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**	**8 labs, capstone, mock 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. Eight hands-on labs in your own free Azure subscription, short Try-it exercises in most sessions, and a take-home capstone project. 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 + hands-on lab
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 + hands-on lab
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 + hands-on lab
35 Azure Advisor, Service Health and Azure Monitor
36 Hands-on: alerts, Log Analytics and Application Insights; capstone project set

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 Capstone review and 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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