



70-532

MCSA Cloud Platform

A Success Guide to Prepare-
Developing Microsoft Azure Solutions

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Table of Contents

Introduction to 70-532 Exam on Developing Microsoft Azure Solutions.....	2
Microsoft 70-532 Certification Details:	2
Microsoft 70-532 Exam Syllabus:	3
70-532 Sample Questions:	6
Answers to 70-532 Exam Questions:	8

Introduction to 70-532 Exam on Developing Microsoft Azure Solutions

Use this quick start guide to collect all the information about Developing Microsoft Azure Solutions (70-532) Certification exam. This study guide provides a list of objectives and resources that will help you prepare for items on the 70-532 Developing Microsoft Azure Solutions exam. The Sample Questions will help you identify the type and difficulty level of the questions and the Practice Exams will make you familiar with the format and environment of an exam. You should refer this guide carefully before attempting your actual Microsoft MCSA Cloud Platform certification exam.

The Developing Microsoft Azure Solutions certification is mainly targeted to those candidates who want to build their career in Microsoft Visual Studio domain. The Microsoft Certified Solutions Associate (MCSA) - Cloud Platform exam verifies that the candidate possesses the fundamental knowledge and proven skills in the area of Microsoft MCSA Cloud Platform.

Microsoft 70-532 Certification Details:

Exam Name	Microsoft Certified Solutions Associate (MCSA) - Cloud Platform
Exam Code	70-532
Exam Price	\$165 (USD)
Duration	120 min
Number of Questions	45-55
Passing Score	700 / 1000
Books / Training	20532C
Schedule Exam	Pearson VUE
Sample Questions	Developing Microsoft Azure Solutions Sample Questions
Practice Exam	Microsoft 70-532 Certification Practice Exam

Microsoft 70-532 Exam Syllabus:

Topic	Details	Weights
Create and manage Azure Resource Manager Virtual Machines	<p>Deploy workloads on Azure Resource Manager (ARM) Virtual Machines (VMs)</p> <ul style="list-style-type: none"> - Identify workloads that can and cannot be deployed; run workloads, including Microsoft and Linux; create VMs <p>Perform configuration management</p> <ul style="list-style-type: none"> - Automate configuration management by using PowerShell Desired State Configuration and VM Agent (custom script extensions); configure VMs using a configuration management tool, such as Puppet or Chef; enable remote debugging <p>Configure ARM VM networking</p> <ul style="list-style-type: none"> - Configure static IP addresses, Network Security Groups (NSG), DNS, User Defined Routes (UDRs), external and internal load balancing with HTTP and TCP health probes, public IPs, firewall rules and direct server return; design and implement Application Gateway <p>Scale ARM VMs</p> <ul style="list-style-type: none"> - Scale up and scale down VM sizes, deploy ARM VM Scale Sets (VMSS), configure ARM VMSS auto-scale <p>Design and implement ARM VM storage</p> <ul style="list-style-type: none"> - Configure disk caching, plan for storage capacity, configure shared storage using Azure File service, configure geo-replication, implement ARM VMs with Standard and Premium Storage <p>Monitor ARM VMs</p> <ul style="list-style-type: none"> - Configure ARM VM monitoring, configure alerts, configure diagnostic and monitoring storage location <p>Manage ARM VM availability</p> <ul style="list-style-type: none"> - Configure multiple ARM VMs in an availability set for redundancy, configure each application tier into separate availability sets, combine the Load Balancer with availability sets 	30-35%

Topic	Details	Weights
Design and implement a storage and data strategy	<p>Implement Azure Storage blobs and Azure files</p> <ul style="list-style-type: none"> - Read data, change data, set metadata on a container, store data using block and page blobs, stream data using blobs, access blobs securely, implement async blob copy, configure Content Delivery Network (CDN), design blob hierarchies, configure custom domains, scale blob storage <p>Implement Azure storage tables and queues</p> <ul style="list-style-type: none"> - Implement CRUD with and without transactions; design and manage partitions; query using OData, scale tables and partitions, add and process messages, retrieve a batch of messages, scale queues <p>Manage access and monitor storage</p> <ul style="list-style-type: none"> - Generate shared access signatures, including client renewal and data validation; create stored access policies; regenerate storage account keys; configure and use Cross-Origin Resource Sharing (CORS); set retention policies and logging levels; analyse logs <p>Implement Azure SQL Databases</p> <ul style="list-style-type: none"> - Choose the appropriate database tier and performance level, configure and perform point-in-time recovery, enable geo-replication, import and export data and schema, scale Azure SQL databases <p>Implement Azure DocumentDB</p> <ul style="list-style-type: none"> - Create databases and collections, query documents, run DocumentDB queries <p>Implement Redis caching</p> <ul style="list-style-type: none"> - Choose a cache tier, implement data persistence, implement security and network isolation, tune cluster performance <p>Implement Azure Search</p> <ul style="list-style-type: none"> - Create a service index, add data, search an index, handle search results 	25-30%
Manage identity, application and network services	<p>Integrate an app with Azure Active Directory (Azure AD)</p> <ul style="list-style-type: none"> - Develop apps that use WS-federation, OAuth, 	15-20%

Topic	Details	Weights
	<p>and SAML-P endpoints; query the directory using Graph API</p> <p>Design and implement a communication strategy</p> <ul style="list-style-type: none"> - Implement hybrid connections to access data sources on-premises, leverage site-to-site (S2S) VPN and ExpressRoute to connect to an on-premises infrastructure <p>Design and implement a messaging strategy</p> <ul style="list-style-type: none"> - Develop and scale messaging solutions using service bus queues, topics, relays and notification hubs; monitor service bus queues, topics, relays, event hubs and notification hubs <p>Develop apps that use Azure AD B2C and Azure AD B2B</p> <ul style="list-style-type: none"> - Design and implement .NET MVC, Web API and Windows desktop apps that leverage social identity provider authentication, including Microsoft account, Facebook, Google+, Amazon and LinkedIn; leverage Azure AD B2B to design and implement applications that support partner-managed identities 	
<p>Design and implement Azure PaaS compute and web and mobile services</p>	<p>Design Azure App Service Web Apps</p> <ul style="list-style-type: none"> - Define and manage App Service plans; configure Web Apps settings, certificates and custom domains; manage Web Apps by using the API, Azure PowerShell and Xplat-CLI; implement diagnostics, monitoring and analytics; implement web jobs; design and configure Web Apps for scale and resilience <p>Implement Azure Functions</p> <ul style="list-style-type: none"> - Create Azure Functions, implement a webhook function, create an event processing function, implement an Azure-connected function <p>Implement API management</p> <ul style="list-style-type: none"> - Create managed APIs, configure API management policies, protect APIs with rate limits, add caching to improve performance, monitor APIs, customise the Developer Portal <p>Design Azure App Service API Apps</p> <ul style="list-style-type: none"> - Create and deploy API Apps, automate API discovery by using Swashbuckle, use Swagger 	<p>25-30%</p>

Topic	Details	Weights
	<p>API metadata to generate client code for an API app, monitor API Apps</p> <p>Develop Azure App Service Logic Apps - Create a Logic App connecting SaaS services, create a Logic App with B2B capabilities, create a Logic App with XML capabilities, trigger a Logic App from another app, create custom and long-running actions, monitor Logic Apps</p> <p>Develop Azure App Service Mobile Apps - Create a Mobile App, add offline sync to a Mobile App, add authentication to a Mobile App, add push notifications to a Mobile App</p> <p>Design and implement Azure Service Fabric apps - Create a Service Fabric application; build an Actors-based service; add a web front end to a Service Fabric application; monitor and diagnose services; migrate apps from cloud services; create, secure, upgrade and scale Service Fabric Cluster in Azure; scale a Service Fabric app</p>	

70-532 Sample Questions:

01. Which of the following is NOT true about WebJobs?

- a) They can only be triggered by a queue message.
- b) They must be deployed with a web application.
- c) They can only be written in C#.
- d) All of the above.

02. A WebJob can be triggered as a result of which of the following?

- a) A new blob added to a container
- b) A new message in a storage queue
- c) An on-demand request
- d) A SQL trigger

03. Which of the following is true regarding VIP swap?

- a) You can swap an environment from staging to production and back to production.
- b) A VIP swap moves a deployment between hosts.
- c) A VIP swap re-maps only the VIP.
- d) A VIP swap is a time-consuming operation.

04. How should you choose a good partition key for a Table storage implementation?

- a) They should always be unique, like a primary key in a SQL table.
- b) You should always use the same partition key for all records.
- c) Think about how you're likely to update the data using batch transactions.
- d) Find an even way to split them so that you have relatively even partition sizes.

05. Which of the following is true about the Cloud Services feature?

- a) Before you create a cloud service project, you have to know which web and worker roles you will include in the cloud service solution.
- b) The only way to create a worker role that listens to a Service Bus queue is to select the role template while creating the cloud service project.
- c) You must provide an implementation for the RoleEntryPoint when creating a worker role.
- d) Web.config settings do not work with web roles. You have to use cloud service configuration settings.

06. If you have a website set up with Traffic Manager for failover and the primary endpoint fails, what is the minimum amount of time active users will wait to failover to the next endpoint?

- a) 0 seconds
- b) 30 seconds
- c) 500 seconds
- d) 3,600 seconds

07. Which of the following is not included within a cloud service application package?

- a) Compiled application code
- b) Cloud service configuration (*.cscfg)
- c) Dependent assemblies
- d) Cloud service definition (*.csdef)

08. Which one of the following does auto-scale control?

- a) Instance size
- b) Instance count
- c) Instance region
- d) Instance memory

09. Which of the following statements are true of application integration with Azure AD?

- a) You can use WS-Federation, SAML-P, or OAuth for user authentication in a browser application.
- b) A client application identifier and key are required for OpenID Connect and OAuth requests.
- c) OAuth application client keys can be issued for one or two years.
- d) The sign-on URL and application ID URI must be set to the same value for an Azure AD application.

10. From what you know about SQL Database architecture, what should you include in your client application code?

- a) Connection resiliency, because you could failover to a replica.
- b) Transaction resiliency so you can resubmit a transaction in the event of a failover.
- c) Query auditing so you can baseline your current query times and know when to scale up the instance.
- d) A backup and restore operation for the database.

Answers to 70-532 Exam Questions:

Question: 01 Answer: d	Question: 02 Answer: a, b, c	Question: 03 Answer: a	Question: 04 Answer: c, d	Question: 05 Answer: c
Question: 06 Answer: b	Question: 07 Answer: b	Question: 08 Answer: b	Question: 09 Answer: c	Question: 10 Answer: a, b, c

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@edusum.com