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## AZ-305 Exam Questions Vce | AZ-305 Reliable Study Guide

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To be eligible for the Microsoft AZ-305 exam, candidates must have a good understanding of Azure services and technologies, as well as experience in designing and implementing solutions on the Azure platform. AZ-305 exam is suitable for IT professionals, including cloud architects, solution architects, and infrastructure architects who are looking to validate their skills and knowledge in Azure infrastructure solutions.

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.

## Understanding of the salary of the Microsoft AZ-305 Certified Professional

The salary of a Microsoft AZ-305 Certified Professional depends on the company you are working in. However, the average salary of a Microsoft AZ-305 Certified Professional who passes his exam with the help of **AZ-305 exam dumps** is given as follows

- In Germany: 100,000 EUR
- In Australia: 85,000 AUD
- In the UK: 100,000 GBP
- In the United States: 120,000 USD
- In India: 70,000 INR

## Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q48-Q53):

### NEW QUESTION # 48

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

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

## Answer Area

- Operating system: A premium managed disk
- Databases and logs: A premium managed disk
- Backups**: A locally-redundant storage (LRS) account

### NEW QUESTION # 49

You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 virtual machines to a new Azure subscription. You identify the following technical requirements:

- \* All Azure virtual machines must be placed on the same subnet named Subnet1.
- \* All the Azure virtual machines must be able to communicate with all on-premises servers.
- \* The servers must be able to communicate between the on-premises network and Azure by using a site-to-site VPN.

You need to recommend a subnet design that meets the technical requirements.

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnets. Each network address 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.

Network Addresses	Answer Area
172.16.0.0/16	Subnet1: Network address
172.16.1.0/27	Gateway subnet: Network address
192.168.0.0/24	
192.168.1.0/27	

**Answer:**

Explanation:

Network Addresses	Answer Area
172.16.0.0/16	Subnet1: 192.168.0.0/24
172.16.1.0/27	Gateway subnet: 192.168.1.0/27
192.168.0.0/24	
192.168.1.0/27	

Explanation:

Answer Area
Subnet1: 192.168.0.0/24
Gateway subnet: 192.168.1.0/27

### NEW QUESTION # 50

You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.

You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each

policy 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.

The screenshot shows a Microsoft quiz interface. On the left, under 'Policies', there are three options: 'None', 'ReadOnly', and 'ReadWrite'. On the right, under 'Answer Area', there are two sections: 'Log:' containing 'Policy' and 'Data:' containing 'Policy'. A Microsoft logo is visible at the bottom.

**Answer:**

Explanation:

The screenshot shows a Microsoft quiz interface. On the left, under 'Policies', 'None' and 'ReadOnly' are highlighted with a dashed green box. On the right, under 'Answer Area', 'Log:' contains 'None' and 'Data:' contains 'ReadOnly'. A Microsoft logo is visible at the bottom.

Explanation:

The screenshot shows a Microsoft quiz interface. On the left, under 'Log:', 'None' is listed. On the left, under 'Data:', 'ReadOnly' is listed. A Microsoft logo is visible at the top.

References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performance>

### NEW QUESTION # 51

You have an Azure subscription.

You plan to deploy 50 Azure App Service instances that will host code-based web apps.

You need to recommend a solution to define the configuration of the instances and maintain a version history of the configurations. What should you include in the recommendation?

- A. Bicep files in Azure Repos
- B. images in Azure Compute Gallery
- C. ZIP packages in Azure Repos
- D. images in an Azure container registry

**Answer: A**

Explanation:

Bicep enables you to deploy Azure resources. Bicep uses a declarative syntax that you treat like application code. Treating your infrastructure as code enables you to track changes to your infrastructure requirements and makes your deployments more consistent and repeatable.

Azure App Service enables continuous deployment from GitHub, Bitbucket, and Azure Repos repositories by pulling in the latest updates.

Azure Repos is a set of version control tools that you can use to manage your code. Whether your software project is large or small, using version control as soon as possible is a good idea.

Version control systems are software that helps you track changes you make in your code over time.

Reference:

<https://learn.microsoft.com/en-us/training/modules/introduction-to-infrastructure-as-code-using-bicep/5-how-bicep-works>

<https://learn.microsoft.com/en-us/azure/devops/repos/get-started/what-is-repos>

## NEW QUESTION # 52

You are designing a data storage solution to support reporting.

The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:

- \* Organize data in directories by date and time.
- \* Allow stored data to be queried directly, transformed into summarized tables, and then stored in a data warehouse.
- \* Ensure that the data warehouse can store 50 TB of relational data and support between 200 and 300 concurrent read operations.

Which service should you recommend for each type of data store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Data store for the ingested data:  Azure Data Lake Storage Gen2  
 Azure Blob Storage  
 Azure Data Lake Storage Gen2  
 Azure Files  
 Azure NetApp Files

Data store for the data warehouse:  Azure SQL Database Hyperscale  
 Azure Cosmos DB for Apache Cassandra  
 Azure Cosmos DB for NoSQL  
 Azure SQL Database Hyperscale  
 Azure Synapse Analytics dedicated SQL pools

**Answer:**

Explanation:

**Answer Area**

Data store for the ingested data:  Azure Data Lake Storage Gen2  
 Azure Blob Storage  
 Azure Data Lake Storage Gen2  
 Azure Files  
 Azure NetApp Files

Data store for the data warehouse:  Azure SQL Database Hyperscale  
 Azure Cosmos DB for Apache Cassandra  
 Azure Cosmos DB for NoSQL  
 Azure SQL Database Hyperscale  
 Azure Synapse Analytics dedicated SQL pools

 Microsoft

Explanation

Graphical user interface, text, application, email Description automatically generated

**Answer Area**

Data store for the ingested data:  Azure Data Lake Storage Gen2

Data store for the data warehouse:  Azure SQL Database Hyperscale

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## NEW QUESTION # 53

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