Custom View Settings

Question #13 *Topic 5*

DRAG DROP -

You develop software solutions for a mobile delivery service. You are developing a mobile app that users can use to order from a restaurant in their area. The app uses the following workflow:

1. A driver selects the restaurants for which they will deliver orders.
2. Orders are sent to all available drivers in an area.
3. Only orders for the selected restaurants will appear for the driver.
4. The first driver to accept an order removes it from the list of available orders.

You need to implement an Azure Service Bus solution.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

| Actions | Answer Area |
|---|---|
| Create a single Service Bus topic. | |
| Create a Service Bus Namespace for each restaurat for which a driver can receive messages. | |
| Create a single Service Bus subscription. | |
| Create a Service Bus subscription for each restaurant for which a driver can receive orders. | |
| Create s single Service Bus Namespace. | |
| Create a Service Bus topic for each restaurant for which a driver can receive messages. | |

**Correct Answer:**

| Actions | Answer Area |
|---|---|
| Create a single Service Bus topic. | Create s single Service Bus Namespace. |
| Create a Service Bus Namespace for each restaurat for which a driver can receive messages. | Create a Service Bus topic for each restaurant for which a driver can receive messages. |
| Create a single Service Bus subscription. | Create a Service Bus subscription for each restaurant for which a driver can receive orders. |
| Create a Service Bus subscription for each restaurant for which a driver can receive orders. | |
| Create s single Service Bus Namespace. | |
| Create a Service Bus topic for each restaurant for which a driver can receive messages. | |

Box 1: Create a single Service Bus Namespace

To begin using Service Bus messaging entities in Azure, you must first create a namespace with a name that is unique across Azure. A namespace provides a scoping container for addressing Service Bus resources within your application.

Box 2: Create a Service Bus Topic for each restaurant for which a driver can receive messages.

Create topics.

Box 3: Create a Service Bus subscription for each restaurant for which a driver can receive orders.

Topics can have multiple, independent subscriptions.

Reference:

https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview

Question #14 *Topic 5*

HOTSPOT -

You develop a news and blog content app for Windows devices.

A notification must arrive on a user's device when there is a new article available for them to view.

You need to implement push notifications.

How should you complete the code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Answer Area**

```
string notificationHubName = "contoso_hub";
string notificationHubConnection = "connection_string";
[ ▼ ] hub =
```

| |
|---|
| NotificationHubClient |
| NotificationHubClientSettings |
| NotificationHubJob |
| NotificationDetails |

```
 [ ▼ ] [ ▼ ]
 (notificationHubConnection, notificationHubName);
string windowsToastPayload =
 @"<toast><visual><binding template=""ToastText01""><text id=""1"">" +
 @"New item to view" + @"</text></binding></visual></toast>";
try
{
var result =
  await hub. [ ▼ ] (windowsToastPayload);
  ...
}
catch (System.Exception ex)
{
 ...
}
...
```

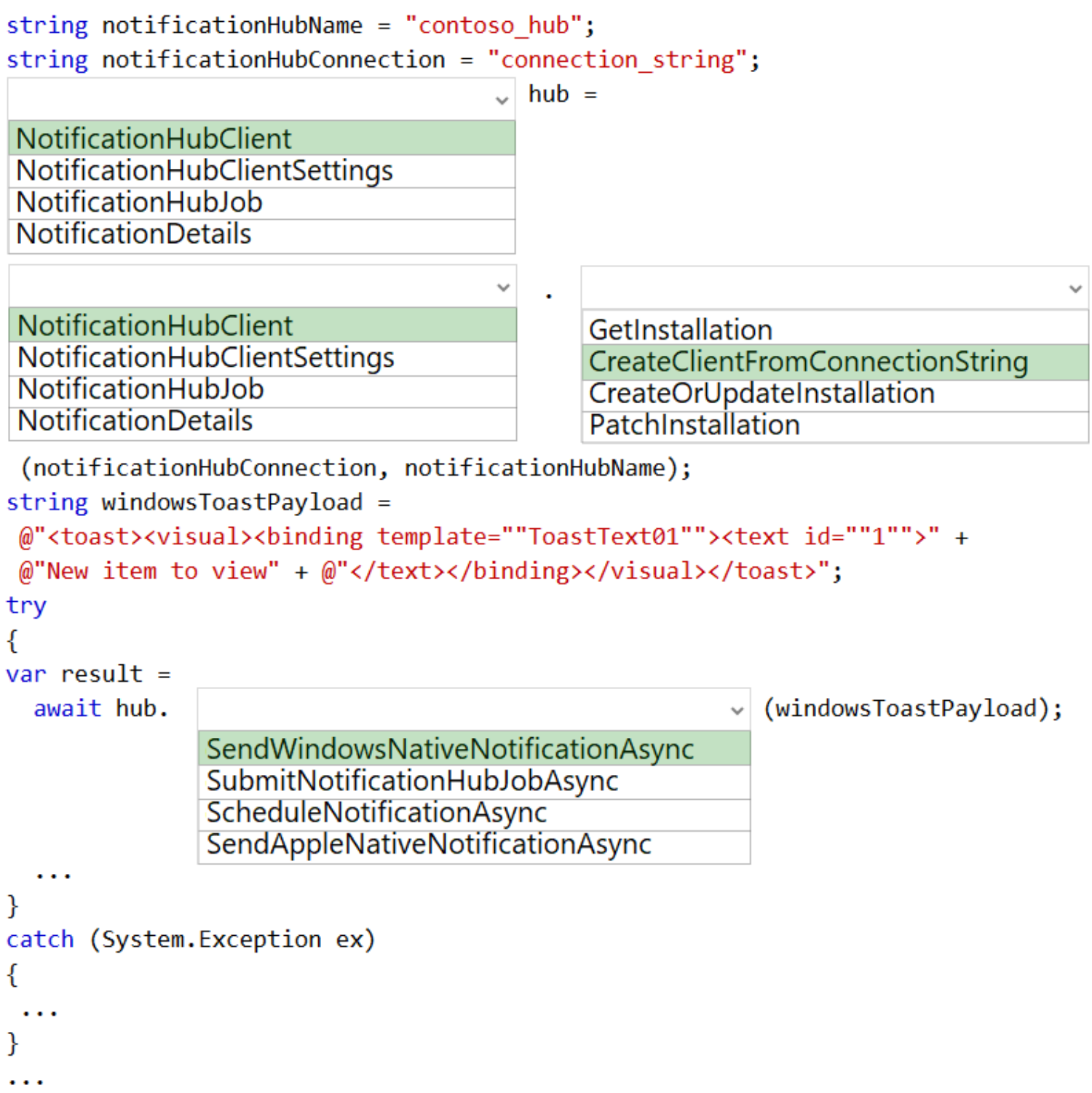
| |
|---|
| NotificationHubClient |
| NotificationHubClientSettings |
| NotificationHubJob |
| NotificationDetails |

| |
|---|
| GetInstallation |
| CreateClientFromConnectionString |
| CreateOrUpdateInstallation |
| PatchInstallation |

| |
|---|
| SendWindowsNativeNotificationAsync |
| SubmitNotificationHubJobAsync |
| ScheduleNotificationAsync |
| SendAppleNativeNotificationAsync |

**Correct Answer:**

**Answer Area**




Box 1: NotificationHubClient -

Box 2: NotificationHubClient -

Box 3: CreateClientFromConnectionString

// Initialize the Notification Hub

NotificationHubClient hub = NotificationHubClient.CreateClientFromConnectionString(listenConnString, hubName);

Box 4: SendWindowsNativeNotificationAsync

Send the push notification.

var result = await hub.SendWindowsNativeNotificationAsync(windowsToastPayload);

Reference:

https://docs.microsoft.com/en-us/azure/notification-hubs/notification-hubs-push-notification-registration-management

https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/app-service-mobile/app-service-mobile-windows-store-dotnet-get-started-push.md

Question #15 *Topic 5*

You are developing an Azure messaging solution.

You need to ensure that the solution meets the following requirements:

☞ Provide transactional support.

☞ Provide duplicate detection.

☞ Store the messages for an unlimited period of time.

Which two technologies will meet the requirements? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Azure Service Bus Topic

B. Azure Service Bus Queue

C. Azure Storage Queue

D. Azure Event Hub

**Correct Answer:** *AB*

The Azure Service Bus Queue and Topic has duplicate detection.

Enabling duplicate detection helps keep track of the application-controlled MessageId of all messages sent into a queue or topic during a specified time window.

Incorrect Answers:

C: There is just no mechanism that can query a Storage queue and find out if a message with the same contents is already there or was there before.

D: Azure Event Hub does not have duplicate detection

Reference:

https://docs.microsoft.com/en-us/azure/service-bus-messaging/duplicate-detection

Question #16 *Topic 5*

DRAG DROP -

You develop a gateway solution for a public facing news API.

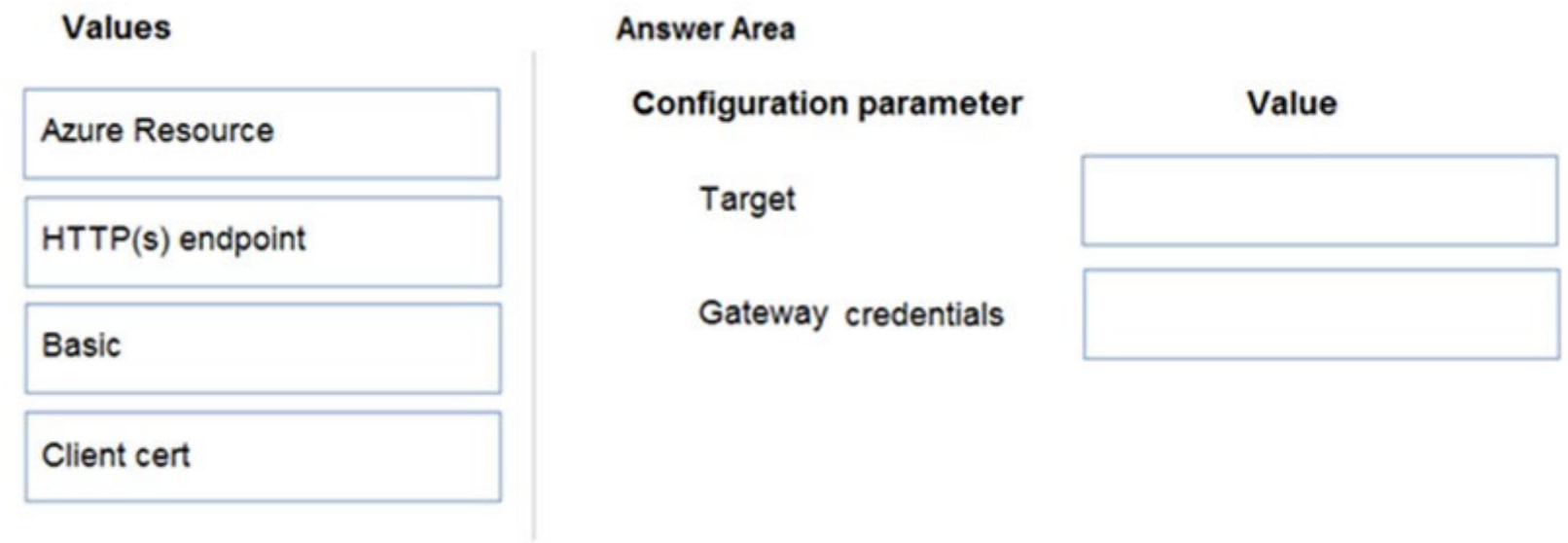
The news API back end is implemented as a RESTful service and hosted in an Azure App Service instance.

You need to configure back-end authentication for the API Management service instance.

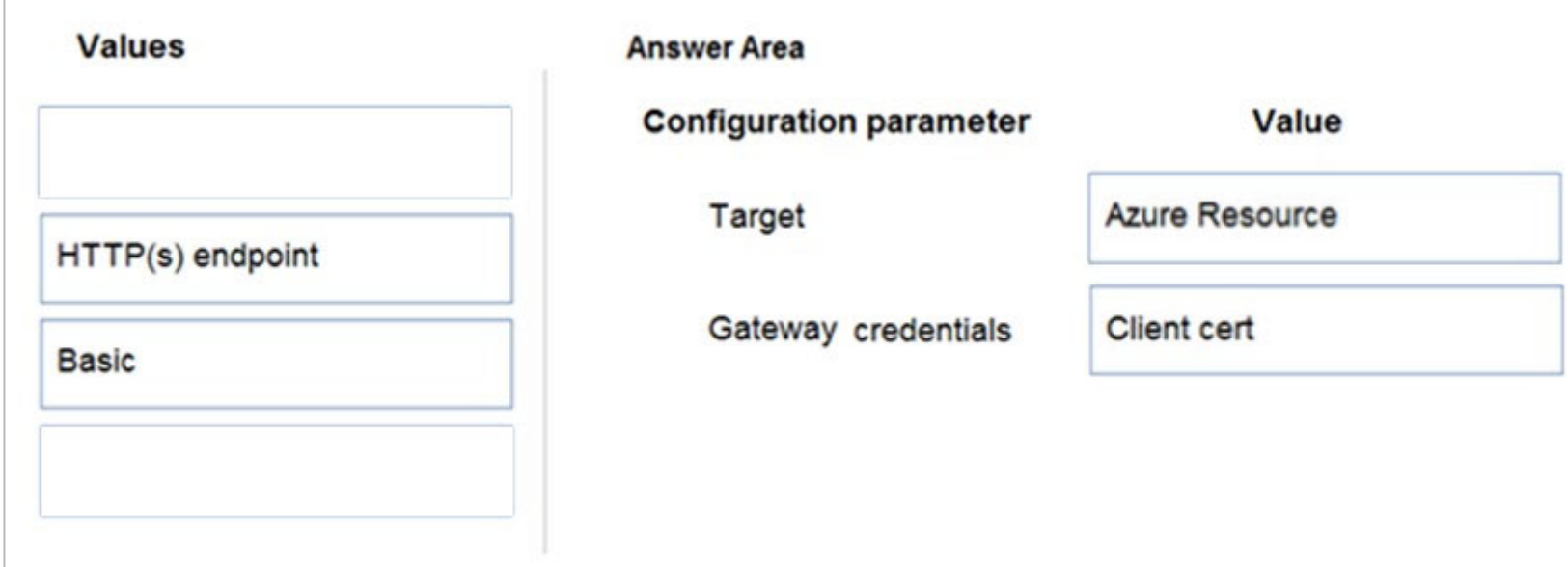
Which target and gateway credential type should you use? To answer, drag the appropriate values to the correct parameters. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:




**Correct Answer:**




Box 1: Azure Resource -

Box 2: Client cert -

API Management allows to secure access to the back-end service of an API using client certificates.

Reference:

https://docs.microsoft.com/en-us/rest/api/apimanagement/apimanagementrest/azure-api-management-rest-api-backend-entity

Question #17 *Topic 5*

HOTSPOT -

You are creating an app that uses Event Grid to connect with other services. Your app's event data will be sent to a serverless function that checks compliance.

This function is maintained by your company.

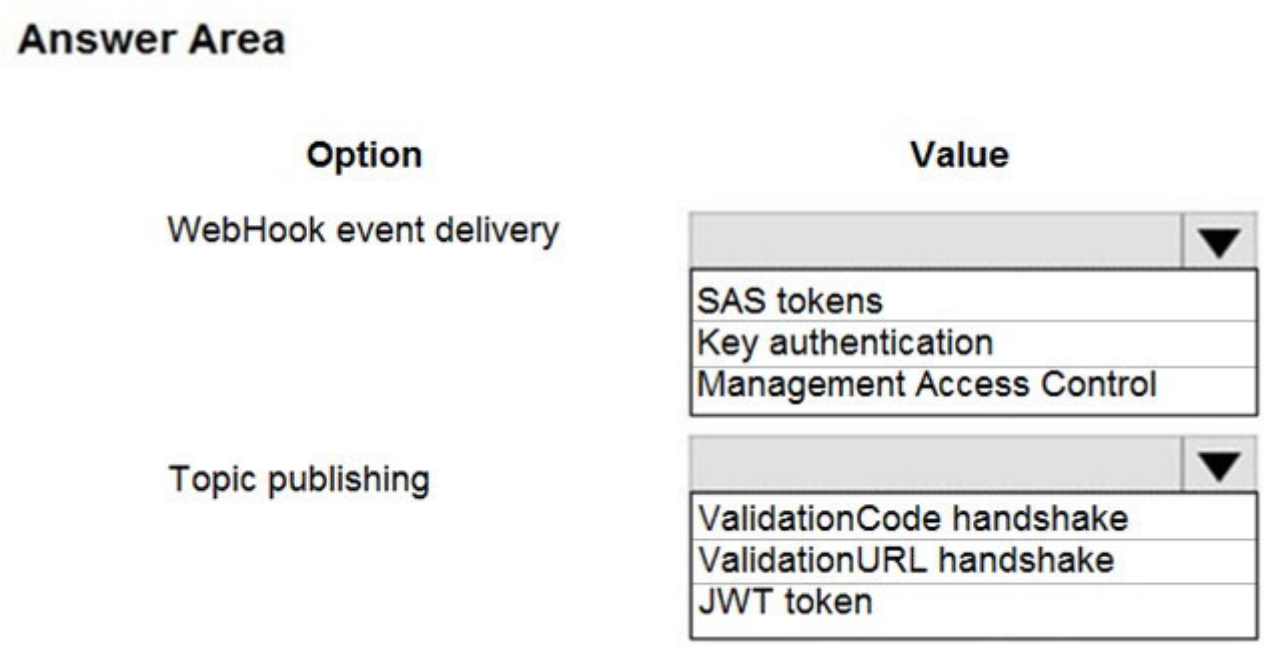
You write a new event subscription at the scope of your resource. The event must be invalidated after a specific period of time.

You need to configure Event Grid.

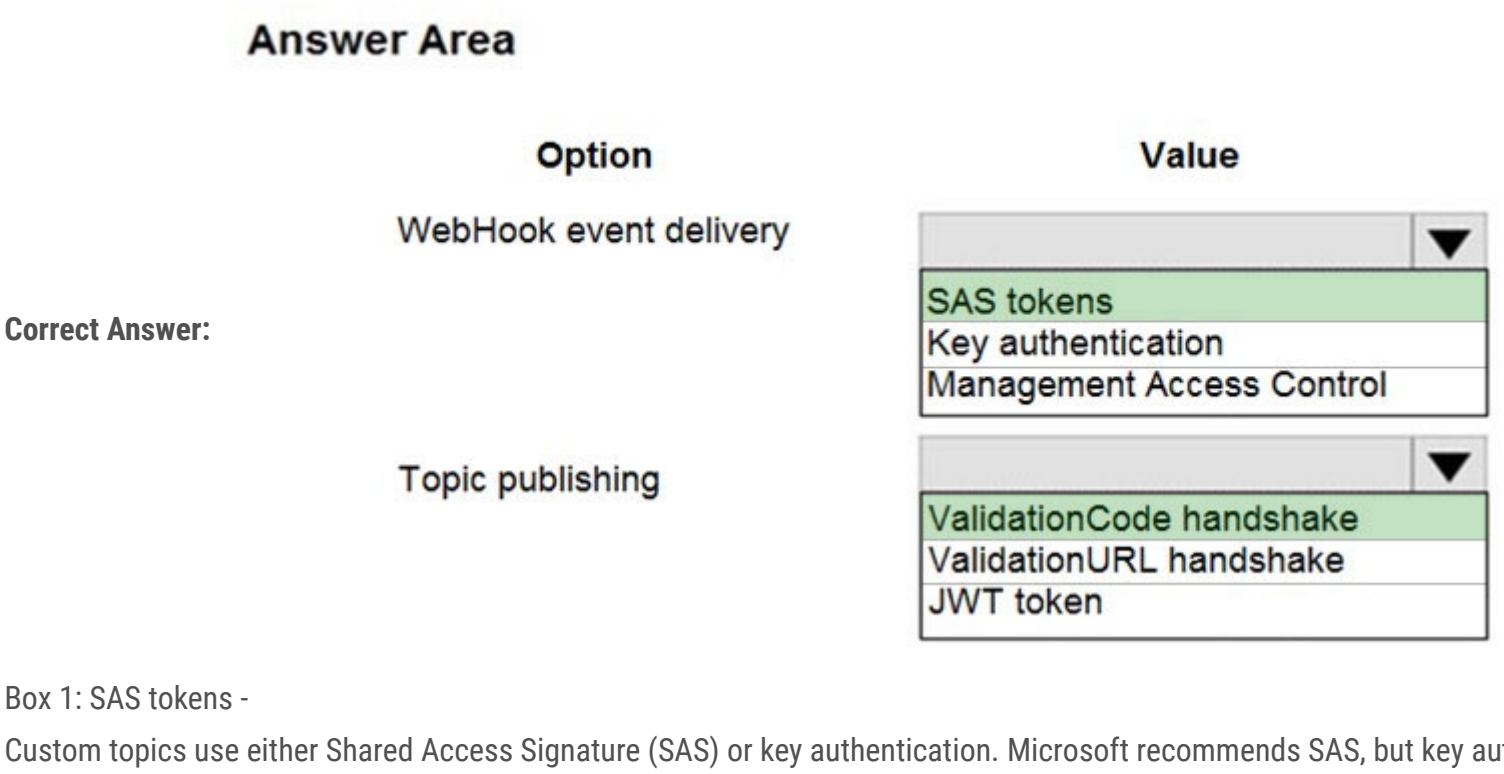
What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:




**Correct Answer:**




Box 1: SAS tokens -

Custom topics use either Shared Access Signature (SAS) or key authentication. Microsoft recommends SAS, but key authentication provides simple programming, and is compatible with many existing webhook publishers.

In this case we need the expiration time provided by SAS tokens.

Box 2: ValidationCode handshake -

Event Grid supports two ways of validating the subscription: ValidationCode handshake (programmatic) and ValidationURL handshake (manual).

If you control the source code for your endpoint, this method is recommended.

Incorrect Answers:

ValidationURL handshake (manual): In certain cases, you can't access the source code of the endpoint to implement the ValidationCode handshake. For example, if you use a third-party service (like Zapier or IFTTT), you can't programmatically respond with the validation code.

Reference:

https://docs.microsoft.com/en-us/azure/event-grid/security-authentication

Previous Questions

Next Questions