



### Microsoft Azure Architect Design

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#### **QUESTION 1**

You plan to deploy an API by using Azure API Management.

You need to recommend a solution to protect the API from a distributed denial of service (DDoS) attack.

What should you recommend?

- A. Create network security groups (NSGs).
- B. Enable quotas.
- C. Enable rate limiting.
- D. Strip the Powered-By responsible header.

Correct Answer: C

#### **QUESTION 2**

Note: This question is a part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

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

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

You create an Azure Active Directory (Azure AD) group named ResearchUsers that contains the user accounts of all researchers.

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

1.

The researchers must be allowed to create Azure virtual machines.

2.

The researchers must only be able to create Azure virtual machines by using specific Azure Resource Manager templates.

Solution: Create a lab in Azure DevTest Lab. Configure the DevTest Labs settings. Assign the DevTest Labs User role to the ResearchUsers group.

Does this meet the goal?

A. Yes

B. No



#### Correct Answer: B

Instead: On RG1, assign the Contributor role to the ResearchUsers group. Create a custom Azure Policy definition and assign the policy to RG1.

#### **QUESTION 3**

The accounting department at your company migrates to a new financial accounting software. The accounting department must keep file-based database backups for seven years for compliance purposes. It is unlikely that the backups will be

used to recover data.

You need to move the backups to Azure. The solution must minimize costs.

Where should you store the backups?

- A. Azure SQL Database
- B. Azure Blob storage that uses the Archive tier
- C. a Recovery Services vault
- D. Azure Blob storage that uses the Cool tier

Correct Answer: B

#### **QUESTION 4**

You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows. You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:

1.

Minimize costs.

2.

Provide business continuity if an Azure region fails.

3.

Provide a recovery time objective (RTO) of 120 minutes.

4.

Provide a recovery point objective (RPO) of five minutes. What should you include in the recommendation?

A. Microsoft System Center Data Protection Manager (DPM)

B. Azure Site Recovery



- C. unmanaged disks that use geo-redundant storage (GRS)
- D. Azure Backup

Correct Answer: C

If your storage account has GRS enabled, then your data is durable even in the case of a complete regional outage or a disaster in which the primary region isn\\'t recoverable.

Note: The recovery time objective (RTO) is the targeted duration of time and a service level within which a business process must be restored after a disaster (or disruption) in order to avoid unacceptable consequences associated with a

break in business continuity.

Incorrect Answers:

B: Azure Site Recovery would not protect against an Azure region failure. Azure Site Recovery guarantees a two-hour Recovery Time Objective. Reference:

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

https://azure.microsoft.com/en-us/support/legal/sla/site-recovery/v1\_0/

#### **QUESTION 5**

You are designing an Azure Web App that includes many static content files.

The application is accessed from locations all over the world by using a custom domain name.

You need to recommend an approach for providing access to the static content with the least amount of latency.

Which two actions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Configure a custom domain name that is an alias for the Azure Storage domain.

- B. Configure a CNAME DNS record for the Azure Content Delivery Network (CDN) domain.
- C. Place the static content in Azure Table storage.
- D. Place the static content in Azure Blob storage and enable Content Delivery Network (CDN) on the account.
- Correct Answer: BD

D: Add Azure Content Delivery Network (CDN) to a web app in Azure App Service.

B: When you use a CDN endpoint to deliver content, a custom domain is necessary if you would like your own domain name to be visible in your CDN URL. Having a visible domain name can be convenient for your customers and useful for

branding purposes.

Create a CNAME DNS record, and associate the custom domain with your CDN endpoint.



Reference:

https://docs.microsoft.com/en-us/azure/cdn/cdn-map-content-to-custom-domain

https://docs.microsoft.com/en-us/azure/cdn/cdn-add-to-web-app

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