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# MICROSOFT AZ-303

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**Microsoft Azure Architect Technologies Certification Questions & Answers**

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Exam Summary – Syllabus – Questions

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**AZ-303**

**[Microsoft Certified - Azure Solutions Architect Expert](#)**

**40-60 Questions Exam - 700/1000 Cut Score - Duration of 150 minutes**

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## Know Your AZ-303 Certification Well:

The AZ-303 is best suitable for candidates who want to gain knowledge in the Microsoft Azure. Before you start your AZ-303 preparation you may struggle to get all the crucial Azure Architect Technologies materials like AZ-303 syllabus, sample questions, study guide.

But don't worry the AZ-303 PDF is here to help you prepare in a stress free manner. The PDF is a combination of all your queries like-

- What is in the AZ-303 syllabus?
- How many questions are there in the AZ-303 exam?
- Which Practice test would help me to pass the AZ-303 exam at the first attempt?

Passing the AZ-303 exam makes you Microsoft Certified - Azure Solutions Architect Expert. Having the Azure Architect Technologies certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Microsoft AZ-303 Azure Architect Technologies Certification Details:

Exam Name	Microsoft Certified - Azure Solutions Architect Expert
Exam Code	AZ-303
Exam Price	\$165 (USD)
Duration	150 mins
Number of Questions	40-60
Passing Score	700 / 1000
Books / Training	<a href="#">AZ-303T00-A: Microsoft Azure Architect Technologies</a> <a href="#">AZ-030T00-A: Microsoft Azure technologies for AWS architects</a>
Schedule Exam	<a href="#">Pearson VUE</a>
Sample Questions	<a href="#">Microsoft Azure Architect Technologies Sample Questions</a>
Practice Exam	<a href="#">Microsoft AZ-303 Certification Practice Exam</a>

## AZ-303 Syllabus:

Topic	Details
<b>Implement and Monitor an Azure Infrastructure (50-55%)</b>	
Implement cloud infrastructure monitoring	<ul style="list-style-type: none"> <li>- monitor security</li> <li>- monitor performance</li> <li>- monitor health and availability</li> <li>- monitor cost</li> <li>- configure advanced logging</li> <li>- initiate automated responses by using Action Groups</li> <li>- configure and manage advanced alerts</li> </ul>
Implement storage accounts	<ul style="list-style-type: none"> <li>- select storage account options based on a use case</li> <li>- configure Azure Files and Azure Blob storage</li> <li>- configure network access to the storage account</li> <li>- implement Shared Access Signatures and access policies</li> <li>- implement Azure AD authentication for storage</li> <li>- manage access keys</li> <li>- implement Azure storage replication</li> <li>- implement Azure storage account failover</li> </ul>
Implement VMs for Windows and Linux	<ul style="list-style-type: none"> <li>- configure high availability</li> <li>- configure storage for VMs</li> <li>- select virtual machine size</li> <li>- implement Azure Dedicated Hosts</li> <li>- deploy and configure Virtual Machine Scale Sets</li> <li>- configure managed disk encryption</li> </ul>
Automate deployment and configuration of resources	<ul style="list-style-type: none"> <li>- save a deployment as an Azure Resource Manager template</li> <li>- modify Azure Resource Manager template (JSON and Bicep)</li> <li>- evaluate location of new resources</li> <li>- configure a VHD image</li> <li>- deploy from an image</li> <li>- manage an image library</li> <li>- create and execute an Azure Automation runbook</li> </ul>
Implement virtual networking	<ul style="list-style-type: none"> <li>- implement VNet to VNet connections</li> <li>- implement VNet peering</li> </ul>
Implement Azure Active Directory	<ul style="list-style-type: none"> <li>- add custom domains</li> <li>- configure Azure AD Identity Protection</li> <li>- implement self-service password reset</li> <li>- implement Conditional Access including MFA</li> <li>- configure fraud alerts</li> <li>- configure verification methods</li> </ul>

Topic	Details
	<ul style="list-style-type: none"> <li>- implement and manage guest accounts</li> <li>- manage multiple directories</li> </ul>
Implement and manage hybrid identities	<ul style="list-style-type: none"> <li>- install and configure Azure AD Connect</li> <li>- identity synchronization options</li> <li>- configure and manage password sync and password writeback</li> <li>- configure single sign-on</li> <li>- configure Azure AD Connect cloud sync</li> <li>- use Azure AD Connect Health</li> </ul>
<b>Implement Management and Security Solutions (25-30%)</b>	
Manage workloads in Azure	<ul style="list-style-type: none"> <li>- migrate workloads using Azure Migrate</li> <li>- implement Azure Backup for Azure workloads</li> <li>- implement disaster recovery</li> <li>- implement Azure Automation Update Management</li> </ul>
Implement load balancing and network security	<ul style="list-style-type: none"> <li>- implement Azure Load Balancer</li> <li>- implement an Azure Application Gateway</li> <li>- implement Web Application Firewall</li> <li>- implement Azure Firewall</li> <li>- implement Azure Firewall Manager</li> <li>- implement Azure Front Door</li> <li>- implement Azure Traffic Manager</li> <li>- implement Network Security Groups and Application Security Groups</li> <li>- implement Bastion</li> </ul>
Implement and manage Azure governance solutions	<ul style="list-style-type: none"> <li>- create and manage hierarchical structure that contains management groups, subscriptions and resource groups</li> <li>- assign RBAC roles</li> <li>- create a custom RBAC role</li> <li>- configure access to Azure resources by assigning roles</li> <li>- configure management access to Azure</li> <li>- interpret effective permissions</li> <li>- set up and perform an access review</li> <li>- implement and configure Azure Policy</li> <li>- implement and configure Azure Blueprints</li> </ul>
Manage security for applications	<ul style="list-style-type: none"> <li>- implement and configure Key Vault</li> <li>- implement and configure managed identities</li> <li>- register and manage applications in Azure AD</li> </ul>

Topic	Details
<b>Implement Solutions for Apps (10-15%)</b>	
Implement an application infrastructure	<ul style="list-style-type: none"> <li>- create and configure Azure App Service</li> <li>- create an App Service Web App for Containers</li> <li>- create and configure an App Service plan</li> <li>- configure App Service</li> <li>- configure networking for App Service</li> <li>- create and manage deployment slots</li> <li>- implement Logic Apps</li> <li>- implement Azure Functions</li> </ul>
Implement container-based applications	<ul style="list-style-type: none"> <li>- create a container image</li> <li>- configure Azure Kubernetes Service</li> <li>- push container images</li> <li>- deploy a solution on an Azure Container Instance</li> </ul>
<b>Implement and Manage Data Platforms (10-15%)</b>	
Implement NoSQL databases	<ul style="list-style-type: none"> <li>- configure Azure Storage tables</li> <li>- select appropriate Cosmos DB APIs</li> <li>- set up replicas in Cosmos DB</li> </ul>
Implement Azure SQL databases	<ul style="list-style-type: none"> <li>- configure Azure SQL database settings</li> <li>- implement Azure SQL managed instances</li> <li>- configure HA for an Azure SQL database</li> <li>- deploy an Azure SQL database</li> </ul>

## Microsoft AZ-303 Sample Questions:

### Question: 1

You are creating an IoT solution using Azure Time Series Insights. You configure the environment to ensure that all data for the current year is available. What should you do?

- a) Add a disaster recovery (DR) strategy.
- b) Set a value for the Data retention time setting.
- c) Change the pricing tier.
- d) Create a reference data set.

**Answer: d**

**Question: 2**

An app uses a virtual network with two subnets. One subnet is used for the application server. The other subnet is used for a database server. A network virtual appliance (NVA) is used as a firewall.

Traffic destined for one specific address prefix is routed to the NVA and then to an on-premises database server that stores sensitive data. A Border Gateway Protocol (BGP) route is used for the traffic to the on-premises database server. You need to recommend a method for creating the user-defined route.

Which two options should you recommend?

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

- a) For the virtual network configuration, use a VPN.
- b) For the next hop type, use a virtual network peering.
- c) For the virtual network configuration, use Azure ExpressRoute.
- d) For the next hop type, use a virtual network gateway.

**Answer: a, c**

**Question: 3**

A company hosts virtual machines (VMs) in an on-premises datacenter and in Azure. The on-premises and Azure-based VMs communicate using ExpressRoute.

The company wants to be able to continue regular operations if the ExpressRoute connection fails. Failover connections must use the Internet and must not require Multiprotocol Label Switching (MPLS) support.

You need to recommend a solution that provides continued operations. What should you recommend?

- a) Set up a second ExpressRoute connection.
- b) Increase the bandwidth of the existing ExpressRoute connection.
- c) Increase the bandwidth for the on-premises internet connection.
- d) Set up a VPN connection.

**Answer: d**

**Question: 4**

You are designing an Azure solution. The solution must meet the following requirements:

- Distribute traffic to different pools of dedicated virtual machines (VMs) based on rules
- Provide SSL offloading capabilities

You need to recommend a solution to distribute network traffic. Which technology should you recommend?

- a) server-level firewall rules
- b) Azure Application Gateway
- c) Azure Traffic Manager
- d) Azure Load Balancer

**Answer: b**

**Question: 5**

A company plans to use third-party application software to perform complex data analysis processes. The software will use up to 500 identical virtual machines (VMs) based on an Azure Marketplace VM image. You need to design the infrastructure for the third-party application server.

The solution must meet the following requirements:

- The number of VMs that are running at any given point in time must change when the user workload changes.
- When a new version of the application is available in Azure Marketplace it must be deployed without causing application downtime.
- Use VM scale sets.
- Minimize the need for ongoing maintenance.

Which two technologies should you recommend?

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

- a) single storage account
- b) autoscale
- c) single placement group
- d) managed disks

**Answer: b, d**



**Question: 6**

Your company has an Azure subscription. You enable multi-factor authentication (MFA) for all users. The company's help desk reports an increase in calls from users who receive MFA requests while they work from the company's main office.

You need to prevent the users from receiving MFA requests when they sign in from the main office. What should you do?

- a) From Azure Active Directory (Azure AD), configure organizational relationships.
- b) From the MFA service settings, create a trusted IP range.
- c) From Conditional access in Azure Active Directory (Azure AD), create a custom control.
- d) From Conditional access in Azure Active Directory (Azure AD), create a named location.

**Answer: b**

**Question: 7**

You pull a Dockerfile from an online repository. You build a container image from this file, and you want to add it to an Azure Container Registry named mytestreg. The name of image is my-test-app. You need to deploy the image to the registry.

Which command should you run from your developer computer?

- a) `az container create --name mytestreg --image my-test-app`
- b) `docker push mytestreg.azurecr.io/my-test-app`
- c) `codocker run -p mytestreg my-test-app`
- d) `az acr create --name mytestreglmy-test-app`

**Answer: b**

**Question: 8**

You are building a custom Azure function app to connect to Azure Event Grid. You need to ensure that resources are allocated dynamically to the function app. Billing must be based on the executions of the app.

What should you configure when you create the function app?

- a) the Windows operating system and the App Service plan hosting plan
- b) the Docker container and an App Service plan that uses the B1 pricing tier
- c) the Windows operating system and the Consumption plan hosting plan
- d) the Docker container and an App Service plan that uses the S1 pricing tier

**Answer: c**

**Question: 9**

You are developing a speech-enabled home automation control bot. The bot interprets some spoken words incorrectly. You need to improve the spoken word recognition for the bot. What should you implement?

- a) The Skype for Business Channel and use scorable dialogs for improving conversation flow.
- b) The Web Chat Channel and Speech priming using a Bing Speech Service and LUIS app.
- c) The Skype Channel and use scorable dialogs for improving conversation flow.
- d) The Cortana Channel and use scorable dialogs for improving conversation flow.

**Answer: b**

**Question: 10**

Your network contains an on-premises Active Directory and an Azure Active Directory (Azure AD) tenant. You deploy Azure AD Connect and configure pass-through authentication?

Your Azure subscription contains several web apps that are accessed from the Internet. You plan to enable Azure Multi-Factor Authentication (MFA) for the Azure tenant. You need to recommend a solution to prevent users from being prompted for Azure MFA when they access the web apps from the on-premises network.

What should you include in the recommendation?

- a) a site-to-site VPN between the on-premises network and Azure
- b) an Azure policy
- c) an Azure ExpressRoute circuit
- d) trusted IPs

**Answer: d**

## Study Guide to Crack Microsoft Azure Architect Technologies AZ-303 Exam:

- Getting details of the AZ-303 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the AZ-303 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Microsoft provided training for AZ-303 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the AZ-303 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on AZ-303 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

### Reliable Online Practice Test for AZ-303 Certification

Make EduSum.com your best friend during your Microsoft Azure Architect Technologies exam preparation. We provide authentic practice tests for the AZ-303 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual AZ-303 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the AZ-303 exam.

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