AZ-204 Q&As

Developing Solutions for Microsoft Azure

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QUESTION 1

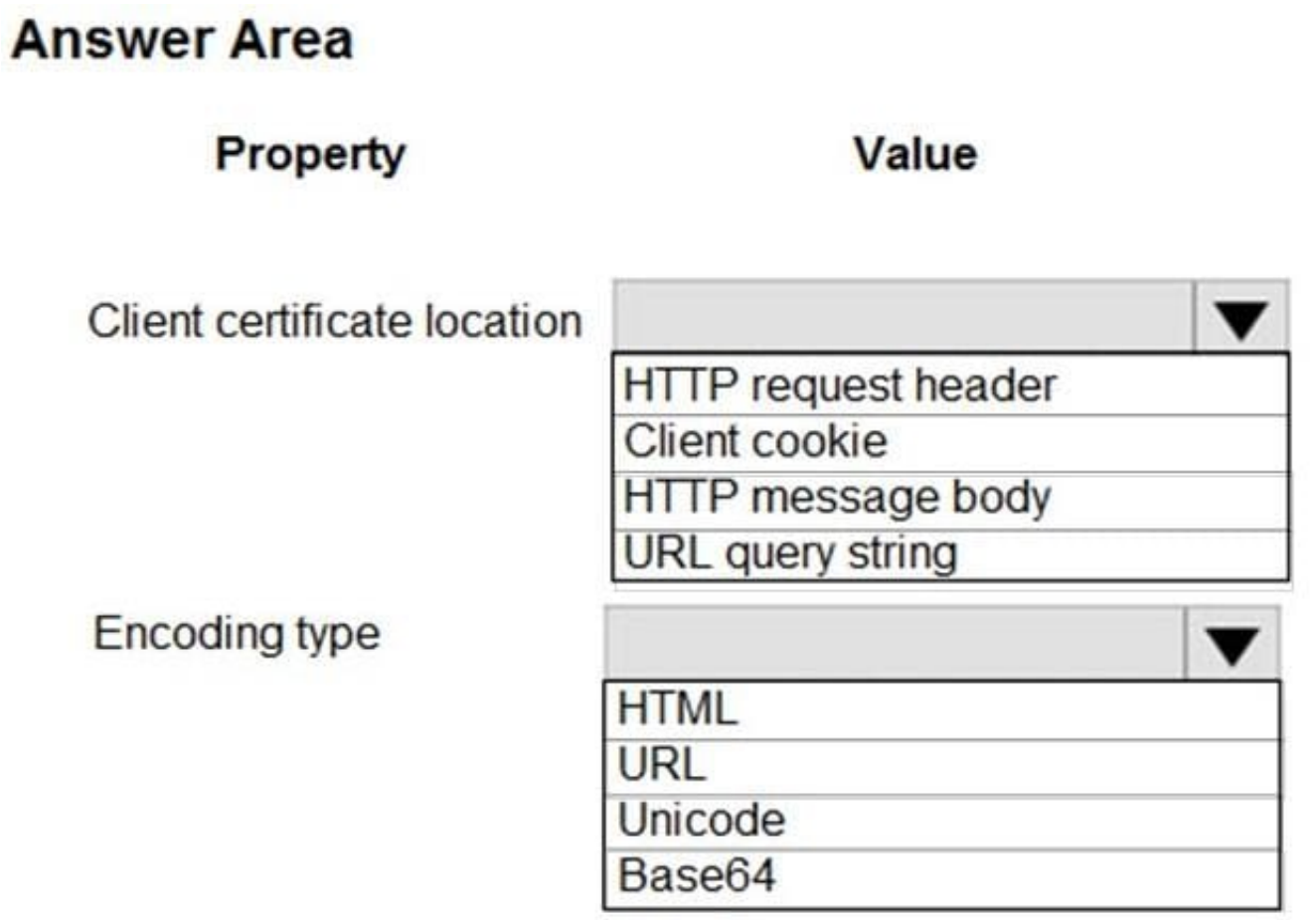
HOTSPOT

You are developing an Azure Web App. You configure TLS mutual authentication for the web app.

You need to validate the client certificate in the web app. To answer, select the appropriate options in the answer area.

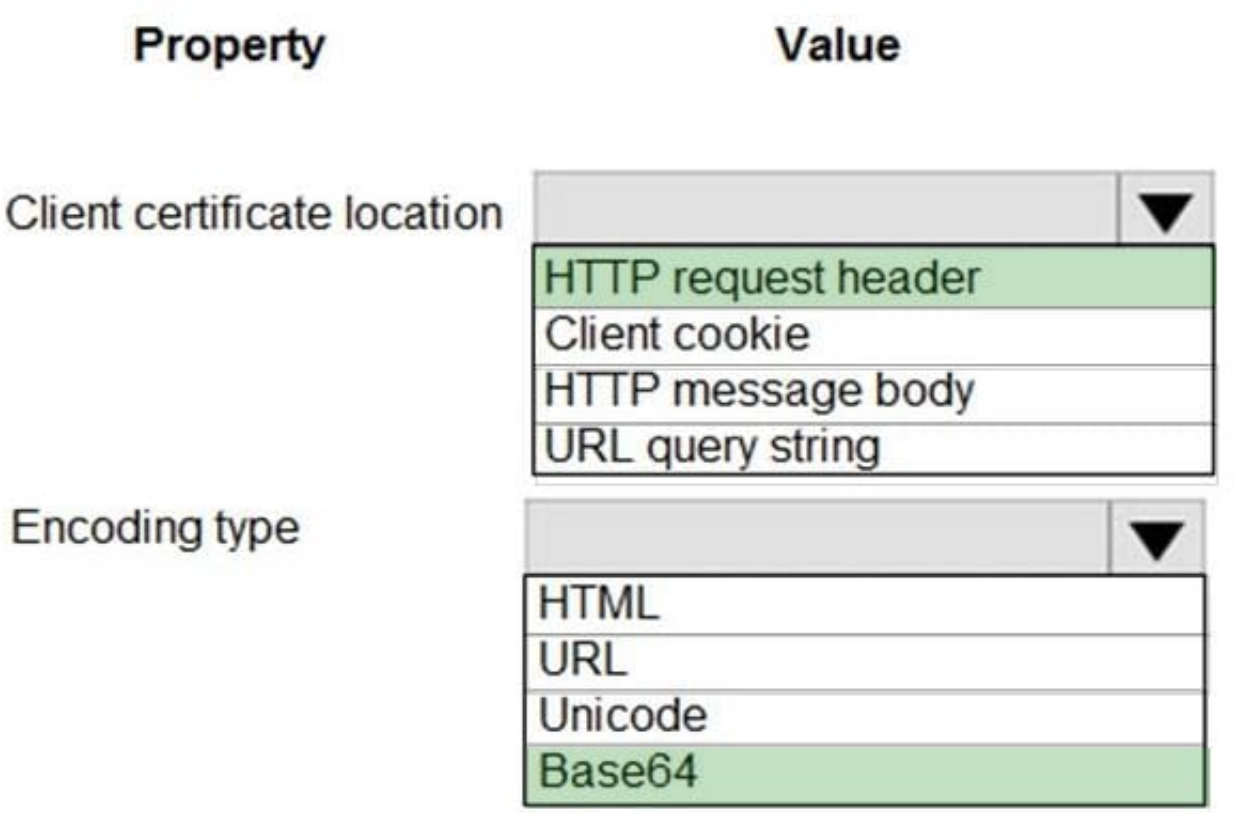
NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:

Answer Area



Accessing the client certificate from App Service.

If you are using ASP.NET and configure your app to use client certificate authentication, the certificate will be available through the HttpRequest.ClientCertificate property. For other application stacks, the client cert will be available in your app

through a base64 encoded value in the "X-ARR-ClientCert" request header. Your application can create a certificate from this value and then use it for authentication and authorization purposes in your application.

References:

https://docs.microsoft.com/en-us/azure/app-service/app-service-web-configure-tls-mutual-auth

QUESTION 2

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You are developing a solution for a public facing API.

The API back end is hosted in an Azure App Service instance. You have implemented a RESTful service for the API back end.

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

Solution: You configure Basic gateway credentials for the HTTP(s) endpoint.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

API Management allows to secure access to the back-end service of an API using client certificates. Furthermore, the API back end is hosted in an Azure App Service instance. It is an Azure resource and not an HTTP(s) endpoint.

Reference:

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

QUESTION 3

You are developing a .NET Core MVC application that allows customers to research independent holiday accommodation providers.

You want to implement Azure Search to allow the application to search the index by using various criteria to locate documents related to accommodation venues.

You want the application to list holiday accommodation venues that fall within a specific price range and are within a specified distance to an airport.

What should you do?

A. Configure the SearchMode property of the SearchParameters class.

B. Configure the QueryType property of the SearchParameters class.

C. Configure the Facets property of the SearchParameters class.

D. Configure the Filter property of the SearchParameters class.

Correct Answer: D

The Filter property gets or sets the OData $filter expression to apply to the search query.

Reference: https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters
https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.search.models.searchparameters.querytype

QUESTION 4

HOTSPOT

You are building a website to access project data related to teams within your organization. The website does not allow anonymous access. Authentication is performed using an Azure Active Directory (Azure AD) app named internal.

The website has the following authentication requirements:

1.

Azure AD users must be able to login to the website.

2.

Personalization of the website must be based on membership in Active Directory groups.

You need to configure the application\\'s manifest to meet the authentication requirements.

How should you configure the manifest? To answer, select the appropriate configuration in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Correct Answer:

Answer Area

Box 1: groupMembershipClaims

Scenario: Personalization of the website must be based on membership in Active Directory groups.

Group claims can also be configured in the Optional Claims section of the Application Manifest.

Enable group membership claims by changing the groupMembershipClaim

The valid values are:

"All"

"SecurityGroup"

"DistributionList"

"DirectoryRole"

Box 2: oauth2Permissions

Scenario: Azure AD users must be able to login to the website.

oauth2Permissions specifies the collection of OAuth 2.0 permission scopes that the web API (resource) app exposes to client apps. These permission scopes may be granted to client apps during consent.

Incorrect Answers:

oauth2AllowImplicitFlow. oauth2AllowImplicitFlow specifies whether this web app can request OAuth2.0 implicit flow access tokens. The default is false. This flag is used for browser-based apps, like Javascript single-page apps.

Reference:

https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-fed-group-claims

QUESTION 5

You are developing several microservices to run on Azure Container Apps for a company. External TCP ingress traffic from the internet has been enabled for the microservices.

The company requires that the microservices must scale based on an Azure Event Hub trigger.

You need to scale the microservices by using a custom scaling rule.

Which two Kubernetes Event-driven Autoscaling (KEDA) trigger fields should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. metadata

B. type

C. authenticationRef

D. name

E. metricType

Correct Answer: AB

Explanation: Example This example shows how to convert an Azure Service Bus scaler to a Container Apps scale rule, but you use the same process for any other ScaledObject-based KEDA scaler specification. For authentication, KEDA scaler authentication parameters convert into Container Apps secrets. From the KEDA scaler specification, find the type value. triggers:

-type: azure-servicebus

metadata:

queueName: my-queue

namespace: service-bus-namespace

messageCount: "5"

Reference: https://learn.microsoft.com/en-us/azure/container-apps/scale-app