



AZ-900: Microsoft Azure Fundamentals

Review and Preparation



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Topics

- **What to Expect**
- **How to Prepare**
- **Cloud Concepts**
- **Core Azure Services**
- **Security, Privacy,
Compliance & Trust**
- **Azure Pricing and Support**

What to Expect

Topics

Exam Domains
Exam Length
Types of Questions

Exam Info

- + Exam Domains
 - + <https://query.prod.cms.rt.microsoft.com/cms/api/am/binary/RE3VwUY>
- + Exam length
 - + 60 minutes
 - + 40 questions
- + Types of Questions
 - + Standard multi-choice
 - + Drag and drop
 - + Scenario
 - + Drop-down
 - + Replace a phrase

How to Prepare

Topics

Objective Domains
Study Tips
Exam Tips

Exam Objective Domains

- + Understand cloud concepts (15-20%)
- + Understand core Azure services (30-35%)
- + Understand security, privacy, compliance, and trust (25-30%)
- + Understand Azure pricing and support (20-25%)

<https://docs.microsoft.com/en-us/learn/certifications/exams/az-900>

Study Tips

- + Track progress to the topic detail level
- + Pay attention to the relative weight of the exam objectives
- + Use INE videos as study material
- + Look for material under docs.microsoft.com (site:docs.microsoft.com)
- + Use pricing pages
- + Pay attention to tiers
- + Take notes
- + Practice

Exam Tips

- + Manage your time
- + Read questions and answers carefully
- + Eliminate wrong answers
- + Choose the answer that makes Microsoft look the best
- + Don't freak out

Understand cloud concepts (15-20%)

Topics

- Describe the Benefits of Cloud Services
- Describe the Types of Cloud Services
- Describe the Different Types of Clouds

Describe the Benefits of Cloud Services

- + Cloud capabilities
 - + high availability
 - + scalability
 - + elasticity
 - + agility
 - + fault tolerance
 - + disaster recovery
- + CapEx and OpEx
- + Consumption-based model

Describe the Types of Cloud Services

- + Infrastructure-as-a-Service (IaaS)
- + Platform-as-a-Service (PaaS)
- + Software-as-a-Service (SaaS)

Describe the Different Types of Clouds

- + Public Cloud
- + Private Cloud
- + Hybrid-Cloud

Understand core Azure services (30-35%)

Topics

- Understand the Core Azure Architectural Components
- Describe Common Azure Products
- Describe Common Azure Solutions
- Understand Azure Management Tools

Understand the Core Azure Architectural Components

- + Azure Resource Manager
- + Resource Groups
- + Regions
- + Availability Zones

Describe Common Azure Products

- + Azure compute
 - + Virtual machines
 - + Virtual machine scale sets
 - + Function apps
 - + Container support
- + Azure networking
 - + Azure network components
 - + Load balancing
 - + VPN gateways
 - + Content delivery networks
- + Azure storage
- + Azure database support
- + Azure marketplace

Describe Common Azure Solutions

- + Internet of Things (IoT)
- + Big data
- + Artificial Intelligence (AI)
- + Serverless compute
- + DevOps

Understand Azure Management Tools

- + Azure Portal
- + Cloud Shell
- + Azure PowerShell
- + Azure CLI
- + Azure advisor

A dark, moody photograph of a man with a beard and glasses, seen from the side and slightly from behind. He is looking intently at a computer screen which displays several lines of white text on a dark background, likely code or system logs. The overall atmosphere is professional and focused.

Understand Security, Privacy, Compliance & Trust (25-30%)

Topics

- Understand Network Security
- Describe Azure Identity
- Describe Azure Security Tools & Features
- Understand Azure Governance
- Understand Azure Monitoring & Reporting
- Understand Azure Privacy, Compliance & Data Protection

Understand Network Security

- + Network Security Groups
- + Application Security Groups
- + Routing
- + Azure Firewall
- + Azure DDoS protection

Describe Azure Identity

Authentication and Authorization

Azure Active Directory (Azure AD)

Azure Multi-Factor Authentication (Azure MFA)

Describe Azure Security Tools & Features

- + Azure Security Center
- + Azure Key Vault
- + Azure Information Protection (AIP)
- + Azure Advanced Threat Protection (ATP)

Understand Azure Governance

- + Policies and initiatives
- + Role-Based Access Control (RBAC)
- + Locks
- + Azure advisor
- + Azure blueprints

Understand Azure Monitoring & Reporting

Azure Monitor

Azure Service Health

Understand Azure Privacy, Compliance and Data Protection

- + Microsoft Trust Center
- + Service Trust Portal
- + Compliance Manager

A dark-themed photograph of a man with dark hair, a beard, and glasses, wearing a dark t-shirt. He is looking intently at a computer screen which displays several lines of white text on a dark background, likely code or terminal output. The overall atmosphere is professional and focused.

Understand Azure Pricing & Support (20-25%)

Topics

- Azure Subscriptions
- Azure Cost Planning & Management
- Azure Support Options
- Azure Service Level Agreements
- Azure Service Life-Cycle

Azure Subscriptions

- + Subscription architecture
- + Subscription management

Azure Cost Planning & Management

- + Azure purchasing options
- + Azure free account
- + Azure cost factors
- + Azure billing zones
- + Azure price calculator
- + Azure Total-Cost-of-Ownership (TCO) calculator
- + Azure cost management tools
- + Azure cost management best practices

Azure Support Options

- + Azure support plans
 - + Basic
 - + Dev
 - + Standard
 - + Professional direct
 - + Premier
- + Azure support tickets
- + External support channels
- + Azure knowledge center

Azure Service Level Agreements

- + Understand Service Level Agreements (SLAs)
- + Determine Azure SLAs
- + Understand composite SLAs

Azure Service Life-Cycle

- + Private preview
- + Public preview
- + General availability