

# AZ-305 Pass-Sure Materials: Designing Microsoft Azure Infrastructure Solutions - AZ-305 Training Guide & AZ-305 Quiz Torrent



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## Microsoft AZ-305 Exam Questions: Attain Your Professional Career Targets [2026]

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### Microsoft Designing Microsoft Azure Infrastructure Solutions Sample Questions (Q184-Q189):

#### NEW QUESTION # 184

Hotspot Question

You have an on-premises VMware environment that contains a vCenter Server instance and two ESXi hosts.

You have an Azure subscription.

You are designing a solution to migrate the virtual machines from the VMware environment to an Azure VMware Solution private cloud.

You need to recommend which type of connection to use for the migration and the minimum number of hosts required for the Azure VMware Solution private cloud. The solution must minimize costs and provide full integration between the network in the Azure VMware Solution private cloud, the on-premises VMware network, and other Azure virtual networks.

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: Site-to-Site (S2S) VPN

You can use a Site-to-Site (S2S) VPN to connect your on-premises VMware environment to your Azure virtual network during a VM migration, providing a secure and persistent tunnel for connectivity to Azure, which requires an Azure Virtual Network Gateway. This setup enables private access to your migrated Azure VMs from your on-premises network, facilitating communication for ongoing operations and management.

Box 2: 3

For migrating to an Azure VMware Solution (AVS) private cloud, a minimum of three Azure hosts are required for the initial deployment. This forms the foundation of the AVS private cloud, which includes vCenter Server, vSAN, and other VMware components, allowing you to then migrate your on-premises virtual machines to this Azure-based VMware environment.

Reference:

<https://learn.microsoft.com/en-us/azure/azure-vmware/introduction>

#### NEW QUESTION # 185

You plan to migrate data to Azure.

The IT department at your company identifies the following requirements:

- The storage must support 1 PB of data.
- The data must be stored in blob storage.
- The storage must support three levels of subfolders.
- The storage must support access control lists (ACLs).

You need to meet the requirements.

What should you use?

- A. a premium storage account that is configured for files shares and supports large file shares
- B. a premium storage account that is configured for block blobs
- **C. a general purpose v2 storage account that has hierarchical namespace enabled**
- D. a premium storage account that is configured for page blobs

#### Answer: C

Explanation:

Microsoft recommends that you use a GPv2 storage account for most scenarios. It supports up to 5 PB, and blob storage including Data Lake storage.

Note: A key mechanism that allows Azure Data Lake Storage Gen2 to provide file system performance at object storage scale and prices is the addition of a hierarchical namespace. This allows the collection of objects/files within an account to be organized into a hierarchy of directories and nested subdirectories in the same way that the file system on your computer is organized. With a hierarchical namespace enabled, a storage account becomes capable of providing the scalability and cost-effectiveness of object storage, with file system semantics that are familiar to analytics engines and frameworks.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview>

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-namespace>

### NEW QUESTION # 186

You need to design a storage solution for an app that will store large amounts of frequently used data. The solution must meet the following requirements:

Maximize data throughput.

Prevent the modification of data for one year.

Minimize latency for read and write operations.

Which Azure Storage account type and storage service should you recommend? 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/storage/blobs/archive-blob>

### NEW QUESTION # 187

You need to design a storage solution for an app that will store large amounts of frequently used data. The solution must meet the following requirements:

Maximize data throughput.

Prevent the modification of data for one year.

Minimize latency for read and write operations.

Which Azure Storage account type and storage service 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: BlockBlobStorage

Block Blob is a premium storage account type for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.

Box 2: Blob

The Archive tier is an offline tier for storing blob data that is rarely accessed. The Archive tier offers the lowest storage costs, but higher data retrieval costs and latency compared to the online tiers (Hot and Cool).

Data must remain in the Archive tier for at least 180 days or be subject to an early deletion charge.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/archive-blob>

### NEW QUESTION # 188

You plan to create an Azure environment that will contain a root management group and 10 child management groups. Each child management group will contain five Azure subscriptions. You plan to have between 10 and 30 resource groups in each subscription. You need to design an Azure governance solution. The solution must meet the following requirements:

\* Use Azure Blueprints to control governance across all the subscriptions and resource groups.

