B. Support deployments across all Azure regions.
C. Create custom role-based access control (RBAC) roles.
D. Provide consistent virtual machine and virtual network configurations.

Answer: D

Explanation:
Resource groups: You can scope your deployment to a resource group. You use an Azure Resource Manager template (ARM template) for the deployment.
Regions: If you have a template spec in one region and want to move it to new region, you can export the template spec and redeploy it.
RBAC: Azure role-based access control (Azure RBAC) is the authorization system you use to manage access to Azure resources. To grant access, you assign roles to users, groups, service principals, or managed identities at a particular scope. In addition to using Azure PowerShell or the Azure CLI, you can assign roles using Azure Resource Manager templates. Templates can be helpful if you need to deploy resources consistently and repeatedly
You can setup Virtual machines and virtual network configurations in an Azure Resource Manager template.
Reference:
https://docs.microsoft.com/en-us/azure/governance/blueprints/overview
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/microsoftresources-move-regions
https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-template
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/template-description

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**QUESTION** 149
HOTSPOT
You plan to deploy a custom database solution that will have multiple instances as shown in the following table.

| Host virtual machine | Azure Availability Zone | Azure region |
|---|---|---|
| USDB1 | 1 | US East |
| USDB2 | 2 | US East |
| USDB3 | 3 | US East |
| EUDB1 | 1 | West Europe |
| EUDB2 | 2 | West Europe |
| EUDB3 | 3 | West Europe |

Client applications will access database servers by using db.contoso.com.
You need to recommend load balancing services for the planned deployment. The solution must meet the following requirements:
Access to at least one database server must be maintained in the event of a regional outage.
The virtual machines must not connect to the internet directly.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.

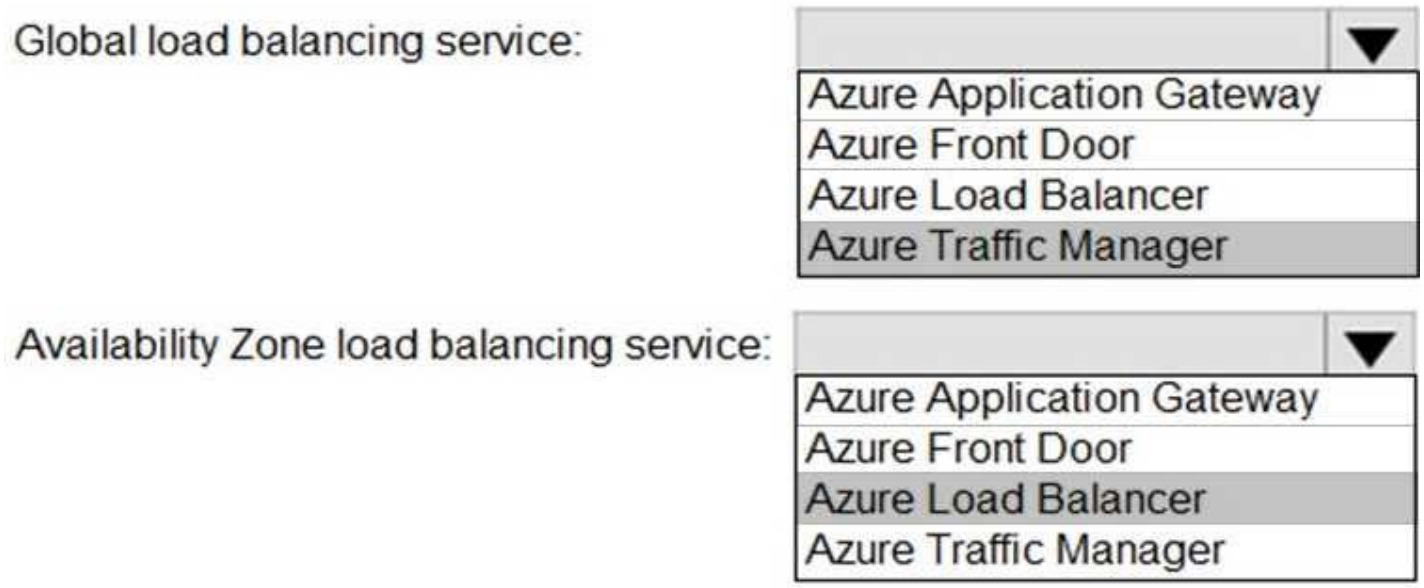
Global load balancing service:

- Azure Application Gateway
- Azure Front Door
- Azure Load Balancer
- Azure Traffic Manager

Availability Zone load balancing service:

- Azure Application Gateway
- Azure Front Door
- Azure Load Balancer
- Azure Traffic Manager

Answer:




Explanation:
Box 1: Azure Traffic Manager
Traffic Manager is a DNS-based traffic load balancer that enables you to distribute traffic optimally to services across global Azure regions, while providing high availability and responsiveness. Because Traffic Manager is a DNS-based load-balancing service, it load balances only at the domain level. For that reason, it can't fail over as quickly as Front Door, because of common challenges around DNS caching and systems not honoring DNS TTLs.

| 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/architecture/guide/technology-choices/load-balancingoverview

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**QUESTION** 150
HOTSPOT
You have a resource group named RG1 that contains the objects shown in the following table.

| Name | Type | Location |
|---|---|---|
| ASP-RG1 | App Service plan | East US |
| KV1 | Azure Key Vault | East US |
| KV2 | Azure Key Vault | West Europe |
| App1 | Azure Logic Apps | West US |

You need to configure permissions so that App1 can copy all the secrets from KV1 to KV2. App1 currently has the Get permission for the secrets in KV1.
Which additional permissions should you assign to App1? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

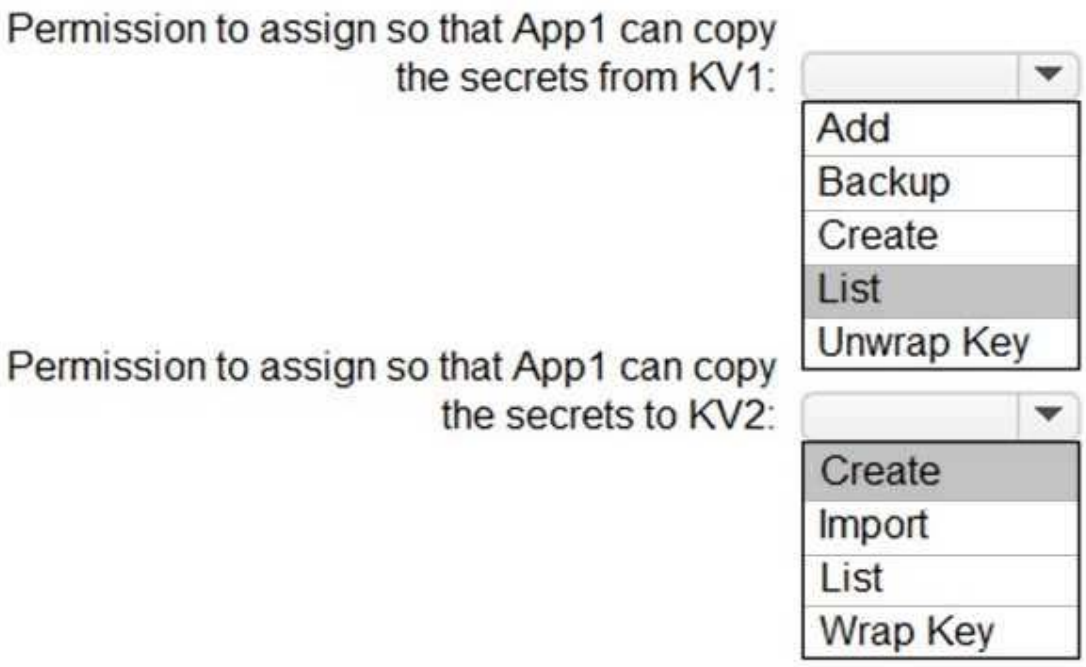
Permission to assign so that App1 can copy the secrets from KV1:

- Add
- Backup
- Create
- List
- Unwrap Key

Permission to assign so that App1 can copy the secrets to KV2:

- Create
- Import
- List
- Wrap Key

Answer:




Explanation:
Box 1: List
Get: Gets the specified Azure key vault.
List: The List operation gets information about the vaults associated with the subscription.
Box 2: Create
Create Or Update: Create or update a key vault in the specified subscription.
Reference:
https://docs.microsoft.com/en-us/rest/api/keyvault/

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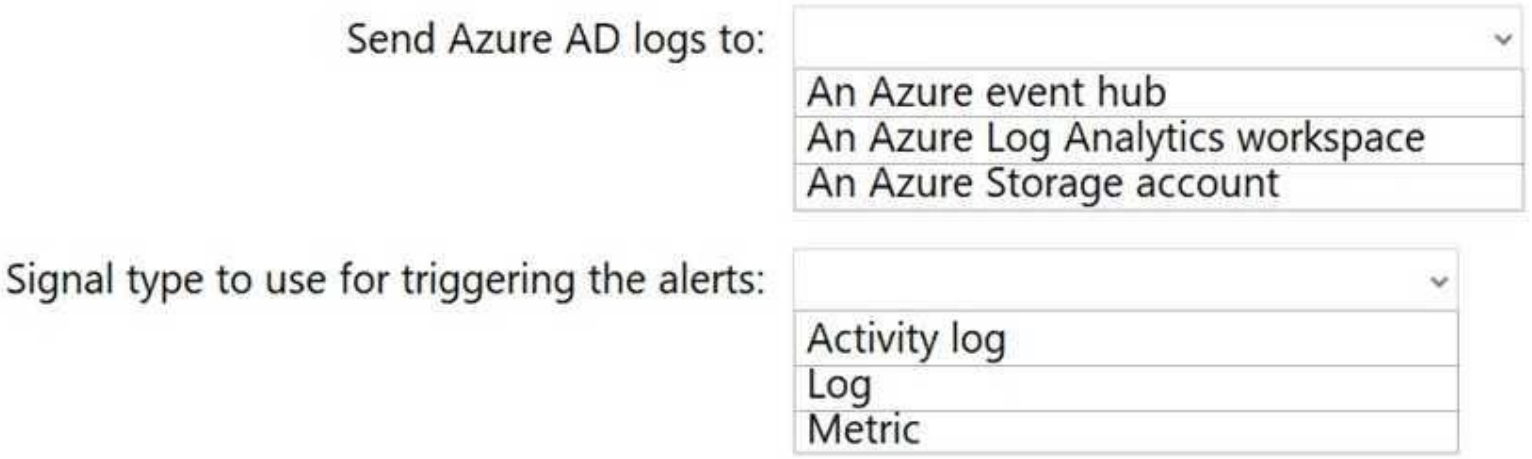
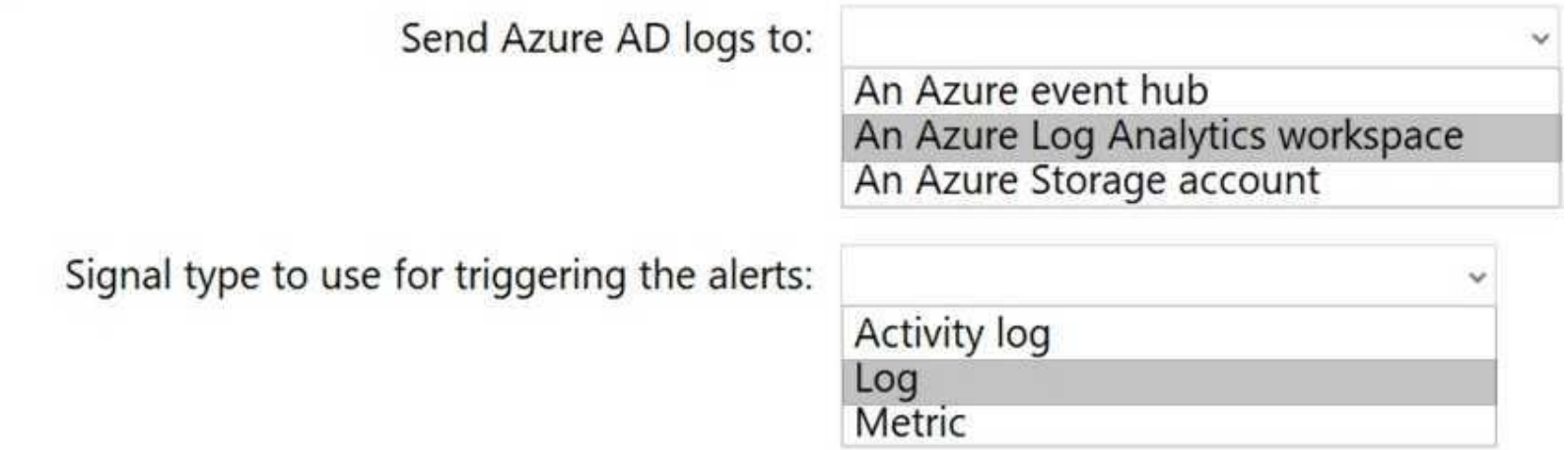
**QUESTION** 151
HOTSPOT
You have an Azure Active Directory (Azure AD) tenant.
You plan to use Azure Monitor to monitor user sign-ins and generate alerts based on specific user sign-in events.
You need to recommend a solution to trigger the alerts based on the events.
What should you include in the recommendation? To answer, select the appropriate options in the

answer area.
NOTE: Each correct selection is worth one point.




Answer:




Explanation:
Box 1: An Azure Log Analytics workspace
To be able to create an alert we send the Azure AD logs to An Azure Log Analytics workspace.
Note: You can forward your AAD logs and events to either an Azure Storage Account, an Azure Event Hub, Log Analytics, or a combination of all of these.
Box 2: Log
Ensure Resource Type is an analytics source like Log Analytics or Application Insights and signal type as Log.

Reference:
https:/sysops.com/archives/how-to-create-an-azure-ad-admin-login-alert/
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-log

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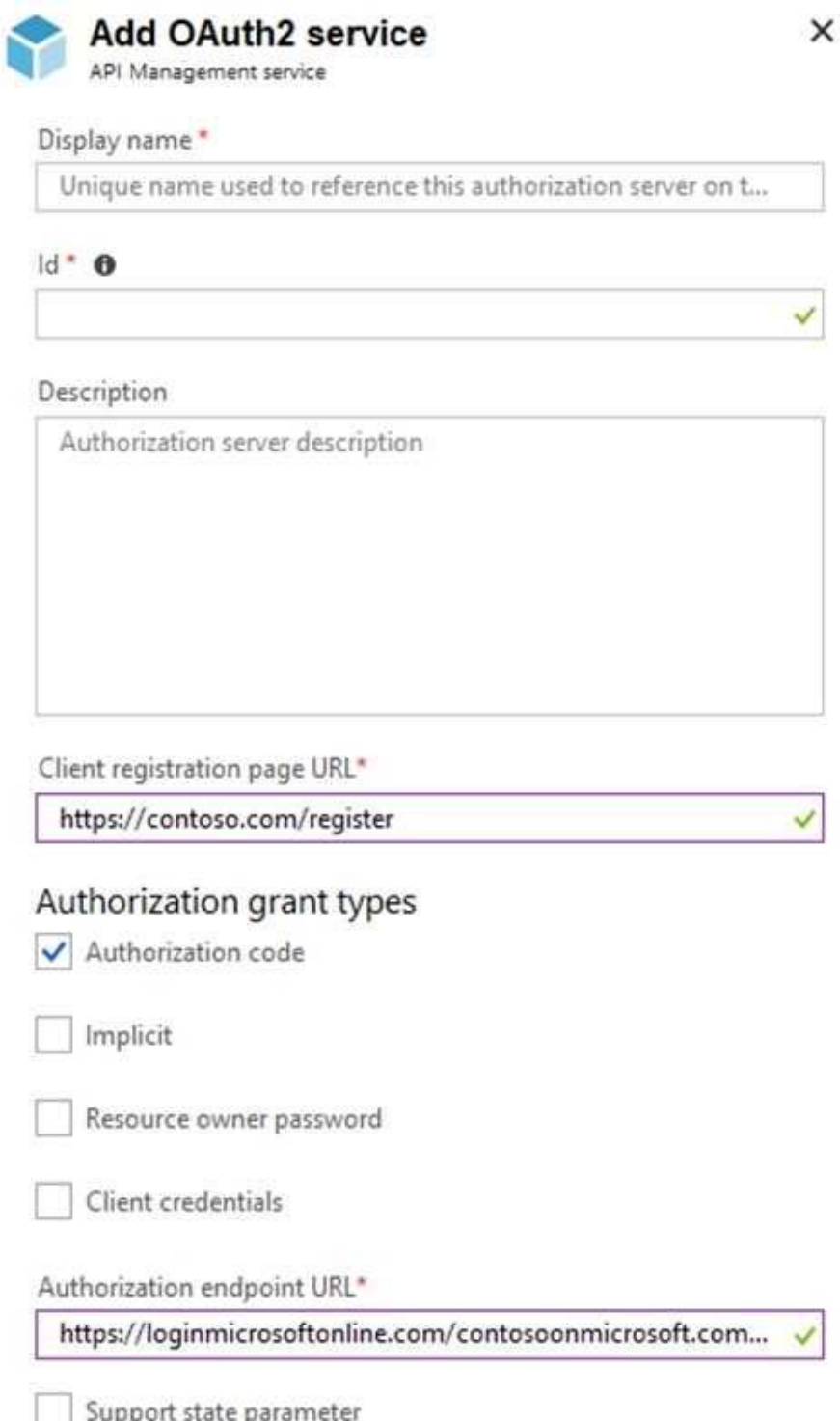
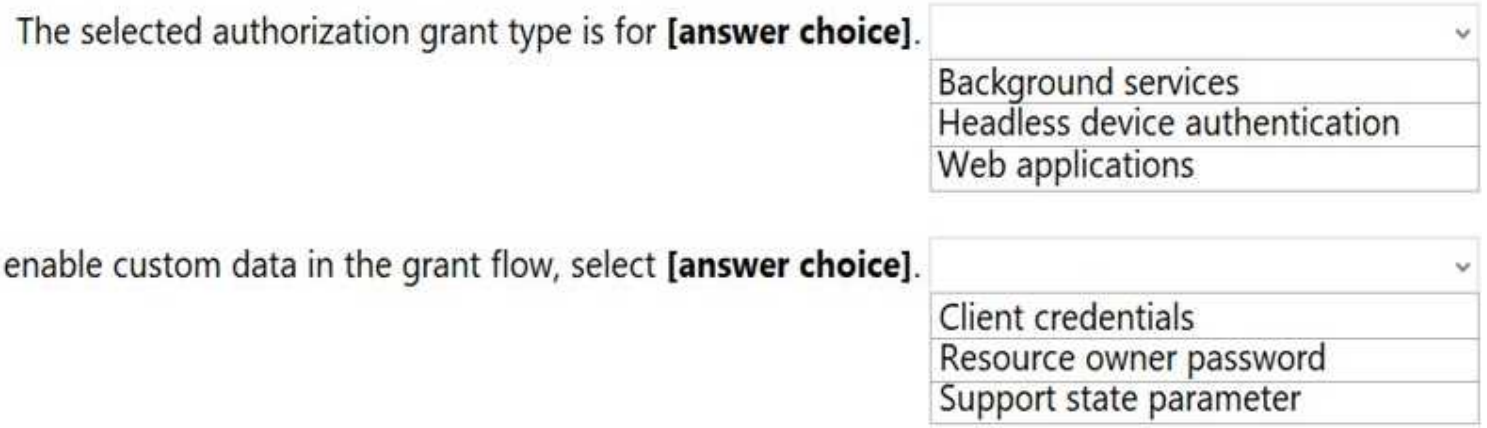
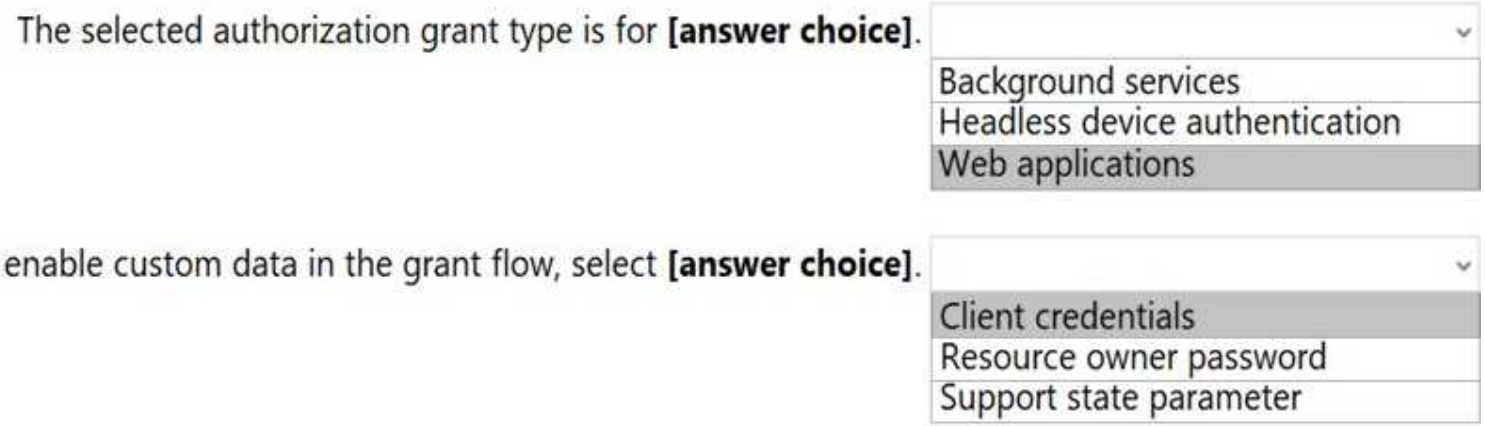
**QUESTION** 152
HOTSPOT
You configure OAuth2 authorization in API Management as shown in the following exhibit.


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

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.




Answer:




Explanation:
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.