AZ-303 Q&As

Microsoft Azure Architect Technologies

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QUESTION 1

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.

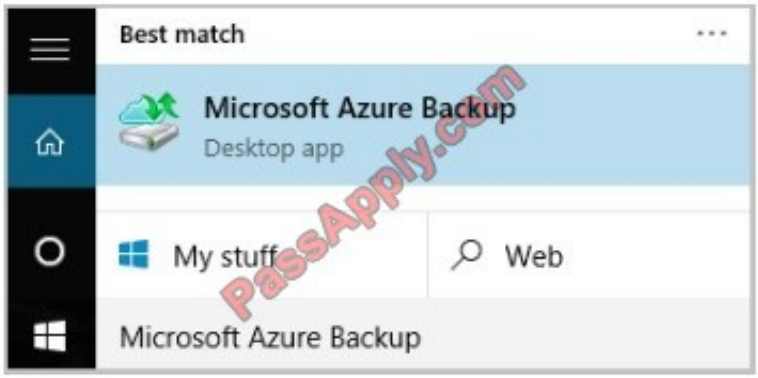
B2. From the Where is your workload running? drop-down menu, select Azure.

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

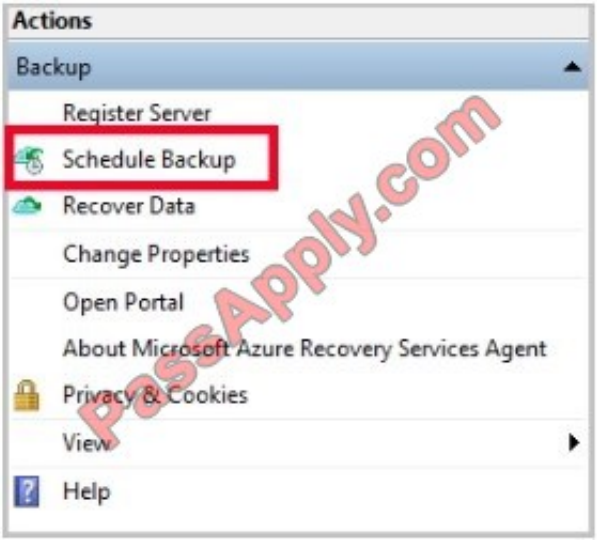
Task C. create a backup schedule

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.

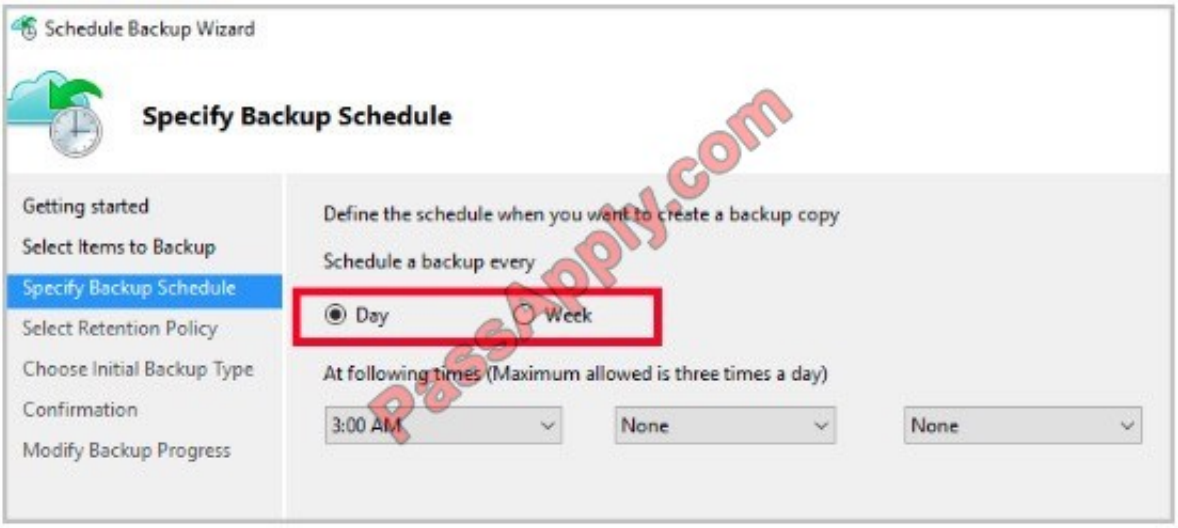
C4. On the Select Items to Backup page, click Add Items.

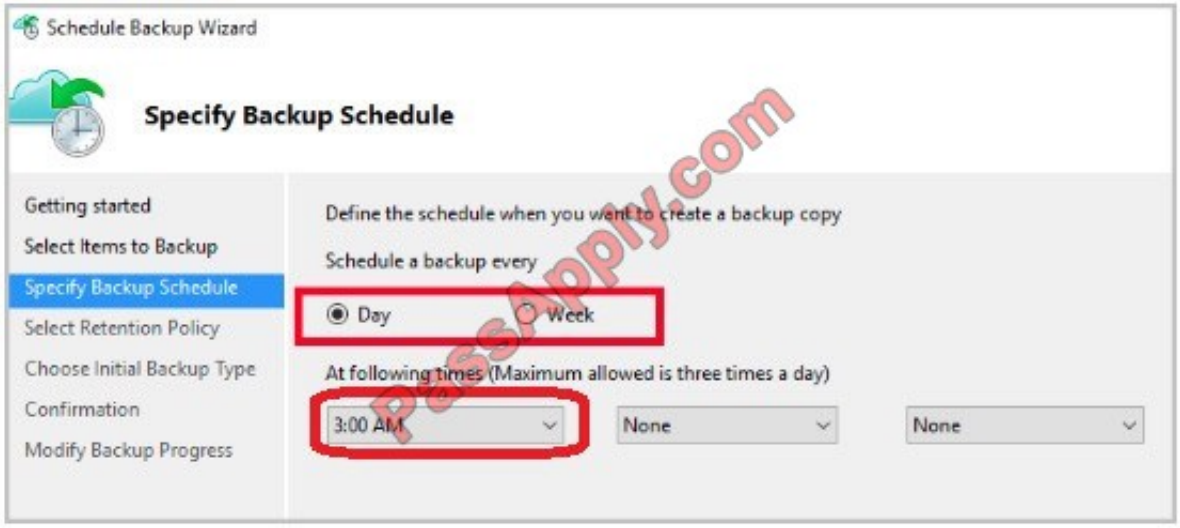
The Select Items dialog opens.

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 2

HOTSPOT

You have an Azure subscription named Subscription1. Supscription1 contains the resources in the following table.

Name	Type
RG1	Resource group
RG2	Resource group
VNet1	Virtual network
VNet2	Virtual network

VNet1 is in RG1. VNet2 is in RG2. There is no connectivity between VNet1 and VNet2.

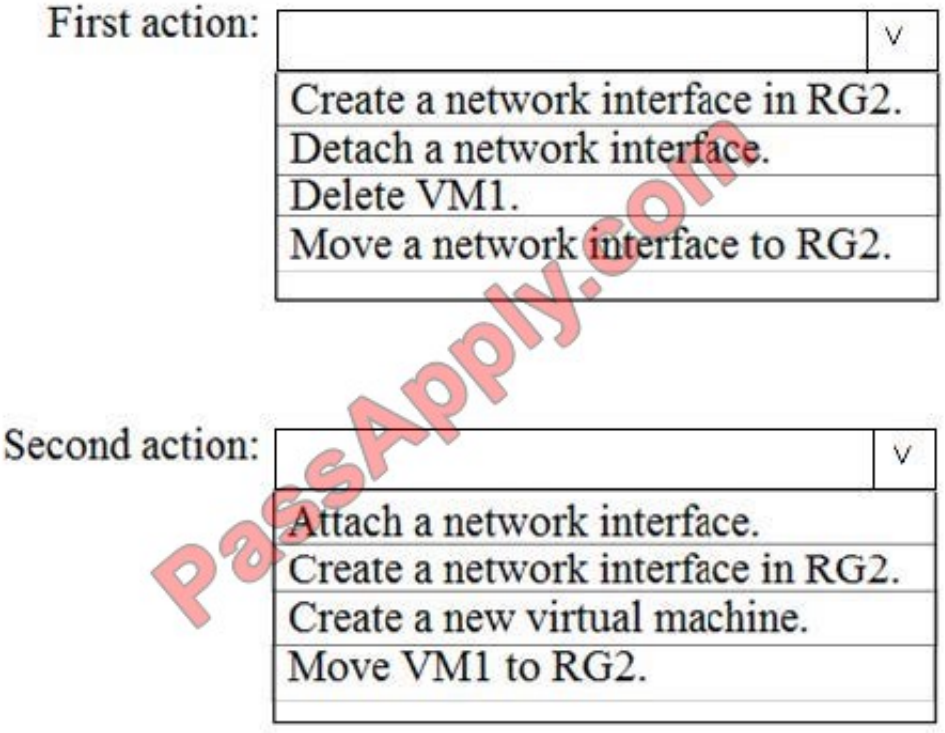
An administrator named Admin1 creates an Azure virtual machine named VM1 in RG1. VM1 uses a disk named Disk1 and connects to VNet1. Admin1 then installs a custom application in VM1.

You need to move the custom application to VNet2. The solution must minimize administrative effort.

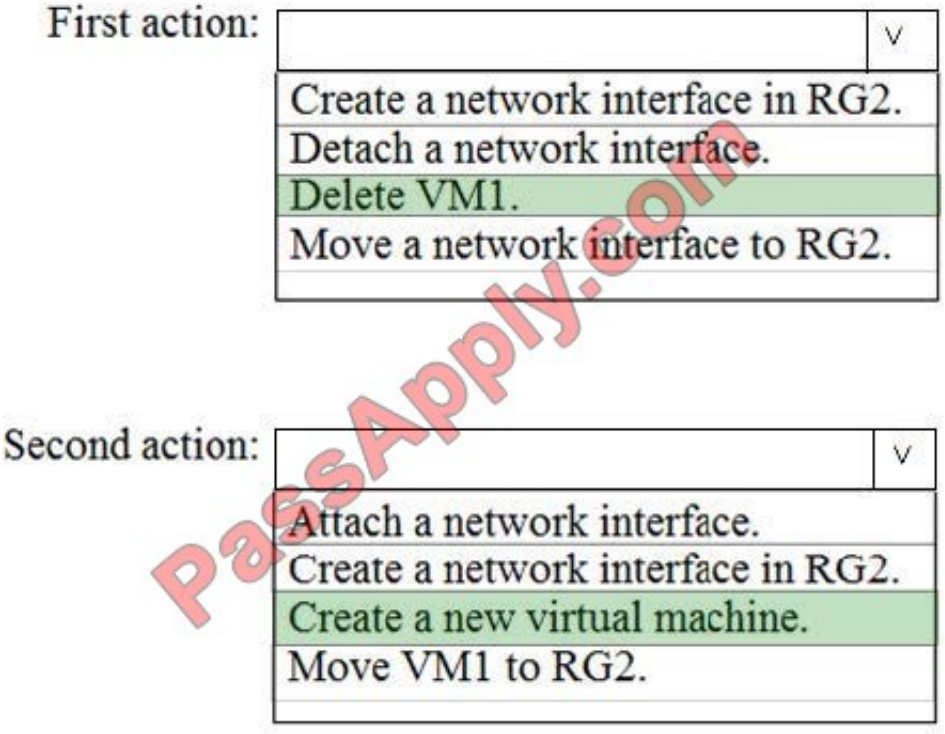
Which two actions should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



We cannot just move a virtual machine between networks. What we need to do is identify the disk used by the VM, delete the VM itself while retaining the disk, and recreate the VM in the target virtual network and then attach the original disk to it.

Reference: https://blogs.technet.microsoft.com/canitpro/2014/06/16/step-by-step-move-a-vm-to-a-different-vnet-on-

azure/ https://4sysops.com/archives/move-an-azure-vm-to-another-virtual-network-vnet/#migrate-an-azure-vm-between-vnets

QUESTION 3

You need to define a custom domain name for Azure AD to support the planned infrastructure. Which domain name should you use?

A. ad.humongousinsurance.com

B. humongousinsurance.local

C. humongousinsurance.com

D. humongousinsurance.onmicrosoft.com

Correct Answer: C

Every Azure AD directory comes with an initial domain name in the form of domainname.onmicrosoft.com. The initial domain name cannot be changed or deleted, but you can add your corporate domain name to Azure AD as well. For

example, your organization probably has other domain names used to do business and users who sign in using your corporate domain name. Adding custom domain names to Azure AD allows you to assign user names in the directory that

are familiar to your users, such as 'alice@contoso.com.' instead of \\'alice@domain name.onmicrosoft.com\\'.

Scenario:

Network Infrastructure: Each office has a local data center that contains all the servers for that office. Each office has a dedicated connection to the Internet.

Humongous Insurance has a single-domain Active Directory forest named humongousinsurance.com

Planned Azure AD Infrastructure: The on-premises Active Directory domain will be synchronized to Azure AD.

References:

https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/add-custom-domain

QUESTION 4

HOTSPOT

You have an Azure subscription.

You plan to deploy an app that has a web front end and an application tier.

You need to recommend a load balancing solution that meets the following requirements:

Internet to web tier:

-Provides URL-based routing

-Supports connection draining

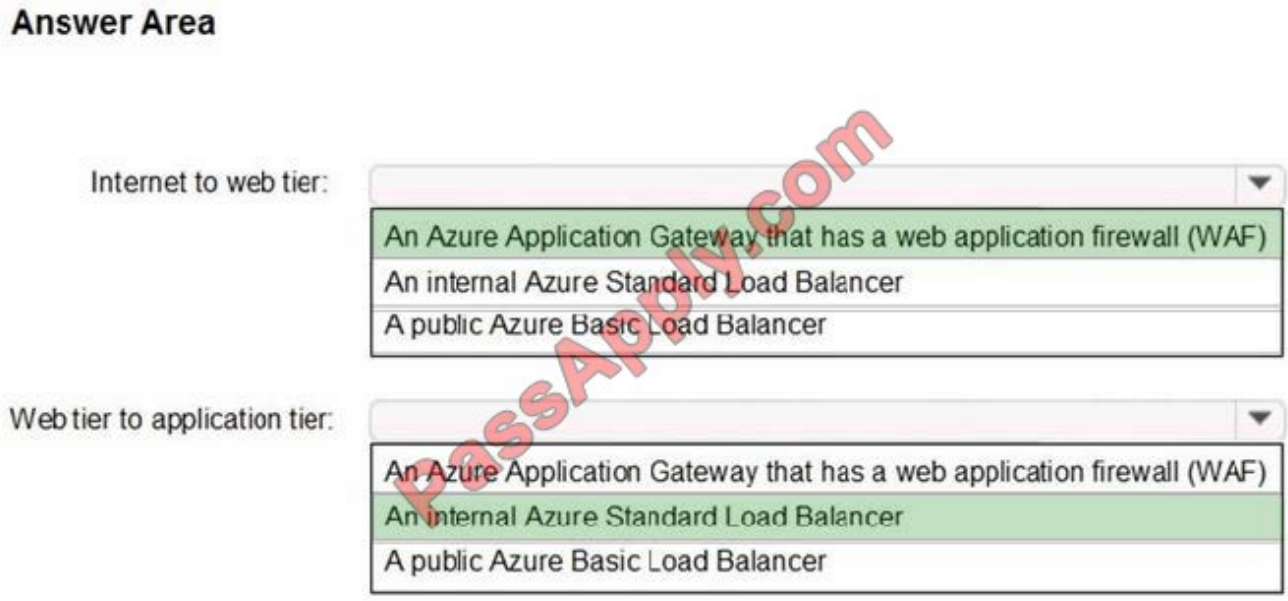
-Prevents SQL injection attacks Web tier to application tier:

-Provides port forwarding

-Supports HTTPS health probes

-Supports an availability set as a backend pool Which load balancing solution should you recommend for each tier? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point. Hot Area:

Correct Answer:



Box 1: An Azure Application Gateway that has a web application firewall (WAF)

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.

Application Gateway operates as an application delivery controller (ADC). It offers Secure Sockets Layer (SSL) termination, cookie-based session affinity, round-robin load distribution, content-based routing, ability to host multiple websites,

and security enhancements.

Box 2: An internal Azure Standard Load Balancer

The internet to web tier is the public interface, while the web tier to application tier should be internal.

Note: When using load-balancing rules with Azure Load Balancer, you need to specify a health probes to allow Load Balancer to detect the backend endpoint status.

Health probes support the TCP, HTTP, HTTPS protocols.

References:

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

https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-custom-probe-overview

QUESTION 5

HOTSPOT

You have an Azure subscription.

You plan to deploy two Azure web apps that have the requirements shown in the following table.

Name	Requirement
App1	• Accessible by using a URL of https://app1.contoso.com • Scalable to two instances during busy periods • Supports two deployment slots
App2	• Accessible by using a URL of https://app2.contoso.com • Scalable to 15 instances during busy periods • Supports three deployment slots

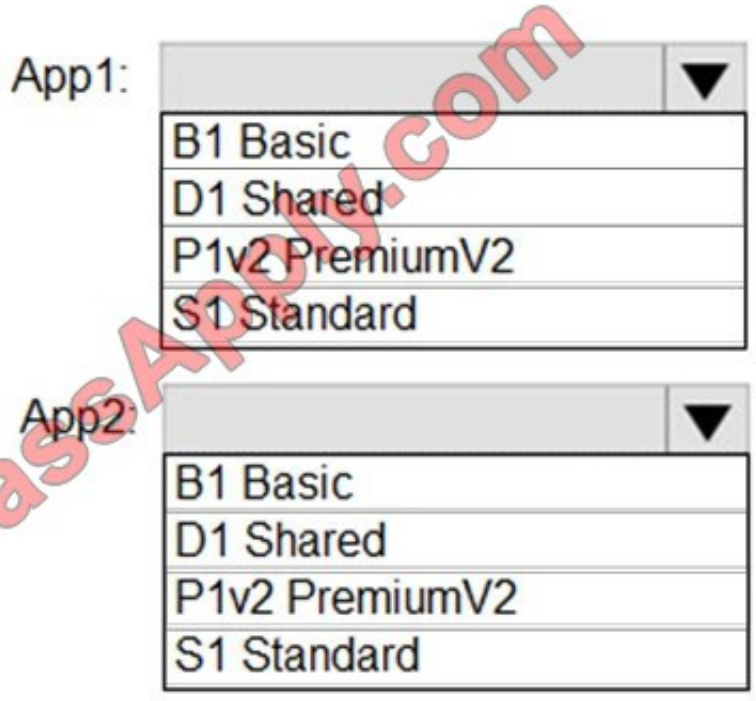
You need to select the App Service plans for the web apps. The solution must minimize costs.

Which App Service plan should you select for each web app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

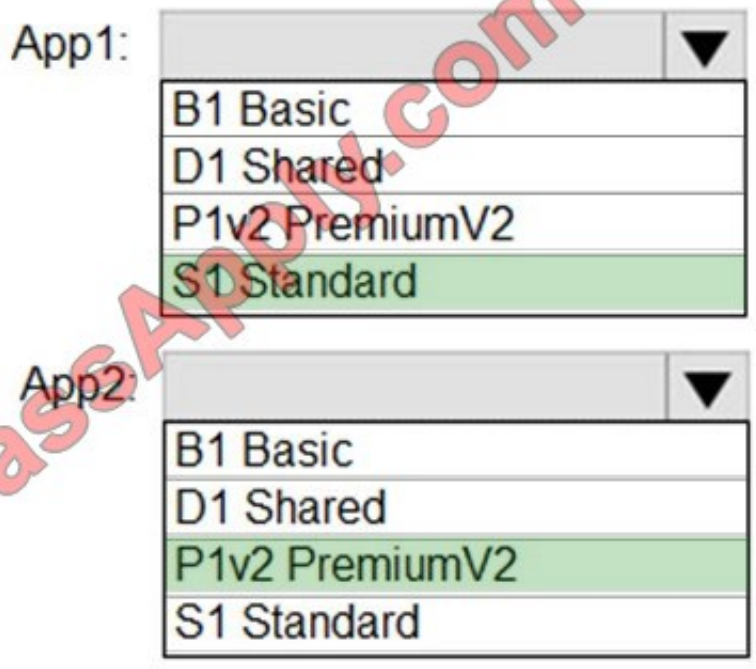
Hot Area:

Answer Area



Correct Answer:

Answer Area



	FREE	SHARED	BASIC	STANDARD	PREMIUM	ISOLATED *	APP SERVICE LINUX	CONSUMPTION PLAN (FUNCTIONS)
– Limits **								
Apps	10	100	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	500
Disk space	1 GB	1 GB	10 GB	50 GB	250 GB	1 TB		
Max instances			Up to 3	Up to 10	Up to 20	Up to 100		
SLA			99.95%	99.95%	99.95%	99.95%		
Functions on App Service Plans *			✓	✓	✓	✓		
– App Deployment								
Continuous Deployment *	✓	✓	✓	✓	✓	✓ 3	✓	✓
Deployment Slots				✓	✓	✓	✓	

Reference: https://azure.microsoft.com/en-us/pricing/details/app-service/plans/