DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

# Microsoft Azure Advanced Training

Architect enterprise Azure estates with landing zones, multi-region resilience, Zero Trust security, FinOps and migration plans.

| | | |
|---|---|---|
| **LIVE ONLINE**<br>Max 8-10 hours | **CORPORATE (DAY-WISE)**<br>5 days · Days 1-5 | **SELF-PACED VIDEO**<br>1-year LMS access |
| **BATCH SIZE**<br>Max 10 learners | **NEXT BATCHES**<br>1st of every month · weekends: first Saturday | **CERTIFICATE**<br>Verifiable certificate of completion |

| Foundation | Essential | Intermediate | Advanced |
|---|---|---|---|
| 1 day · Included | 2 days · Included | 3 days · Included | 5 days · This curriculum |

## INSIDE THIS CURRICULUM


| | |
|---|---|
| What you will achieve | Outcomes and level focus |
| Who should attend | Audience and prerequisites |
| Agenda | 47 topics · Foundation to Advanced |
| Hands-on labs | 4 labs |
| Formats and fees | Live, 1:1, self-paced, corporate |
| Trainer and reviews | Rajesh Kumar |
| Enrolment | Batches, payment, contacts |


## WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

**Course page:** www.devopsschool.com/courses/azure/microsoft-azure-advance-training.html
**Talk to us:** WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

## What you will achieve

By the end of the Microsoft Azure course path, you will be able to:

1

### Deploy on Azure confidently

Create, deploy and manage Azure compute, storage, database and container services.

2

### Automate Azure delivery

Use Bicep, Terraform, pipelines and policy to deliver secure, repeatable Azure environments.

3

### Architect enterprise Azure

Design resilient, governed and cost-optimised Azure platforms and migrations.

WHAT THE ADVANCED LEVEL ADDS

### Landing zones, resilience, Zero Trust, cost and migration

**Hands-on:** Capstone: enterprise-ready Azure architecture. Deploy a landing zone, run a business app across two regions with Front Door and Cosmos DB, prove failover and present governance and cost controls.

WHO SHOULD ATTEND

- Experienced Microsoft Azure practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Microsoft Azure solutions.
- Teams making Microsoft Azure an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Run production workloads on AKS and PaaS with private networking, API Management, reusable IaC, policy guardrails and KQL-based monitoring.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

# Microsoft Azure Advanced Training agenda

47 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

## DAY 1 Foundation: Subscriptions, tools, identity basics and first resources

Included from Foundation

1. Azure building blocks: tenants, subscriptions, management groups, resource groups and resources
2. Regions and availability: region choice, availability zones, paired regions and service availability
3. Working tools: Azure portal, Cloud Shell, Azure CLI and Azure PowerShell, logging in and selecting a subscription
4. Azure Resource Manager: resource providers, ARM requests, locks and deployment history
5. Identity basics: Microsoft Entra ID users and groups, MFA and the built-in Owner, Contributor and Reader roles
6. Service map: compute, networking, storage, databases, containers, AI and management services at a glance
7. First virtual machine: image, size, disk, NSG rules, SSH or RDP and Bastion access
8. First web app: App Service plan, web app creation and deploying code from Git or a ZIP file
9. Storage first steps: storage account, blob container, upload and access with Storage Explorer
10. Cost basics: Pricing Calculator, Cost Management, budgets and alerts and tagging for cost owners
11. Clean-up discipline: deleting resource groups, auto-shutdown and avoiding orphaned resources

## DAY 2 Essential: Building and deploying cloud applications

Included from Essential

12. Azure App Service in depth: deployment slots, app settings, scaling rules and custom domains with TLS
13. Azure Functions: triggers and bindings, hosting plans including Flex Consumption and local development with Core Tools
14. Containers on Azure: Azure Container Registry builds and Azure Container Apps revisions and scale rules
15. Data services: Azure SQL Database and Azure Database for PostgreSQL flexible server, firewall rules and backups
16. Azure Cosmos DB: APIs, partition keys, consistency levels and request units
17. Blob and queue storage for apps: SDK access, SAS tokens, lifecycle rules and static website hosting
18. Messaging and events: Service Bus queues and topics, Event Grid and Event Hubs use cases
19. Secrets and identity for apps: Key Vault references and managed identities instead of connection strings
20. App configuration: Azure App Configuration and feature flags
21. Application Insights: auto-instrumentation, live metrics, failures and dependency tracking
22. CI/CD to Azure: GitHub Actions or Azure Pipelines with OIDC federated credentials
23. Bicep basics: resources, parameters, outputs and az deployment group create

## DAY 3 Intermediate: AKS, networking, automation, monitoring and security

Included from Intermediate

24. Azure Kubernetes Service: node pools, workload identity, ingress options, autoscaling and upgrades
25. Networking for applications: VNet integration, private endpoints, private DNS zones and NAT Gateway
26. Traffic management: Application Gateway with WAF, Azure Front Door and Traffic Manager compared
27. API Management: products, policies, rate limits, versioning and backend authentication
28. Reusable infrastructure as code: Bicep modules, Azure Verified Modules, deployment stacks and what-if
29. Terraform on Azure: azurerm provider, remote state in Storage, and plan and apply in pipelines
30. Azure DevOps: multi-stage YAML pipelines, environments, approvals and service connections

31. Azure Policy for delivery teams: allowed SKUs, required tags, deny public endpoints and remediation tasks
32. Microsoft Defender for Cloud: recommendations, workload protection plans and DevOps security posture
33. Azure Monitor and Log Analytics: KQL queries, workbooks, alert rules and action groups
34. Autoscale and performance: VM Scale Sets, App Service autoscale, KEDA on AKS and load testing
35. Troubleshooting: Network Watcher, Resource Health, activity log and deployment error analysis

**DAYS 4-5** **Advanced: Landing zones, resilience, Zero Trust, cost and migration** **New at this level**

36. Azure landing zones: Cloud Adoption Framework design areas, platform and application subscriptions, ALZ accelerators
37. Multi-region active-active: Front Door routing, Cosmos DB multi-region writes and zone-redundant services
38. Disaster recovery: Azure Site Recovery, backup vaults, cross-region restore and RTO and RPO testing
39. Zero Trust identity: Conditional Access, Privileged Identity Management, access reviews and workload identity federation
40. Network architecture: hub and spoke versus Virtual WAN, Azure Firewall Premium and DDoS Protection
41. Governance at scale: management group hierarchy, policy initiatives as code and regulatory compliance dashboards
42. FinOps on Azure: reservations, savings plans, Azure Hybrid Benefit, Advisor and cost allocation
43. Hybrid and multicloud: Azure Arc-enabled servers, Kubernetes and data services
44. AI workloads: Azure AI Foundry and Azure OpenAI integration with private networking and quotas
45. Migration: Azure Migrate discovery and assessment, server, database and web app migration waves
46. Well-Architected reviews: reliability, security, cost, operational excellence and performance trade-offs
47. Capstone: design and present a multi-region, governed Azure platform for a business application

PRACTICE

## Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION **First Azure resources from the CLI**
Create a resource group with a budget alert, deploy a Linux VM and an App Service web app from the Azure CLI, then tag, inspect and clean everything up.

ESSENTIAL **Deploy a cloud-native app pipeline**
Deploy an API to Container Apps and a Function that processes Service Bus messages, backed by Cosmos DB, with Key Vault secrets and a GitHub Actions pipeline.

INTERMEDIATE **Private AKS platform with guardrails**
Provision a private AKS cluster and API Management with Bicep modules, deploy an app through an Azure DevOps pipeline, enforce Azure Policy and alert with KQL.

ADVANCED **Capstone: enterprise-ready Azure architecture**
Deploy a landing zone, run a business app across two regions with Front Door and Cosmos DB, prove failover and present governance and cost controls.

HOW YOU CAN LEARN

## Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

| FORMAT | DURATION | WHAT YOU GET | FEE |
|---|---|---|---|
| **Live & interactive (online)** | Max 8-10 hours | Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month. | **INR 34,999** |
| **1:1 live training (online)** | Max 8-10 hours, one-to-one | The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace. | **INR 99,999** |
| **Self-paced video** | 1-year LMS access | All four Microsoft Azure levels, plus 20+ more courses and 50+ tools, at your own pace. | **INR 833/month** billed yearly at INR 9,996 |
| **Corporate (day-wise)** | 5 days for this level | A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). | **Quote on request** |

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

## Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

| | |
|---|---|
| **20** years in industry | **200+** corporate trainings |
| **10,000+** engineers mentored | **70+** organisations coached |

REVIEWS

## What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR MICROSOFT AZURE TRAINING

## Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/azure/

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