

Microsoft Azure Fundamentals (AZ-900) Certification Prep

Prepare for the Microsoft Azure Fundamentals (AZ-900) exam with live, trainer-led sessions, hands-on Azure labs, a quiz after every module and full-length practice exams.

DURATION	SESSIONS	TRAINING HOURS
8 weeks	40 live sessions	About 44 hours
MODE	LEVEL	INCLUDES
Live online, instructor-led	Beginner	Labs, quizzes, practice exams

What you will learn

- **Cloud concepts:** cloud models, the shared responsibility model, service types and the benefits of the cloud.
- **Azure architecture and services:** regions and availability zones, compute, networking, storage, identity, access and security.
- **Azure management and governance:** cost management, Azure Policy, resource locks, Microsoft Purview, deployment tools and monitoring.

Curriculum

Ten modules of four sessions each, from fundamentals to full-length practice exams. Each module ends with a short quiz.

Module 1 Cloud Computing Fundamentals

What cloud computing is and how responsibility is shared.

- 1 What cloud computing is; the shared responsibility model
- 2 Cloud models: public, private, hybrid and multi-cloud; Azure Arc
- 3 The consumption-based model, CapEx vs OpEx and serverless
- 4 Hands-on: an Azure free account and a tour of the portal and Cloud Shell

Module 2 Benefits of the Cloud and Service Types

Why organisations move to the cloud, and IaaS, PaaS and SaaS.

- 5 High availability, scalability, reliability and predictability
- 6 Security, governance and manageability in the cloud
- 7 IaaS, PaaS and SaaS: responsibilities and use cases
- 8 SLAs, composite availability and choosing a service type

Module 3 Azure Core Architecture

How Azure is organised physically and logically.

- 9 Regions, region pairs, sovereign regions and availability zones
- 10 Resources, resource groups, subscriptions and management groups
- 11 Designing for availability: zones, sets and scale sets
- 12 Hands-on: organising resources with groups, subscriptions and tags

Module 4 Compute and Application Hosting

Running workloads on Azure.

- 13 Azure Virtual Machines, scale sets, availability sets and Azure Virtual Desktop
- 14 Containers: Container Instances, Container Apps and AKS
- 15 Azure Functions and App Service
- 16 Hands-on: deploying a VM and a web app

Module 5 Networking

Connecting Azure resources securely.

- 17 Virtual networks, subnets, peering and Azure DNS
- 18 VPN Gateway and ExpressRoute
- 19 Public and private endpoints, network security groups, Azure Firewall and Bastion
- 20 Load Balancer, Application Gateway and Front Door

Module 6 Storage and Data Migration

Storing data and moving it into Azure.

- 21 Storage accounts, redundancy options (LRS, ZRS, GRS, GZRS)
- 22 Blob, Files, Queue, Table and Disk storage; access tiers
- 23 Moving data: AzCopy, Storage Explorer, File Sync, Azure Migrate and Data Box
- 24 Hands-on: a storage account with lifecycle rules

Module 7 Identity, Access and Security

Securing access and protecting resources.

- 25 Microsoft Entra ID, Entra Domain Services and external identities
- 26 Authentication: SSO, MFA, passwordless and Conditional Access
- 27 Azure RBAC, Zero Trust and defence in depth
- 28 Microsoft Defender for Cloud, Key Vault and Sentinel

Module 8 Cost Management and Governance

Controlling spending and staying compliant.

- 29 Factors that affect cost; the pricing calculator and total cost of ownership
- 30 Cost Management, budgets, reservations, savings plans and Hybrid Benefit
- 31 Azure Policy, resource locks and tags
- 32 Microsoft Purview and the Service Trust Portal

Module 9 Deploying, Managing and Monitoring

Tools for running Azure at scale.

- 33 Azure portal, Cloud Shell, CLI, PowerShell and Azure Arc
- 34 Azure Resource Manager, ARM templates and Bicep
- 35 Azure Advisor, Service Health and Azure Monitor
- 36 Hands-on: alerts, Log Analytics and Application Insights

Module 10 Exam Preparation

Timed practice, review and exam strategy.

- 37 AZ-900 exam format, question styles and time management
- 38 Full-length practice exam 1 and review
- 39 Skill-area review: weak areas from the practice exams
- 40 Full-length practice exam 2, final review and booking the exam

How you learn

- Live, interactive online sessions with an experienced trainer.
- Hands-on labs in the Azure portal.
- A short quiz after every module, drawn from the exam's skill areas.
- Two full-length practice exams on GeeksArray with an estimated score, plus guided review.

Who should enrol

- Students and fresh graduates starting a cloud career.
- Developers, testers, support and IT professionals moving to Azure.
- Sales, project and business roles that work with cloud teams.

Prerequisites

Basic computer and internet knowledge. No prior Azure experience is needed.

Course completion

Learners who complete the training and meet the assessment requirements receive a course completion certificate through GeeksArray. The certification exam itself is booked and paid for separately with the vendor.

Questions about batch dates, timings, fees or anything else?

Contact the course coordinator, **Kaumodini Kedar** · WhatsApp **+91 91726 23305**

Or see the course page on geeksarray.com.

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