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The image is a composite of two parts. On the left, there is a promotional graphic for a practice test. It features the text "PRACTICE TEST" in a blue box, "AZ-305" in large bold letters, and "Microsoft 365 Certified Fundamentals" below it. The "measureup" logo is at the bottom. On the right, there is a portrait of a young woman with blonde hair, wearing glasses, a blue blazer, and a necklace, with her arms crossed.

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Skills measured

- Design identity, governance, and monitoring solutions (25-30%)
- Design data storage solutions (25-30%)
- Download the study guide in the preceding “Tip” box for more details about the skills measured on this exam.
- Design business continuity solutions (10-15%)
- Design infrastructure solutions (25-30%)

Who is this Microsoft AZ-305 exam for?

This Microsoft AZ-305 exam is designed for IT professionals who are currently working on the Azure platform. These professionals can be system administrators, network administrators, developers, architects, and consultants. They can also be working as a project manager, solution architect, system integrator, and enterprise architect. **AZ-305 exam dumps** are suitable for everyone who is interested in gaining this Microsoft Azure Infrastructure Solutions Certification. You can use the braindumps to get prepared for the Microsoft AZ-305 Certification Exam. The customer support team can also use this exam to verify their technical skills. Network architecture professionals can also take this exam. Messaging-driven business applications can use this exam to test their technical knowledge.

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Microsoft AZ-305 Exam is part of the Microsoft Certified: Azure Solutions Architect Expert certification path. Designing Microsoft Azure Infrastructure Solutions certification path is designed to help professionals develop their skills in designing and implementing solutions on the Azure infrastructure. Designing Microsoft Azure Infrastructure Solutions certification is aimed at professionals who have experience with Azure and want to demonstrate their expertise in designing and implementing Azure solutions.

Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q274-Q279):

NEW QUESTION # 274

You have an Azure subscription. The subscription contains an Azure SQL managed instance that stores employee details, including social security numbers and phone numbers.

You need to configure the managed instance to meet the following requirements:

- * The helpdesk team must see only the last four digits of an employee's phone number.
- * Cloud administrators must be prevented from seeing the employee's social security numbers.

What should you enable for each column in the managed instance? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point

Answer Area

Phone numbers: Dynamic data masking

Always Encrypted

Column encryption

Dynamic data masking

Transparent Data Encryption (TDE)

Social security numbers: Always Encrypted

Always Encrypted

Column encryption

Dynamic data masking

Transparent Data Encryption (TDE)

Answer:

Explanation:

Answer Area

Phone numbers: Dynamic data masking

Always Encrypted

Column encryption

Dynamic data masking

Transparent Data Encryption (TDE)

Social security numbers: Always Encrypted

Always Encrypted

Column encryption

Dynamic data masking

Transparent Data Encryption (TDE)

Explanation:

Answer Area

Phone numbers: Dynamic data masking

Social security numbers: Always Encrypted

Microsoft

NEW QUESTION # 275

You are planning an Azure solution that will host production databases for a high-performance application. The solution will include the following components:

Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.

SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension) You identify the storage priorities for various data types as shown in the following table.

| Data type | Storage priority |
|--------------------|------------------------|
| Operating system | Speed and availability |
| Databases and logs | Speed and availability |
| Backups | Lowest cost |

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type 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.

Storage Types

- A geo-redundant storage (GRS) account
- A locally-redundant storage (LRS) account
- A premium managed disk
- A standard managed disk

Answer Area

Operating system:

Databases and logs:

Backups:

Answer:

Explanation:

| Storage Types | Answer Area |
|---|--|
| A geo-redundant storage (GRS) account | Operating system: A premium managed disk |
| A locally-redundant storage (LRS) account | Databases and logs: A premium managed disk |
| A premium managed disk | Backups: A locally-redundant storage (LRS) account |
| A standard managed disk | |

NEW QUESTION # 276

You need to design a highly available Azure SQL database that meets the following requirements:

- * Failover between replicas of the database must occur without any data loss.
- * The database must remain available in the event of a zone outage.
- * Costs must be minimized.

Which deployment option should you use?

- A. Azure SQL Database Managed Instance Business Critical
- B. Azure SQL Database Standard
- C. Azure SQL Database Serverless
- D. Azure SQL Database Business Critical

Answer: C

Explanation:

Explanation

General Purpose / Standard prevents data loss through high available storage

<https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tier-general-purpose?view=azuresql>. This architectural model relies on high availability and reliability of Azure Blob storage that transparently replicates database files and guarantees no data loss if underlying infrastructure failure happens. General Purpose / Standard support Zone Redundancy For General Purpose tier the zone-redundant configuration is Generally Available in the following regions:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla?view=azuresql&tabs=azure-pow> Without any information regarding the usage pattern, serverless is possible. Other option is D<https://docs.microsoft.com/en-us/azure/azure-sql/database/serverless-tier-overview?view=azuresql>

NEW QUESTION # 277

You are designing a data pipeline that will integrate large amounts of data from multiple on-premises Microsoft SQL Server databases into an analytics platform in Azure. The pipeline will include the following actions:

- * Database updates will be exported periodically into a staging area in Azure Blob storage.
- * Data from the blob storage will be cleansed and transformed by using a highly parallelized load process.
- * The transformed data will be loaded to a data warehouse.
- * Each batch of updates will be used to refresh an online analytical processing (OLAP) model in a managed serving layer.
- * The managed serving layer will be used by thousands of end users.

You need to implement the data warehouse and serving layers.

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

NOTE: Each correct selection is worth one point.

Answer Area

To implement the data warehouse:

An Apache Spark pool in Azure Synapse Analytics

An Azure Synapse Analytics dedicated SQL pool

Azure Data Lake Analytics

To implement the serving layer:

Azure Analysis Services

An Apache Spark pool Azure Synapse Analytics

An Azure Synapse Analytics dedicated SQL pool

Answer:

Explanation:

Answer Area

To implement the data warehouse:

An Apache Spark pool in Azure Synapse Analytics

An Azure Synapse Analytics dedicated SQL pool

Azure Data Lake Analytics

To implement the serving layer:

Azure Analysis Services

An Apache Spark pool Azure Synapse Analytics

An Azure Synapse Analytics dedicated SQL pool

Explanation

Answer Area

To implement the data warehouse: Azure Data Lake Analytics

To implement the serving layer: Azure Analysis Services

NEW QUESTION # 278

You have an Azure App Service web app named Webapp1 that connects to an Azure SQL database named DB1. Webapp1 and DB1 are deployed to the East US Azure region.

You need to ensure that all the traffic between Webapp1 and DB1 is sent via a private connection.

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

NOTE: Each correct selection is worth one point.

Answer Area

Create a virtual network that contains at least:

From the virtual network, configure name resolution to use:

1 subnet
2 subnets
3 subnets

A private DNS zone
A public DNS zone
The Azure DNS Private Resolver

Answer:

Explanation:

Answer Area

Create a virtual network that contains at least:

From the virtual network, configure name resolution to use:

1 subnet
2 subnets
3 subnets

A private DNS zone
A public DNS zone
The Azure DNS Private Resolver

Explanation:

Answer Area

Create a virtual network that contains at least: 1 subnet

From the virtual network, configure name resolution to use: The Azure DNS Private Resolver

NEW QUESTION # 279

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