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Microsoft
Exam Questions AZ-300
Microsoft Azure Architect Technologies
NEW QUESTION 1
You need to meet the connection requirements for the New York office. What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Topic 4, Case Study: 4
Overview
Existing Environment
A Datum Corporation is a financial company that has two main offices in New York and Los Angeles. A Datum has a subsidiary named Fabrikam, Inc that share, Los Angeles office.
A Datum is conducting an initial deployment of Azure services to host new line-of-business applications and is preparing to migrate its existing on-premises workloads to Azure.
A Datum uses Microsoft Exchange Online (or email
On-Premises Environment
The on-premises workloads run on virtual machines hosted in a VMware vSphere 6 infrastructure.
All the virtual machines and members of an Active Directory forest named adatum.com and run Windows Server 2016.
The New York office uses an IP address space of 10.0.0.0/16 The Los Angeles office uses an IP address space of 10.10.0.0/16.
The offices connect by using a VPN provided by an ISP. Each office has one Azure ExpressRoute circuit that provides access to Azure services and Microsoft Online Services. Routing is implemented by using Microsoft peering.
The New York office has a virtual machine named VM1 that has the vSphere console installed.
Azure Environment
You provision the Azure infrastructure by using the Azure portal. The infrastructure contains the resources shown in the following table.
AG1 has two backend pools named Pool11 and Pool12. AG2 has two backend pools named Pool21 and Pool22.

Requirements
- Planned Changes
  - Datum plans to migrate the virtual machines from the New York office to the East US Azure rec-on by using Azure Site Recovery.
  - Infrastructure Requirements
    - Datum identifies the following infrastructure requirements:
      - A new web app named App1 that will access third-parties for credit card processing must be deployed.
      - A newly developed API must be implemented as an Azure function named App2. App2 will use a blob storage trigger. App2 must process new blobs immediately.
      - The Azure infrastructure and the on-premises infrastructure must be prepared for the migration of the VMware virtual machines to Azure.
      - The sizes of the Azure virtual machines that will be used to migrate the on-premises workloads must be identified.
      - All migrated and newly deployed Azure virtual machines must be joined to the adatum.com domain.
      - AG1 must load balance incoming traffic in the following manner:
      - AG2 must load balance incoming traffic in the following manner:
        - http://www.fabnkam.com will be load balanced across Pool22.
      - ER1 must route traffic between the New York office and the platform as a service (PaaS) services in the East US Azure region, as long as ER1 is available.
      - ER2 must route traffic between the Los Angeles office and the PaaS services in the West US region, as long as ER2 is available.
      - ER1 and ER2 must be configured to fail over automatically.
    - Application Requirements
      - App2 must be able to connect directly to the private IP addresses of the Azure virtual machines. App2 will be deployed directly to an Azure virtual network.
      - Inbound and outbound communications to App1 must be controlled by using NSGs.
    - Pricing Requirements
      - Datum identifies the following pricing requirements:
        - The cost of App1 and App2 must be minimized.
        - The transactional charges of Azure Storage accounts must be minimized.

NEW QUESTION 2
You need to configure AG1. What should you create?

A. a basic routing rule
B. a multi-site listener
C. a basic listener
D. a URL path-based routing rule

Answer: D

Explanation:  References:

NEW QUESTION 3
You need to configure the Azure ExpressRoute circuits.
How should you configure Azure ExpressRoute routing? To answer, drag the appropriate configurations to the correct locations. Each Configuration 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.
NEW QUESTION 4
You are developing a Docker/Go using Azure App Service Web App for Containers. You plan to run the container in an App Service on Linux. You identify a Docker container image to use.
None of your current resource groups reside in a location that supports Linux. You must minimize the number of resource groups. You need to create the application and perform an initial deployment required.
Which three Azure CLI commands should you use to develop the solution? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.
NEW QUESTION 5
You are developing a .NET Core on-premises application that updates multiple Azure SQL Database instances. The application must log all update commands attempted to a separate Azure SQL Database instance named AuditDb. You define an outer Transaction Scope with a loop, enumerate, and run the SQL commands on each customer database connection and an inner Transaction Scope to record all transactions attempted within the outer Transaction Scope to the AuditDb database. You need to develop a method to perform the updates to the databases. The solution must meet the following requirements.

Which Transaction Scope Option values should you use?

A. Required for Customer Tran Scope Option and Required for Audit Tran Scope Option
B. Requires New for Customer Tran Scope Option and Suppress for Audit Tran Scope Option
C. Suppress for Customer Tran Scope Option and Suppress for Audit Tran Scope Option
D. Requires New for the Customer Tran Scope Option and Requires New for the Audit Tran Scope Option

Answer: A

NEW QUESTION 6
You develop a web app that uses the tier 1)1 app service plan by using the Web Apps feature of Microsoft Azure App Service. Spikes in traffic have caused increases in page load times. You need to ensure that the web app automatically scales when CPU load is about 85 percent and minimize costs. Which four 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.

Answer:

Explanation:

NEW QUESTION 7
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company backs up data to on-premises servers at their main facility. The company currently has 30 TB of archived data that infrequently used. The facility has download speeds of 100 Mbps and upload speeds of 20 Mbps. You need to securely transfer all backups to Azure Blob Storage for long-term archival. All backup data must be sent within seven days. Solution: Create a file share in Azure Files. Mount the file share to the server and upload the files to the file share. Transfer the files to Azure Blob Storage. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 8
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 to ensure security.
What should you implement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

### Authentication

**WebHook event delivery**

- SAS tokens
- Key authentication
- JWT token

**Topic publishing**

- ValidationCode handshake
- ValidationURL handshake
- Management Access Control

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Answer:

**Explanation:**

References:

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

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**NEW QUESTION 9**

You have an Azure Active Directory (Azure AD) tenant named contosodoud.onmicrosoft.com. Your company has a public DNS zone for contoso.com. You add contoso.com as a custom domain name to Azure AD. You need to ensure that Azure can verify the domain name. Which type of DNS record should you create?

A. PTR  
B. TXT  
C. NSEC3  
D. DNSKEY

**Answer:** B

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**NEW QUESTION 10**

You have an Azure subscription named Subscription1 that is used by several departments at your company. Subscription1 contains the resources in the following table.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage1</td>
<td>Storage account</td>
</tr>
<tr>
<td>RG1</td>
<td>Resource group</td>
</tr>
<tr>
<td>Container1</td>
<td>Blob container</td>
</tr>
<tr>
<td>Share1</td>
<td>File share</td>
</tr>
</tbody>
</table>

Another administrator deploys a virtual machine named VM1 and an Azure Storage account named Storage2 by using a single Azure Resource Manager template. You need to view the template used for the deployment. From which blade can you view the template that was used for the deployment?

A. Contained  
B. VM1  
C. Storage2  
D. RG1

**Answer:** D

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**NEW QUESTION 11**

You plan to deploy five virtual machines to a virtual network subnet. Each virtual machine will have a public IP address and a private IP address. Each virtual machine requires the same inbound and outbound security rules. What is the minimum number of network interfaces and network security groups that you require? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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NEW QUESTION 12
You need to implement the purchase requirement. What should you do?

A. Use the Bot Framework REST API conversation operations to send the user’s voice and the Speech Service API to recognize intents.
B. Use the Direct Line REST API to send the user’s voice and the Speech Service API to recognize intents.
C. Use the Speech Service API to send the user’s voice and the Bot Framework REST API conversation operations to recognize intents.
D. Use the Bot Framework REST API attachment operations to send the user’s voice and the Speech Service API to recognize intents.

Answer: A

NEW QUESTION 13
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