**Passed in Mar 2025**

**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

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

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, Azure virtual 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

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

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

Describe external identities in Azure, including business-to-business (B2B) and business-to-customer (B2C)

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

Compare the pricing calculator and the Total Cost of Ownership (TCO) 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

Describe the purpose of resource locks

Describe features and tools for managing and deploying Azure resources

Describe the Azure portal

Describe Azure Cloud Shell, including Azure Command-Line Interface (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 Application Insights