AZ-204 Q&As

Developing Solutions for Microsoft Azure

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QUESTION 1

You are developing a web application that uses the Microsoft identity platform for user and resource authentication. The web application calls several REST APIs.

A REST API call must read the user\\'s calendar. The web application requires permission to send an email as the user.

You need to authorize the web application and the API.

Which parameter should you use?

A. tenant

B. code_challenge

C. state

D. client_id

E. scope

Correct Answer: E

Microsoft identity platform and OAuth 2.0 authorization code flow, Request an authorization code

https://login.microsoftonline.com/{tenant}/oauth2/v2.0/authorize?

The authorization code flow begins with the client directing the user to the /authorize endpoint. In this request, the client requests the openid, offline_access, and https://graph.microsoft.com/mail.read permissions from the user.

Parameters include:

*

scope required

A space-separated list of scopes that you want the user to consent to. For the /authorize leg of the request, this parameter can cover multiple resources. This value allows your app to get consent for multiple web APIs you want to call.

Incorrect:

*

tenant required

The {tenant} value in the path of the request can be used to control who can sign into the application. Valid values are common, organizations, consumers, and tenant identifiers. For guest scenarios where you sign a user from one tenant into

another tenant, you must provide the tenant identifier to sign them into the resource tenant.

*

code_challenge recommended / required

Used to secure authorization code grants by using Proof Key for Code Exchange (PKCE). Required if code_challenge_method is included. This parameter is now recommended for all application types, both public and confidential clients, and

required by the Microsoft identity platform for single page apps using the authorization code flow.

*

client_id

The Application (client) ID that the Azure portal – App registrations experience assigned to your app.

Reference: https://learn.microsoft.com/en-us/azure/active-directory/develop/v2-oauth2-auth-code-flow

QUESTION 2

DRAG DROP

You are a developer for a Software as a Service (SaaS) company. You develop solutions that provide the ability to send notifications by using Azure Notification Hubs.

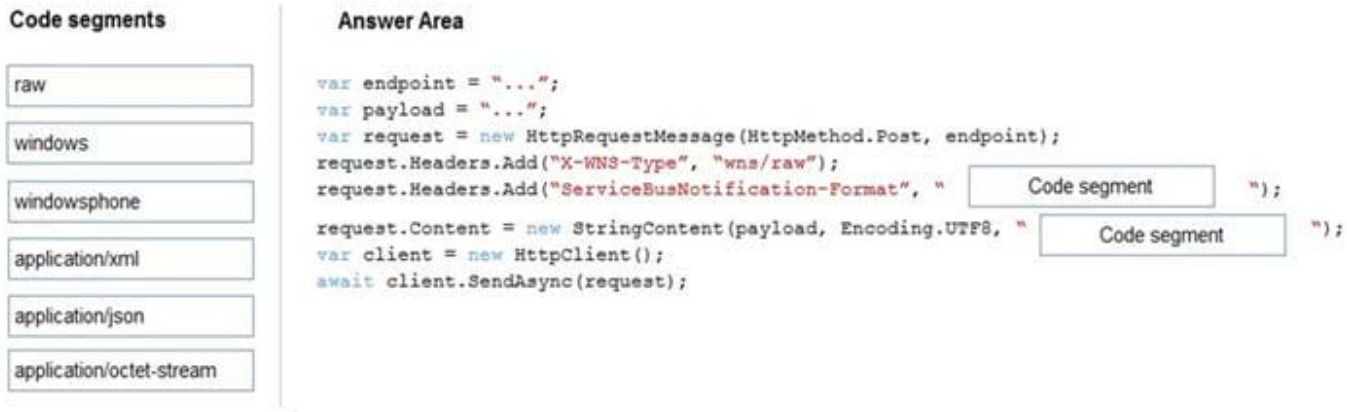
You need to create sample code that customers can use as a reference for how to send raw notifications to Windows Push Notification Services (WNS) devices. The sample code must not use external packages.

How should you complete the code segment? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes

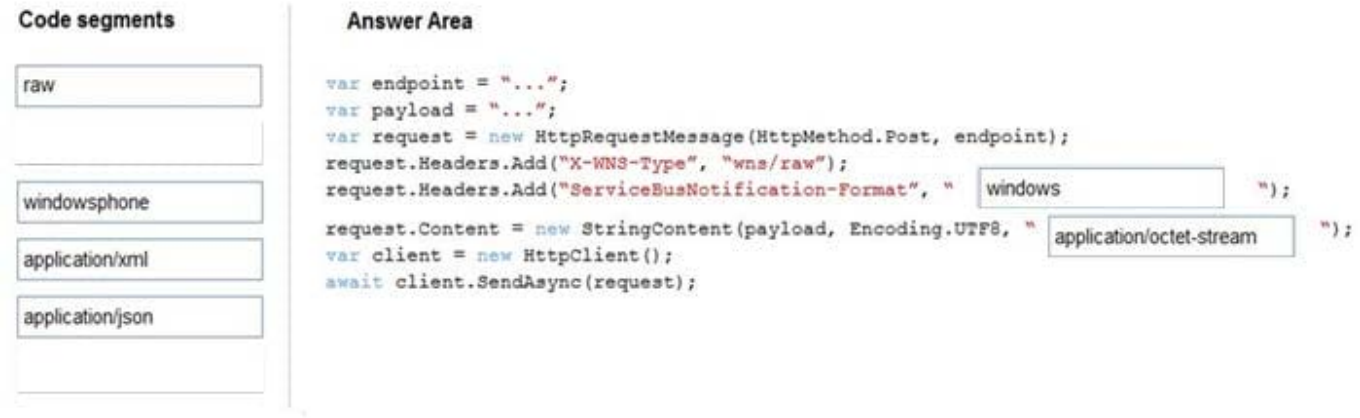
or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



Box 1: windows

Example code: var request = new HttpRequestMessage(method, $"{resourceUri}?api-version=2017-04");
request.Headers.Add("Authorization", createToken(resourceUri, KEY_NAME,

KEY_VALUE));

request.Headers.Add("X-WNS-Type", "wns/raw");

request.Headers.Add("ServiceBusNotification-Format", "windows");

return request;

Box 2: application/octet-stream

Example code capable of sending a raw notification:

string resourceUri = $"https://{NH_NAMESPACE}.servicebus.windows.net/{HUB_NAME}/messages/";

using (var request = CreateHttpRequest(HttpMethod.Post, resourceUri))

{

request.Content = new StringContent(content, Encoding.UTF8,

"application/octet-stream");

request.Content.Headers.ContentType.CharSet = string.Empty;

var httpClient = new HttpClient();

var response = await httpClient.SendAsync(request);

Console.WriteLine(response.StatusCode);

}

Reference: https://stackoverflow.com/questions/31346714/how-to-send-raw-notification-to-azure-notification-hub/31347901

QUESTION 3

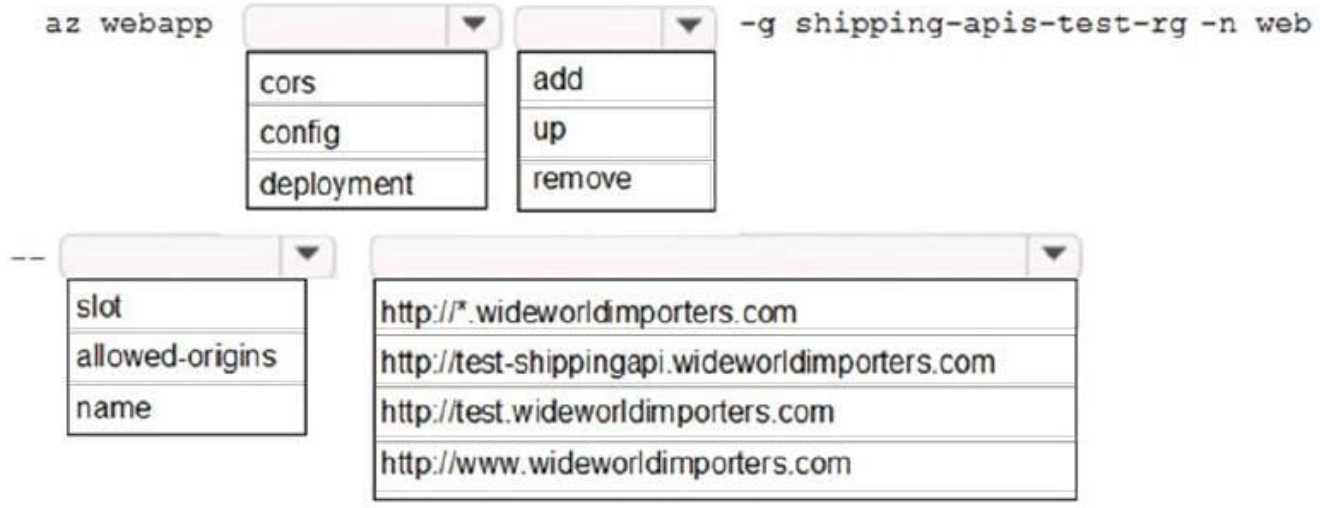
HOTSPOT

You need to update the APIs to resolve the testing error.

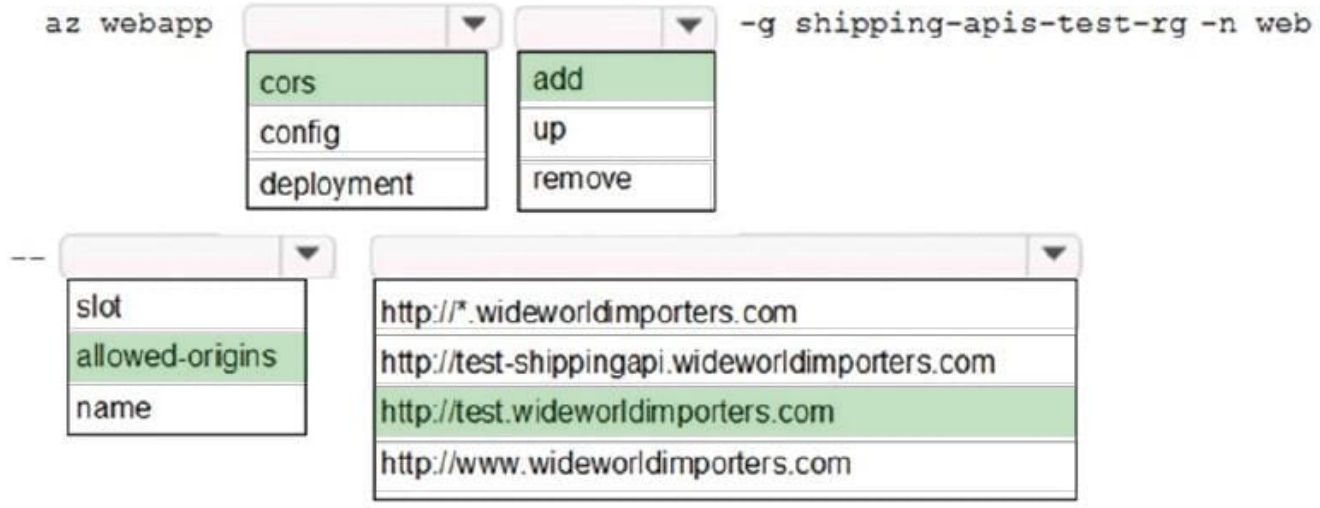
How should you complete the Azure CLI command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



Enable Cross-Origin Resource Sharing (CORS) on your Azure App Service Web App.

Enter the full URL of the site you want to allow to access your WEB API or * to allow all domains. Box 1: cors Box 2: add Box 3: allowed-origins Box 4: http://testwideworldimporters.com/

References: http://donovanbrown.com/post/How-to-clear-No-Access-Control-Allow-Origin-header-error-with-Azure-App-Service

QUESTION 4

You are creating a hazard notification system that has a single signaling server which triggers audio and visual alarms to start and stop.

You implement Azure Service Bus to publish alarms. Each alarm controller uses Azure Service Bus to receive alarm signals as part of a transaction. Alarm events must be recorded for audit purposes. Each transaction record must include

information about the alarm type that was activated.

You need to implement a reply trail auditing solution.

NOTE: Each correct selection is worth one point.

A. Assign the value of the hazard message MessageId property to the DeliveryCount property.

B. Assign the value of the hazard message SequenceNumber property to the DeliveryCount property.

C. Assign the value of the hazard message MessageId property to the SequenceNumber property.

D. Assign the value of the hazard message MessageId property to the CorrelationId property.

E. Assign the value of the hazard message SessionID property to the SequenceNumber property..

F. Assign the value of the hazard message SessionID property to the ReplyToSessionId property.

Correct Answer: DF

D: CorrelationId: Enables an application to specify a context for the message for the purposes of correlation; for example, reflecting the MessageId of a message that is being replied to.

F: ReplyToSessionId: This value augments the ReplyTo information and specifies which SessionId should be set for the reply when sent to the reply entity.

Incorrect Answers:

A, B: DeliveryCount

Number of deliveries that have been attempted for this message. The count is incremented when a message lock expires, or the message is explicitly abandoned by the receiver. This property is read-only.

C, E: SequenceNumber

The sequence number is a unique 64-bit integer assigned to a message as it is accepted and stored by the broker and functions as its true identifier. For partitioned entities, the topmost 16 bits reflect the partition identifier. Sequence numbers

monotonically increase and are gapless. They roll over to 0 when the 48-64 bit range is exhausted. This property is read-only.

References: https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messages-payloads

QUESTION 5

You are developing an Azure Function App that generates end of day reports (or retail stores. All stores dose at 11 PM each day. Reports must be run one hour after dosing. You configure the function to use a Timer trigger that runs at midnight Customers in the Western United States Pacific Time zone (UTC - 8) report that the Azure Function runs before the stores dose. You need to ensure that the Azure Function runs at midnight in the Pacific Time zone.

What should you do?

A. Configure the Azure Function to run in the West US region.

B. Add an app setting named WEBSITE_TIME_ZONE that uses the value Pacific Standard Time

C. Change the Timer trigger to run at 7 AM

D. Update the Azure Function to a Premium plan.

Correct Answer: A

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