AZ-303 Q&As

Microsoft Azure Architect Technologies

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QUESTION 1

SIMULATION

You recently created a virtual machine named Web01.

You need to attach a new 80-GB standard data disk named Web01-Disk1 to Web01.

What should you do from the Azure portal?

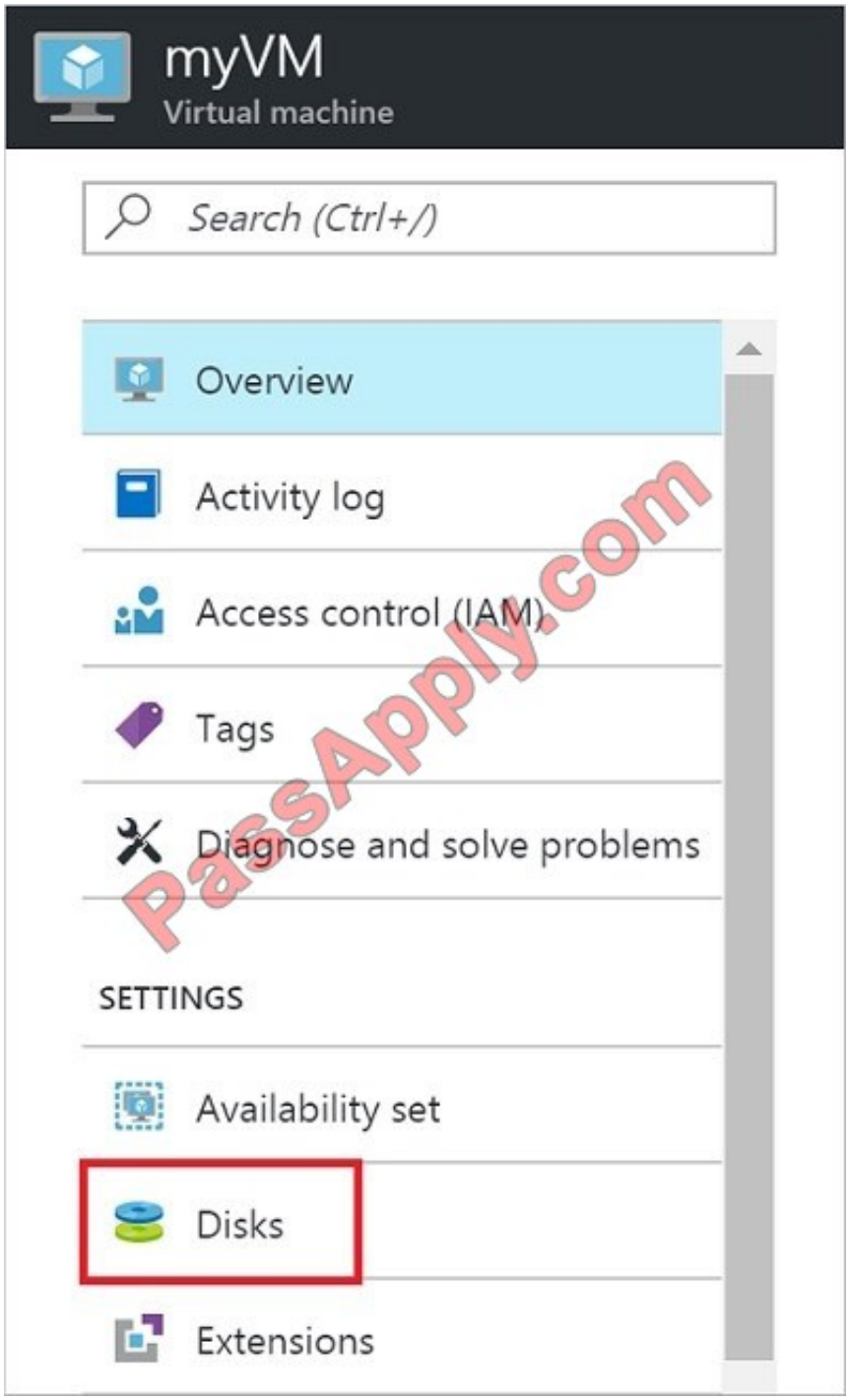
Correct Answer: See below.

Add a data disk

Step 1: In the Azure portal, from the menu on the left, select Virtual machines.

Step 2: Select the Web01 virtual machine from the list.

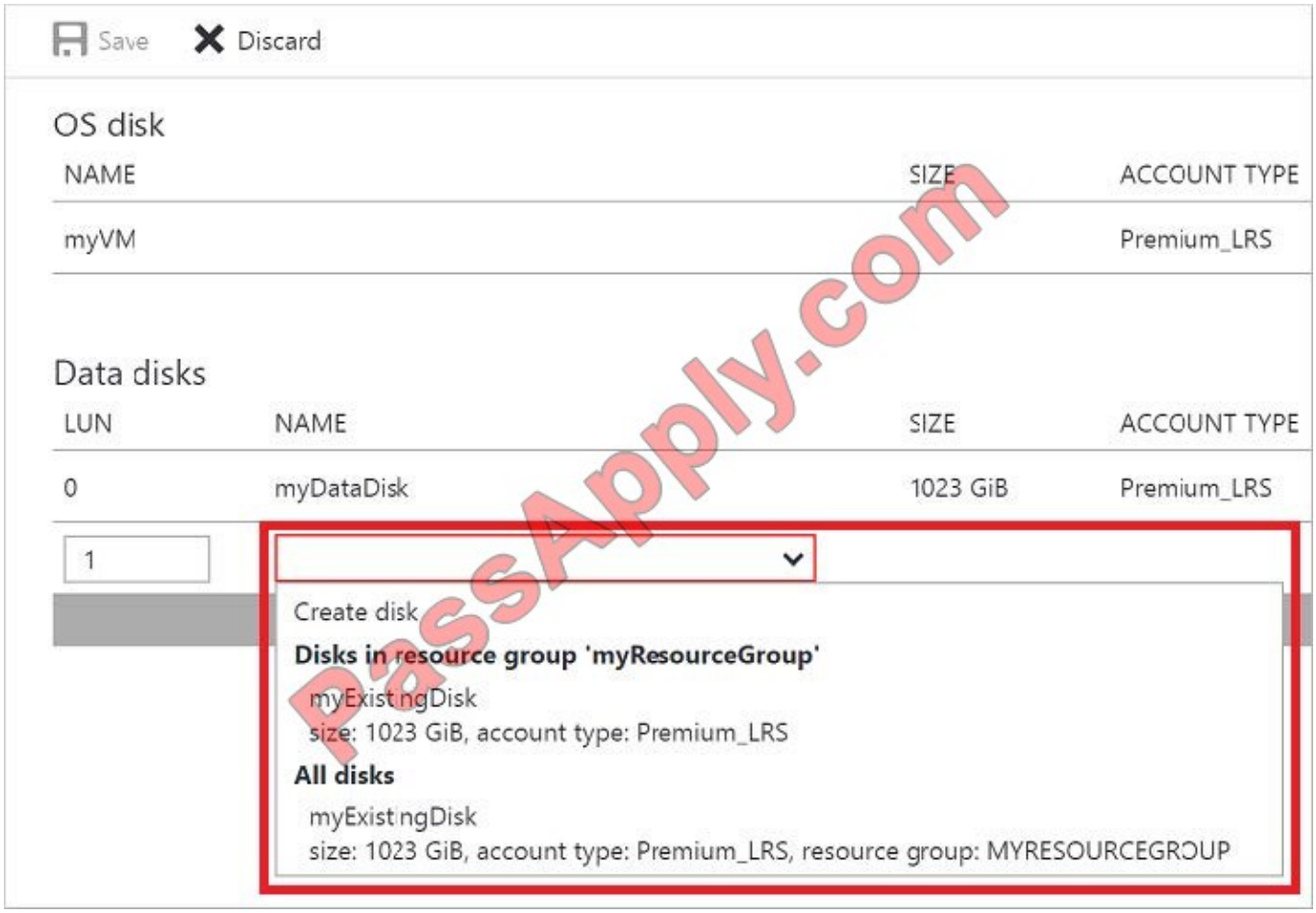
Step 3: On the Virtual machine page, , in Essentials, select Disks.



Step 4: On the Disks page, select the Web01-Disk1 from the list of existing disks.

Step 5: In the Disks pane, click + Add data disk.

Step 6: Click the drop-down menu for Name to view a list of existing managed disks accessible to your Azure subscription. Select the managed disk Web01-Disk1 to attach:



References: https://docs.microsoft.com/en-us/azure/virtual-machines/linux/attach-disk-portal

QUESTION 2

You manage an Active Directory domain named contoso.local.

You install Azure AD Connect and connect to an Azure Active Directory (Azure AD) tenant named contoso.com without syncing any accounts.

You need to ensure that only users who have a UPN suffix of contoso.com in the contoso.local domain sync to Azure AD.

Solution: You use the Synchronization Service Manager to modify the Metaverse Designer tab.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 3

You need to meet the user requirement for Admin1. What should you do?

A. From the Subscriptions blade, select the subscription, and then modify the Properties.

B. From the Subscriptions blade, select the subscription, and then modify the Access control (IAM) settings.

C. From the Azure Active Directory blade, modify the Properties.

D. From the Azure Active Directory blade, modify the Groups.

Correct Answer: A

Change the Service administrator for an Azure subscription

Sign in to Account Center as the Account administrator.

Select a subscription.

On the right side, select Edit subscription details.

Scenario: Designate a new user named Admin1 as the service administrator of the Azure subscription.

References:

https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator

QUESTION 4

HOTSPOT

You have an Azure subscription that contains a resource group named RG1.

You have a group named Group1 that is assigned the Contributor role for RG1.

You need to enhance security for the virtual machines in RG1 to meet the following requirements:

1.

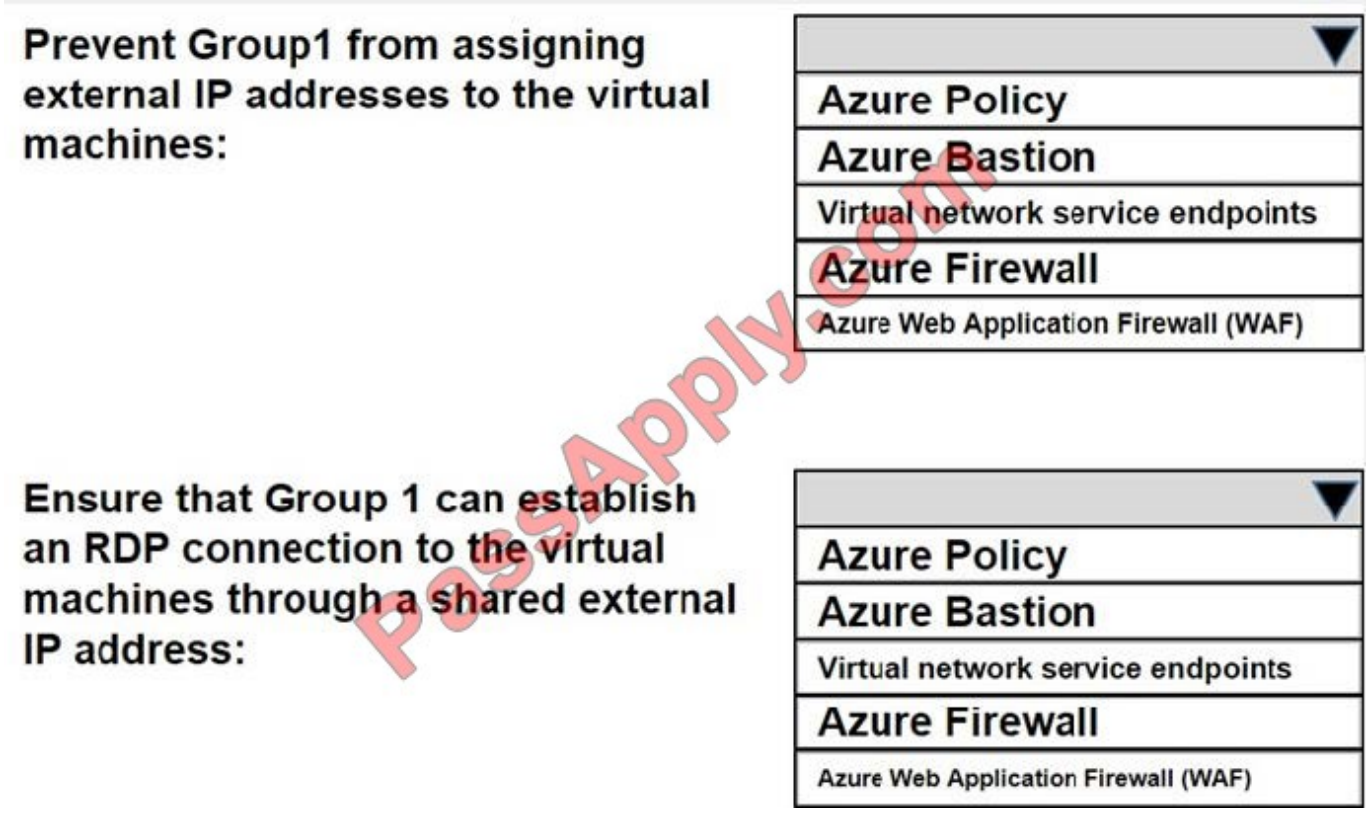
Prevent Group1 from assigning external IP addresses to the virtual machines.

2.

Ensure that Group1 can establish an RDP connection to the virtual machines through a shared external IP address.

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

Hot Area:



Correct Answer:

QUESTION 5

HOTSPOT

You play to deploy an Azure virtual machine named VM1 by using an Azure Resource Manager template.

You need to complete the template.

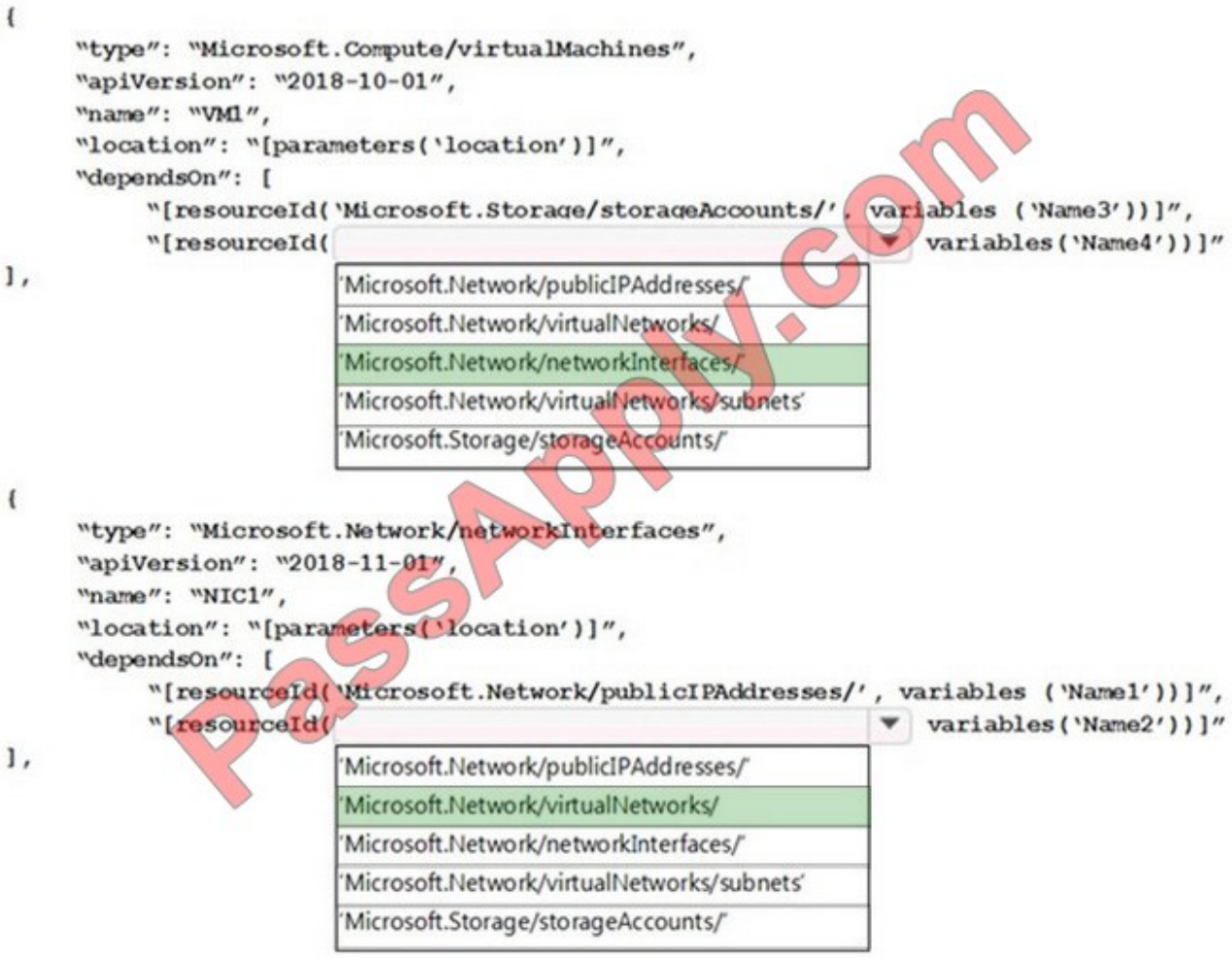
What should you include in the template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Answer Area



Within your template, the dependsOn element enables you to define one resource as a dependent on one or more resources. Its value can be a comma-separated list of resource names.

Box 1: \\'Microsoft.Network/networkInterfaces\\'

This resource is a virtual machine. It depends on two other resources:

Microsoft.Storage/storageAccounts

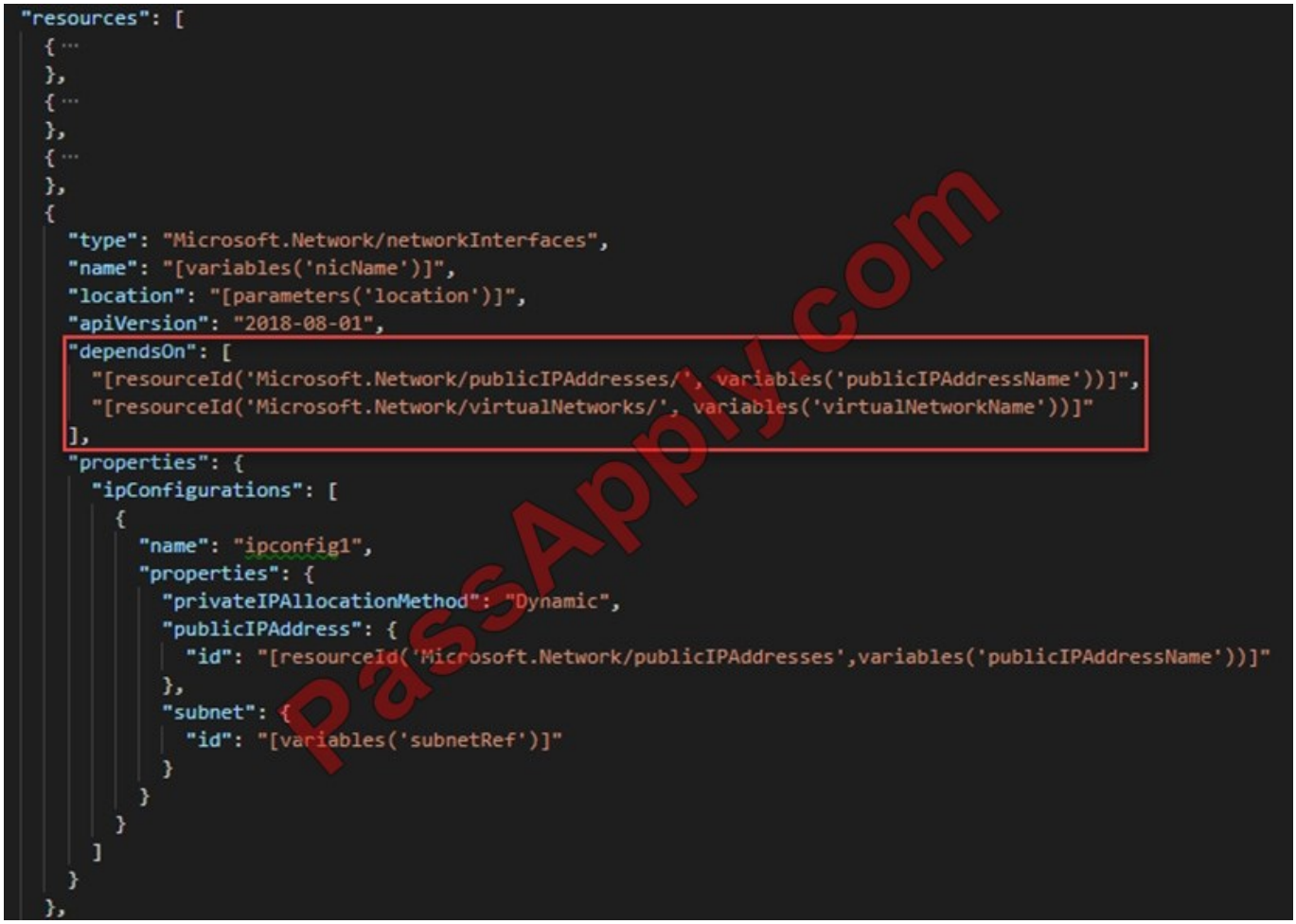
Microsoft.Network/networkInterfaces

Box 2: \\'Microsoft.Network/virtualNetworks/\\'

The dependsOn element enables you to define one resource as a dependent on one or more resources. The resource depends on two other resources:

Microsoft.Network/publicIPAddresses

Microsoft.Network/virtualNetworks



References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-manager-tutorial-create-templates-with-dependent-resources

QUESTION 6

You have an Azure Active Directory (Azure AD) tenant named contosodoud.onmicrosoft.com.

Your company has a public DNS zone for contoso.com.

You add contoso.com as a custom domain name to Azure AD

You need to ensure that Azure can verify the domain name.

Which type of DNS record should you create?

A. PTR

B. TXT

C. NSEC3

D. DNSKEY

Correct Answer: B

QUESTION 7

HOTSPOT

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

Name	Type	Size
ILB1	Internal load balancer	Basic
ELB1	External load balancer	Standard
AGW1	Azure Application Gateway that has web application firewall (WAF) enabled	Standard
AGW2	Azure Application Gateway	Standard_v2

You need to deploy a load-balancing solution for two Azure web apps named App1 and App2 to meet the following requirements:

1.

App1 must support command injection protection.

2.

App2 must be able to use a static public IP address.

3.

App1 must have a Service Level Agreement (SLA) of 99.99 percent.

4.

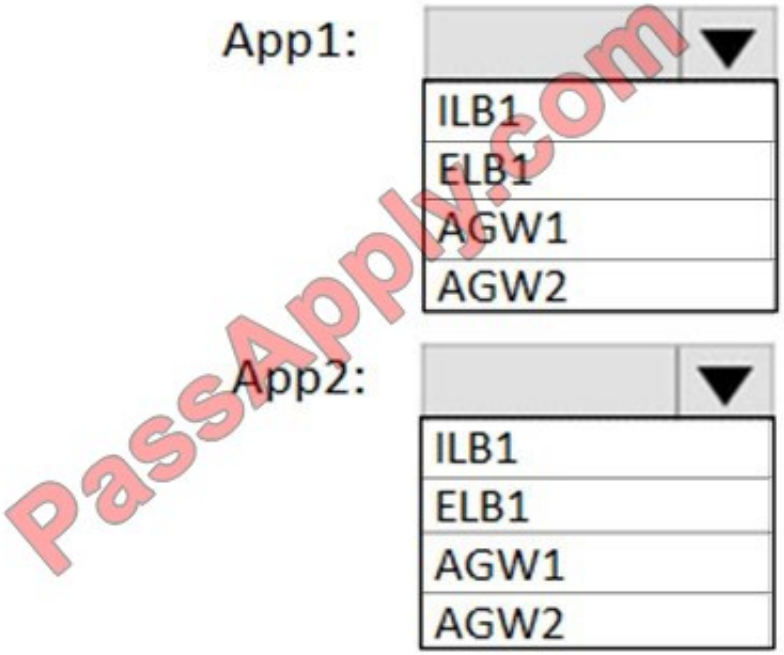
App2 load balancing solution must be able to autoscale.

Which resource should you use as the load-balancing solution for each app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

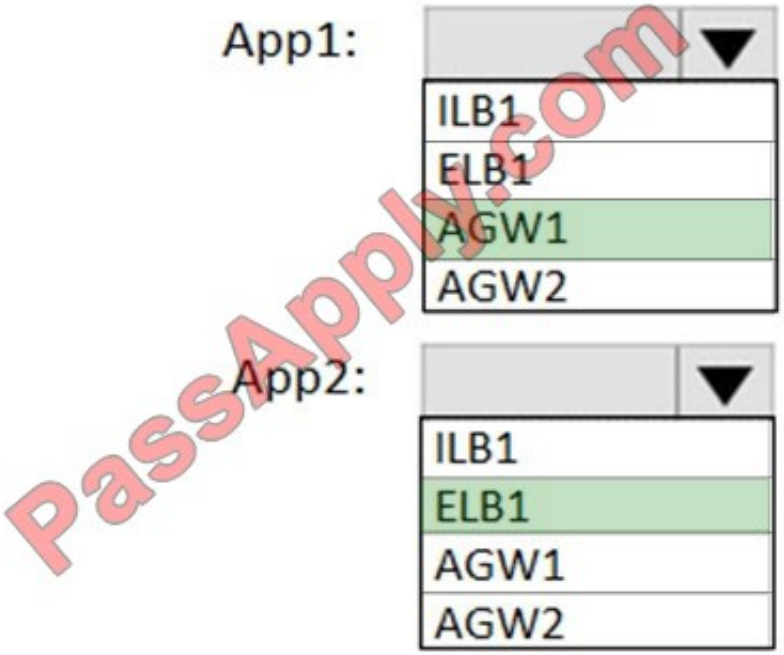
Hot Area:

Answer Area



Correct Answer:

Answer Area



Box 1: AGW1 Azure Application Gateway offers a web application firewall (WAF) that provides centralized protection of your web applications from common exploits and vulnerabilities. Web applications are increasingly targeted by malicious attacks that exploit commonly known vulnerabilities. SQL injection and cross-site scripting are among the most common attacks.

Box 2: ELB1 Public IP addresses allow Internet resources to communicate inbound to Azure resources. Public IP addresses also enable Azure resources to communicate outbound to Internet and public-facing Azure services with an IP address assigned to the resource.

Note: In Azure Resource Manager, a public IP address is a resource that has its own properties. Some of the resources you can associate a public IP address resource with are: Virtual machine network interfaces Internet-facing load balancers VPN gateways Application gateways

References: https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview

https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-ip-addresses-overview-arm

QUESTION 8

HOTSPOT

You network contains an Active Directory domain named adatum.com and an Azure Active Directory (Azure AD) tenant named adatum.onmicrosoft.com. Adatum.com contains the user accounts in the following table.

Name	Member of
User1	Domain Admins
User2	Schema Admins
User3	Incoming Forest Trust Builders
User4	Replicator
User5	Enterprise Admins

Adatum.onmicrosoft.com contains the user accounts in the following table.

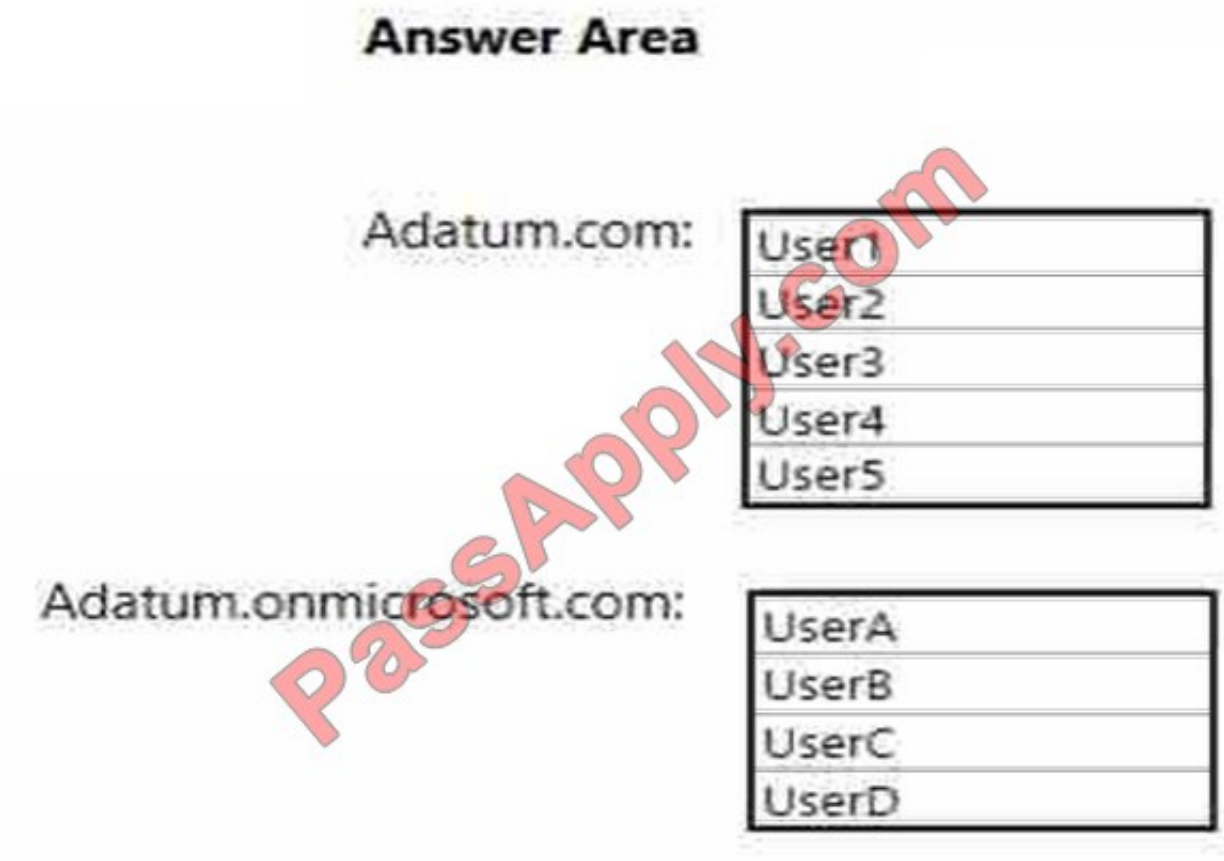
Name	Role
UserA	Global administrator
UserB	User administrator
UserC	Security administrator
UserD	Service administrator

You need to implement Azure AD Connect. The solution must follow the principle of least privilege.

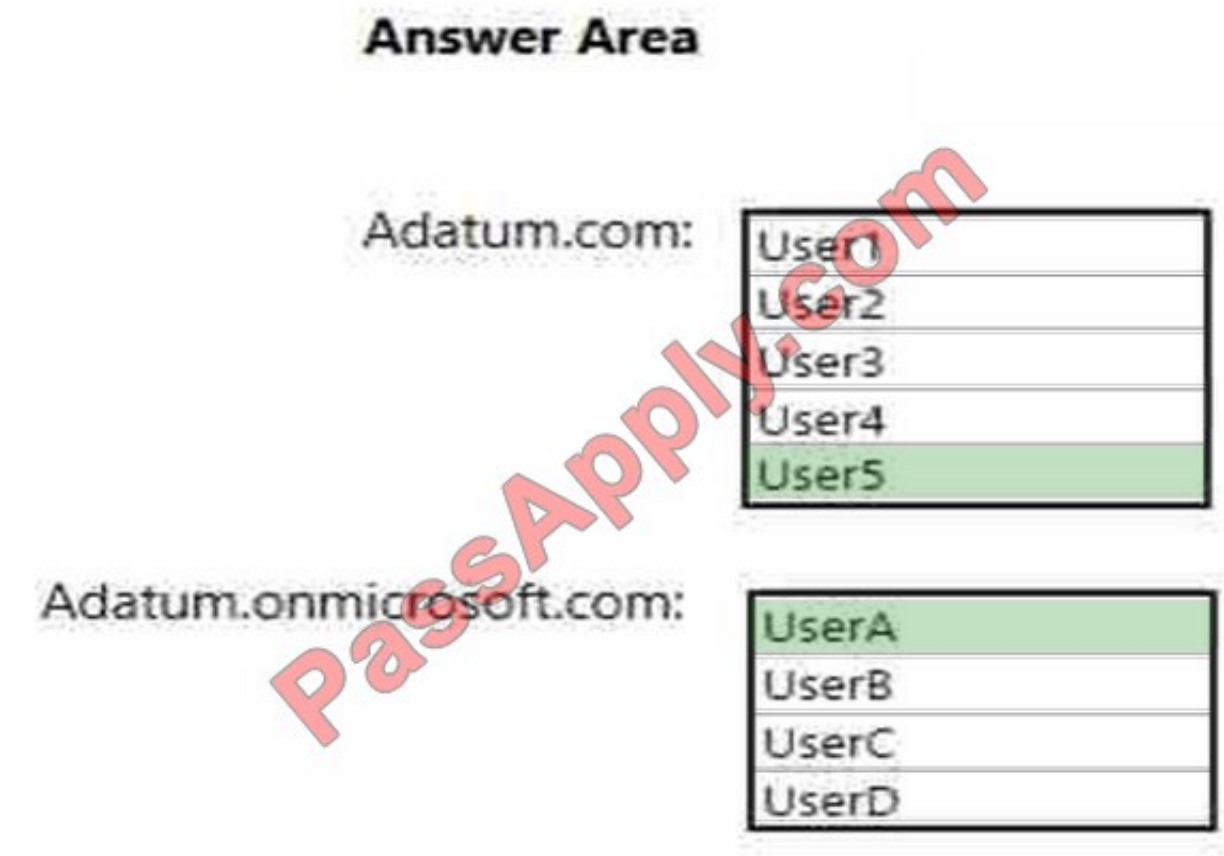
Which user accounts should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



Box 1: User5

In Express settings, the installation wizard asks for the following:

AD DS Enterprise Administrator credentials

Azure AD Global Administrator credentials

The AD DS Enterprise Admin account is used to configure your on-premises Active Directory. These credentials are only used during the installation and are not used after the installation has completed. The Enterprise Admin, not the Domain

Admin should make sure the permissions in Active Directory can be set in all domains.

Box 2: UserA

Azure AD Global Admin credentials are only used during the installation and are not used after the installation has completed. It is used to create the Azure AD Connector account used for synchronizing changes to Azure AD. The account

also enables sync as a feature in Azure AD.

References:

https://docs.microsoft.com/en-us/azure/active-directory/connect/active-directory-aadconnect-accounts-permissions

QUESTION 9

DRAG DROP

You arc developing an application that consists of an ASP.NET Core Web API website and a WebJob that starts automatically and runs continuously. You are building the deployment process for the application.

You need to ensure that both the website and the WebJob are deployed.

How should you structure the deployment folders? To answer, drag the appropriate path segments to the correct locations. Each path segment may be used once, more than once, or not at all. You may need to drag the split bar between

panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Correct Answer:

QUESTION 10

SIMULATION

You plan to prevent users from accidentally deleting blob data from Azure.

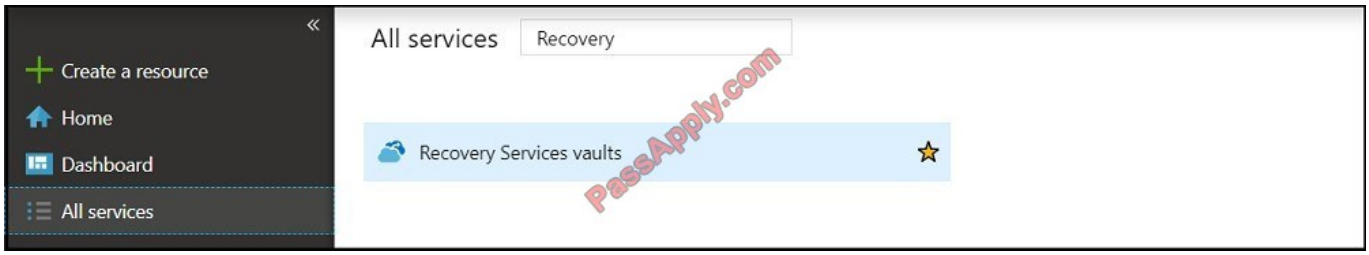
You need to ensure that administrators can recover any blob data that is deleted accidentally from the storagelod8322489 storage account for 14 days after the deletion occurred.

What should you do from the Azure portal?

Correct Answer: See below.

Task A: Create a Recovery Services vault (if a vault already exists skip this task, go to Task B below)

A1. From Azure Portal, On the Hub menu, click All services and in the list of resources, type Recovery Services and click Recovery Services vaults.

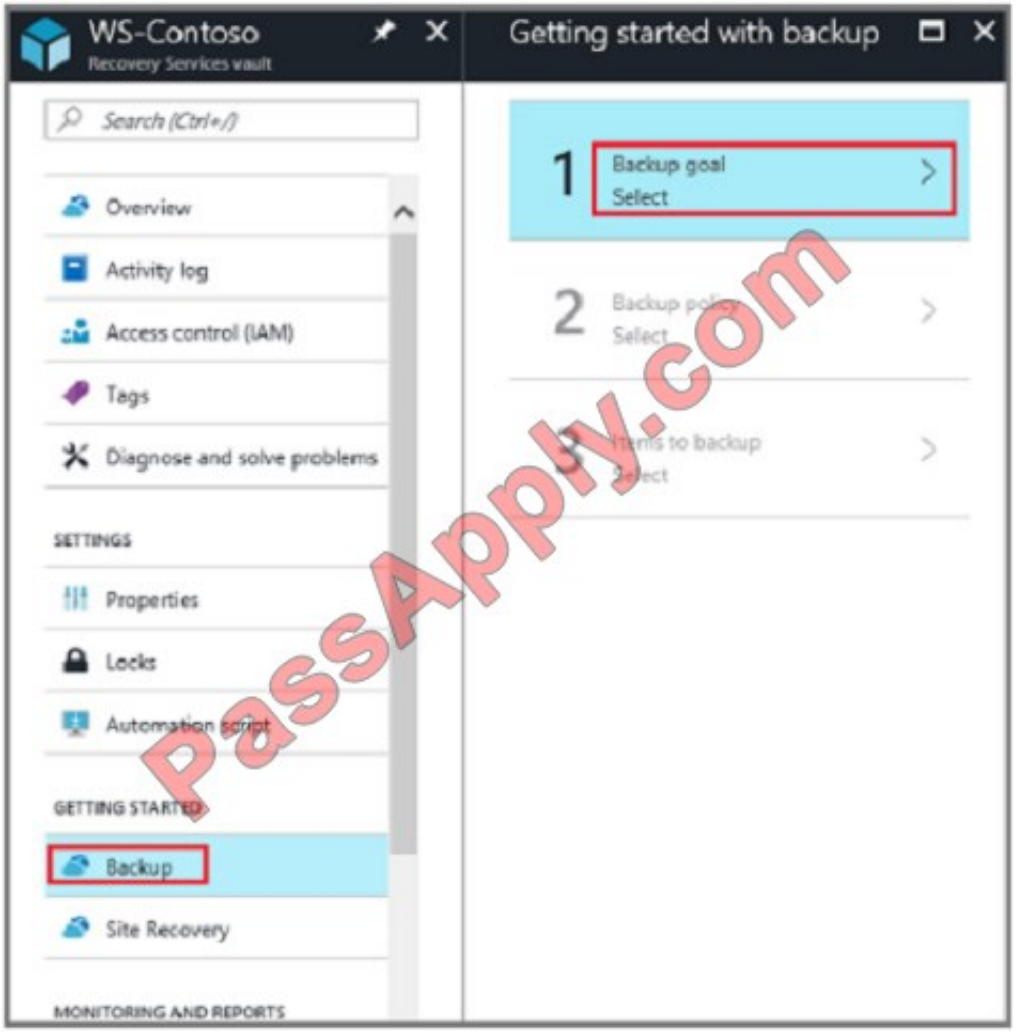


If there are recovery services vaults in the subscription, the vaults are listed. A2. On the Recovery Services vaults menu, click Add.

Task B. Create a backup goal

B1. On the Recovery Services vault blade (for the vault you just created), in the Getting Started section, click Backup, then on the Getting Started with Backup blade, select Backup goal.

A3. The Recovery Services vault blade opens, prompting you to provide a Name, Subscription, Resource group, and Location



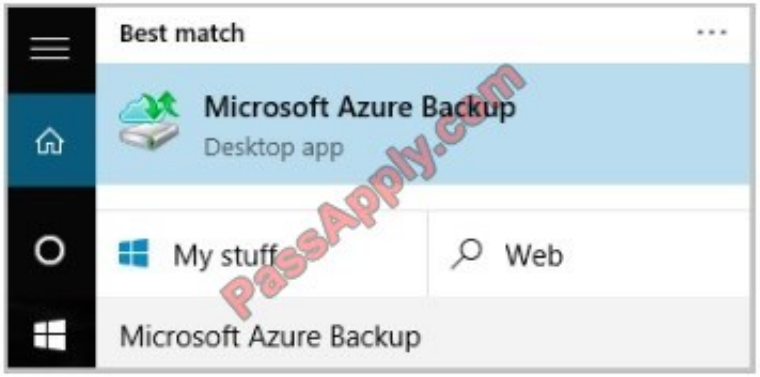
The Backup Goal blade opens. If the Recovery Services vault has been previously configured, then the Backup Goal blades opens when you click Backup on the Recovery Services vault blade. B2. From the Where is your workload running? drop-down menu, select Azure.

B3. From the What do you want to backup? menu, select Blob Storage, and click OK.

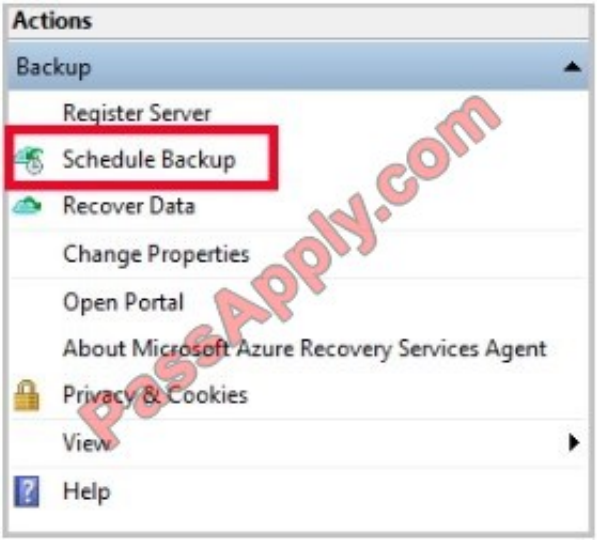
B4. Finish the Wizard.

Task C. create a backup schedule

C1. Open the Microsoft Azure Backup agent. You can find it by searching your machine for Microsoft Azure Backup.



C2. In the Backup agent\\'s Actions pane, click Schedule Backup to launch the Schedule Backup Wizard.



C3. On the Getting started page of the Schedule Backup Wizard, click Next.

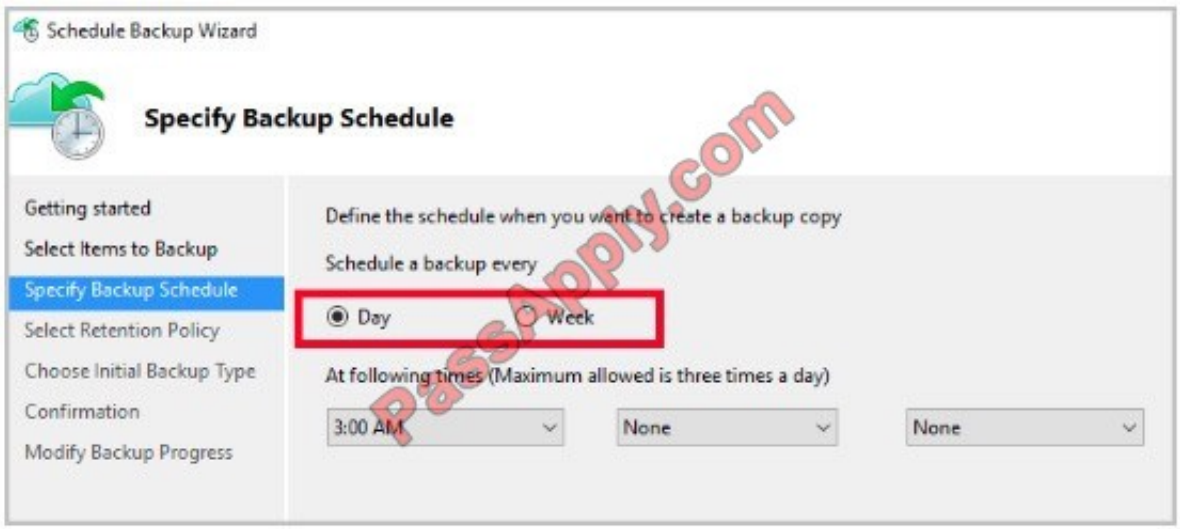
C4. On the Select Items to Backup page, click Add Items.

The Select Items dialog opens.

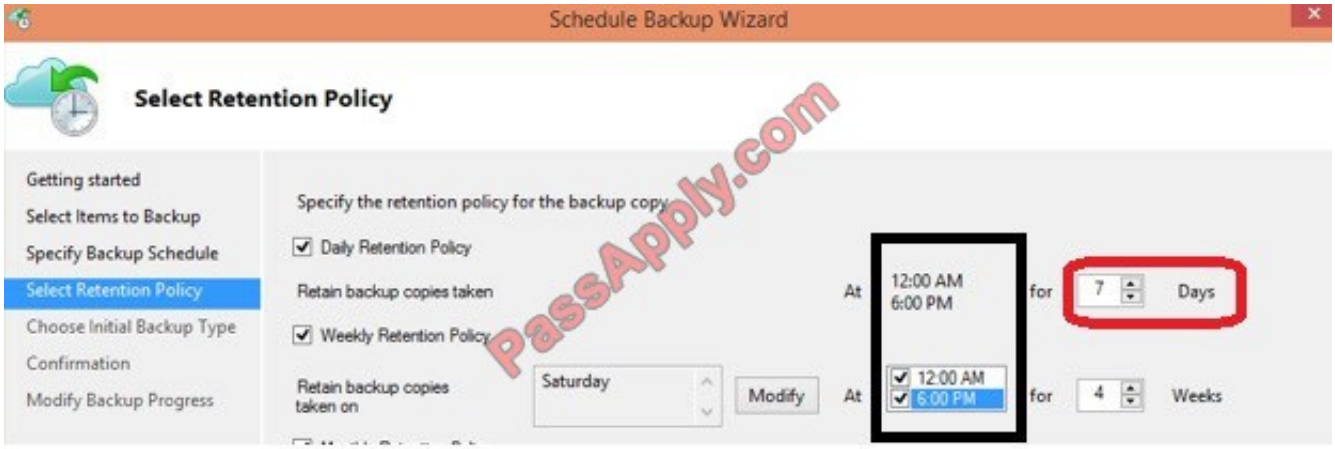
C5. Select Blob Storage you want to protect, and then click OK.

C6.In the Select Items to Backup page, click Next.

On the Specify Backup Schedule page, specify Schedule a backup every day, and click Next.



C7. On the Select Retention Policy page, set it to 14 days, and click Next.



C8. Finish the Wizard.

References: https://docs.microsoft.com/en-us/azure/backup/backup-configure-vault

QUESTION 11

SIMULATION

You plan to back up all the Azure virtual machines in your Azure subscription at 02:00 Coordinated Universal Time (UTC) daily.

You need to prepare the Azure environment to ensure that any new virtual machines can be configured quickly for backup. The solution must ensure that all the daily backups performed at 02:00 UTC are stored for only 90 days.

What should you do from your Recovery Services vault on the Azure portal?

Correct Answer: See below.

Task A: Create a Recovery Services vault (if a vault already exists skip this task, go to Task B below)

A1. From Azure Portal, On the Hub menu, click All services and in the list of resources, type Recovery Services and click Recovery Services vaults.

If there are recovery services vaults in the subscription, the vaults are listed.

A2. On the Recovery Services vaults menu, click Add.

A3. The Recovery Services vault blade opens, prompting you to provide a Name, Subscription, Resource group, and Location

Task B.

B1. On the Recovery Services vault blade (for the vault you just created), in the Getting Started section, click Backup, then on the Getting Started with Backup blade, select Backup goal.

The Backup Goal blade opens. If the Recovery Services vault has been previously configured, then the Backup Goal blades opens when you click Backup on the Recovery Services vault blade.

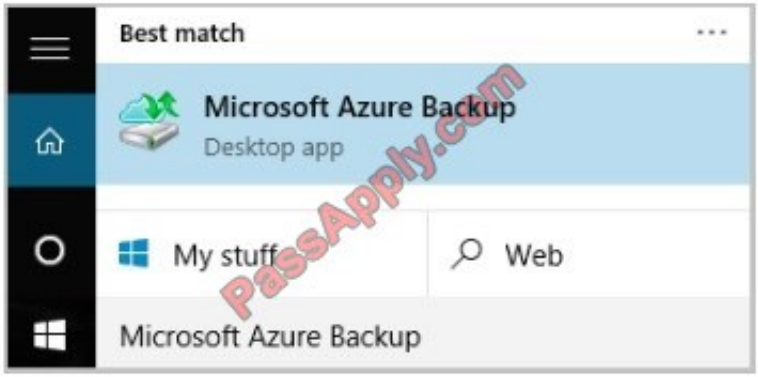
B2. From the Where is your workload running? drop-down menu, select Azure.

B3. From the What do you want to backup? menu, select Virtual Machine, and click OK.

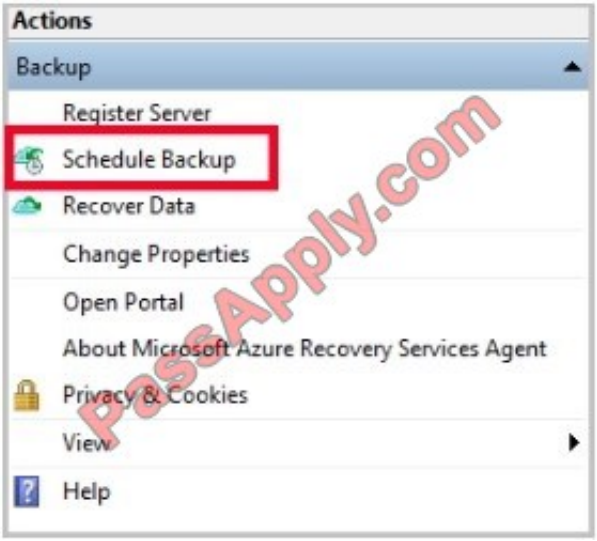
Task C. create a backup schedule

C1. Open the Microsoft Azure Backup agent. You can find it by searching your machine for Microsoft Azure Backup.

B4. Finish the Wizard.



C2. In the Backup agent\\'s Actions pane, click Schedule Backup to launch the Schedule Backup Wizard.



C3. On the Getting started page of the Schedule Backup Wizard, click Next.

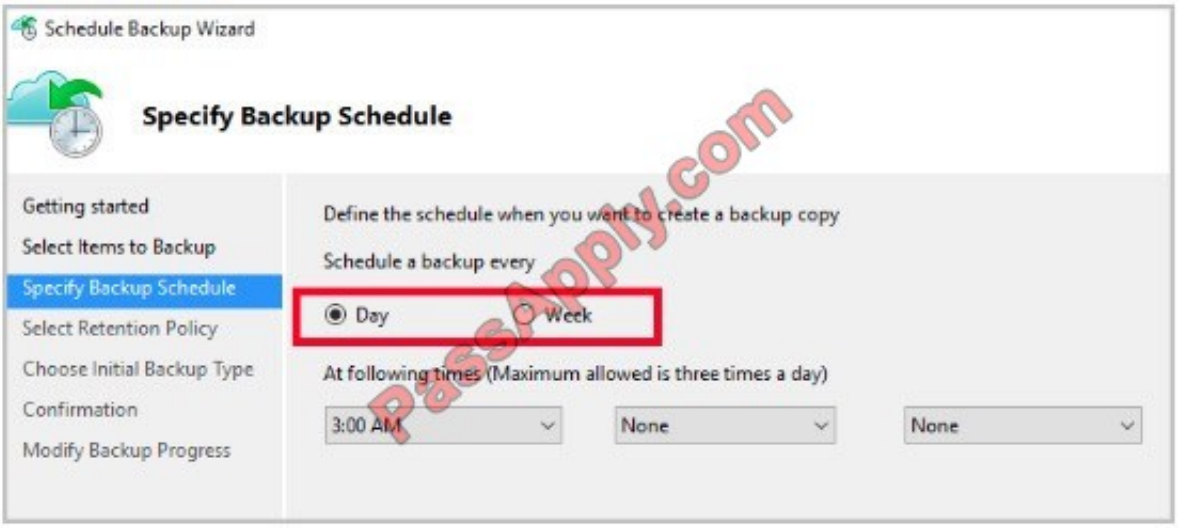
C4. On the Select Items to Backup page, click Add Items.

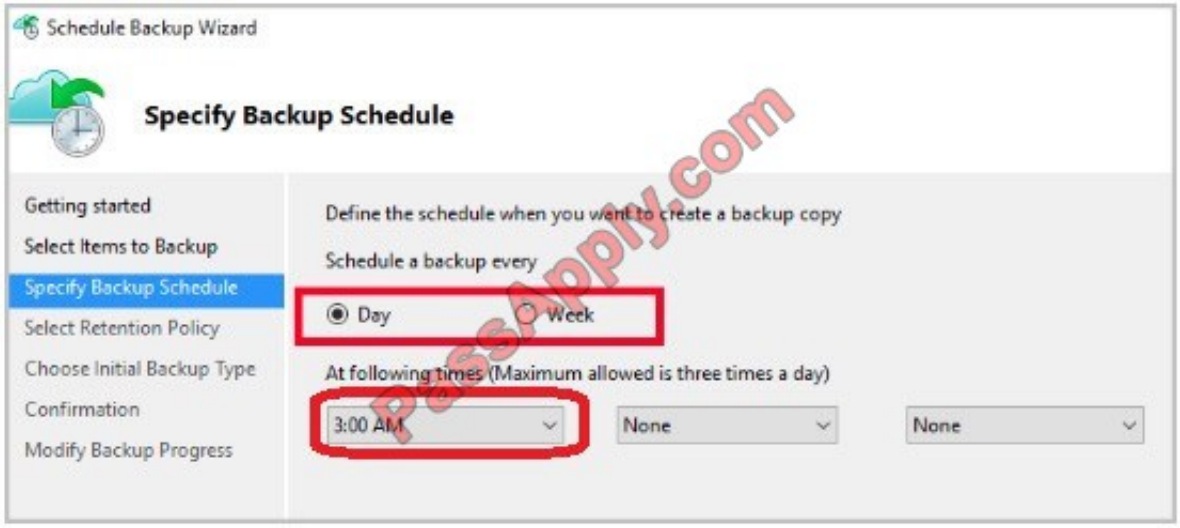
The Select Items dialog opens.

C5. Select Blob Storage you want to protect, and then click OK.

C6.In the Select Items to Backup page, click Next.

On the Specify Backup Schedule page, specify Schedule a backup every: day At the following times: 2.00 AM C7. On the Select Retention Policy page, set it to 90 days, and click Next.





C8. Finish the Wizard.

References: https://docs.microsoft.com/en-us/azure/backup/backup-configure-vault

QUESTION 12

You develop an entertainment application where users can buy and trade virtual real estate. The application must scale to support thousands of users.

The current architecture includes five Azure virtual machines (VM) that connect to an Azure SQL Database for account information and Azure Table Storage for backend services. A user interacts with these components in the cloud at any

given time.

Routing Service ?Routes a request to the appropriate service and must not persist data across sessions.

Account Service ?Stores and manages all account information and authentication and requires data to persist across sessions

User Service ?Stores and manages all user information and requires data to persist across sessions.

Housing Network Service ?Stores and manages the current real-estate economy and requires data to persist across sessions.

Trade Service ?Stores and manages virtual trade between accounts and requires data to persist across sessions.

Due to volatile user traffic, a microservices solution is selected for scale agility.

You need to migrate to a distributed microservices solution on Azure Service Fabric.

Solution: Deploy a Windows container to Azure Service Fabric for each component.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 13

You create the Azure resources shown in the following table.

Name	Resource type
VM1	Virtual machine
VM2	Virtual machine
Managed1	Managed identity
Managed2	Managed identity

You attempt to add a role assignment to a resource group as shown in the following exhibit.

What should you do to ensure that you can assign VM2 the Reader role for the resource group?

A. Modify the Reader role at the subscription level.

B. Configure just in time (JIT) VM access on VM2.

C. Configure Access control (IAM) on VM2.

D. Assign a managed identity to VM2.

Correct Answer: D

QUESTION 14

An administrator plans to create a function app in Azure that will have the following settings:

1.

Runtime stack: .NET Core

2.

Operating System: Linux

3.

Plan type: Consumption

4.

Enable Application Insights: Yes

You need to ensure that you can back up the function app. Which settings should you recommend changing before creating the function app?

A. Runtime stack

B. Enable Application Insights

C. Operating System

D. Plan type

Correct Answer: D

The Backup and Restore feature requires the App Service plan to be in the Standard, Premium or Isolated tier.

Reference: https://docs.microsoft.com/en-us/azure/app-service/manage-backup#requirements-and-restrictions

QUESTION 15

HOTSPOT

You have an Azure subscription.

You are planning data security for Azure resources.

You need to ensure that the data meets the following requirements:

1.

Data in Azure SQL databases that is at rest, in transit, and in use must be encrypted.

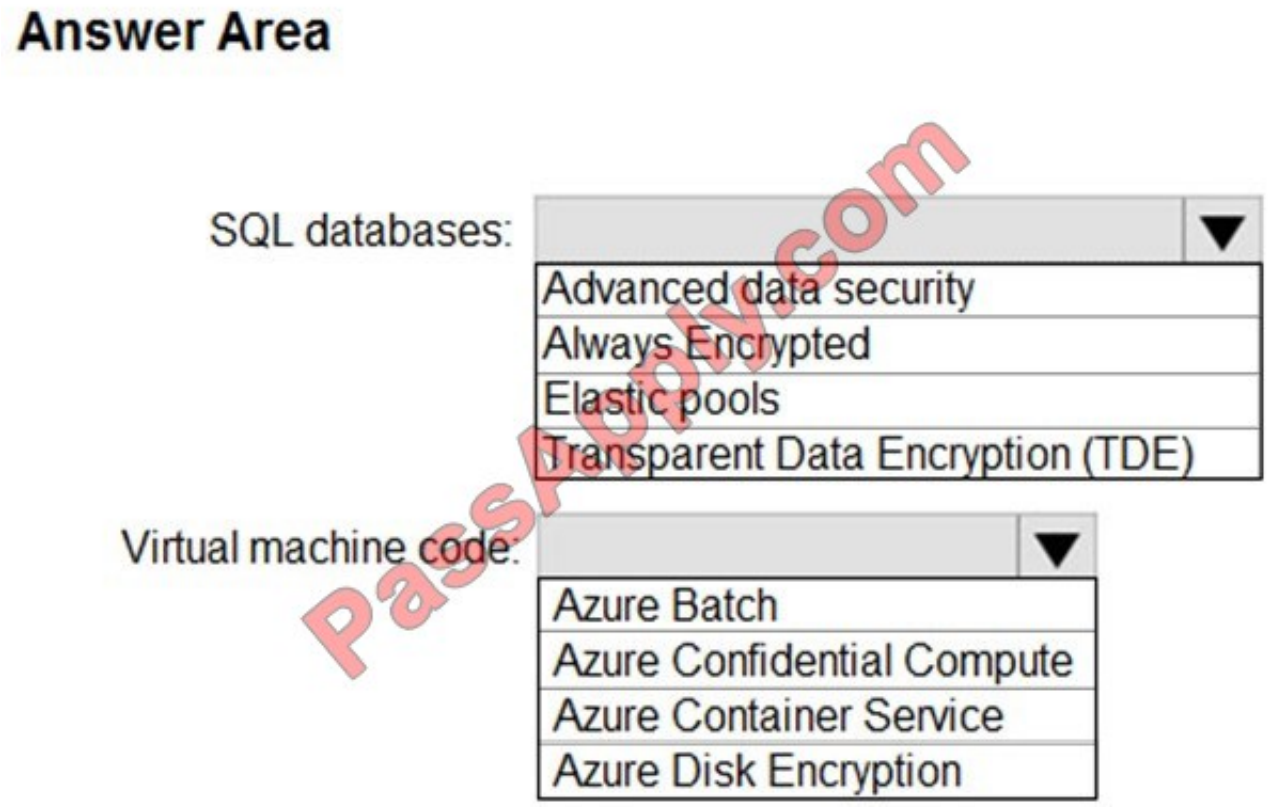
2.

The confidentiality of code on virtual machines must be protected while the code is being processed.

Which feature should you use for each requirement? To answer, select the appropriate options in the answer area.

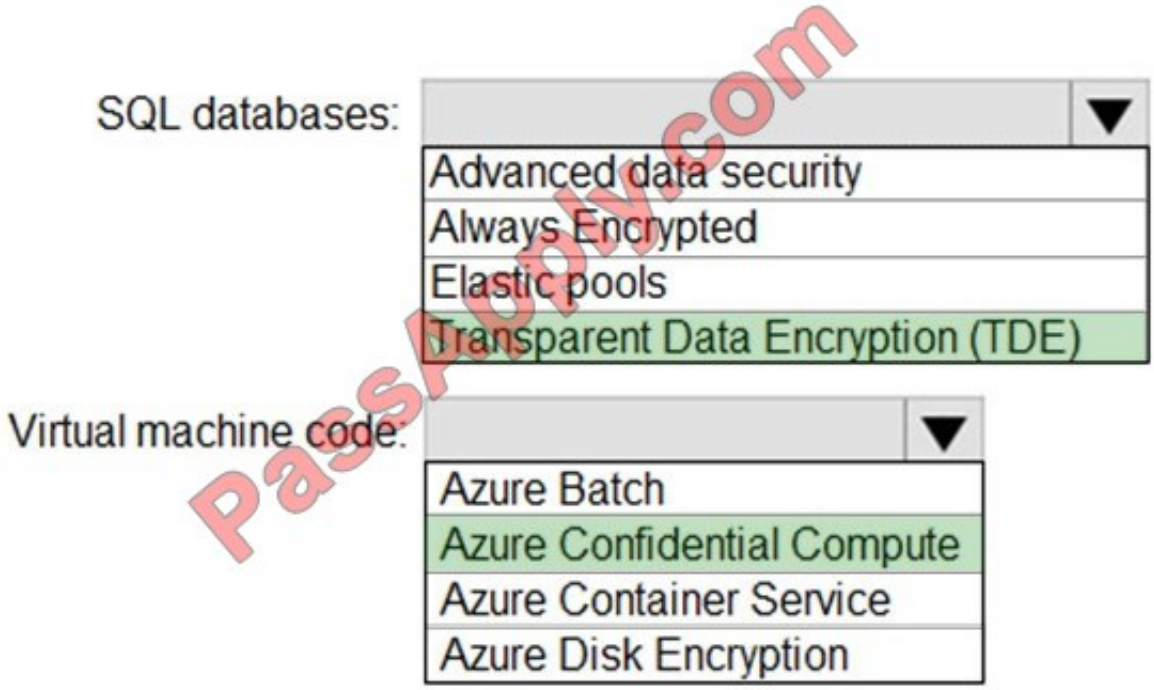
NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:

Answer Area



SQL Databases: Transparent Data Encryption (TDE)

Azure SQL Database currently supports encryption at rest for Microsoft-managed service side and client-side encryption scenarios.

Support for server encryption is currently provided through the SQL feature called Transparent Data Encryption. Once an Azure SQL Database customer enables TDE key are automatically created and managed for them. Encryption at rest

can be enabled at the database and server levels.

Virtual machine code: Azure confidential compute

Azure confidential computing protects your data while it\\'s in use. It is the final piece to enable data protection through its lifecycle whether at rest, in transit, or in use. It is the cornerstone of Microsoft\\'s ‘Confidential Cloud