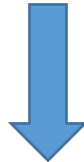# Microsoft Azure Certification AZ-204 Exam

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➢ **Vendor: Microsoft**

➢ **Exam Code: AZ-204**

➢ **Exam Name: Developing Solutions for Microsoft Azure**

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NEW QUESTION 1
You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2. When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute. You need to design the process that starts the photo processing.
Solution: Convert the Azure Storage account to a BlockBlobStorage storage account.
Does the solution meet the goal?

A.      Yes
B.      No

Answer: B
Explanation:
Not necessary to convert the account, instead move photo processing to an Azure Function triggered from the blob upload. Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow. Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview

NEW QUESTION 2
You develop a software as a service (SaaS) offering to manage photographs. Users upload photos to a web service which then stores the photos in Azure Storage Blob storage. The storage account type is General-purpose V2. When photos are uploaded, they must be processed to produce and save a mobile-friendly version of the image. The process to produce a mobile-friendly version of the image must start in less than one minute. You need to design the process that starts the photo processing.
Solution: Move photo processing to an Azure Function triggered from the blob upload.
Does the solution meet the goal?

A.      Yes
B.      No

Answer: A
Explanation:
Azure Storage events allow applications to react to events. Common Blob storage event scenarios include image or video processing, search indexing, or any file-oriented workflow. Events are pushed using Azure Event Grid to subscribers such as Azure Functions, Azure Logic Apps, or even to your own http listener. Note: Only storage accounts of kind StorageV2 (general purpose v2) and BlobStorage support event integration. Storage (general purpose v1) does not support integration with Event Grid.
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview

NEW QUESTION 3
You are developing an application that uses Azure Blob storage. The application must read the transaction logs of all the changes that occur to the blobs and the blob metadata in the storage account for auditing purposes. The changes must be in the order in which they occurred, include only create, update, delete, and copy operations and be retained for compliance reasons. You need to process the transaction logs asynchronously. What should you do?

A.      Process all Azure Blob storage events by using Azure Event Grid with a subscriber Azure Function app.

B.      Enable the change feed on the storage account and process all changes for available events.
C.      Process all Azure Storage Analytics logs for successful blob events.
D.      Use the Azure Monitor HTTP Data Collector API and scan the request body for successful blob events.

Answer: B
Explanation:
Change feed support in Azure Blob Storage. The purpose of the change feed is to provide transaction logs of all the changes that occur to the blobs and the blob metadata in your storage account. The change feed provides ordered, guaranteed, durable, immutable, read-only log of these changes. Client applications can read these logs at any time, either in streaming or in batch mode. The change feed enables you to build efficient and scalable solutions that process change events that occur in your Blob Storage account at a low cost.
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-change-feed

NEW QUESTION 4
You are developing a web app that is protected by Azure Web Application Firewall (WAF). All traffic to the web app is routed through an Azure Application Gateway instance that is used by multiple web apps. The web app address is contoso.azurewebsites.net. All traffic must be secured with SSL. The Azure Application Gateway instance is used by multiple web apps. You need to configure the Azure Application Gateway for the app. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A.      In the Azure Application Gateway's HTTP setting, enable the Use for App service setting.
B.      Convert the web app to run in an Azure App service environment (ASE).
C.      Add an authentication certificate for contoso.azurewebsites.net to the Azure Application gateway.
D.      In the Azure Application Gateway's HTTP setting, set the value of the Override backend path option to contoso22.azurewebsites.net.

Answer: AD
Explanation:
A (not C): SSL termination and end to end SSL with multi-tenant services. In case of end to end SSL, trusted Azure services such as Azure App service web apps do not require whitelisting the backends in the application gateway. Therefore, there is no need to add any authentication certificates.
D: The ability to specify a host override is defined in the HTTP settings and can be applied to any back-end pool during rule creation. The ability to derive the host name from the IP or FQDN of the back-end pool members. HTTP settings also provide an option to dynamically pick the host name from a back-end pool member's FQDN if configured with the option to derive host name from an individual back-end pool member.
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-web-app-overview

NEW QUESTION 5
You develop Azure solutions. You must connect to a No-SQL globally-distributed database by using the .NET API. You need to create an object to configure and execute requests in the database. Which code segment should you use?

A.      new Container(EndpointUri, PrimaryKey);
B.      new Database(Endpoint, PrimaryKey);
C.      new CosmosClient(EndpointUri, PrimaryKey);

Answer: C

Explanation:
https://docs.microsoft.com/en-us/azure/cosmos-db/sql-api-get-started

NEW QUESTION 6
Your company is developing an Azure API. You need to implement authentication for the Azure API. You have the following requirements: All API calls must be secure. Callers to the API must not send credentials to the API. Which authentication mechanism should you use?

A.      Basic
B.      Anonymous
C.      Managed identity
D.      Client certificate

Answer: C
Explanation:
Use the authentication-managed-identity policy to authenticate with a backend service using the managed identity of the API Management service. This policy essentially uses the managed identity to obtain an access token from Azure Active Directory for accessing the specified resource. After successfully obtaining the token, the policy will set the value of the token in the Authorization header using the Bearer scheme.
https://docs.microsoft.com/bs-cyrl-ba/azure/api-management/api-management-authentication-policies

NEW QUESTION 7
You have a new Azure subscription. You are developing an internal website for employees to view sensitive data. The website uses Azure Active Directory (Azure AD) for authentication. You need to implement multifactor authentication for the website. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A.      Configure the website to use Azure AD B2C.
B.      In Azure AD, create a new conditional access policy.
C.      Upgrade to Azure AD Premium.
D.      In Azure AD, enable application proxy.
E.      In Azure AD conditional access, enable the baseline policy.

Answer: BC
Explanation:
B: MFA Enabled by conditional access policy. It is the most flexible means to enable two-step verification for your users. Enabling using conditional access policy only works for Azure MFA in the cloud and is a premium feature of Azure AD.
C: Multi-Factor Authentication comes as part of the following offerings:
- Azure Active Directory Premium licenses - Full featured use of Azure Multi-Factor Authentication Service (Cloud) or Azure Multi-Factor Authentication Server (on-premises)
- Multi-Factor Authentication for Office 365
- Azure Active Directory Global Administrators
https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted

NEW QUESTION 8
You are developing an ASP.NET Core Web API web service. The web service uses Azure Application Insights for all telemetry and dependency tracking. The web service reads and writes data to a database other than Microsoft SQL Server. You need to ensure that dependency tracking works for calls to the third-party database. Which two dependency telemetry properties should you use? (Each correct answer presents part of the solution. Choose two.)

A.      Telemetry.Context.Cloud.RoleInstance

B.    Telemetry.Id
C.    Telemetry.Name
D.    Telemetry.Context.Operation.Id
E.    Telemetry.Context.Session.Id

Answer: BD
Explanation:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/custom-operations-tracking

NEW QUESTION 9
You are developing an Azure Service application that processes queue data when it receives a message from a mobile application. Messages may not be sent to the service consistently. You have the following requirements:
- Queue size must not grow larger than 80 gigabytes (GB).
- Use first-in-first-out (FIFO) ordering of messages.
- Minimize Azure costs.
You need to implement the messaging solution.
Solution: Use the .Net API to add a message to an Azure Service Bus Queue from the mobile application. Create an Azure Function App that uses an Azure Service Bus Queue trigger.
Does the solution meet the goal?

A.    Yes
B.    No

Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-storage-queue-triggered-function

NEW QUESTION 10
You are developing an Azure solution to collect point-of-sale (POS) device data from 2,000 stores located throughout the world. A single device can produce 2 megabytes (MB) of data every 24 hours. Each store location has one to five devices that send data. You must store the device data in Azure Blob storage. Device data must be correlated based on a device identifier. Additional stores are expected to open in the future. You need to implement a solution to receive the device data.
Solution: Provision an Azure Notification Hub. Register all devices with the hub.
Does the solution meet the goal?

A.    Yes
B.    No

Answer: B
Explanation:
Instead use an Azure Service Bus, which is used order processing and financial transactions.
https://docs.microsoft.com/en-us/azure/event-grid/compare-messaging-services

NEW QUESTION 11
You are developing a solution that will use Azure messaging services. You need to ensure that the solution uses a publish-subscribe model and eliminates the need for constant polling. What are two possible ways to achieve the goal? (Each correct answer presents a complete solution. Choose two.)

A.    Service Bus
B.    Event Hub

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C.     Event Grid
D.     Queue

Answer: AC
Explanation:
It is strongly recommended to use available messaging products and services that support a publish-subscribe model, rather than building your own. In Azure, consider using Service Bus or Event Grid. Other technologies that can be used for pub/sub messaging include Redis, RabbitMQ, and Apache Kafka.
https://docs.microsoft.com/en-us/azure/architecture/patterns/publisher-subscriber

NEW QUESTION 12
A company is implementing a publish-subscribe (Pub/Sub) messaging component by using Azure Service Bus. You are developing the first subscription application. In the Azure portal you see that messages are being sent to the subscription for each topic. You create and initialize a subscription client object by supplying the correct details, but the subscription application is still not consuming the messages. You need to ensure that the subscription client processes all messages. Which code segment should you use?

A.     await                                          subscriptionClient.AddRuleAsync(new RuleDescription(RuleDescription.DefaultRuleName, new TrueFilter()));
B.     subscriptionClient = new SubscriptionClient(ServiceBusConnectionString, TopicName, SubscriptionName);
C.     await subscriptionClient.CloseAsync();
D.     subscriptionClient.RegisterMessageHandler(ProcessMessageAsync, messageHandlerOptions);
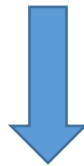
Answer: D
Explanation:
https://www.c-sharpcorner.com/article/azure-service-bus-topic-and-subscription-pub-sub/

NEW QUESTION 13
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