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Microsoft AZ-305 Practice Questions

Designing Microsoft Azure Infrastructure Solutions

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Microsoft AZ-305 Exam Syllabus Topics:

Topic	Details
Design Identity, Governance, and Monitoring Solutions (25-30%)	
Design a solution for logging and monitoring	- design a log routing solution - recommend an appropriate level of logging - recommend monitoring tools for a solution

Design authentication and authorization solutions	- recommend a solution for securing resources with role-based access control - recommend an identity management solution - recommend a solution for securing identities
Design governance	- recommend an organizational and hierarchical structure for Azure resources - recommend a solution for enforcing and auditing compliance
Design identities and access for applications	- recommend solutions to allow applications to access Azure resources - recommend a solution that securely stores passwords and secrets - recommend a solution for integrating applications into Azure Active Directory (Azure AD) - recommend a user consent solution for applications
Design Data Storage Solutions (25-30%)	
Design a data storage solution for relational data	- recommend database service tier sizing - recommend a solution for database scalability - recommend a solution for encrypting data at rest, data in transmission, and data in use
Design data integration	- recommend a solution for data integration - recommend a solution for data analysis

Microsoft AZ-305 Certification Exam is designed for Azure architects and engineers who are responsible for designing and implementing solutions in Microsoft Azure. AZ-305 exam is aimed at professionals who have experience with Azure technologies and services, and who have a good understanding of cloud computing concepts, including virtualization, storage, networking, and security. The AZ-305 exam tests your ability to design and implement solutions that meet the requirements of your organization, while also ensuring scalability, availability, and security.

Microsoft AZ-305 exam is designed for individuals who have prior experience in designing and implementing solutions using Microsoft Azure cloud services. AZ-305 exam is one of the two exams required to earn the Microsoft Certified: Azure Solutions Architect Expert certification. AZ-305 exam focuses on testing the knowledge and skills of candidates in designing and implementing Azure infrastructure solutions, including compute, storage, networking, and security.

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Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q160-Q165):

NEW QUESTION # 160

Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys. Several departments have the following requests to support the applications:

Department	Request
Security	- Review membership of administrative roles and require to provide a justification for continued membership - Get alerts about changes in administrator assignments. - See a history of administrator activation, including which changes administrators made to Azure resources.
Development	Enable the applications to access Azure Key Vault and retrieve keys for use in code.
Quality Assurance	Receive temporary administrator access to create and configure additional Web and API applications in the test environment.

You need to recommend the appropriate Azure service for each department request.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Department	Azure Service
Security	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection
Development	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection
Quality Assurance	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection

Answer:

Explanation:

Department	Azure Service
Security	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection
Development	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection
Quality Assurance	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection

Explanation:

Text Description automatically generated with medium confidence

Department	Azure Service
Security	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection
Development	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection
Quality Assurance	▼ - Azure AD Privileged Identity Management - Azure AD Managed Service Identity - Azure AD Connect - Azure AD Identity Protection

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

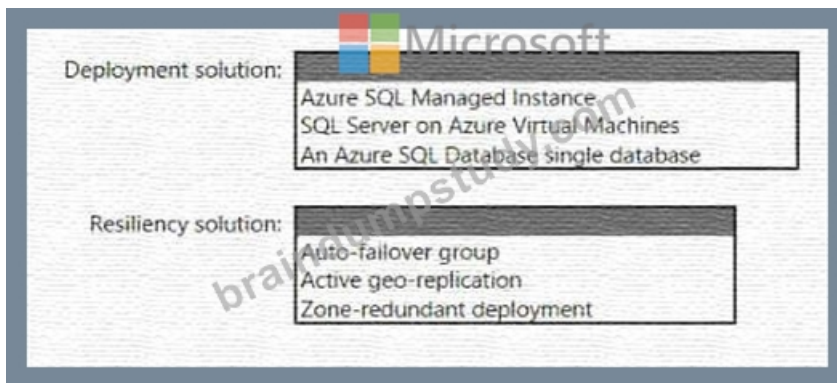
NEW QUESTION # 161

You plan to migrate on-premises Microsoft SQL Server databases to Azure.

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

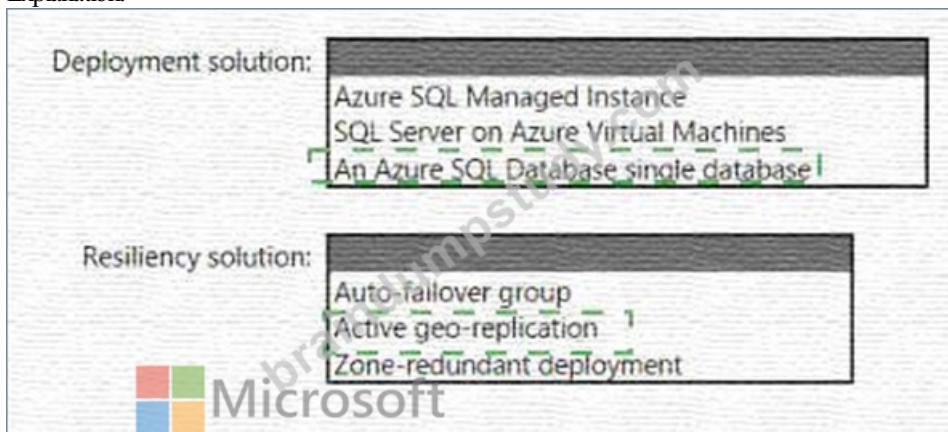
- * Supports user-initiated backups
 - * Supports multiple automatically replicated instances across Azure regions
 - * Minimizes administrative effort to implement and maintain business continuity
- What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

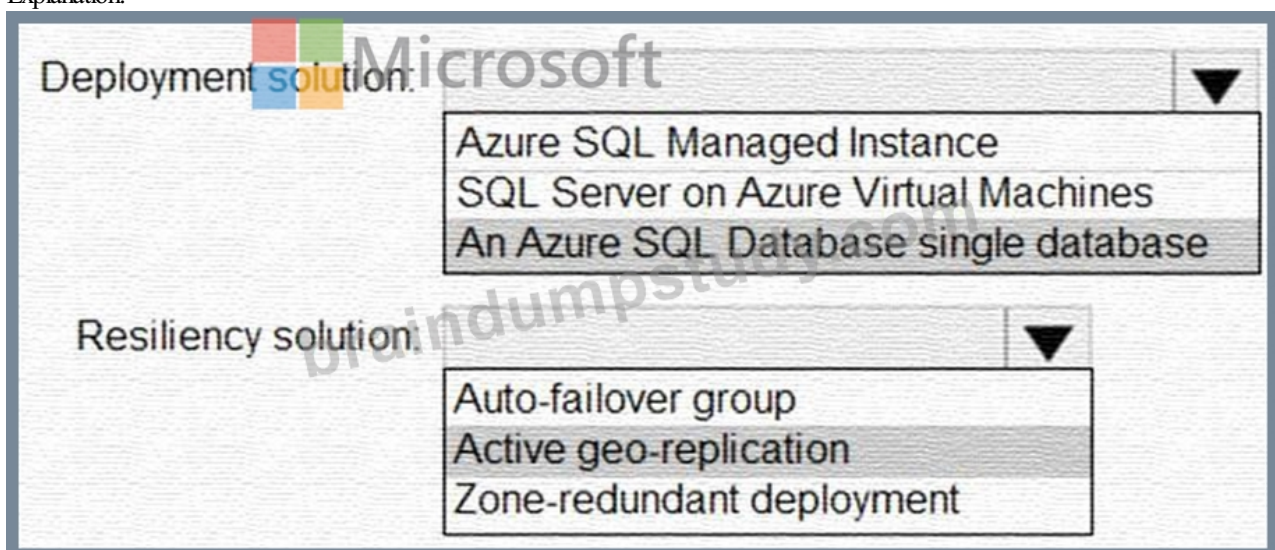


Answer:

Explanation:



Explanation:



Box 1: An Azure SQL Database single database.

SQL Server Managed instance versus SQL Server Virtual Machines

Active geo-replication is not supported by Azure SQL Managed Instance.

Box 2: Active geo-replication

Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview>

NEW QUESTION # 162

Your company has an Azure Web App that runs via the Premium App Service Plan.

A development team will be using the Azure Web App.

You have to configure the Azure Web app so that it can fulfil the below requirements:

- Provide the ability to switch the web app from the current version to a newer version
- Provide developers with the ability to test newer versions of the application before the switch to the newer version occurs
- Ensure that the application version can be rolled back
- Minimize downtime

Which of the following can be used for this requirement?

- A. Create a new App Service Plan
- B. Map a custom domain
- **C. Make use of deployment slots**
- D. Backup the Azure Web App

Answer: C

NEW QUESTION # 163

You have a Microsoft Dataverse instance named dv1 and an Azure Cosmos DB database named db1.

You need to develop a solution to update db1 automatically when a record is updated in dv1. The solution must minimize development effort.

What should you include in the solution?

- A. Azure Event Grid
- **B. Azure Logic Apps**
- C. Azure Functions
- D. Azure App Service

Answer: B

Explanation:

Step 1: Azure Connectors, Connect to Microsoft Dataverse from workflows in Azure Logic Apps To create and run automated workflows that create and manage rows in your Microsoft Dataverse database, you can use Azure Logic Apps and the Microsoft Dataverse connector.

These workflows can create rows, update rows, and perform other operations. *You can also get information from your Dataverse database and make the output available for other actions to use in your workflows*. For example, when a row is added, updated, or deleted in your Dataverse database, you can send an email by using the Office 365 Outlook connector.

Step 2: Azure Connectors, Process and create Azure Cosmos DB documents using Azure Logic Apps From your workflow in Azure Logic Apps, you can connect to Azure Cosmos DB and work with documents by using the Azure Cosmos DB connector. This connector provides triggers and actions that your workflow can use for Azure Cosmos DB operations. For example, actions include creating or updating, reading, querying, and deleting documents.

Add Azure Cosmos DB action

In Azure Logic Apps, an action is a step in your workflow that follows a trigger or another action.

The Azure Cosmos DB connector offers actions for both the Logic App (Consumption) and Logic App (Standard) resource types.

Reference:

<https://learn.microsoft.com/en-us/azure/connectors/connect-common-data-service>

<https://learn.microsoft.com/en-us/azure/connectors/connectors-create-api-cosmos-db>

NEW QUESTION # 164

You need to recommend a solution for the App1 maintenance task. The solution must minimize costs.

What should you include in the recommendation?

- A. an Azure function
- B. an App Service WebJob
- C. an Azure virtual machine
- **D. an Azure logic app**

Answer: D

Explanation:

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