AZ-305 Q&As

Designing Microsoft Azure Infrastructure Solutions

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QUESTION 1

You are planning a storage solution. The solution must meet the following requirements:

Support at least 500 requests per second.

Support a large image, video, and audio streams.

Which type of Azure Storage account should you provision?

A. standard general-purpose v2

B. premium block blobs

C. premium page blobs

D. premium file shares

Correct Answer: B

Use Azure Blobs if you want your application to support streaming and random access scenarios.

It\\'s ideal for applications that require high transaction rates or consistent low-latency storage.

Incorrect:

Not A: Standard storage accounts has a default maximum request rate per storage account 20,000 requests per second1, but is not optimized for video and audio streams.

Not C: Page blobs is best suited for random reads and random writes.

Not D: FileStorage storage accounts (premium) has a maximum concurrent request rate of 100,000 IOPS.

Maximum file size is 4 TB, but is not optimized for video and audio streams.

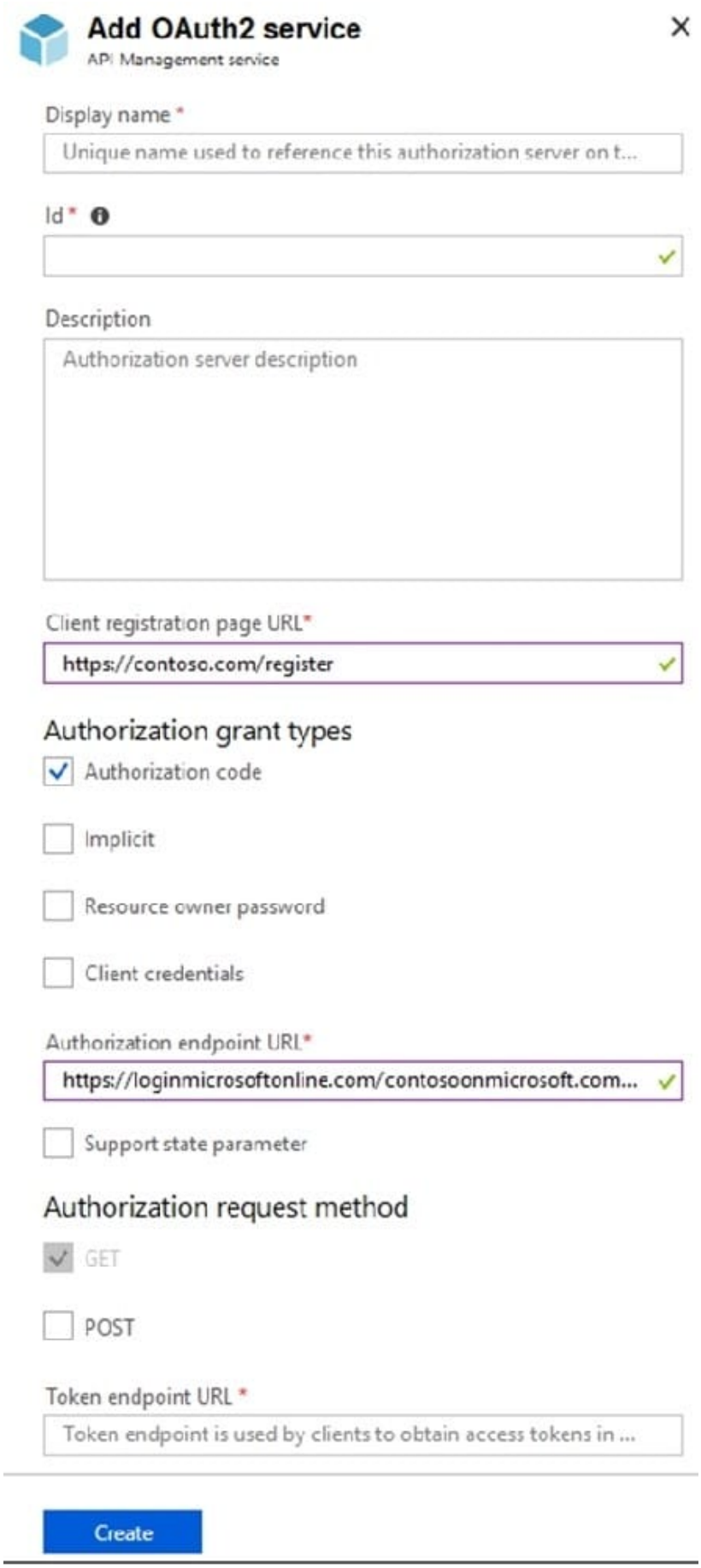
Reference: https://docs.microsoft.com/en-us/azure/storage/common/storage-introduction

https://docs.microsoft.com/en-us/azure/storage/files/storage-files-scale-targets

QUESTION 2

HOTSPOT

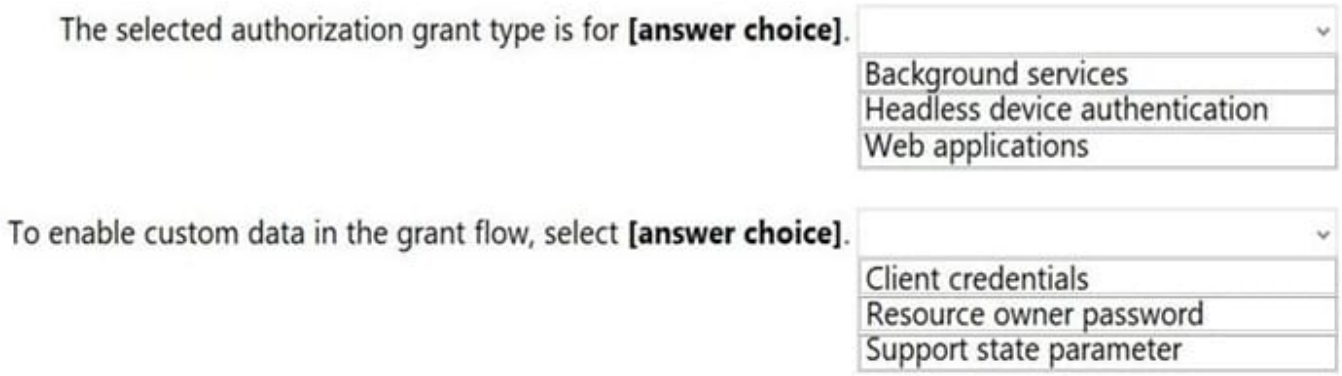
You configure OAuth2 authorization in API Management as shown in the following exhibit.


Add OAuth2 service
API Management service
Display name *
Unique name used to reference this authorization server on t...
Id *
Description
Authorization server description
Client registration page URL*
https://contoso.com/register
Authorization grant types
Authorization code
Implicit
Resource owner password
Client credentials
Authorization endpoint URL*
https://loginmicrosoftonline.com/contosoonmicrosoft.com...
Support state parameter
Authorization request method
GET
POST
Token endpoint URL *
Token endpoint is used by clients to obtain access tokens in ...
Create

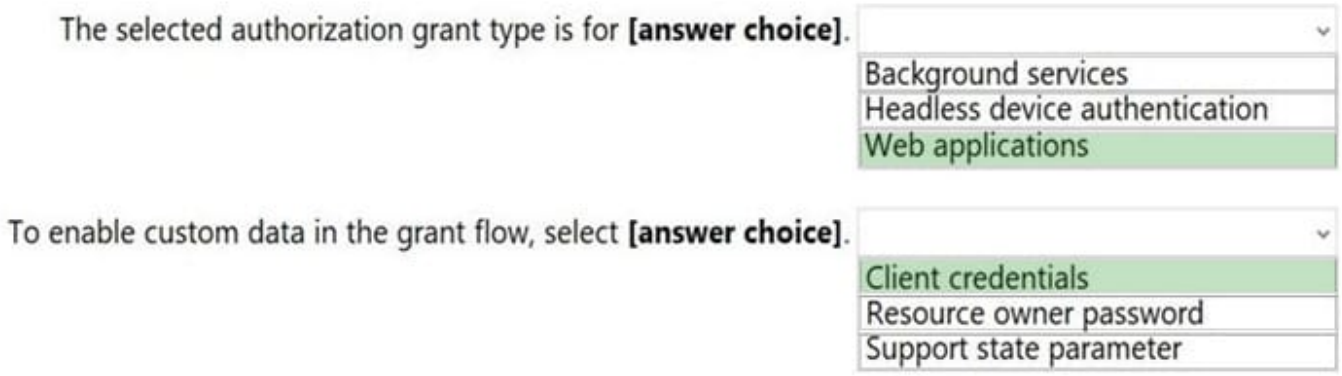
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



Box 1: Web applications

The Authorization Code Grant Type is used by both web apps and native apps to get an access token after a user authorizes an app.

Note: The Authorization Code grant type is used by confidential and public clients to exchange an authorization code for an access token.

After the user returns to the client via the redirect URL, the application will get the authorization code from the URL and use it to request an access token.

QUESTION 3

HOTSPOT

Your company has two on-premises sites in New York and Los Angeles and Azure virtual networks in the East US Azure region and the West US Azure region. Each on-premises site has Azure ExpressRoute circuits to both regions.

You need to recommend a solution that meets the following requirements:

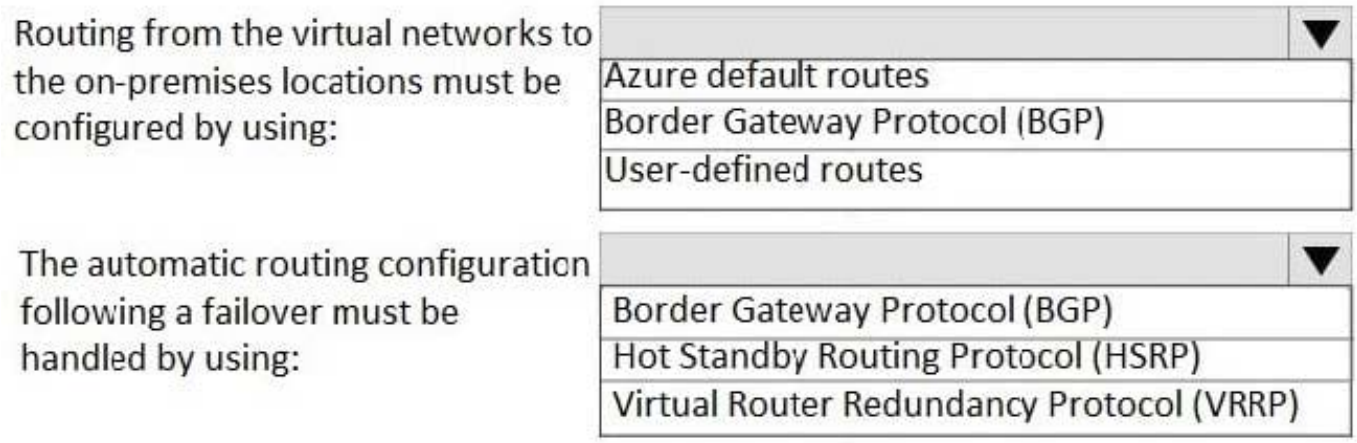
Outbound traffic to the Internet from workloads hosted on the virtual networks must be routed through the closest available on-premises site. If an on-premises site fails, traffic from the workloads on the virtual networks to the Internet must

reroute automatically to the other site.

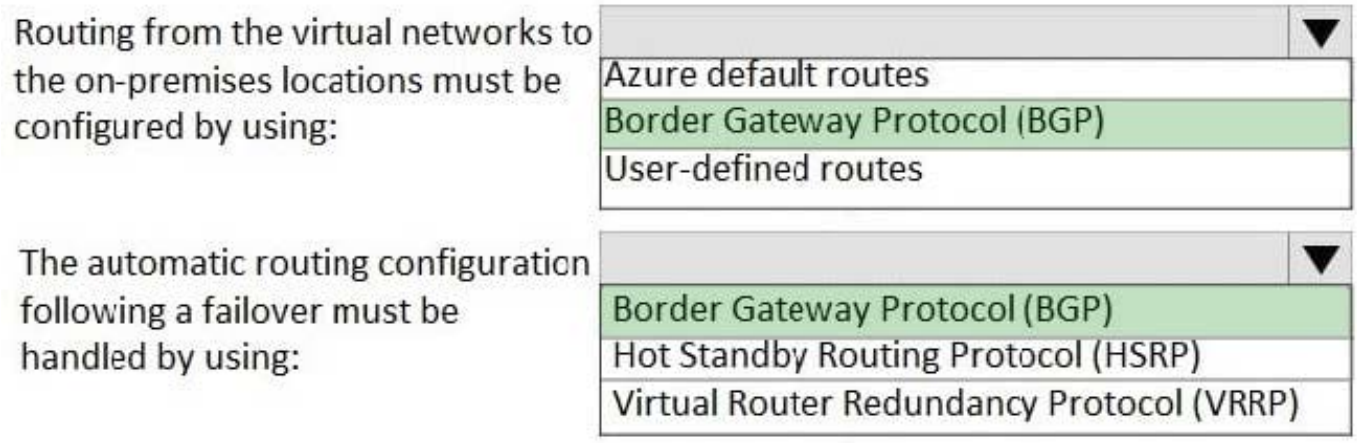
What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



An on-premises network gateway can exchange routes with an Azure virtual network gateway using the border gateway protocol (BGP). Using BGP with an Azure virtual network gateway is dependent on the type you selected when you created the gateway. If the type you selected were: ExpressRoute: You must use BGP to advertise on-premises routes to the Microsoft Edge router. You cannot create user-defined routes to force traffic to the ExpressRoute virtual network gateway if you deploy a virtual network gateway deployed as type: ExpressRoute. You can use user-defined routes for forcing traffic from the Express Route to, for example, a Network Virtual Appliance.

https://docs.microsoft.com/ja-jp/azure/expressroute/designing-for-disaster-recovery-with-expressroute-privatepeering

https://docs.microsoft.com/en-us/azure/expressroute/expressroute-optimize-routing#suboptimal-routing-from-customer-to-microsoft

QUESTION 4

You plan to migrate App1 to Azure.

You need to recommend a network connectivity solution for the Azure Storage account that will host the App1 data. The solution must meet the security and compliance requirements.

What should you include in the recommendation?

A. Microsoft peering for an ExpressRoute circuit

B. Azure public peering for an ExpressRoute circuit

C. a service endpoint that has a service endpoint policy

D. a private endpoint

Correct Answer: D

Private Endpoint securely connect to storage accounts from on-premises networks that connect to the VNet using VPN or ExpressRoutes with private-peering. Private Endpoint also secure your storage account by configuring the storage firewall to block all connections on the public endpoint for the storage service. Incorrect Answers:

A: Microsoft peering provides access to Azure public services via public endpoints with public IP addresses, which should not be allowed.

B: Azure public peering has been deprecated.

C: By default, Service Endpoints are enabled on subnets configured in Azure virtual networks. Endpoints can\\'t be used for traffic from your premises to Azure services.

Reference: https://docs.microsoft.com/en-us/azure/expressroute/expressroute-circuit-peerings

QUESTION 5

You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions.

You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:

1.

Maintain access to the app in the event of a regional outage.

2.

Support Azure Web Application Firewall (WAF).

3.

Support cookie-based affinity.

4.

Support URL routing.

What should you include in the recommendation?

A. Azure Front Door

B. Azure Load Balancer

C. Azure Traffic Manager

D. Azure Application Gateway

Correct Answer: A

Azure Front Door works across regions and support URL routing (HTTP(S)).

Note: HTTP(S) load-balancing services are Layer 7 load balancers that only accept HTTP(S) traffic. They are intended for web applications or other HTTP(S) endpoints. They include features such as SSL offload, web application firewall,

path-based load balancing, and session affinity.

Service	Global/regional	Recommended traffic
Azure Front Door	Global	HTTP(S)
Traffic Manager	Global	non-HTTP(S)
Application Gateway	Regional	HTTP(S)
Azure Load Balancer	Regional	non-HTTP(S)

Reference: https://docs.microsoft.com/en-us/azure/application-gateway/features

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