sql-database/>

**8. Question**

An organization named Fabrikam has an on-premises data center environment from which they host several applications. They have a license agreement for Microsoft SQL Server Standard Edition. They leverage the Software Assurance contract they have in place with Microsoft. They need to migrate the on-premises database to Azure. They will use a VM in Azure.

Which of the following encryption technologies are supported in this scenario? Choose all that apply.

 DM Crypt BitLocker Always Encrypted Azure Key Vault**Incorrect**

Bit Locker is correct as this is used to encrypt the VM disks. Always Encrypted is correct as this is used to protect data at rest in databases. Azure Key Vault is incorrect as this is used to integrate the encryption keys and store and access them securely.

**9. Question**

As an architect, you have been tasked to identify the different key/value stores available in Azure. Choose all that apply.

 Azure SQL Database Azure Database for MySQL Azure Database for MariaDB Cosmos DB Azure Cache for Redis**Incorrect**

Azure Cache for Redis and Cosmos DB are examples of key/value stores. Azure SQL DB, MySQL, and MariaDB are relational databases.

## 10. Question

As an architect, you have been tasked to identify the different relational database management systems avail

Azure SQL Database

Azure Database for MySQL

Azure Database for MariaDB

Cosmos DB

Azure Cache for Redis

### Incorrect

Azure SQL DB, MySQL, and MariaDB are all relevant relational database systems in Azure. Cosmos DB and

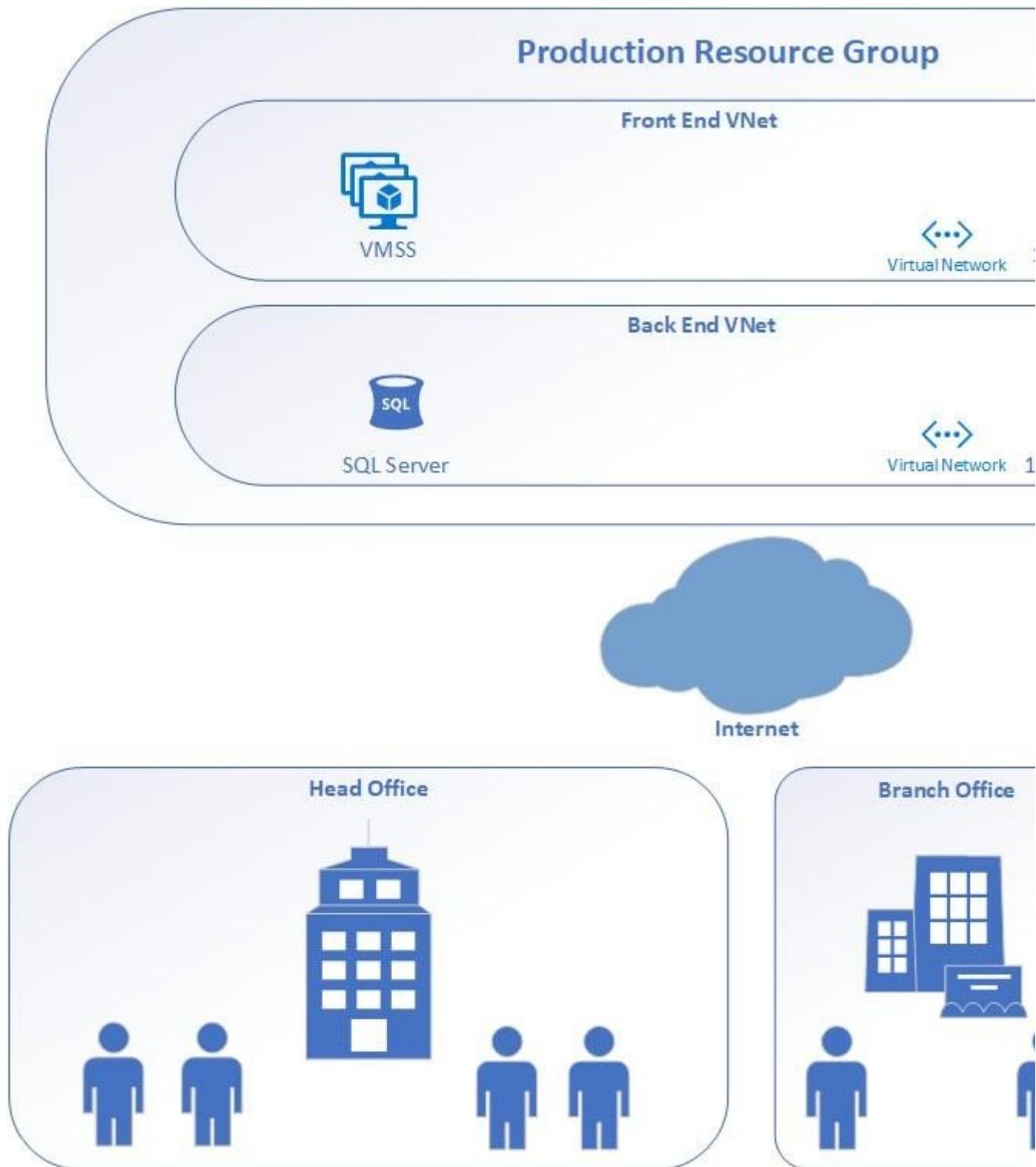
<https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/data-store-overview>

## 11. Question

Contoso inc. is a financial company that recently migrated some of their infrastructure from on-premises to A address space of 10.20.0.0/16. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the store data. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa

license assigned and MFA enforced.



Note: This question is part of a series of questions that present the same scenario. Each question in the series may have more than one correct answer; while others might not have a correct solution.

You need to configure the “Front End VNet” to communicate with the “Back End VNet” via a dedicated firewall.

Solution: You make use of custom route tables

Does this solution meet the goal?

TRUE

FALSE

**Correct**

True is correct, you can force all traffic through a Network Virtual Appliance (NVA) with custom rules by impli

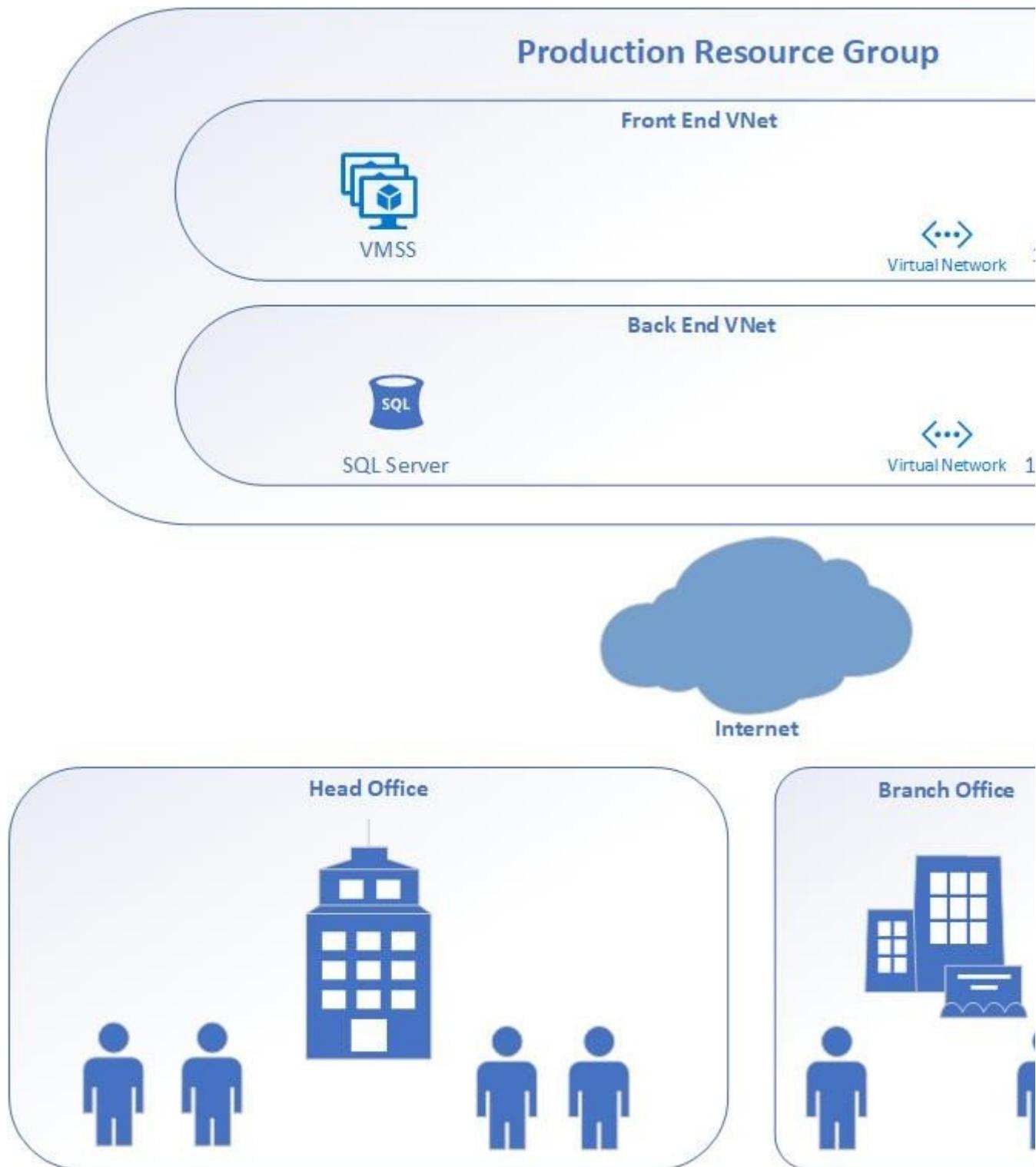
<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview#routing-example>

## 12. Question

Contoso inc. is a financial company that recently migrated some of their infrastructure from on-premises to A address space of 10.20.0.0/16. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the store data. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa

license assigned and MFA enforced.



Note: This question is part of a series of questions that present the same scenario. Each question in the series may have a correct solution, while others might not have a correct solution.

You need to configure the “Front End VNet” to communicate with the “Back End VNet” without having to create a new virtual network.

Solution: Configure Virtual Network Peering.

Does this solution meet the goal?

TRUE

FALSE

**Correct**

True is correct, VNet peering is used to connect 2 virtual networks in Azure without having to deploy additional hardware.

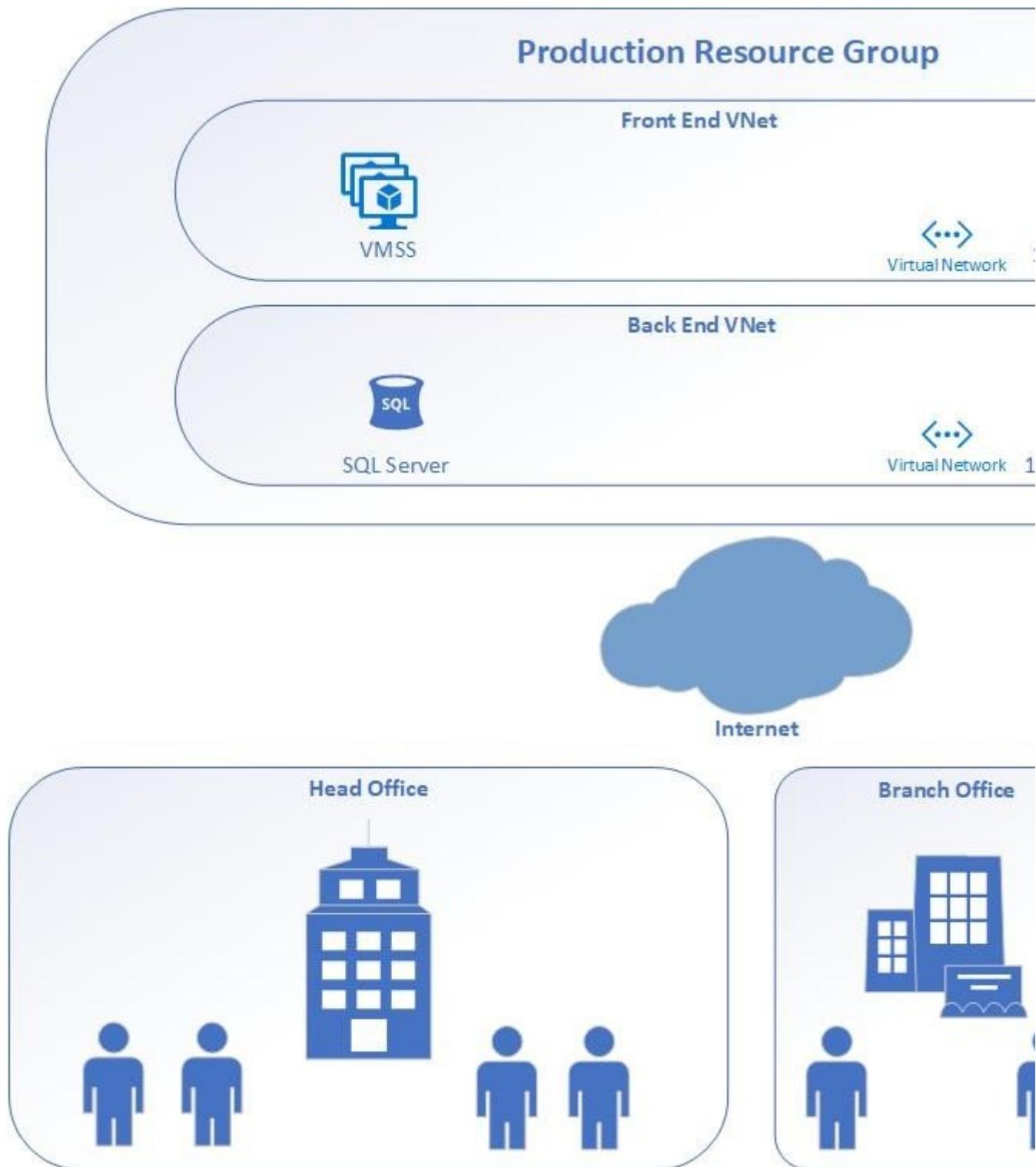
<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-peering-overview>

### 13. Question

Contoso inc. is a financial company that recently migrated some of their infrastructure from on-premises to A cloud provider. They have a head office in London with an employee headcount of 500, a branch office in South Africa with an employee headcount of 100, and a data center in the United States with an employee headcount of 200. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the web application. The “Data Center VNet” has a VMSS which runs the database. The “Branch Office VNet” has a VMSS which runs the file storage. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa with an employee headcount of 100, and a data center in the United States with an employee headcount of 200.

license assigned and MFA enforced.



Note: This question is part of a series of questions that present the same scenario. Each question in the series may have more than one correct answer, while others might not have a correct solution.

You need to configure access for the remote engineers to connect securely to the “Front End VNet”.

Solution: Deploy a Virtual Network Gateway and configure Site-to-Site access.

Does this solution meet the goal?

TRUE

FALSE

**Correct**

False is correct, you need to deploy a Virtual Network Gateway and configure Point-to-Site VPN as this will enable users need access to Azure resources and there are no VPN devices on-premises. P2S connections make use of a local computer's network connection to connect to Azure.

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-point-to-site-resource-manager-powershell>

Question 45: Skipped

Contoso inc. is a financial company that recently migrated some of their infrastructure from on-premises to Azure. A VNet has been created with an IP address space of 10.20.0.0/16. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the Front End VMs. The “Production VNet” has a VMSS which runs the Application VMs and a Storage Account which is used to store data. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa with 100 employees. All employees have a laptop and a smartphone. All devices have a P2 license assigned and MFA enforced.

Larger image

Note: This question is part of a series of questions that present the same scenario. Each question in the series may have different correct answers. You should refer to all the questions in the series to determine the correct answer. Some questions in the series may not have correct answers.

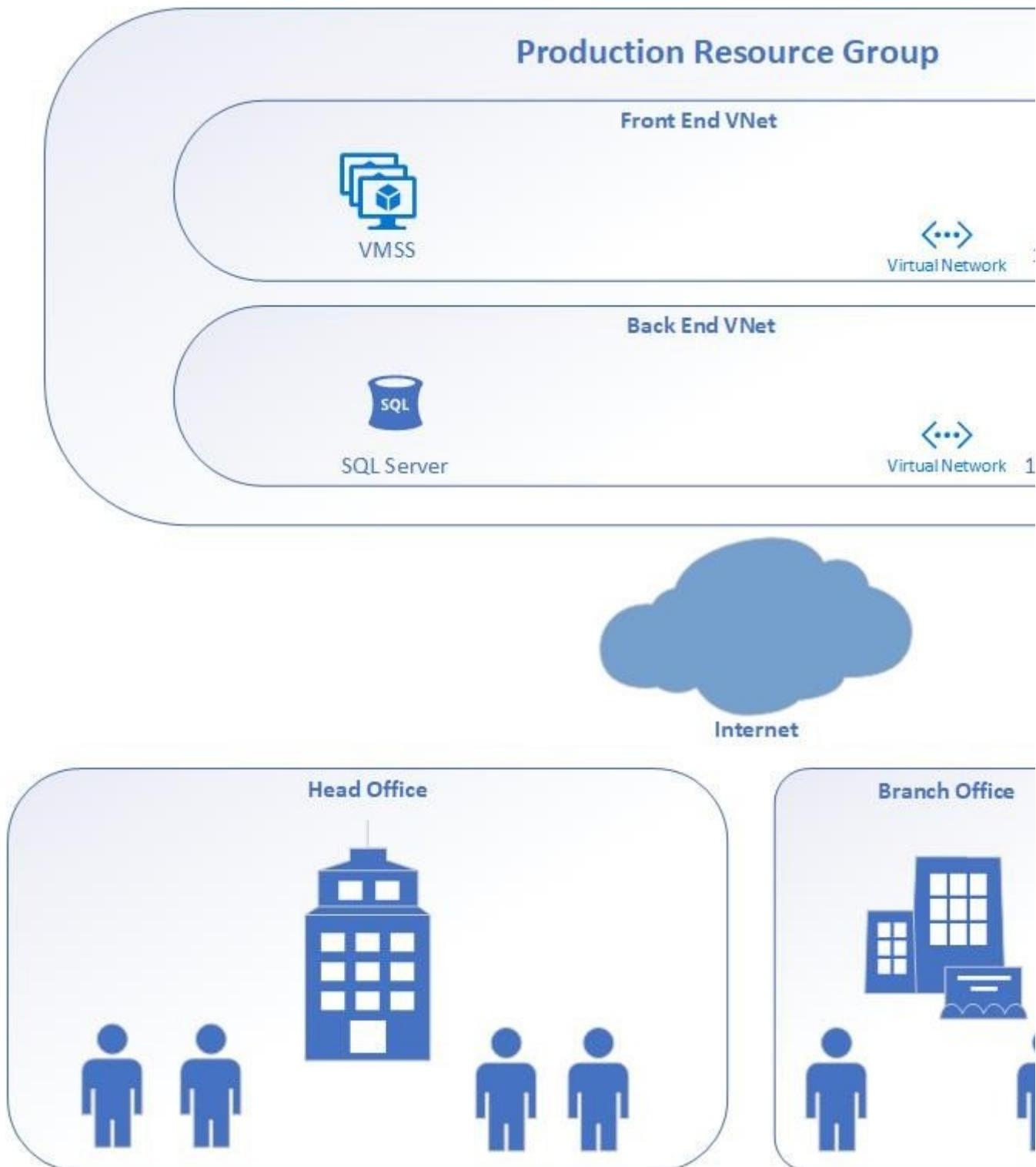
You need to create a new storage account labeled “Network-Storage” in the “Production” Resource Group. The storage account will be used by the Application VMs to store data.

Which storage service should you configure?

## 14. Question

Contoso inc. is a financial company that recently migrated some of their infrastructure from on-premises to Azure. A VNet has been created with an IP address space of 10.20.0.0/16. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the Front End VMs. The “Production VNet” has a VMSS which runs the Application VMs and a Storage Account which is used to store data. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa with 100 employees. All employees have a laptop and a smartphone. All devices have a P2 license assigned and MFA enforced.



Note: This question is part of a series of questions that present the same scenario. Each question in the series may have more than one correct answer, while others might not have a correct solution.

You need to create a new storage account labeled “Network-Storage” in the “Production” Resource Group. T  
Which storage service should you configure?

Table storage

File storage

Queue storage

Blob storage

**Correct**

File Storage is correct as this is used for file shares and supports SMB 3.0. Table storage will not work as this is incorrect as this is used for storing message queues. Blob storage is incorrect as this is used to store blob or a virtual disk.

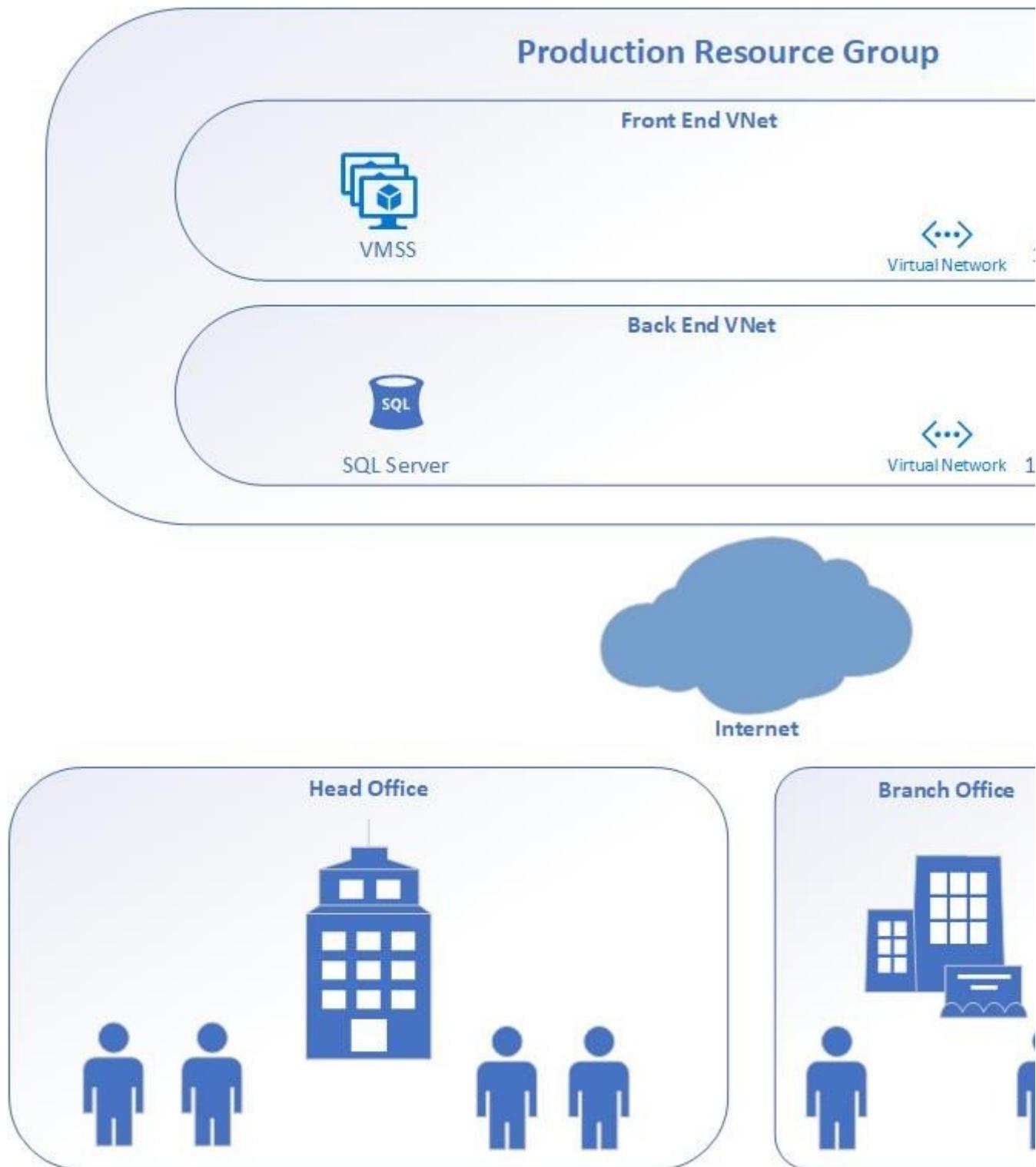
<https://azure.microsoft.com/en-us/services/storage/files/>

**15. Question**

Contoso inc. is a financial company that recently migrated some of their infrastructure from on-premises to Azure. They have an address space of 10.20.0.0/16. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the Frontend VMs. The “Backend VNet” has a VMSS which runs the Backend VMs. Both VMSS instances store data. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa with 100 employees, and a data center in the US with 200 employees.

license assigned and MFA enforced.



Note: This question is part of a series of questions that present the same scenario. Each question in the series may have more than one correct answer; while others might not have a correct solution.

You need to share access to the “Network-Storage” account with a third party for integration purposes. You must use the SAS key to do this. True or False: You can only make use of the HTTPS protocol when creating a SAS key.

TRUE

FALSE

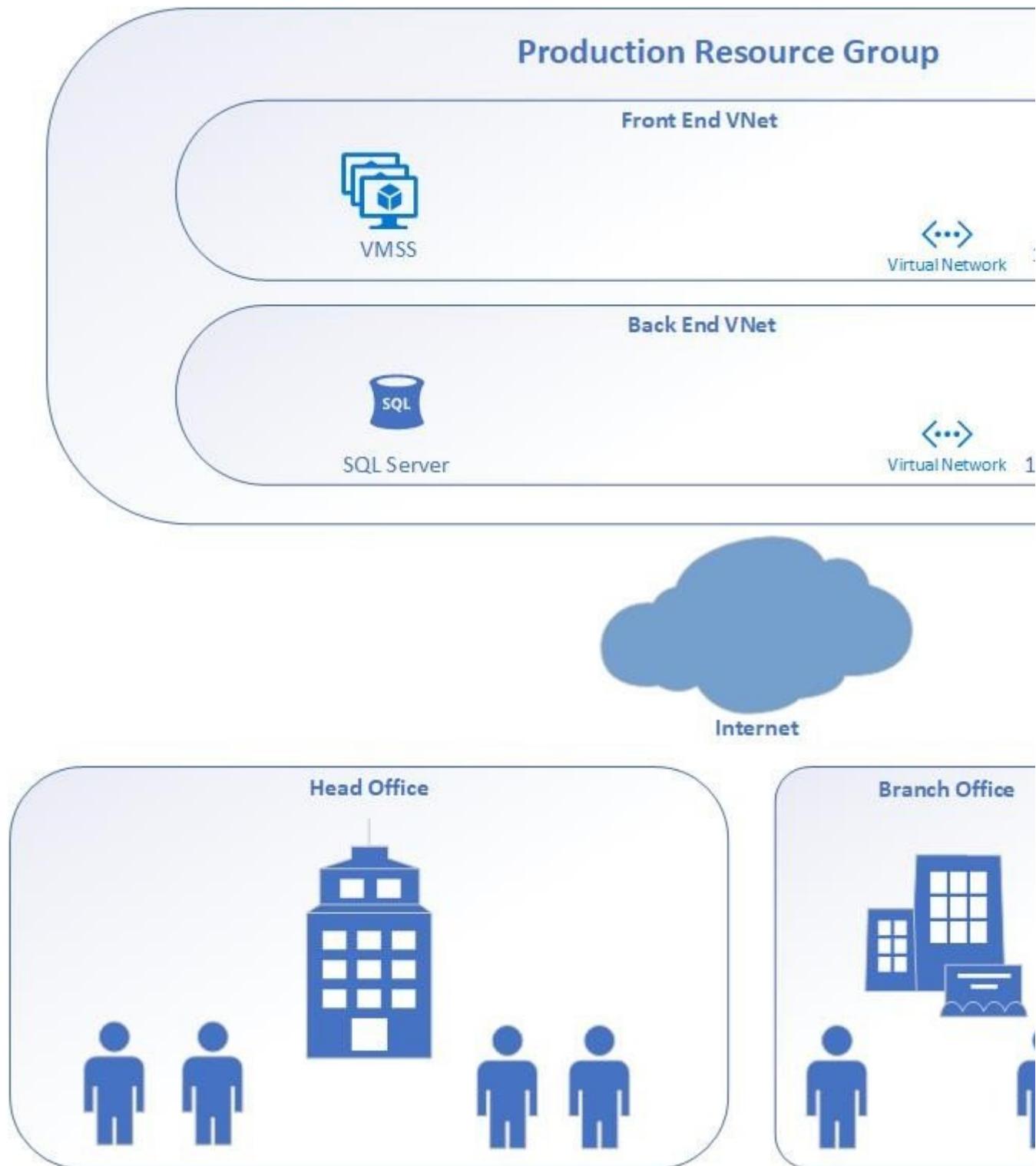
**Correct**

False is correct, you can create a SAS key by using the HTTP protocol as well, however, it is best practice to <https://docs.microsoft.com/en-us/azure/storage/common/storage-dotnet-shared-access-signature-part-1>

**16. Question**

Contoso inc. is a financial company that recently migrated some of their infrastructures from on-premises to a VNet. They have a main office in London with an employee headcount of 500, a branch office in South Africa with 100 employees, and a data center in the US with 200 employees. The “Front End VNet” has a Virtual Machine Scale Set (VMSS) which runs the Frontend VMs. The “Backend VNet” has a Storage Account which stores data. Refer to Figure 1 for an overview diagram.

Contoso inc. has a head office in London with an employee headcount of 500, a branch office in South Africa with 100 employees, and a data center in the US with 200 employees. All employees have a license assigned and MFA enforced.



Note: This question is part of a series of questions that present the same scenario. Each question in the series may have a unique correct answer while others might not have a correct answer.

You need to configure the “Front End VNet” to communicate with the “Back End VNet”.

Solution: You configure a Virtual Network Gateway.

Does this solution meet the goal?

TRUE

FALSE

**Incorrect**

True is correct, it is possible to make use of a Virtual Network Gateway to link the 2 virtual networks, this is <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-vnet-vnet-resource-manager-portal>

**17. Question**

Fabrikam has 3 branches in the following locations: New York, London, and Tokyo, each office has its on-premises E3 licenses assigned. Users authenticate to Microsoft cloud services like Exchange Online, however late operate in. You have been tasked to recommend a solution that will provide an additional layer of security for You recommend making use of Azure policies. Does this meet the requirement?

 TRUE FALSE**Correct**

Azure policy is incorrect. Azure policy is used to enforce different rules and effects our resources, for example

<https://docs.microsoft.com/en-us/azure/governance/policy/overview>

**18. Question**

Fabrikam has 3 branches in the following locations: New York, London, and Tokyo, each office has its on-premises E3 licenses assigned. Users authenticate to Microsoft cloud services like Exchange Online, however late operate in. You have been tasked to recommend a solution that will provide an additional layer of security for You recommend making use of Privileged Identity Management (Azure PIM). Does this meet the requirement?

 TRUE FALSE**Correct**

Azure Privileged Identity Management is incorrect, PIM is used to manage, control and monitor access to it due to the fact that Multi-Factor Authentication is required with conditional access policies to white-list the 3 originating from those branches.

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

**19. Question**

Fabrikam has 3 branches in the following locations: New York, London, and Tokyo, each office has its on-premises E3 licenses assigned. Users authenticate to Microsoft cloud services like Exchange Online, however late operate in. You have been tasked to recommend a solution that will provide an additional layer of security for You recommend making use of Conditional Access Policies. Does this meet the requirement?

TRUE FALSE**Correct**

Conditional Access Policies are correct, you can configure who requires MFA authentication based on the location. If users sign in from these locations MFA will be applied automatically.

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

**20. Question**

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

Requirement 1: App2\_Test users should only be able to fully manage the solution including the permission to:

Requirement 2: App3\_B2B users should only be able to view resources in the subscription

Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to:

Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access control manager

Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to minimize risk

Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control manager

Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VMs

Which of the following RBAC roles should you assign for requirement 1?

 Global administrator role Owner role Contributor role Reader role**Incorrect**

The Owner role is correct, this allows full administrator permissions and also grants permission to add additional users to the subscription level. Contributor role is incorrect as this permission will grant full administrator permission, however, the permission is, read-only.

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

**21. Question**

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

Requirement 1: App2\_Test users should only be able to fully manage the solution including the permission to:

Requirement 2: App3\_B2B users should only be able to view resources in the subscription

Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to:

Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access control manager

Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to minimize risk

Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control manager

Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VMs

Which of the following RBAC roles should you assign for requirement 2?

- Global administrator role
- Owner role
- Contributor role
- Reader role

### Correct

Reader role is correct as this is exactly what the permission is, read-only across the subscription. The owner role is incorrect as this is a tenant wide permission and cannot be assigned to a specific user. Global administrator is incorrect as this is a tenant wide permission and cannot be assigned to a specific user. However, it will not allow you to grant access to resources for other users. <https://docs.microsoft.com/en-us/>

## 22. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

Requirement 1: App2\_Test users should only be able to fully manage the solution including the permission to:

Requirement 2: App3\_B2B users should only be able to view resources in the subscription

Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to:

Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access control manager

Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to minimize risk

Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control manager

Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VM

Which of the following RBAC roles should you assign for requirement 3?

- Global administrator role
- Owner role
- Contributor role
- Reader role

### Correct

Contributor role is correct as this permission will grant full administrator permission, however, it will not allow full control across the subscription. Owner role is incorrect, this allows full administrator permissions and also grants permission and cannot be used at the subscription level. <https://docs.microsoft.com/en-us/azure/role-based-access-control/permissions-in-azure-rbac#subscription-level-permissions>

## 23. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

Requirement 1: App2\_Test users should only be able to fully manage the solution including the permission to

Requirement 2: App3\_B2B users should only be able to view resources in the subscription

Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to

Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access contro

Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to min

Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control manager

Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VM

Which of the following solutions should be used for requirement 4?

- Azure Privileged Identity Management (PIM)
- Azure Identity Protection
- Azure Active Directory Domain Services (AADDS)
- RBAC at the Subscription level
- Create a custom RBAC role

**Correct**

Azure PIM is correct, this is a privileged access management solution that works at the Azure AD identity level. It is incorrect as this is a managed active directory in Azure which enables you to make use of Kerberos and LDAP. It is not used for permission assignment to resources within a subscription. Creating a custom RBAC role is insufficient.

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

**24. Question**

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

Requirement 1: App2\_Test users should only be able to fully manage the solution including the permission to:

Requirement 2: App3\_B2B users should only be able to view resources in the subscription

Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to:

Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access control manager

Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to minimize risk

Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control manager

Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VMs

Which of the following solutions should be used for requirement 5?

Azure Privileged Identity Management (PIM)

Azure Identity Protection

Azure Active Directory Domain Services (AADDS)

RBAC at the Subscription level

Create a custom RBAC role

**Incorrect**

Answer: Azure PIM is correct, this is a privileged access management solution that works at the Azure AD identity level. It is incorrect as this is a managed active directory in Azure which enables you to make use of Kerberos and LDAP. It is not used to show risky users and risky sign-ins. AADDS is incorrect as this is a managed active directory in Azure which will still be statically assigned and do not have the ability to do access reviews. Creating a custom RBAC role is insufficient.

<https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-resource-roles-s>

## 25. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

Requirement 1: App2\_Test users should only be able to fully manage the solution including the permission to:

Requirement 2: App3\_B2B users should only be able to view resources in the subscription

Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to:

Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access control

Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to minimize risk

Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control management

Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VMs

Which of the following solutions should be used for requirement 6?

Azure Privileged Identity Management (PIM)

Azure Identity Protection

Azure Active Directory Domain Services (AADDS)

RBAC at the Subscription level

Create a custom RBAC role

### Incorrect

Azure PIM is correct, this is a privileged access management solution that works at the Azure AD identity level.

Azure Identity Protection is incorrect as this is a managed active directory in Azure which enables you to make use of Kerberos and LDAP.

Azure Active Directory Domain Services (AADDS) is incorrect as this is used to create specific permissions based on requirements in the event that the business unit needs to manage/pim-configure

## 26. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to three subscriptions:

- App1\_Production which is managed by the development team
- App2\_Test which is managed by the administrator team
- App3\_B2B which is managed by a 3rd party

Fabrikam needs to assign role-based access control to these subscriptions based on the following requirements:

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Requirement 2: App3\_B2B users should only be able to view resources in the subscription

- Requirement 3: App1\_Production users should be able to fully manage the solution but should not be able to
- Requirement 4: Decrease the amount of statically assigned Global Administrators by means of access contro
- Requirement 5: Ensure users assigned RBAC permission to resources are reviewed on a regular basis to min
- Requirement 6: Decrease the amount of statically assigned RBAC users by means of access control manager
- Requirement 7: Allow only a specific 3rd party user to start and reboot virtual machines, but not shutdown VI

Which of the following solutions should be used for requirement 7?

- Azure Privileged Identity Management (PIM)
- Azure Identity Protection
- Azure Active Directory Domain Services (AADDS)
- RBAC at the Subscription level
- Create a custom RBAC role

#### Correct

Creating a custom RBAC role is correct as this is used to create specific permissions based on requirements solution that works at the Azure AD identity level as well as the resources level. Identity Protection is incorrect which enables you to make use of Kerberos and LDAP. RBAC at the subscription level is incorrect as this will us/azure/active-directory/privileged-identity-management/pim-configure

## 27. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assign

- APAC subscription
- West Europe subscription
- US Subscription

You need to control where resources can be deployed to with regards to a specific region. Which of the follow

- Azure RBAC
- Usage and quotas
- Azure Policy
- Azure Monitor
- Azure Privileged Identity Management (Azure PIM)

#### Correct

Azure policy is correct, this can be used to create restrictions for deployments to limit the creation of resources this can be done on the resource, resource group, and subscription level. Usage and quotas are incorrect as

to be increased if needed by logging a call with MS support. Azure Monitor is incorrect as this tool is used to monitor access to resources. Azure Privileged Identity Management is incorrect as this is used to manage, control and monitor access to resources. <https://docs.microsoft.com/en-us/azure/governance/policy/samples/allowed-locations>

## 28. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to them.

- APAC subscription
- West Europe subscription
- US Subscription

You have been tasked to reduce the number of permanently assigned global administrators and also implement a solution to achieve this. Which of the following solutions can be used to achieve this?

- Azure RBAC
- Usage and quotas
- Azure Policy
- Azure Monitor
- Azure Privileged Identity Management (Azure PIM)

### Correct

Azure Privileged Identity Management is correct as this is used to manage, control and monitor access to identities and resources. It can be used to manage, control and monitor access to identities and resources already deployed resources, this can be done on the resource, resource group, and subscription level. Usage and quotas are incorrect as this is used to manage usage and quotas. Azure Policy is incorrect as this is used to create restrictions for access to resources. Azure Monitor is incorrect as this is used to monitor and create alerts. <https://docs.microsoft.com/en-us/azure/active-directory/privileged-identity-management/pim-configure>

## 29. Question

Fabrikam is a cloud-only organization with 500 users all working remotely with 15 global administrators assigned to them.

- APAC subscription
- West Europe subscription
- US Subscription

Within the APAC subscription, there are several resources. You have been tasked to deploy a solution to create a new resource.

- Azure RBAC
- Usage and quotas
- Azure Policy
- Azure Monitor

Azure Privileged Identity Management (Azure PIM)**Correct**

Azure Monitor is correct as this tool is used to maximize availability and performance of services and applications. This is used to manage, control and monitor access to important roles and resource within your Azure tenant at the resource, resource group, and subscription level. Usage and quotas are incorrect as this is used to view the usage needed by logging a call with MS support. Azure policy is incorrect as this is used to create restrictions for deployment. <https://docs.microsoft.com/en-us/azure/azure-monitor/overview>

**30. Question**

The ACME Corporation is looking to deploy the following components in their Azure subscription.

- Azure Application Gateway
- Azure Virtual Machine Scale Set
- Single instance Virtual Machine

They have an SLA availability requirement of 99.95% for each component.



- Application Gateway
- SKU – Standard v2
- Instances – 1
- Capacity type- Manual



- Virtual Machine
- OS: Windows Server 2016 Data Center
- Instance count - 1
- Autoscale – Enabled
- Premium Storage



- Virtual Machine Scale Set
- OS: Windows Server 2016 Data Center
- Instance count - 2
- Autoscale – Enabled
- Standard Storage
- 2 Fault domains

Based on the information provided for the application gateway, will this component meet the SLA requirement?

Yes

No

Incorrect

No is correct, if you want to have a 99.95% SLA for Application Gateways, you need a minimum of 2 instances.

31. Question

The ACME Corporation is looking to deploy the following components in their Azure subscription.

- Azure Application Gateway
- Azure Virtual Machine Scale Set
- Single instance Virtual Machine

They have an SLA availability requirement of 99.95% for each component.



- Application Gateway
- SKU – Standard v2
- Instances – 1
- Capacity type- Manual



- Virtual Machine
- OS: Windows Server 2016 Data Center
- Instance count - 1
- Autoscale – Enabled
- Premium Storage



- Virtual Machine Scale Set
- OS: Windows Server 2016 Data Center
- Instance count - 2
- Autoscale – Enabled
- Standard Storage
- 2 Fault domains

Based on the information provided for the virtual machine instance, will this component meet the SLA requirement?

Yes

No

Correct

No is correct. Single instance VMs in Azure with premium disks have an SLA of 99.9% and not 99.95%. <https://www.microsoft.com/en-us/trustcenter/compliance/azuresla.aspx>

## 32. Question

The ACME Corporation is looking to deploy the following components in their Azure subscription.

- Azure Application Gateway
- Azure Virtual Machine Scale Set
- Single instance Virtual Machine

They have an SLA availability requirement of 99.95% for each component.



- Application Gateway
- SKU – Standard v2
- Instances – 1
- Capacity type- Manual



- Virtual Machine
- OS: Windows Server 2016 Data Center
- Instance count - 1
- Autoscale – Enabled
- Premium Storage



- Virtual Machine Scale Set
- OS: Windows Server 2016 Data Center
- Instance count - 2
- Autoscale – Enabled
- Standard Storage
- 2 Fault domains

Based on the information provided for the virtual machine scale set, will this component meet the SLA requir

Yes

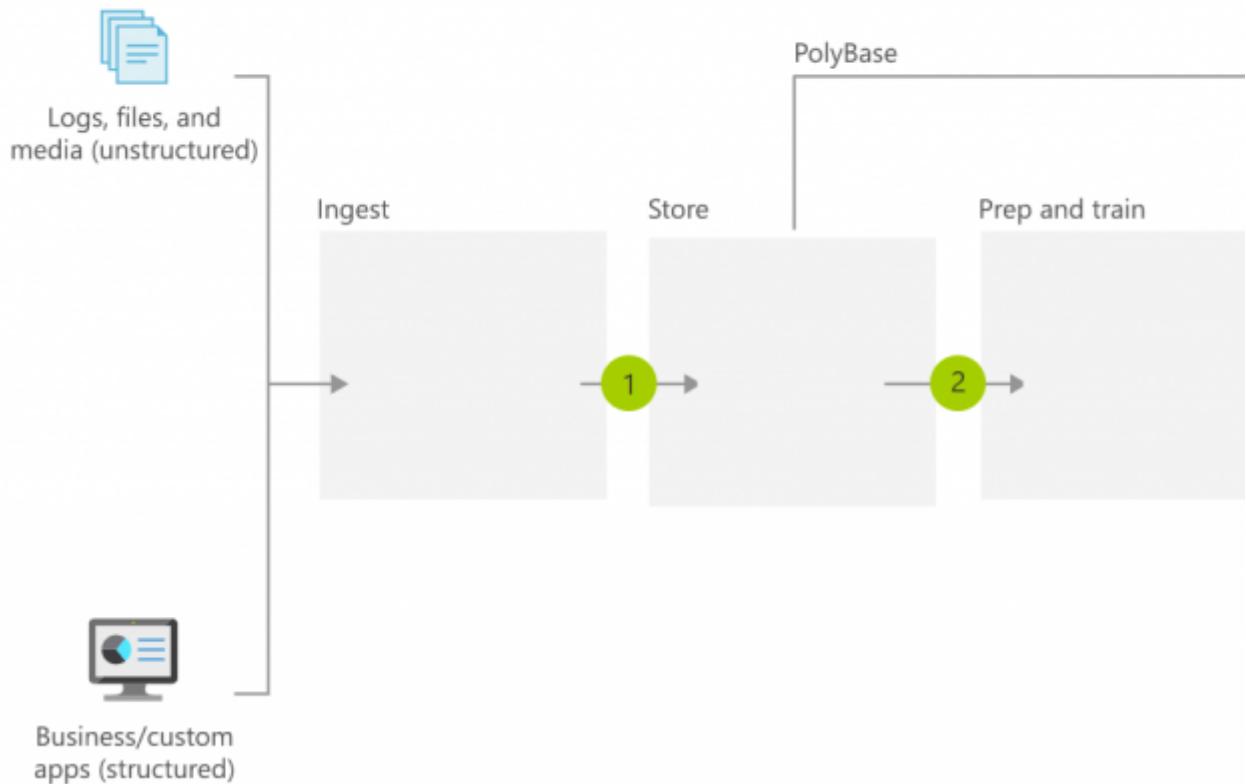
No

**Incorrect**

Yes is correct. Even though the virtual machine scale set service itself is not bound to an official SLA, the virtual machine solution eligible for a 99.95% SLA. [https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1\\_8/](https://azure.microsoft.com/en-us/support/legal/sla/virtual-machines/v1_8/)

**33. Question**

The ACME Group has approached you as an architect to design a modern data warehouse solution. You have



Which of the following components can be used for the preparing and training data component?

- Azure Key Vault
- Azure Data Lake Storage
- Azure Data Factory
- Azure Analysis Services
- Azure Databricks

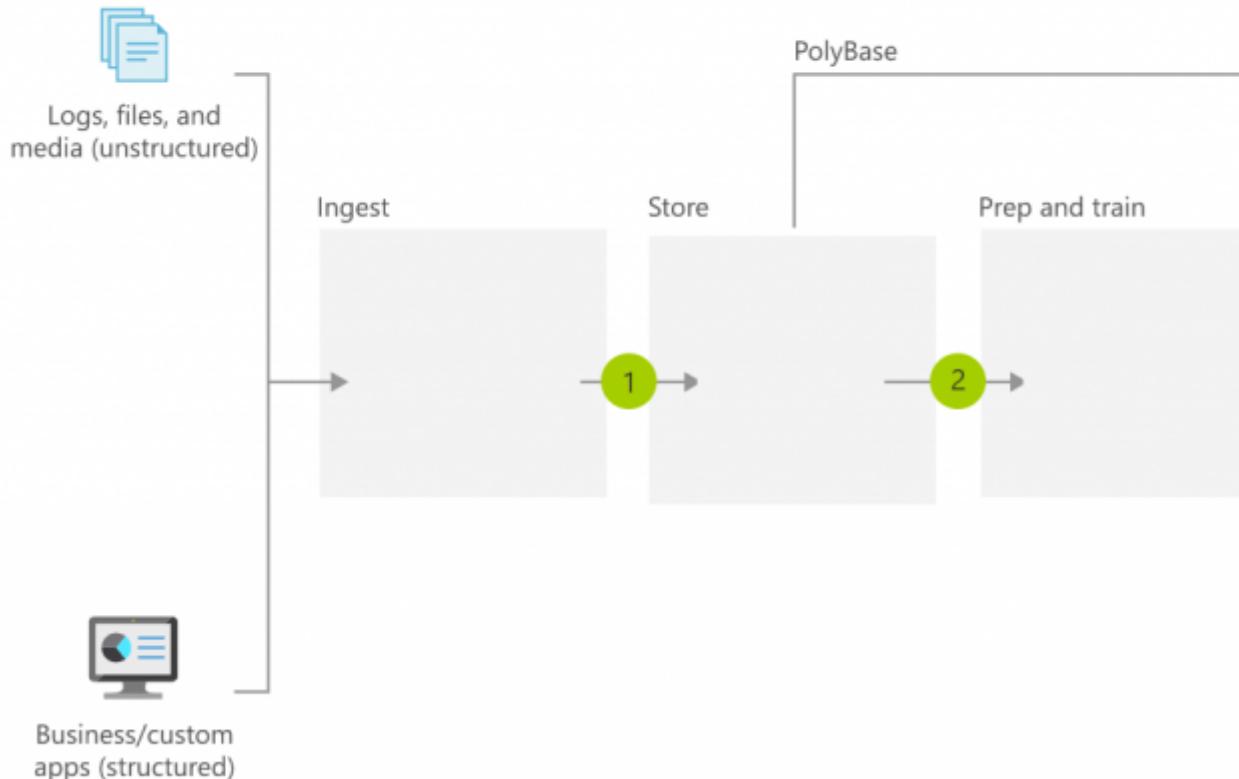
**Incorrect**

Azure Databricks is correct as this grants the ability to provide on-click streamlined workflows to prepare and train data. Azure Analysis Services is incorrect as this is used as a highly scalable and cost-effective data lake (storage) solution for big data analyti

extract, transform and load (ELT) workloads. Analysis services are incorrect as this is an enterprise-grade analysis service, basically a PaaS solution that provides enterprise-grade data models in the cloud. <https://azure.microsoft.com/en-in/solutions/architecture/modern-data-warehouse/>

### 34. Question

The ACME Group has approached you as an architect to design a modern data warehouse solution. You have



Which of the following components can be used for the ingestion component?

- Azure Key Vault
- Azure Data Lake Storage
- Azure Data Factory
- Azure Analysis Services
- Azure Databricks

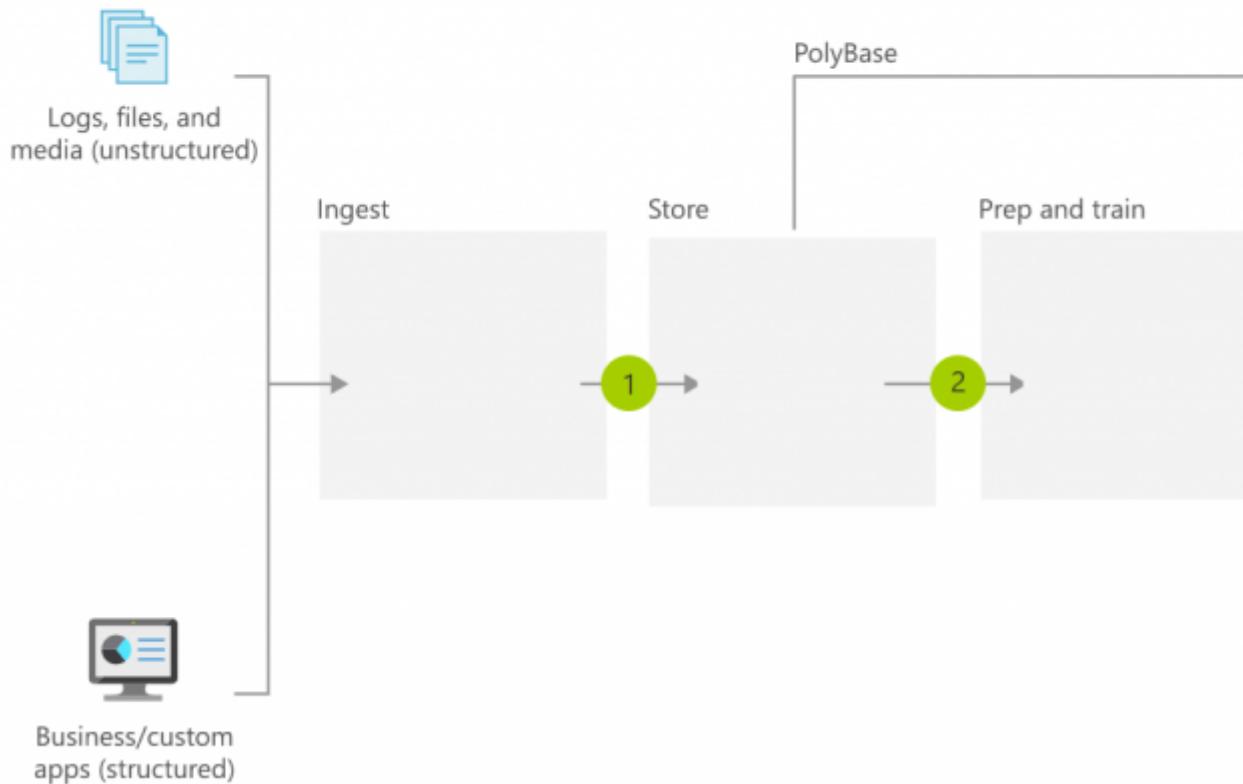
#### Correct

Azure Data Factory is correct as this is used for data integration that allows you to create, schedule and orchestrate streamlined workflows to prepare and train data. Azure Key Vault is incorrect as this is used to store secrets (storage) solution for big data analytics. Analysis services are incorrect as this is an enterprise-grade analytics service, basically a PaaS solution that provides enterprise-grade data models in the cloud.

<https://azure.microsoft.com/en-in/solutions/architecture/modern-data-warehouse/>

### 35. Question

The ACME Group has approached you as an architect to design a modern data warehouse solution. You have



Which of the following components can be used for the Storage component?

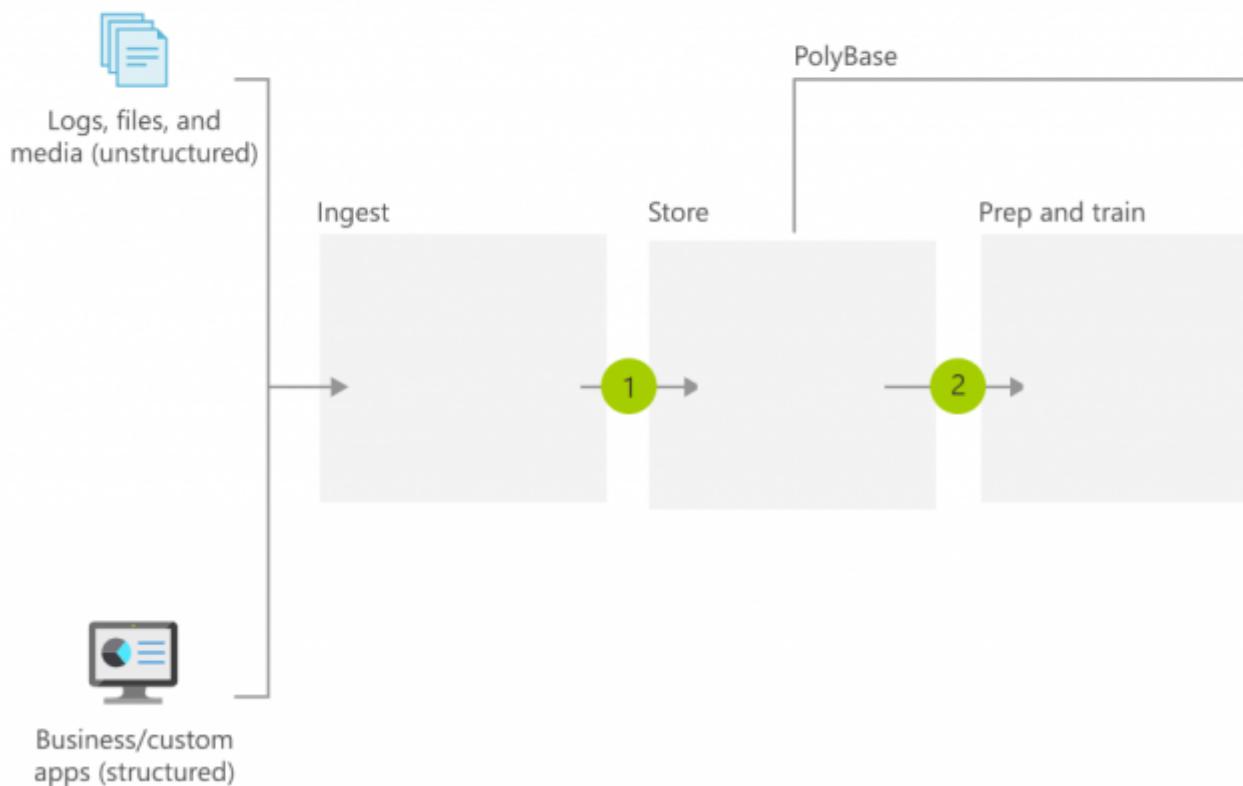
- Azure Key Vault
- Azure Data Lake Storage
- Azure Data Factory
- Azure Analysis Services
- Azure Databricks

**Correct**

Azure Data lake storage is correct as this is a highly scalable and cost-effective data lake (storage) solution for prepare and train data. Azure Key Vault is incorrect as this is used to store secrets and certificates securely. Azure Data Factory is incorrect as this is a serverless data integration service for transform and load (ELT) workloads. Analysis services are incorrect as this is an enterprise-grade analytics as a service basically a PaaS solution that provides enterprise-grade data models in the cloud. <https://azure.microsoft.com/>

### 36. Question

The ACME Group has approached you as an architect to design a modern data warehouse solution. You have



Which of the following components can be used for the advanced data modeling features component?

- Azure Key Vault
- Azure Data Lake Storage
- Azure Data Factory
- Azure Analysis Services**
- Azure Databricks

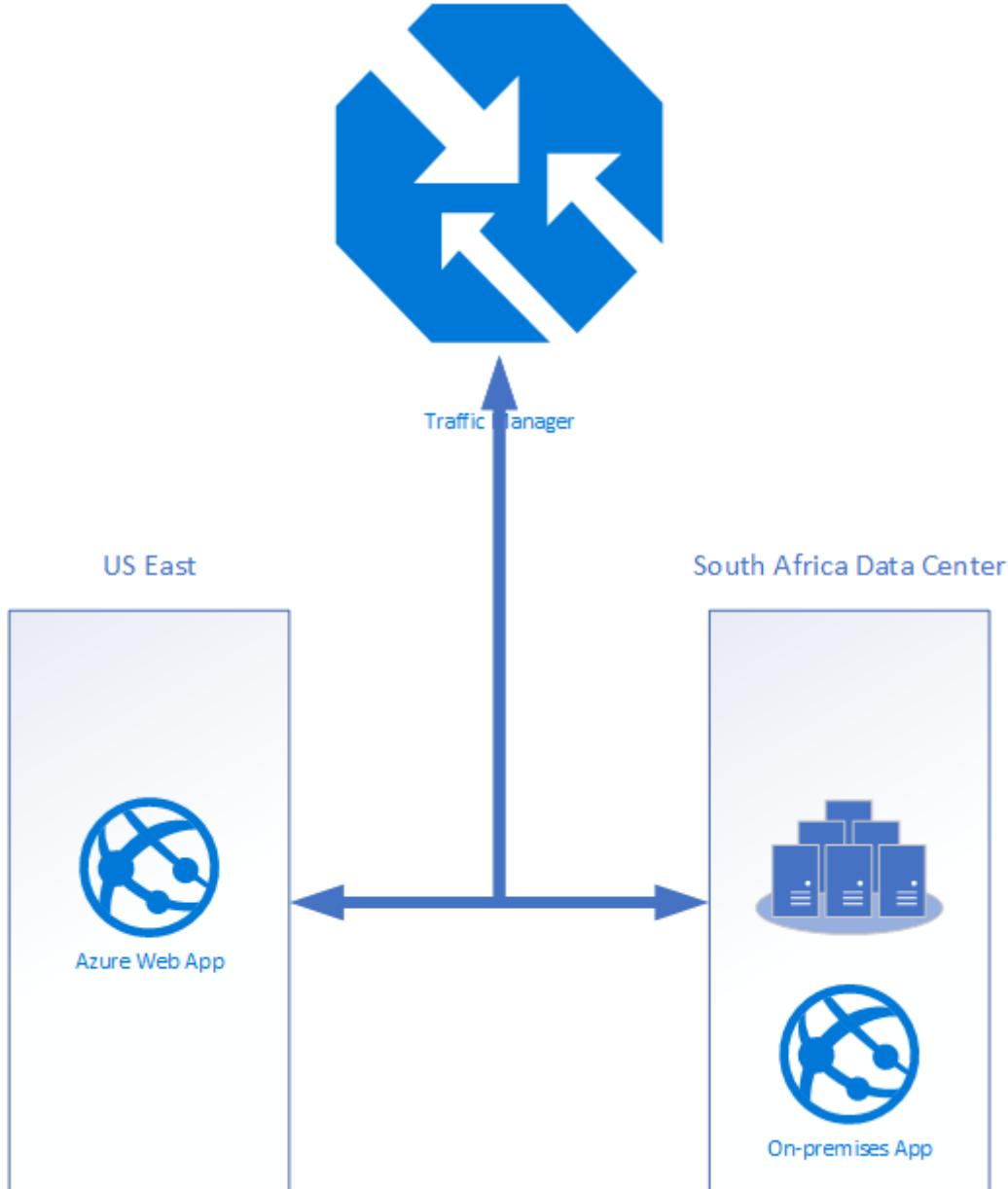
#### Incorrect

Analysis services is correct as this is an enterprise-grade analytics as a service that lets you govern, deploy, t enterprise-grade data models in the cloud. Azure Databricks is incorrect as this grants the ability to provide o certificates securely. Azure Data Lake Storage is incorrect as this is used as a highly scalable and cost-effecti allows you to create, schedule and orchestrate extract, transform and load (ELT) workloads. <https://azure.mi>

#### 37. Question

The ACME group has started to adopt Azure as their cloud platform of choice. ACME is a fashion retailer with another instance of this application to Azure as a Web App. ACME has chosen to make use of Azure Traffic M

ACME has a requirement that all traffic should be directed to the Azure Web App first and route to the South



TRUE or FALSE: The Web App will be available without manual intervention if the Azure region fails.

TRUE

FALSE

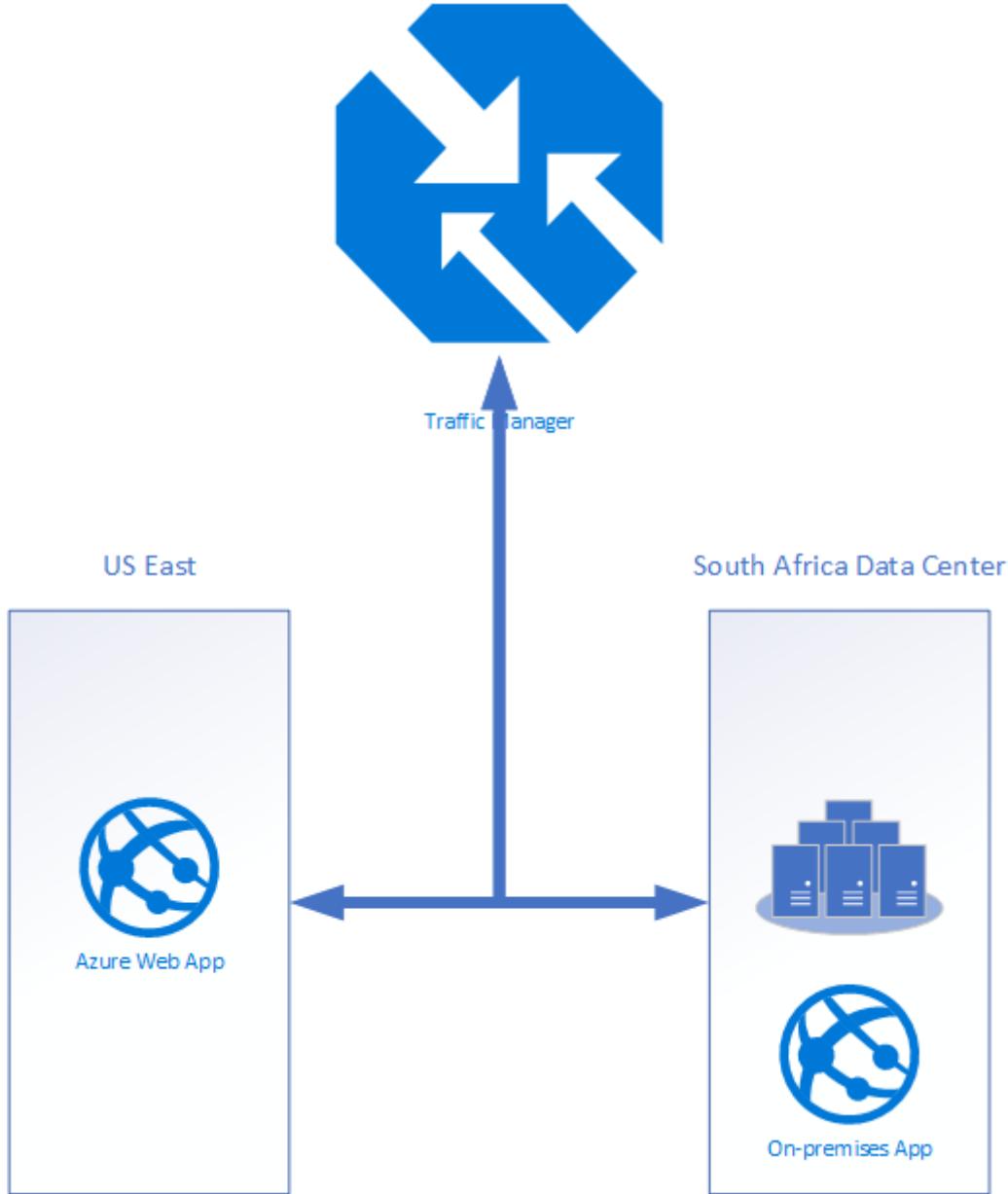
**Correct**

True is correct as you can configure a prioritized list of endpoints which in this case would be the Azure region manager-routing-methods#priority

### 38. Question

The ACME group has started to adopt Azure as their cloud platform of choice. ACME is a fashion retailer with another instance of this application to Azure as a Web App. ACME has chosen to make use of Azure Traffic M

ACME has a requirement that all traffic should be directed to the Azure Web App first and route to the South



TRUE or FALSE: This design caters for dynamic scaling of the web app in Azure?

TRUE

FALSE

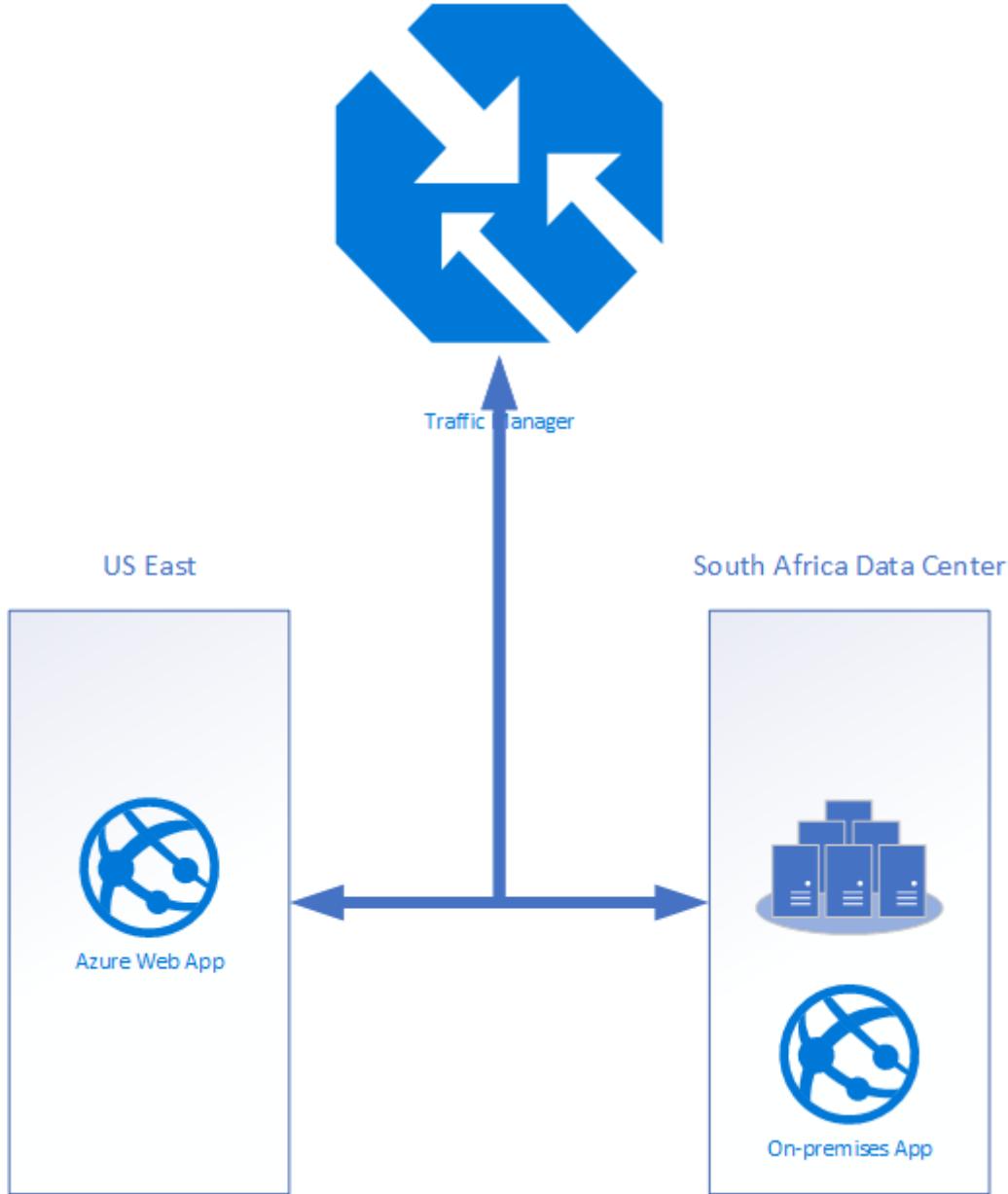
Incorrect

True is correct as Azure App Service supports automatic scaling, both vertical and horizontal scaling. <https://>

### 39. Question

The ACME group has started to adopt Azure as their cloud platform of choice. ACME is a fashion retailer with another instance of this application to Azure as a Web App. ACME has chosen to make use of Azure Traffic M

ACME has a requirement that all traffic should be directed to the Azure Web App first and route to the South



TRUE or FALSE: This design caters to dynamic scaling of the South African data center application?

TRUE

FALSE

Correct

False is correct, the current design cannot autoscale based on the Azure components, this is an on-premises

#### 40. Question

The ACME Group is in the process of moving some of its on-premises resources to Azure. They are planning

- 3 virtual machines which host 3 production applications, these hosts run on Windows server 2016 datacenter
- IIS webserver to Azure web app

Below are the requirements:

Requirement 1: Build monitoring dashboards with relevant metrics for VMs

Requirement 2: Create relevant alerts for VMs as well as Azure web app

Requirement 3: Have insights to performance issues for Azure web apps

Requirement 4: Configure alerts for current and upcoming issues such as planned maintenance of the Azure |

Which of the following solutions would be best suited to address requirement 1?

Azure Application Insights

**Azure Monitor**

Azure Service health

Azure Network Watcher

### Correct

Azure Monitor is correct as this is tool has the capability to create dashboards for resources based on metric as this is used to alert relevant system owners about service degradation for Azure services. Azure Network verify and VPN troubleshooting.

<https://docs.microsoft.com/en-us/azure/azure-monitor/overview>

## 41. Question

The ACME Group is in the process of moving some of its on-premises resources to Azure. They are planning

- 3 virtual machines which host 3 production applications, these hosts run on Windows server 2016 datacenter
- IIS webserver to Azure web app

Below are the requirements:

Requirement 1: Build monitoring dashboards with relevant metrics for VMs

Requirement 2: Create relevant alerts for VMs as well as Azure web app

Requirement 3: Have insights to performance issues for Azure web apps

Requirement 4: Configure alerts for current and upcoming issues such as planned maintenance of the Azure |

Which of the following solutions would be best suited to address requirement 2?

Azure Application Insights

**Azure Monitor**

Azure Service health

Azure Network Watcher

### Correct

Azure Monitor is correct as this tool has the capability to create alerts for resources based on the specified metrics. Azure Service Health is incorrect as this is used to alert relevant system owners about service degradation for Azure services. Azure Network Watcher includes IP flow verify and VPN troubleshooting.

<https://docs.microsoft.com/en-us/azure/azure-monitor/overview>

## 42. Question

The ACME Group is in the process of moving some of its on-premises resources to Azure. They are planning:

- 3 virtual machines which host 3 production applications, these hosts run on Windows server 2016 datacenter
- IIS webserver to Azure web app

Below are the requirements:

Requirement 1: Build monitoring dashboards with relevant metrics for VMs

Requirement 2: Create relevant alerts for VMs as well as Azure web app

Requirement 3: Have insights to performance issues for Azure web apps

Requirement 4: Configure alerts for current and upcoming issues such as planned maintenance of the Azure infrastructure

Which of the following solutions would be best suited to address requirement 3?

Azure Application Insights

Azure Monitor

Azure Service health

Azure Network Watcher

### Correct

Azure App Insights is correct as this can be used to easily monitor your web application for availability, performance, and other specified metrics. Azure service health is incorrect as this is used to alert relevant system owners about service degradation at the routing level, some of these services include IP flow verify and VPN troubleshooting.

<https://docs.microsoft.com/en-us/azure/azure-monitor/learn/dotnetcore-quick-start>

## 43. Question

The ACME Group is in the process of moving some of its on-premises resources to Azure. They are planning:

- 3 virtual machines which host 3 production applications, these hosts run on Windows server 2016 datacenter
- IIS webserver to Azure web app

Below are the requirements:

Requirement 1: Build monitoring dashboards with relevant metrics for VMs

Requirement 2: Create relevant alerts for VMs as well as Azure web app

Requirement 3: Have insights to performance issues for Azure web apps

Requirement 4: Configure alerts for current and upcoming issues such as planned maintenance of the Azure infrastructure

Which of the following solutions would be best suited to address requirement 4?

Azure Application Insights

Azure Monitor

Azure Service health

Azure Network Watcher

### Correct

Azure Service Health is correct as this is used to alert relevant system owners about service degradation for monitor your web application for availability, performance, and usage. Azure Monitor is incorrect as this is to Network watcher is incorrect as this tool is used to troubleshoot connectivity on a routing level, some of the <https://docs.microsoft.com/en-us/azure/service-health/overview>

### 44. Question

The Contoso airline group has a web application that has been deployed across 2 virtual machines in two different regions for load-balancing purposes at the application layer. Which of the following solutions will suffice?

Azure Traffic Manager

Azure Application Gateway

Azure Internal Load Balancer

Azure Public Load Balancer

### Correct

Azure Application Gateway is correct as this solution allows routing of traffic based on incoming URLs (i.e. you can route traffic to different VMs based on URL). Azure Traffic Manager is incorrect as this is used to redirect DNS-based traffic. Both Internal and external load balancer is incorrect as they are used for load balancing at the network layer, which is the application layer. <https://docs.microsoft.com/en-us/azure/application-gateway/overview>

### 45. Question

The Contoso airline group has a web application that has been deployed across 2 virtual machines in two different regions for load-balancing purposes at the application layer. You need to protect the web app from cross-site scripting (XSS) attacks.

Azure Traffic Manager

Azure Application Gateway

Azure Internal Load Balancer

Azure Public Load Balancer

**Correct**

Azure Application Gateway is correct as this solution allows routing of traffic based on incoming URLs and a used to redirect DNS-based traffic. Internal and external load balancer is incorrect as this operates at layer 4 also protect from SQL attack and cross-site scripting attacks which Azure load balancer does not support at I

**46. Question**

The Contoso company has a requirement for VM backup retention as per regulatory compliance. Regulatory c  
**DefaultPolicy**

Associated items    Delete    Save    Discard

**Backup schedule**

Frequency \*                      Time \*                      Timezone \*

Daily                              9:00 PM                      (UTC+02:00) Harare, Pretoria

**Instant Restore** ⓘ

Retain instant recovery snapshot(s) for

2 Day(s) ⓘ

**Retention range**

Retention of daily backup point.

At \*                              For

9:00 PM                              25 Day(s)

Retention of weekly backup point.

On \*                              At \*                              For

Sunday                              9:00 PM                      12 Week(s)

Retention of monthly backup point.

**Week Based**    Day Based

On \*                              Day \*                              At \*                              For

First                              Monday                              9:00 PM                              24

Retention of yearly backup point.

**Week Based**    Day Based

In \*                              On \*                              Day \*                              At \*

January                              First                              Monday                              9:00 PM

What is the minimum recovery point objective (RPO) for VMs making use of this backup policy?

1 Day

2 Days

7 Days

1 Year**Correct**

1 Day is correct, this is the minimum recovery point objective (RPO) as the daily backup policy is enabled and set to 1 day.

**47. Question**

The Contoso company has a requirement for VM backup retention as per regulatory compliance. Regulatory compliance requires a maximum RPO of 1 day. The following screenshot shows the configuration of the DefaultPolicy.

Associated items   Delete   Save   Discard

Backup schedule

| Frequency * | Time *  | Timezone *                   |
|-------------|---------|------------------------------|
| Daily       | 9:00 PM | (UTC+02:00) Harare, Pretoria |

Instant Restore ⓘ

Retain instant recovery snapshot(s) for

2 Day(s) ⓘ

Retention range

Retention of daily backup point.

At \* For

| At *    | For       |
|---------|-----------|
| 9:00 PM | 25 Day(s) |

Retention of weekly backup point.

On \* At \* For

| On *   | At *    | For        |
|--------|---------|------------|
| Sunday | 9:00 PM | 12 Week(s) |

Retention of monthly backup point.

Week Based   Day Based

On \* Day \* At \* For

| On *  | Day *  | At *    | For |
|-------|--------|---------|-----|
| First | Monday | 9:00 PM | 24  |

Retention of yearly backup point.

Week Based   Day Based

In \* On \* Day \* At \*

| In *    | On *  | Day *  | At *    |
|---------|-------|--------|---------|
| January | First | Monday | 9:00 PM |

Will the above policy comply with the regulatory compliance request?

 Yes No**Correct**

Yes is correct, the yearly retention period is configured for 5 years which meets the minimum requirement. I

## 48. Question

The Contoso organization has a web application that has been deployed by using a virtual machine scale set (accessed via VPN from on-premises to Azure. The requirement is to allow users working remotely to access it. Which of the following would you need to upload to the virtual network gateway?

- Root certificate including private key
- Root certificate including public key
- Client certificate including private key
- Client certificate including public key
- All of the above

### Incorrect

Root certificate including public key is correct as this is used to authenticate the client certificate to establish authentication. <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-certificates-point-to-site>

## 49. Question

The Contoso organization has a web application that has been deployed by using a virtual machine scale set (accessed via VPN from on-premises to Azure. The requirement is to allow users working remotely to access it. Which of the following would you need to upload and install on the remote machines?

- Root certificate including private key
- Root certificate including public key
- Client certificate including private key
- Client certificate including public key
- All of the above

### Incorrect

Client certificate including the private key is correct as you need to password protect this certificate, anyone can access it. Root certificate is incorrect as this is used on the VPN gateway to authenticate the client certificate with the server. <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-certificates-point-to-site>

## 50. Question

The Fabrikam organization has a web application that has been deployed by using a virtual machine scale set to-Site VPN from on-premises to Azure. The requirement is to allow users working remotely to access the web application. What certificate should be used to upload to the virtual network gateway?

- Root certificate including private key
- Root certificate including public key
- Client certificate including private key
- Client certificate including public key
- All of the above

#### Incorrect

Root certificate including public key is correct as this is used to authenticate the client certificate to establish the connection. <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-certificates-point-to-site>

### 51. Question

The Fabrikam organization has a web application that has been deployed by using a virtual machine scale set to-Site VPN from on-premises to Azure. The requirement is to allow users working remotely to access the web application. What certificate should be used to upload and install on the remote machines?

- Root certificate including private key
- Root certificate including public key
- Client certificate including private key
- Client certificate including public key
- All of the above

#### Incorrect

Client certificate including the private key is correct as you need to password protect this certificate, anyone can access the web application. The root certificate is incorrect as this is used on the VPN gateway to authenticate the client certificate with the connection. <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-certificates-point-to-site>

### 52. Question

The Fabrikam organization has a web application that has been deployed by using a virtual machine scale set to-Site VPN from on-premises to Azure. The requirement is to access the scale set on only 1 private IP address. What should be implemented?

- Azure Traffic Manager
- Azure Application Gateway
- Azure Internal Load Balancer
- Azure Public Load Balancer

**Correct**

Azure Internal Load Balancer is correct as this operates at layer 4 of the OSI model (SSH) and can be deployed in a VNet. The solution should not be public-facing, all SSH traffic should come through the VPN. Traffic Manager is incorrect as it operates at layer 7 of the OSI model (Application layer) and not layer 4 which is the requirement for SSH traffic. <https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpn-gateways>

**53. Question**

The Fabrikam organization has developed a web service that is running on a VM on the Azure-VNet on the developer's machine. The company named Contoso needs to be able to connect to the API.

The screenshot below shows the virtual network configuration for the API Management service.

The screenshot shows the 'Delegation' settings for an API Management service. The left sidebar lists options: Delegation (selected), Settings, Properties, External cache, Scale and pricing, Virtual network (selected), and Protocol settings. The main area displays information about secure access resources and notes about applying changes. It shows the 'Virtual network' section with 'Internal' selected, 'Location' set to 'Australia East', and 'Virtual network' set to 'Azure-VNet'.

TRUE or FALSE: Based on the below configuration the Contoso developers will be able to access the API management service.

- TRUE
- FALSE

**Correct**

False is correct, based on the screenshot the virtual network is set to internal which will result in the API management service being accessible only from the VNet. <https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet>

**54. Question**

The Fabrikam organization has developed a web service that is running on a VM on the Azure-VNet on the development company named Contoso needs to be able to connect to the API.

The screenshot below shows the virtual network configuration for the API Management service.

The screenshot shows the 'Virtual network' tab selected in the API Management service settings. It displays the following information:

- Virtual network:** Internal (highlighted in purple)
- Location:** Australia East
- Virtual network:** Azure-VNet

A note on the right side states: "Securely access resources available in or through your VNet. Changes can take from 15 to 45 minutes to apply. Please wait before enabling virtual network connectivity to avoid issues. Adding service to VNET will result in a change of VIP."

TRUE or FALSE: Based on the below configuration the gateway will be able to access data from the virtual machine.

TRUE

FALSE

**Correct**

True is correct, the gateway is attached to the virtual network on which the VM is running.<https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-vnet-gateway>

## 55. Question

The Fabrikam organization has developed a web service that is running on a VM on the Azure-VNet on the development company named Contoso needs to be able to connect to the API.

The screenshot below shows the virtual network configuration for the API Management service.

The screenshot shows the 'Virtual network' tab selected in the API Management service settings. It displays the following information:

- Virtual network:** Off (highlighted in purple)
- External**
- Internal** (highlighted in purple)

A note on the right side states: "Securely access resources available in or through your VNet. Changes can take from 15 to 45 minutes to apply. Please wait before enabling virtual network connectivity to avoid issues. Adding service to VNET will result in a change of VIP."

**Location:** Australia East

**Virtual network:** Azure-VNet

TRUE or FALSE: Based on the below configuration a virtual network gateway is required for the Contoso development company to connect to the API.

TRUE FALSE**Correct**

True is correct, based on the screenshot configuration the API Management gateway and developer portal are accessible from the public internet via a virtual network. <https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet>

**56. Question**

The Fabrikam organization has developed a web service that is running on a VM on the Azure-VNet on the development company named Contoso needs to be able to connect to the API.

The screenshot below shows the virtual network configuration for the API Management service.

The screenshot shows the 'Virtual network' section of the API Management service settings. On the left, there is a sidebar with options: Delegation, Settings, Properties, External cache, Scale and pricing, Virtual network (which is selected and highlighted in grey), and Protocol settings. On the right, there is a large panel with the following details:

- Virtual network:** A button group with three options: Off (disabled), External (disabled), and Internal (selected).
- Location:** Australia East
- Virtual network:** Azure-VNet

A callout box with an information icon provides instructions: "Securely access resources available in or through your VNet. Changes can take from 15 to 45 minutes to apply. Please wait before enabling virtual network connectivity to avoid issues. Adding service to VNET will result in a change of VIP."

TRUE or FALSE: Based on the below configuration a virtual network gateway is required for the Contoso development company named Contoso needs to be able to connect to the API.

 TRUE FALSE**Incorrect**

False is correct, the API management gateway and developer portal are accessible from the public internet via a virtual network. <https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet>

**57. Question**

The Fabrikam organization has developed a web service that is running on a VM on the Azure-VNet on the development company named Contoso needs to be able to connect to the API.

The screenshot below shows the virtual network configuration for the API Management service.

**Delegation****Settings****Properties****External cache****Scale and pricing****Virtual network****Protocol settings**

**i** Securely access resources available in or through your virtual network.

Changes can take from 15 to 45 minutes to apply. Please wait before enabling virtual network connectivity to avoid potential issues.

Adding service to VNET will result in a change of VIP.

**Virtual network****Off****External****Internal****Location****Virtual network****Australia East****Azure-VNet**

TRUE or FALSE: Based on the below configuration the gateway will be able to access data from the virtual machine.

**TRUE****FALSE****Incorrect**

True is correct, the gateway is attached to the virtual network on which the VM is running.<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-vpn-gateways#virtual-network>

**58. Question**

The Fabrikam organization has the following SQL servers on-premises:

- Microsoft SQL Server 2014 which has the finance DB attached
- Microsoft SQL Server 2016 which has the sales DB attached

Fabrikam needs to migrate these DB's to Azure and are looking at PaaS options with the following requirements:

Requirement 1: The data in the finance DB needs to be assessed and migrated to an Azure SQL database (DB)

Requirement 2: The data in the sales DB needs to be assessed and migrated to an Azure SQL Managed Instance

Which of the following tools should you use for the assessment part for requirement 1?

 Azure Storage Explorer Azure CosmosDB Data migration tool**Data Migration Assistant (DMA)** Data Migration service (DMS)**Correct**

Data Migration Assistant is correct; this tool can be used to assess the on-premises SQL environment and recommend migration steps. It also supports SQL assessments. Azure CosmosDB Data migration tool is incorrect as this tool is used to migrate data between databases.

## 59. Question

The Fabrikam organization has the following SQL servers on-premises:

- Microsoft SQL Server 2014 which has the finance DB attached
- Microsoft SQL Server 2016 which has the sales DB attached

Fabrikam needs to migrate these DB's to Azure and are looking at PaaS options with the following requirement:

Requirement 1: The data in the finance DB needs to be assessed and migrated to an Azure SQL database (DB)

Requirement 2: The data in the sales DB needs to be assessed and migrated to an Azure SQL Managed Instan

Which of the following tools should you use for the assessment part for requirement 2?

- Azure Storage Explorer
- Azure CosmosDB Data migration tool
- Data Migration Assistant (DMA)
- Data Migration service (DMS)

### Incorrect

Data Migration Assistant is correct; this tool can be used to assess the on-premises SQL environment and recommend support SQL assessments. Azure CosmosDB Data migration tool is incorrect as this tool is used to migrate data from an assessment part and then performs the migration to Azure SQL. <https://docs.microsoft.com/en-us/sql/dma/compare-dma-and-dms>

## 60. Question

TRUE or FALSE: Application insights can monitor the user and session count for a specific application.

- TRUE
- FALSE

### Correct

True is correct as you can monitor user and session count with Application insights. <https://docs.microsoft.com/en-us/azure/azure-monitor/app/quickstart-overview#:~:targetText=Application%20Insights%2C%20a%20feature%20of,monitor%20your%20live%20application>

## 61. Question

TRUE or FALSE: Azure Application Gateway operates at layer 7 of the OSI model.

- TRUE
- FALSE

### Correct

True is correct, Azure App Gateway operates at the application layer (layer 7) of the OSI model.

[https://docs.microsoft.com/en-us/azure/application-gateway/overview#:~:targetText=Azure%20Application%20Gateway%20operates%20at%20the%20application%20layer%20\(layer%207\)%20of%20the%20OSI%20model.](https://docs.microsoft.com/en-us/azure/application-gateway/overview#:~:targetText=Azure%20Application%20Gateway%20operates%20at%20the%20application%20layer%20(layer%207)%20of%20the%20OSI%20model.)

## 62. Question

TRUE or FALSE: Azure Public Load Balancer operates at layer 7 of the OSI model.

TRUE

FALSE

### Correct

False is correct, Azure Load Balancer (public and internal) both operate at layer 4 of the OSI model.

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-overview>

## 63. Question

TRUE or FALSE: When deploying Azure backup to a Windows VM in via the portal you need to install the Azu

TRUE

FALSE

### Incorrect

False is correct, you do not have to deploy any agent on the VM when using Azure backup on an Azure VM.

<https://docs.microsoft.com/en-us/azure/backup/backup-support-matrix-iaas>

## 64. Question

TRUE or FALSE: You can set your default General Purpose v1 (GPv1) storage account access tier to archive.

TRUE

FALSE

### Correct

False is correct; This type of storage account does not have the ability to apply object storage data tiering, the us/azure/storage/blobs/storage-blob-storage-tiers

## 65. Question

TRUE or FALSE: You can set your default General Purpose v2 (GPv2) storage account access tier to archive.

TRUE FALSE**Correct**

False is correct; Only hot and cool access tiers may be set as the default account access tier and archive can

**66. Question**

TRUE or FALSE: You can upload self-signed certificates to virtual network gateways for Point-to-Site commun

 TRUE FALSE**Incorrect**

True is correct, self-signed certificates are accepted by the virtual network gateway for P2S communication.

**67. Question**

TRUE or FALSE: You need to use the Database Migration Service (DMS) to migrate an on-premises SQL DB ·

 TRUE FALSE**Correct**

True is correct, you should use Azure DMS for online migration to Azure SQL Managed Instances.

<https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-managed-instance-online>

**68. Question**

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment:

- Their existing environment consists of an Active Directory domain named skillcertlabs.com. This is their primary domain.
- A set of web servers hosted on a VMWare environment.
- A set of Microsoft SQL server database servers hosted on physical servers.

- The company has also setup an Azure AD tenant
- Their subscription currently consists of Azure AD basic licences.

Network Infrastructure:

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection

Requirements:

Planned Changes:

- The company wants to setup a new office in Mumbai
- All resources for the Mumbai office will be hosted in Azure
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will joined to the Azure AD domain

Planned Azure Networking Infrastructure:

The following Virtual networks will be setup in Azure:

Name

skillcertlab-mumbai

skillcertlab-office

skillcertlab-client

The following subnets will be in place

Virtual Network Name – Subnet

skillcertlab-mumbai – SubnetA

skillcertlab-mumbai – SubnetB

skillcertlab-client – SubnetC

skillcertlab-office – SubnetD

skillcertlab-office – SubnetE

The following additional settings will be in place:

- Default routes in Azure will be used to route traffic
- A peering connection will be established between the virtual networks skillcertlab-mumbai and skillcertlab-singapore.
- The peering connection for skillcertlab-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named skillcertlabs.local. The registration network will be set to the skillcertlab-mumbai virtual network.

The company has the following additional requirements:

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior month.

A development team wants to use a serverless compute service that could be used in conjunction with the web apps. They decide to use the Azure Function App service.

Would this fulfil the requirement?

Yes

No

**Correct**

This is a serverless compute service that is available on the Azure platform.

The Microsoft documentation mentions the following

## An introduction to Azure Functions

10/03/2017 • 4 minutes to read •  +13

Azure Functions is a solution for easily running small pieces of code, or "functions," in the cloud. You can write just the code you need for the problem at hand, without worrying about a whole application or the infrastructure to run it. Functions can make development even more productive, and you can use your development language of choice, such as C#, F#, Node.js, Java, or PHP. Pay only for the time your code runs and trust Azure to scale as needed. Azure Functions lets you develop [serverless](#) applications on Microsoft Azure.

For more information on Azure Function Apps, please go to the below URL

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview>

### 69. Question

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

#### Existing Environment:

- Their existing environment consists of an Active Directory domain named skillcertlabs.com. This is their primary domain.
- A set of web servers hosted on a VMWare environment.
- A set of Microsoft SQL server database servers hosted on physical servers.
- The company has also setup an Azure AD tenant
- Their subscription currently consists of Azure AD basic licences.

#### Network Infrastructure:

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection

#### Requirements:

#### Planned Changes:

- The company wants to setup a new office in Mumbai
- All resources for the Mumbai office will be hosted in Azure
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will be joined to the Azure AD domain

#### Planned Azure Networking Infrastructure:

The following Virtual networks will be setup in Azure:

Name

skillcertlab-mumbai

skillcertlab-office

skillcertlab-client

The following subnets will be in place

Virtual Network Name – Subnet

skillcertlab-mumbai – SubnetA

skillcertlab-mumbai – SubnetB

skillcertlab-client – SubnetC

skillcertlab-office – SubnetD

skillcertlab-office – SubnetE

The following additional settings will be in place:

- Default routes in Azure will be used to route traffic
- A peering connection will be established between the virtual networks skillcertlab-mumbai and skillcertlab-delhi.
- The peering connection for skillcertlab-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named skillcertlabs.local. The registration network will be set to the skillcertlab-mumbai virtual network.

The company has the following additional requirements:

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior month.

A team needs to perform a packet capture for traffic that enters the virtual machines entering the “skillcertlab” virtual network.

Azure Network Watcher

Azure Firewalls

Azure Network Security Groups

Azure Virtual Network gateways

### Correct

This can be accomplished with the help of the Azure Network Watcher service

The Microsoft documentation mentions the following

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect

For more information on Azure Network Watcher, please go to the below URL

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-packet-capture-overview>

## 70. Question

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment:

- Their existing environment consists of an Active Directory domain named skillcertlabs.com. This is being used by all of their offices.

- A set of web servers hosted on a VMWare environment.
- A set of Microsoft SQL server database servers hosted on physical servers.
- The company has also setup an Azure AD tenant
- Their subscription currently consists of Azure AD basic licences.

Network Infrastructure:

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection

Requirements:

Planned Changes:

- The company wants to setup a new office in Mumbai
- All resources for the Mumbai office will be hosted in Azure
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will joined to the Azure AD domain

Planned Azure Networking Infrastructure:

The following Virtual networks will be setup in Azure:

Name

skillcertlab-mumbai

skillcertlab-office

skillcertlab-client

The following subnets will be in place

Virtual Network Name – Subnet

skillcertlab-mumbai – SubnetA

skillcertlab-mumbai – SubnetB

skillcertlab-client – SubnetC

skillcertlab-office – SubnetD

skillcertlab-office – SubnetE

The following additional settings will be in place:

- Default routes in Azure will be used to route traffic
- A peering connection will be established between the virtual networks skillcertlab-mumbai and skillcertlab-delhi.
- The peering connection for skillcertlab-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named skillcertlabs.local. The registration network will be set to the skillcertlab-mumbai virtual network.

The company has the following additional requirements:

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior month.

A development team wants to use a serverless compute service that could be used in conjunction with the web apps. They decide to use the Azure CosmosDB service.

Would this fulfil the requirement?

Yes

No

**Correct**

This is a multi-model database service and not a serverless compute service.

For more information on Azure CosmosDB, please go to the below URL

<https://docs.microsoft.com/en-us/azure/cosmos-db/introduction>

## 71. Question

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment:

- Their existing environment consists of an Active Directory domain named skillcertlabs.com. This is being used by all their offices.
- A set of web servers hosted on a VMWare environment.
- A set of Microsoft SQL server database servers hosted on physical servers.
- The company has also setup an Azure AD tenant.
- Their subscription currently consists of Azure AD basic licences.

## Network Infrastructure:

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection

## Requirements:

### Planned Changes:

- The company wants to setup a new office in Mumbai
- All resources for the Mumbai office will be hosted in Azure
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will joined to the Azure AD domain

### Planned Azure Networking Infrastructure:

The following Virtual networks will be setup in Azure:

Name

skillcertlab-mumbai

skillcertlab-office

skillcertlab-client

The following subnets will be in place

Virtual Network Name – Subnet

skillcertlab-mumbai – SubnetA

skillcertlab-mumbai – SubnetB

skillcertlab-client – SubnetC

skillcertlab-office – SubnetD

skillcertlab-office – SubnetE

The following additional settings will be in place:

- Default routes in Azure will be used to route traffic

- A peering connection will be established between the virtual networks skillcertlab-mumbai and skillcertlab-delhi.
- The peering connection for skillcertlab-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named skillcertlabs.local. The registration network will be set to the skillcertlab-mumbai virtual network.

The company has the following additional requirements:

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior month.

A development team wants to use a serverless compute service that could be used in conjunction with the web apps. They decide to use the Azure Logic App service.

Would this fulfil the requirement?

Yes

No

#### Incorrect

This is a workflow-based service and is not a serverless compute service.

For more information on Azure Logic Apps, please go to the below URL

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview>

## 72. Question

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment:

The company currently has the following Active Directory Environment in place:

- Two Active Directory forests – One is quiz.skillcertlabs.com and the other is research.skillcertlabs.com
- Currently there is no trust relationship between the forests
- The quiz.skillcertlabs.com is the production forest that hosts all the identities required for internal user authentication.
- The research.skillcertlabs.com forest is only used by the research department

The company currently has the following Networking Environment in place:

- The offices currently contain at least one domain controller from the quiz.skillcertlabs.com forest.
- The main head office contains the domain controller of the research.skillcertlabs.com forest

- All of the offices have high speed internet connections

#### Applications:

The company has a web application running on-premise named skillcertlab-app

- The application is running on Microsoft Internet Information Services
- The application stores its data on Microsoft SQL Server 2016
- The servers are all running on Hyper-V
- The same Hyper-V environment also hosts a staging environment to test all updates to the web application
- All Microsoft based licences have been purchased via a Microsoft Enterprise Agreement that includes the application

#### Planned Changes:

- The company wants to migrate its workloads to Azure.
- They also want to create a hybrid identity model along with a Microsoft Office 365 deployment
- The research department will continue to use the infrastructure in the on-premise environment.

Following are the key requirements for the migration to Azure:

- The Web application “skillcertlab-app” needs to be migrated to Azure
- Existing licences should be used wherever possible to minimize on costs
- Users need to always authenticate using their quiz.skillcertlabs.com UPN identity
- All new deployments to Azure must be redundant in the case of an Azure region failure
- PaaS deployments are preferred wherever possible
- Directory Synchronization must be established between Azure AD and the quiz.skillcertlabs.com forest

The following requirements need to be met in terms of the database:

- When the database is migrated to Azure, it needs to be ensured that metrics are recorded for the data storage environment
- Database downtime must be minimized when the database is being migrated onto Azure
- Database backup's must be maintained for a period of 5 years

The following requirements need to be met in terms of Security:

- Administrators should be able to authenticate to Azure by using the quiz.skillcertlabs.com credentials
- Any administrative access to Azure must be complemented by multi-factor authentication

A strategy needs to be recommended for the Web application – “skillcertlab-app”. The loads on the application need to be balanced across multiple regions to ensure that costs are being minimized at lower workloads. Which of the following would you recommend?

- Configure the Scale up settings for the web application
- Configure the Scale Out settings for the web application
- Deploy Virtual machine scale sets to scale out based on the CPU threshold
- Deploy Virtual machine scale sets to scale out based on the Memory threshold

### Correct

Since the case study does mention that PaaS solutions should be used, hence we need to use Azure Web app services. Option A is wrong: Scale Up – is an operation that's Azure Web Sites cloud equivalent of moving your non-compliant application to a larger server. It's not about outgrowing your existing mode or options. In addition, it can be done on virtually any site without worrying about downtime.

To ensure that the web app can scale based on demand, we need to use the Scale Out settings as shown below:

1) First go to the Scale out settings for the Web App

2) Then click on Enable autoscale

Then add the required conditions for the scaling process

For more information on scaling web apps, please visit the below URL

<https://docs.microsoft.com/en-us/azure/app-service/web-sites-scale>

## 73. Question

View Case Study:

Overview:

skillcertlabs is an online training provider.

Current System – Financial Processing:

skillcertlabs currently has a system that consists of 3 tiers:

- Front end Web App
- Middle tier API
- Back end data store

Below is the current set of the system:

- The backend is running on Microsoft SQL server 2016
- All servers are running on Windows
- The Front and Middle tiers are written in C# and hosted on Internet Information Services
- The database is currently 1 TB in size. The growth of the database is not expected to grow beyond 3 T

The system currently has the following requirements:

- All data must be encrypted in rest and in transit
- The front and middle tier components currently make use of encryption keys to protect the data store.
- Database backups need to be maintained in 2 separate locations that are at least 100 miles apart
- Database backups need to be stored for up to 7 years
- Traffic to the servers needs to be controlled via source IP address and port no
- Access to the system should only be via the internal network of skillcertlabs
- The Security team needs to be able to inspect all inbound and outbound traffic

Current System – Transactional Query System:

skillcertlabs also has a Transaction Query system built on .Net. The data is stored in Azure Table storage. This

Planned Changes:

skillcertlabs wants to migrate the Financial Processing system to Azure

Key requirements:

- Infrastructure services must remain available if a region or a data center fails.
- Failover must occur without any administrative intervention
- Wherever possible, Azure managed services must be used to management overhead
- Whenever possible, costs must be minimized.
- Collect windows security logs from the Middle tier and retain the logs for several year
- Generate alerts if any unauthorized access to the backend Virtual machines are detected.
- The number of instances assigned to the front and middle tiers should be adjusted automatically based
- An SLA of 99.95% must be guaranteed on the Infrastructure for the front and middle tier systems
- Identity management must be performed via Active directory and all password hashes must be stored
- If there are any suspicious attempts for authentication, then that should trigger multi-factor authentication
- The data store for the transactional query system will be move from Azure Table storage to a CosmosDB

Question:

Azure AD Connect will be installed to implement the synchronize the identities between Azure AD and the on-premises Active Directory. Which of the following is a correct way to implement this?

- Federation with AD FS
- Pass-through Authentication
- Federation with AD
- Password hash synchronization

Correct

A key requirement for the case study is to ensure that the identities are authenticated via the on-premise AD

Options A and C are incorrect since you don't need to do a federation

Option D is incorrect since you need to implement Pass-through Authentication to ensure that identities are

## 74. Question

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment:

- Their existing environment consists of an Active Directory domain named skillcertlabs.com. This is their primary domain.
- A set of web servers hosted on a VMWare environment.
- A set of Microsoft SQL server database servers hosted on physical servers.
- The company has also setup an Azure AD tenant.
- Their subscription currently consists of Azure AD basic licences.

Network Infrastructure:

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection.

Requirements:

Planned Changes:

- The company wants to setup a new office in Mumbai.
- All resources for the Mumbai office will be hosted in Azure.
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will be joined to the Azure AD domain.

Planned Azure Networking Infrastructure:

The following Virtual networks will be setup in Azure:

Name

skillcertlab-mumbai

skillcertlab-office

skillcertlab-client

The following subnets will be in place

Virtual Network Name – Subnet

skillcertlab-mumbai – SubnetA

skillcertlab-mumbai – SubnetB

skillcertlab-client – SubnetC

skillcertlab-office – SubnetD

skillcertlab-office – SubnetE

The following additional settings will be in place:

- Default routes in Azure will be used to route traffic
- A peering connection will be established between the virtual networks skillcertlab-mumbai and skillcertlab-client.
- The peering connection for skillcertlab-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named skillcertlabs.local. The registration network will be set to the skillcertlab-mumbai virtual network.

The company has the following additional requirements:

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior month.

The company wants to lift and shift the on-premise database to Azure with minimal application and database downtime.

Azure SQL database – Single Instance

Azure SQL database – Pooled Instance

Azure SQL database – Managed Instance

Azure SQL database – vCore model

### Incorrect

The ideal approach is to create a managed SQL instance.

The Microsoft documentation mentions the following

Since this is clearly mentioned in the Microsoft documentation, all other options are incorrect.

For more information on SQL database managed instance, please go to the below URL

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance>

## 75. Question

View Case Study:

Overview:

skillcertlabs is an online training provider. They have several main offices and a couple of branch offices.

Existing Environment:

- Their existing environment consists of an Active Directory domain named skillcertlabs.com. This is their primary domain.
- A set of web servers hosted on a VMWare environment.
- A set of Microsoft SQL server database servers hosted on physical servers.
- The company has also setup an Azure AD tenant
- Their subscription currently consists of Azure AD basic licences.

Network Infrastructure:

- Each of the main offices has a data center in place.
- Each office also has a dedicated Internet connection

Requirements:

Planned Changes:

- The company wants to setup a new office in Mumbai
- All resources for the Mumbai office will be hosted in Azure
- The On-premise Active Directory will be synchronized to Azure AD.
- All client computers in the Mumbai office will be joined to the Azure AD domain

Planned Azure Networking Infrastructure:

The following Virtual networks will be setup in Azure:

Name

skillcertlab-mumbai

skillcertlab-office

skillcertlab-client

The following subnets will be in place

Virtual Network Name – Subnet

skillcertlab-mumbai – SubnetA

skillcertlab-mumbai – SubnetB

skillcertlab-client – SubnetC

skillcertlab-office – SubnetD

skillcertlab-office – SubnetE

The following additional settings will be in place:

- Default routes in Azure will be used to route traffic
- A peering connection will be established between the virtual networks skillcertlab-mumbai and skillcertlab-client.
- The peering connection for skillcertlab-mumbai will have Remote gateways enabled.
- A private DNS zone will be created named skillcertlabs.local. The registration network will be set to the skillcertlab-mumbai virtual network.

The company has the following additional requirements:

- A number of web apps will be deployed. The initial settings of the web apps will be the same.
- The senior management needs to have the ability to view the costs for Azure resources from the prior month.

The company wants to setup a disaster recovery solution for the web-based servers. The workloads on these servers could they use which would provide them the least RTO?

Azure Backup

Azure Data Migration Assistant

Az Copy tool

Azure Site Recovery

### Correct

For any sort of migration which requires a low RTO, you need to choose Azure Site Recovery.

The Microsoft documentation mentions the following

Option A is incorrect since this is just primarily a backup solution

Option B is incorrect since this is just primarily a data migration tool

Option C is incorrect since this is just to copy data from Azure storage accounts

For more information on Azure Site Recovery, please go to the below URL

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

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