QUESTION 71
You deploy an API to API Management

You must secure all operations on the API by using a client certificate.

You need to secure access to the backend service of the API by using client certificates.

Which two security features can you use?

A. Azure AD token
B. Self-signed certificate
C. Certificate Authority (CA) certificate
D. Triple DES (3DES) cipher
E. Subscription key

Correct Answer: BC

QUESTION 72
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 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: Trigger the photo processing from Blob storage events.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
You need to catch the triggered event, so move the photo processing to an Azure Function triggered from the blob upload

Note:
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.

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.

Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-event-overview

QUESTION 73
HOTSPOT
You are building a website that is used to review restaurants. The website will use an Azure CDN to improve performance and add functionality to requests.

You build and deploy a mobile app for Apple iPhones. Whenever a user accesses the website from an iPhone, the user must be redirected to the app store.

You need to implement an Azure CDN rule that ensures that iPhone users are redirected to the app store.
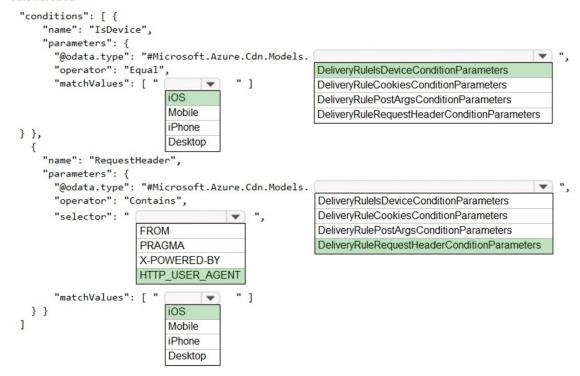
How should you complete the Azure Resource Manager template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
"conditions": [ {
    "name": "IsDevice",
    "parameters": {
      "@odata.type": "#Microsoft.Azure.Cdn.Models.[ ▼ ]",
      "operator": "Equal",
      "matchValues": [ "[ ▼ ]" ]
```

Dropdown 1 options:
```
iOS
Mobile
iPhone
Desktop
```

Dropdown 2 (@odata.type) options:
```
DeliveryRuleIsDeviceConditionParameters
DeliveryRuleCookiesConditionParameters
DeliveryRulePostArgsConditionParameters
DeliveryRuleRequestHeaderConditionParameters
```

```
} },
  {
    "name": "RequestHeader",
    "parameters": {
      "@odata.type": "#Microsoft.Azure.Cdn.Models.[ ▼ ]",
      "operator": "Contains",
      "selector": "[ ▼ ]",
```

Dropdown 3 (selector) options:
```
FROM
PRAGMA
X-POWERED-BY
HTTP_USER_AGENT
```

Dropdown 4 (@odata.type) options:
```
DeliveryRuleIsDeviceConditionParameters
DeliveryRuleCookiesConditionParameters
DeliveryRulePostArgsConditionParameters
DeliveryRuleRequestHeaderConditionParameters
```

```
      "matchValues": [ "[ ▼ ]" ]
  } }
]
```

Dropdown 5 options:
```
iOS
Mobile
iPhone
Desktop
```

Correct Answer:

Answer Area

```
"conditions": [ {
    "name": "IsDevice",
    "parameters": {
        "@odata.type": "#Microsoft.Azure.Cdn.Models. [ ▼ ]  ",
        "operator": "Equal",
        "matchValues": [ " [ ▼ ]  " ]
```

| DeliveryRuleIsDeviceConditionParameters |
| DeliveryRuleCookiesConditionParameters |
| DeliveryRulePostArgsConditionParameters |
| DeliveryRuleRequestHeaderConditionParameters |

matchValues dropdown:
| iOS |
| Mobile |
| iPhone |
| Desktop |

```
} },
  {
    "name": "RequestHeader",
    "parameters": {
        "@odata.type": "#Microsoft.Azure.Cdn.Models. [ ▼ ]  ",
        "operator": "Contains",
        "selector": " [ ▼ ]  ",
```

| DeliveryRuleIsDeviceConditionParameters |
| DeliveryRuleCookiesConditionParameters |
| DeliveryRulePostArgsConditionParameters |
| DeliveryRuleRequestHeaderConditionParameters |

selector dropdown:
| FROM |
| PRAGMA |
| X-POWERED-BY |
| HTTP_USER_AGENT |

```
        "matchValues": [ " [ ▼ ]  " ]
    } }
]
```

matchValues dropdown:
| iOS |
| Mobile |
| iPhone |
| Desktop |

QUESTION 74

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

You are developing a website that will run as an Azure Web App. Users will authenticate by using their Azure Active Directory (Azure AD) credentials.

You plan to assign users one of the following permission levels for the website: admin, normal, and reader. A user's Azure AD group membership must be used to determine the permission level. You need to configure authorization.

Solution: Configure the Azure Web App for the website to allow only authenticated requests and require Azure AD log on.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
Instead in the Azure AD application's manifest, set value of the groupMembershipClaims option to All.

References:
https://blogs.msdn.microsoft.com/waws/2017/03/13/azure-app-service-authentication-aad-groups/

QUESTION 75
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.

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You develop an HTTP triggered Azure Function app to process Azure Storage blob data. The app is triggered using an output binding on the blob.

The app continues to time out after four minutes. The app must process the blob data.

You need to ensure the app does not time out and processes the blob data.

Solution: Use the Durable Function async pattern to process the blob data.

Does the solution meet the goal?

A.   Yes
B.   No

Correct Answer: B
Explanation:
Instead pass the HTTP trigger payload into an Azure Service Bus queue to be processed by a queue trigger function and return an immediate HTTP success response.

Note:
Large, long-running functions can cause unexpected timeout issues. General best practices include:

Whenever possible, refactor large functions into smaller function sets that work together and return responses fast. For example, a webhook or HTTP trigger function might require an acknowledgment response within a certain time limit; it's common for webhooks to require an immediate response. You can pass the HTTP trigger payload into a queue to be processed by a queue trigger function. This approach lets you defer the actual work and return an immediate response.

Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-best-practices

QUESTION 76
DRAG DROP
You are a developer for a software as a service (SaaS) company that uses an Azure Function to process orders. The Azure Function currently runs on an Azure Function app that is triggered by an Azure Storage queue.

You are preparing to migrate the Azure Function to Kubernetes using Kubernetes-based Event Driven Autoscaling (KEDA).

You need to configure Kubernetes Custom Resource Definitions (CRD) for the Azure Function.

Which CRDs should you configure? To answer, drag the appropriate CRD types to the correct locations. Each CRD type 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.

Answer Area

CRD types	Setting	CRD type
Secret		
Deployment	Azure Function code	
ScaledObject	Polling interval	
TriggerAuthentication	Azure Storage connection string	

Correct Answer:

Answer Area

CRD types	Setting	CRD type
Secret		
Deployment	Azure Function code	Deployment
ScaledObject	Polling interval	ScaledObject
TriggerAuthentication	Azure Storage connection string	Secret

QUESTION 77
HOTSPOT
You are developing an application that use an Azure blob named data to store application data. The application creates blob snapshots to allow application state to be reverted to an earlier state. The Azure storage account has soft deleted enabled.

The system performs the following operations in order:

- The blob is updated.
- Snapshot 1 is created.
- Snapshot 2 is created.
- Snapshot 1 is deleted.