



Study guide for Exam AZ-900: Microsoft Azure Fundamentals

Summarize this article for me

Purpose of this document

This study guide should help you understand what to expect on the exam and includes a summary of the topics the exam might cover and links to additional resources. The information and materials in this document should help you focus your studies as you prepare for the exam.

Useful links Description

-Your Microsoft Learn profile : Connecting your certification profile to Microsoft Learn allows you to schedule and renew exams and share and print certificates.

-Exam scoring and score reports: A score of 700 or greater is required to pass.

-Exam sandbox :You can explore the exam environment by visiting our exam sandbox.

Request accommodations If you use assistive devices, require extra time, or need modification to any part of the exam experience, you can request an accommodation.

Take a free Practice Assessment Test your skills with practice questions to help you prepare for the exam.

Updates to the exam

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We always update the English language version of the exam first. Some exams are localized into other languages, and those are updated approximately eight weeks after the English version is updated. Although Microsoft makes every effort to update localized versions as noted, there may be times when the localized versions of an exam are not updated on this schedule. Other available languages are listed in the Schedule Exam section of the Exam Details webpage. If the exam isn't available in your preferred language, you can request an additional 30 minutes to complete the exam.

Note

The bullets that follow each of the skills measured are intended to illustrate how we are assessing that skill. Related topics may be covered in the exam.

Note

Most questions cover features that are general availability (GA). The exam may contain questions on Preview features if those features are commonly used.

Skills measured as of July 20, 2026

Audience profile

As a candidate for this exam, you're a technology professional who wants to demonstrate foundational knowledge of cloud concepts in general and Microsoft Azure in particular. This exam is a common starting point in a journey towards a career in Azure.

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You can describe Azure architectural components and Azure services, such as:

Compute

Networking

Storage

You can also describe features and tools to secure, govern, and administer Azure.

You should have skills and experience working with an area of IT, such as:

Infrastructure management

Database management

Software development

Skills at a glance

Describe cloud concepts (25–30%)

Describe Azure architecture and services (35–40%)

Describe Azure management and governance (30–35%)

Describe cloud concepts (25–30%)

Describe cloud computing

Define cloud computing

Describe the shared responsibility model

Define cloud models, including public, private, and hybrid

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Identify appropriate use cases for each cloud model

Describe the consumption-based model

Compare cloud pricing models

Describe serverless

Describe the benefits of using cloud services

Describe the benefits of high availability and scalability in the cloud

Describe the benefits of reliability and predictability in the cloud

Describe the benefits of security and governance in the cloud

Describe the benefits of manageability in the cloud

Describe cloud service types

Describe infrastructure as a service (IaaS)

Describe platform as a service (PaaS)

Describe software as a service (SaaS)

Identify appropriate use cases for each cloud service type (IaaS, PaaS, and SaaS)

Describe Azure architecture and services (35–40%)

Describe the core architectural components of Azure

Describe Azure regions, region pairs, and sovereign regions

Describe availability zones

Describe Azure datacenters

Describe Azure resources and resource groups

Describe subscriptions

Describe management groups

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Describe the hierarchy of resource groups, subscriptions, and management groups

Describe Azure compute and networking services

Compare compute types, including containers, virtual machines, and functions

Describe virtual machine options, including Azure virtual machines, Azure Virtual Machine Scale Sets, availability sets, and Azure Virtual Desktop

Describe the resources required for virtual machines

Describe application hosting options, including web apps, containers, and virtual machines

Describe virtual networking, including the purpose of Azure virtual networks, subnets, peering, Azure DNS, Azure VPN Gateway, and ExpressRoute

Define public and private endpoints

Describe Azure storage services

Compare Azure Storage services

Describe storage tiers

Describe redundancy options

Describe storage account options and storage types

Identify options for moving files, including AzCopy, Azure Storage Explorer, and Azure File Sync

Describe migration options, including Azure Migrate and Azure Data Box

Describe Azure identity, access, and security

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Describe directory services in Azure, including Microsoft Entra ID and Microsoft

Entra Domain Services

Describe authentication methods in Azure, including single sign-on (SSO), multifactor authentication (MFA), and passwordless

Describe external identities in Azure

Describe Microsoft Entra Conditional Access

Describe Azure role-based access control (RBAC)

Describe the concept of Zero Trust

Describe the purpose of the defense-in-depth model

Describe the purpose of Microsoft Defender for Cloud

Describe Azure management and governance (30–35%)

Describe cost management in Azure

Describe factors that can affect costs in Azure

Explore the pricing calculator

Describe cost management capabilities in Azure

Describe the purpose of tags

Describe features and tools in Azure for governance and compliance

Describe the purpose of Microsoft Purview in Azure

Describe the purpose of Azure Policy

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Describe the purpose of resource locks

Describe features and tools for managing and deploying Azure resources

Describe the Azure portal

Describe Azure Cloud Shell, Azure CLI, and Azure PowerShell

Describe the purpose of Azure Arc

Describe infrastructure as code (IaC)

Describe Azure Resource Manager (ARM) and ARM templates

Describe monitoring tools in Azure

Describe the purpose of Azure Advisor

Describe Azure Service Health

Describe Azure Monitor, including Log Analytics, Azure Monitor alerts, and Azure Monitor Application Insights

Study resources

We recommend that you train and get hands-on experience before you take the exam. We offer self-study options and classroom training as well as links to documentation, community sites, and videos.

Study resources Links to learning and documentation

Get trained Choose from self-paced learning paths and modules or take an instructor-led course

Find documentation Azure on Microsoft Learn

Azure documentation

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Change log

The table below summarizes the changes between the current and previous version of the skills measured. The functional groups are in bold typeface followed by the objectives within each group. The table is a comparison between the previous and current version of the exam skills measured and the third column describes the extent of the changes.

Skill area prior to July 20, 2026	Skill area as of July 20, 2026	Change
Audience profile	No change	
Describe Azure architecture and services	Describe Azure architecture and services	No change
Describe Azure compute and networking services	Describe Azure compute and networking services	Minor
Describe Azure management and governance	Describe Azure management and governance	No change

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Describe features and tools for managing and deploying Azure resources Describe

features and tools for managing and deploying Azure resources Minor

Describe monitoring tools in Azure

Describe monitoring tools in Azure

Minor

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