

# MICROSOFT AZ-305

Microsoft Designing Microsoft Azure Infrastructure Solutions  
Certification Questions & Answers

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**AZ-305**

**Microsoft Certified - Azure Solutions Architect Expert**

40-60 Questions Exam - 700 / 1000 Cut Score - Duration of 120 minutes

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**EDUSUM**

#1 Online Certification Guide

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## Discover More about the AZ-305 Certification

Are you interested in passing the Microsoft AZ-305 exam? First discover, who benefits from the AZ-305 certification. The AZ-305 is suitable for a candidate if he wants to learn about Microsoft Azure. Passing the AZ-305 exam earns you the Microsoft Certified - Azure Solutions Architect Expert title.

While preparing for the AZ-305 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The AZ-305 PDF contains some of the most valuable preparation tips and the details and instant access to useful [AZ-305 study materials just at one click](#).

## Microsoft AZ-305 Designing Microsoft Azure Infrastructure Solutions Certification Details:

Exam Name	Microsoft Certified - Azure Solutions Architect Expert
Exam Code	AZ-305
Exam Price	\$165 (USD)
Duration	120 mins
Number of Questions	40-60
Passing Score	700 / 1000
Books / Training	<a href="#">Course AZ-305T00: Designing Microsoft Azure Infrastructure Solutions</a>
Schedule Exam	<a href="#">Pearson VUE</a>
Sample Questions	<a href="#">Designing Microsoft Azure Infrastructure Solutions Sample Questions</a>
Practice Exam	<a href="#">Microsoft AZ-305 Certification Practice Exam</a>

## AZ-305 Syllabus:

Topic	Details
<b>Design Identity, Governance, and Monitoring Solutions (25-30%)</b>	
Design a solution for logging and monitoring	<ul style="list-style-type: none"> <li>- Design a log routing solution</li> <li>- Recommend an appropriate level of logging</li> <li>- Recommend monitoring tools for a solution</li> </ul>
Design authentication and authorization solutions	<ul style="list-style-type: none"> <li>- Recommend a solution for securing resources with role-based access control</li> <li>- Recommend an identity management solution</li> <li>- Recommend a solution for securing identities</li> </ul>
Design governance	<ul style="list-style-type: none"> <li>- Recommend an organizational and hierarchical structure for Azure resources</li> <li>- Recommend a solution for enforcing and auditing compliance</li> </ul>
Design identities and access for applications	<ul style="list-style-type: none"> <li>- Recommend solutions to allow applications to access Azure resources</li> <li>- Recommend a solution that securely stores passwords and secrets</li> <li>- Recommend a solution for integrating applications into Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra</li> <li>- Recommend a user consent solution for applications</li> </ul>
<b>Design Data Storage Solutions (25-30%)</b>	
Design a data storage solution for relational data	<ul style="list-style-type: none"> <li>- Recommend database service tier sizing</li> <li>- Recommend a solution for database scalability</li> <li>- Recommend a solution for encrypting data at rest, data in transmission, and data in use</li> </ul>
Design data integration	<ul style="list-style-type: none"> <li>- Recommend a solution for data integration</li> <li>- Recommend a solution for data analysis</li> </ul>
Recommend a data storage solution	<ul style="list-style-type: none"> <li>- Recommend a solution for storing relational data</li> <li>- Recommend a solution for storing semi-structured data</li> <li>- Recommend a solution for storing non-relational data</li> </ul>

Topic	Details
Design a data storage solution for non-relational data	<ul style="list-style-type: none"> <li>- Recommend access control solutions to data storage</li> <li>- Recommend a data storage solution to balance features, performance, and cost</li> <li>- Design a data solution for protection and durability</li> </ul>
<b>Design Business Continuity Solutions (10-15%)</b>	
Design a solution for backup and disaster recovery	<ul style="list-style-type: none"> <li>- Recommend a recovery solution for Azure, hybrid, and on-premises workloads that meets recovery objectives (Recovery Time Objective [RTO], Recovery Level Objective [RLO], Recovery Point Objective [RPO])</li> <li>- Understand the recovery solutions for containers</li> <li>- Recommend a backup and recovery solution for compute</li> <li>- Recommend a backup and recovery solution for databases</li> <li>- Recommend a backup and recovery solution for unstructured data</li> </ul>
Design for high availability	<ul style="list-style-type: none"> <li>- Identify the availability requirements of Azure resources</li> <li>- Recommend a high availability solution for compute</li> <li>- Recommend a high availability solution for non-relational data storage</li> <li>- Recommend a high availability solution for relational data storage</li> </ul>
<b>Design Infrastructure Solutions (25-30%)</b>	
Design a compute solution	<ul style="list-style-type: none"> <li>- Recommend a virtual machine-based compute solution</li> <li>- Recommend an appropriately sized compute solution based on workload requirements</li> <li>- Recommend a container-based compute solution</li> <li>- Recommend a serverless-based compute solution</li> </ul>
Design an application architecture	<ul style="list-style-type: none"> <li>- Recommend a caching solution for applications</li> <li>- Recommend a messaging architecture</li> <li>- Recommend an event-driven architecture</li> <li>- Recommend an automated deployment solution for your applications</li> <li>- Recommend an application configuration management</li> </ul>

Topic	Details
	solution - Recommend a solution for API integration
Design migrations	- Evaluate a migration solution that leverages the Cloud Adoption Framework for Azure - Assess and interpret on-premises servers, data, and applications for migration - Recommend a solution for migrating applications and virtual machines - Recommend a solution for migrating databases - Recommend a solution for migrating unstructured data
Design network solutions	- Recommend a network architecture solution based on workload requirements - Recommend a connectivity solution that connects Azure resources to the internet - Recommend a connectivity solution that connects Azure resources to on-premises networks - Optimize network performance for applications - Recommend a solution to optimize network security - Recommend a load balancing and routing solution

## Broaden Your Knowledge with Microsoft AZ-305 Sample Questions:

Question: 1

Reference Scenario: [click here](#)

You plan provision a High Performance Computing (HPC) cluster in Azure that will use a third-party scheduler. You need to recommend a solution to provision and manage the HPC cluster node.

What should you include in the recommendation?

- a) Azure Automation
- b) Azure CycleCloud
- c) Azure Purview
- d) Azure Lighthouse

**Answer: b**

**Question: 2**

Reference Scenario: [click here](#)

You are designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns. You need to recommend a database platform to host the databases.

The solution must meet the following requirements:

- The solution must meet a Service Level Agreement (SLA) of 99.99% uptime.
- The compute resources allocated to the databases must scale dynamically.
- The solution must have reserved capacity. Compute charges must be minimized.

What should you include in the recommendation?

- an elastic pool that contains 20 Azure SQL databases
- 20 databases on a Microsoft SQL server that runs on an Azure virtual machine in an availability set
- 20 databases on a Microsoft SQL server that runs on an Azure virtual machine
- 20 instances of Azure SQL Database serverless

**Answer: a**

**Question: 3**

Reference Scenario: [click here](#)

You are planning an Azure IoT Hub solution that will include 50,000 IoT devices. Each device will stream data, including temperature, device ID, and time data.

Approximately 50,000 records will be written every second. The data will be visualized in near real time. You need to recommend a service to store and query the data.

Which two services can you recommend?

Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- Azure Table Storage
- Azure Event Grid
- Azure Cosmos DB SQL API
- Azure Time Series Insights

**Answer: c, d**

## Question: 4

Reference Scenario: [click here](#)

You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain. You have an internal web app named WebApp1 that is hosted on-premises. WebApp1 uses Integrated Windows authentication.

Some users work remotely and do NOT have VPN access to the on-premises network. You need to provide the remote users with single sign-on (SSO) access to WebApp1.

Which two features should you include in the solution?

Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- a) Azure AD Application Proxy
- b) Azure AD Privileged Identity Management (PIM)
- c) Conditional Access policies
- d) Azure Arc
- e) Azure AD enterprise applications
- f) Azure Application Gateway

**Answer: a, c**

## Question: 5

Reference Scenario: [click here](#)

You are designing an application that will aggregate content for users. You need to recommend a database solution for the application.

The solution must meet the following requirements:

- Support SQL commands.
- Support multi-master writes.
- Guarantee low latency read operations.

What should you include in the recommendation?

- a) Azure Cosmos DB SQL API
- b) Azure SQL Database that uses active geo-replication
- c) Azure SQL Database Hyperscale
- d) Azure Database for PostgreSQL

**Answer: a**



## Question: 6

Reference Scenario: [click here](#)

You are designing an application that will be hosted in Azure. The application will host video files that range from 50 MB to 12 GB. The application will use certificate-based authentication and will be available to users on the internet.

You need to recommend a storage option for the video files. The solution must provide the fastest read performance and must minimize storage costs. What should you recommend?

- a) Azure Files
- b) Azure Data Lake Storage Gen2
- c) Azure Blob Storage
- d) Azure SQL Database

**Answer: c**

## Question: 7

Reference Scenario: [click here](#)

You need to recommend a solution that meets the data requirements for App1. What should you recommend deploying to each availability zone that contains an instance of App1?

- a) an Azure Storage account that uses geo-zone-redundant storage (GZRS)
- b) an Azure Data Lake store that uses geo-zone-redundant storage (GZRS)
- c) an Azure SQL database that uses active geo-replication
- d) an Azure Cosmos DB that uses multi-region writes

**Answer: d**

## Question: 8

Reference Scenario: [click here](#)

You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager (ARM) resource deployments in your Azure subscription.

What should you include in the recommendation?

- a) Azure Monitor action groups
- b) Azure Advisor
- c) Azure Analysis Services
- d) Azure Activity Log

**Answer: d**

**Question: 9**

Reference Scenario: [click here](#)

After you migrate App1 to Azure, you need to enforce the data modification requirements to meet the security and compliance requirements. What should you do?

- a) Create an access policy for the blob service
- b) Implement Azure resource locks
- c) Create Azure RBAC assignments.
- d) Modify the access level of the blob service

**Answer: b**

**Question: 10**

Reference Scenario: [click here](#)

You are developing a sales application that will contain several Azure cloud services and handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using XML messages. What should you include in the recommendation?

- a) Azure Service Fabric
- b) Azure Data Lake
- c) Azure Service Bus
- d) Azure Traffic Manager

**Answer: c**

# Avail the Study Guide to Pass Microsoft AZ-305 Designing Microsoft Azure Infrastructure Solutions Exam:

- Find out about the AZ-305 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [AZ-305 syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the AZ-305 training. Joining the Microsoft provided training for AZ-305 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [AZ-305 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. AZ-305 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

- Passing the AZ-305 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

## Here Is the Trusted Practice Test for the AZ-305 Certification

EduSum.Com is here with all the necessary details regarding the AZ-305 exam. We provide authentic practice tests for the AZ-305 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on EduSum.Com for rigorous, unlimited two-month attempts on the [AZ-305 practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Microsoft Certified - Azure Solutions Architect Expert.

**Start Online Practice of AZ-305 Exam by visiting URL**

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