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Get to know about the topics of the Microsoft AZ-305 Certification Exam

AZ-305 exam dumps cover the following topics of the Microsoft AZ-305 Certification Exam:

- Data storage solutions of design: 25%
- Business continuity solutions of design: 20%
- Identity, governance, and monitoring solutions of design: 30%
- Infrastructure solutions of design: 25%

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In today's fast-paced world, having access to Designing Microsoft Azure Infrastructure Solutions (AZ-305) study material on the go is important. Pass4suresVCE Designing Microsoft Azure Infrastructure Solutions (AZ-305) PDF questions are compatible with all smart devices, allowing you to study and prepare for the AZ-305 Exam whenever and wherever you choose. Since you can access real Microsoft AZ-305 dumps in PDF from your smartphone or tablet, you can easily fit AZ-305 exam preparation into your busy schedule.

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
Recommend a data storage solution	- recommend a solution for storing relational data - recommend a solution for storing semi-structured data - recommend a solution for storing non-relational data
Design a data storage solution for non-relational data	- recommend access control solutions to data storage - recommend a data storage solution to balance features, performance, and cost - design a data solution for protection and durability
Design Business Continuity Solutions (10-15%)	

The AZ-305 Exam covers a broad range of topics, including designing for compute, storage, networking, security, and monitoring in Azure. Candidates are expected to demonstrate their understanding of Azure services, such as Azure Virtual Machines, Azure Virtual Networks, Azure Storage, and Azure Active Directory. They should also be familiar with Azure Resource Manager templates and Azure CLI. AZ-305 exam requires a deep understanding of Azure architecture and best practices.

Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q130-Q135):

NEW QUESTION # 130

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.
NOTE: Each correct selection is worth one point.

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:

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 |

Explanation:

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 |

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-balancing-overview

NEW QUESTION # 131

Your company deploys an Azure App Service Web App.

During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to

10 based on HTTP queue length.

You need to improve the performance of the application.

Which solution should you use for each application scenario? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Scenario	Solution
Store content close to end users.	▼
	Azure Redis Cache
	Azure Traffic Manager
	Azure Content Delivery Network
	Azure Application Gateway
Store content close to the application.	▼
	Azure Redis Cache
	Azure Traffic Manager
	Azure Content Delivery Network
	Azure Application Gateway

Answer:

Explanation:

Scenario	Solution
Store content close to end users.	▼
	Azure Redis Cache
	Azure Traffic Manager
	Azure Content Delivery Network
	Azure Application Gateway
Store content close to the application.	▼
	Azure Redis Cache
	Azure Traffic Manager
	Azure Content Delivery Network
	Azure Application Gateway

Explanation
Graphical user interface, text Description automatically generated with medium confidence

Scenario

Solution

Store content close to end users.

▼
Azure Redis Cache
Azure Traffic Manager
Azure Content Delivery Network
Azure Application Gateway

Store content close to the application.

▼
Azure Redis Cache
Azure Traffic Manager
Azure Content Delivery Network
Azure Application Gateway

Box 1: Content Delivery Network
A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.
Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP).
Box 2: Azure Redis Cache
Azure Cache for Redis is based on the popular software Redis. It is typically used as a cache to improve the performance and scalability of systems that rely heavily on backend data-stores. Performance is improved by temporarily copying frequently accessed data to fast storage located close to the application. With Azure Cache for Redis, this fast storage is located in-memory with Azure Cache for Redis instead of being loaded from disk by a database.
References:
https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview

NEW QUESTION # 132
You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.
Which storage solution should you recommend for archiving?

- A. Use an Azure Blob storage account configured to use the Archive access tier
- B. Ingest the log files into an Azure Log Analytics workspace
- C. Use an Azure Blob storage account and a time-based retention policy
- D. Use an Azure file share that has access control enabled

Answer: C

Explanation:
Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.
Immutable storage supports:
Time-based retention policy support: Users can set policies to store data for a specified interval.
When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage

NEW QUESTION # 133

You plan to migrate DB1 and DB2 to Azure.

You need to ensure that the Azure database and the service tier meet the resiliency and business requirements.

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

NOTE: Each correct selection is worth one point.

Answer Area

Database:
- A single Azure SQL database
- Azure SQL Managed Instance
- An Azure SQL Database elastic pool

Service tier:
- Hyperscale
- Business Critical
- General Purpose

Answer:

Explanation:

Answer Area

Database:
- A single Azure SQL database
- Azure SQL Managed Instance
- An Azure SQL Database elastic pool

Service tier:
- Hyperscale
- Business Critical
- General Purpose

Explanation

Answer Area

Database: Azure SQL Managed Instance ▼

Service tier: General Purpose ▼

NEW QUESTION # 134

You need to recommend a solution to ensure that App1 can access the third-party credentials and access strings. The solution must meet the security requirements.

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:

Reference:
https://docs.microsoft.com/en-us/azure/key-vault/general/authentication

NEW QUESTION # 135
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