



# AZ-304<sup>Q&As</sup>

Microsoft Azure Architect Design Exam

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**QUESTION 1**

DRAG DROP

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that uses the Basic license.

You plan to deploy two applications to Azure. The applications have the requirements shown in the following table.

Application name	Requirement
Customer	Users must authenticate by using a personal Microsoft account and multi-factor authentication
Reporting	Users must authenticate by using either Contoso credentials or a personal Microsoft account. You must be able to manage the accounts from Azure AD.

Which authentication strategy should you recommend for each application? To answer, drag the appropriate authentication strategies to the correct applications. Each authentication strategy 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:

**Authentication Strategies**

- An Azure AD B2C tenant
- An Azure AD v1.0 endpoint
- An Azure AD v2.0 endpoint

**Answer Area**

Customer:

Authentication strategy

Reporting:

Authentication strategy

Correct Answer:



### Authentication Strategies

[Empty box]

An Azure AD v1.0 endpoint

[Empty box]

### Answer Area

Customer: An Azure AD v2.0 endpoint

Reporting: An Azure AD B2C tenant

Box 1: Azure AD V2.0 endpoint

Microsoft identity platform is an evolution of the Azure Active Directory (Azure AD) developer platform. It allows developers to build applications that sign in all Microsoft identities and get tokens to call Microsoft APIs, such as Microsoft Graph,

or APIs that developers have built. The Microsoft identity platform consists of:

OAuth 2.0 and OpenID Connect standard-compliant authentication service that enables developers to authenticate any Microsoft identity, including:

Work or school accounts (provisioned through Azure AD)

Personal Microsoft accounts (such as Skype, Xbox, and Outlook.com)

Social or local accounts (via Azure AD B2C)

Box 2: Azure AD B2C tenant

Azure Active Directory B2C provides business-to-customer identity as a service. Your customers use their preferred social, enterprise, or local account identities to get single sign-on access to your applications and APIs.

Azure Active Directory B2C (Azure AD B2C) integrates directly with Azure Multi-Factor Authentication so that you can add a second layer of security to sign-up and sign-in experiences in your applications.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory-b2c/active-directory-b2c-reference-mfa>

<https://docs.microsoft.com/en-us/azure/active-directory/develop/v2-overview>

### QUESTION 2

You are planning to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions.

You need to recommend a storage solution for App1. Updated container images must be replicated automatically to all the AKS clusters.

Which storage solution should you recommend?



- A. Premium SKU Azure Container Registry
- B. Azure Content Delivery Network (CDN)
- C. geo redundant storage (GRS) accounts
- D. Azure Cache for Redis

Correct Answer: A

Enable geo-replication for container images.

Best practice: Store your container images in Azure Container Registry and geo-replicate the registry to each AKS region.

To deploy and run your applications in AKS, you need a way to store and pull the container images. Container Registry integrates with AKS, so it can securely store your container images or Helm charts. Container Registry supports

multimaster geo-replication to automatically replicate your images to Azure regions around the world.

Geo-replication is a feature of Premium SKU container registries.

Note:

When you use Container Registry geo-replication to pull images from the same region, the results are:

Faster: You pull images from high-speed, low-latency network connections within the same Azure region.

More reliable: If a region is unavailable, your AKS cluster pulls the images from an available container registry.

Cheaper: There's no network egress charge between datacenters.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/operator-best-practices-multi-region>

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### QUESTION 3

Note: This question is part of a 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 on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux. You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account, and then using Azure Migrate.

Does this meet the goal?

- A. Yes



B. No

Correct Answer: B

To ensure that the virtual machines remain available during the migration, use Azure Site Recovery.

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

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#### QUESTION 4

You have Azure virtual machines that run a custom line-business web application. You plan to use a third- party solution to parse event logs from the virtual machine stored in an Azure storage account. You need to recommend a so to save the event logs from the virtual. What should you include in recommendation?

- A. Azure VM Diagnostics Extension
- B. Azure Monitor
- C. Azure log Analytics
- D. event log subscriptions

Correct Answer: A

References: <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/extensions-diagnostics>

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#### QUESTION 5

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What would you include in the recommendation?

- A. Azure Traffic Manager
- B. Azure Notification Hubs
- C. Azure Blob storage
- D. Azure Queue storage

Correct Answer: D

Asynchronous messaging can be implemented in a variety of different ways. With queues, topics, and subscriptions.

The queue service REST API: The Queue service stores messages that may be read by any client who has access to the storage account.

Incorrect Answers:



B: Azure Notification Hubs provide an easy-to-use and scaled-out push engine that allows you to send notifications to any platform. This communication is not asynchronous, however.

Reference: <https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-async-messaging>  
<https://docs.microsoft.com/en-us/rest/api/storageservices/queue-service-rest-api>

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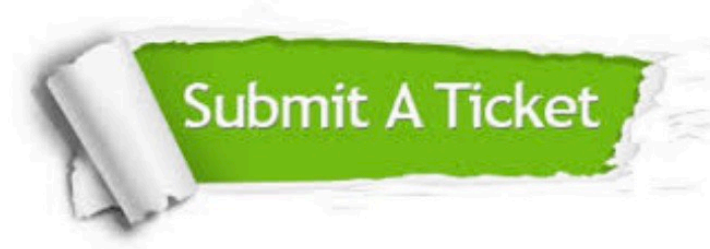
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