DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Azure Advanced Training

Automate delivery with Azure DevOps and Bicep, and design governed, resilient, cost-efficient Azure environments.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **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	48 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, 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/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 Azure course path, you will be able to:

1

Build core Azure solutions

Deploy and manage VMs, networks, storage, App Service, Functions and databases on Azure.

2

Secure and monitor workloads

Protect identities, secrets and data and monitor and automate operations with Azure Monitor.

3

Deliver with DevOps and governance

Automate releases with Azure DevOps and Bicep inside governed, resilient landing zones.

WHAT THE ADVANCED LEVEL ADDS

DevOps, infrastructure as code, governance and resilience

Hands-on: CI/CD into a governed landing zone. Build a hub-and-spoke landing zone with Bicep and Azure Policy and deploy a containerised app to it through Azure Pipelines.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Run Azure SQL and Cosmos DB, secure identities and secrets, and monitor and automate operations.
- 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

Azure Advanced Training agenda

48 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: Cloud concepts, Azure platform and first VM

Included from Foundation

1. Cloud concepts: IaaS, PaaS and SaaS, shared responsibility and public, private and hybrid cloud
2. Introduction to Azure Cloud: overview of Azure services by category
3. Azure account types and pricing: free account, pay-as-you-go, subscriptions and the pricing calculator
4. Global infrastructure: regions, region pairs, availability zones and availability sets
5. Resource organisation: management groups, subscriptions, resource groups and tags
6. Azure Resource Manager: deployments, resource providers and resource locks
7. Management tools: Azure portal, Cloud Shell, Azure CLI and Azure PowerShell
8. Azure Virtual Machines: VM sizes, images, disks and availability options
9. Creation and management of VMs: create, connect with RDP or SSH, resize, start, stop and deallocate
10. Cost basics: Cost Management budgets, auto-shutdown and avoiding surprise charges

DAY 2 — Essential: VM networking, scale sets, storage, App Service, Functions

Included from Essential

11. Configuring networking for VMs: NICs, public and private IPs, DNS and Azure Bastion
12. Virtual Machine Scale Sets: uniform and flexible orchestration, autoscale rules and upgrades
13. Azure Storage: overview of storage options, redundancy LRS, ZRS, GRS and access tiers
14. Creating and managing storage accounts: access keys, SAS tokens and Storage Explorer
15. Azure Blob storage and Azure File storage: containers, lifecycle management, file shares and SMB mounts
16. Azure Networking: virtual networks, subnets, address planning and VNet peering
17. Network security groups: inbound and outbound rules, priorities and application security groups
18. Azure Load Balancer: public and internal load balancers, health probes and rules
19. Azure Application Gateway: layer 7 routing, TLS termination and Web Application Firewall
20. Azure App Service: Web Apps, plans, deployment slots and custom domains
21. Mobile Apps and API Apps: back ends and APIs now unified in App Service, with authentication
22. Logic Apps: workflow automation with connectors, triggers and actions
23. Azure Functions: overview of serverless computing, creating and deploying functions, triggers and bindings

DAY 3 — Intermediate: Databases, identity, security and monitoring

Included from Intermediate

24. Azure SQL Database: creating and managing SQL databases, service tiers, firewall rules and geo-replication
25. Azure SQL Managed Instance and SQL Database elastic pools: when to use each and sizing
26. Azure Cosmos DB: overview of NoSQL databases, creating and managing Cosmos DB accounts
27. Cosmos DB APIs and data modeling: NoSQL, MongoDB, Cassandra, Gremlin and Table APIs, partition keys and RUs
28. Azure identity: Azure Active Directory, now Microsoft Entra ID, users, groups and app registrations
29. Hybrid identity: Azure AD Connect, now Microsoft Entra Connect, sync and password hash sync
30. Role-based access control: built-in and custom roles, scopes and managed identities

31. Azure Security Center, now Microsoft Defender for Cloud: secure score and recommendations
32. Azure Key Vault: secrets, keys, certificates and access with RBAC
33. Azure Information Protection, now Microsoft Purview Information Protection: sensitivity labels
34. Azure Monitor: metrics, alerts, action groups and Application Insights
35. Azure Log Analytics: workspaces, diagnostic settings and KQL queries
36. Azure Automation: runbooks, schedules and State Configuration, and Azure Update Manager

DAYS 4-5 **Advanced: DevOps, infrastructure as code, governance and resilience** **New at this level**

37. Azure DevOps: continuous integration and deployment (CI/CD) concepts and project setup
38. Azure Pipelines: YAML pipelines, stages, environments, approvals and service connections
39. Azure Boards: work items, backlogs, sprints and linking work to commits and pipelines
40. Infrastructure as code: Bicep files, modules, what-if and deployment stacks
41. Containers: Azure Container Registry, Azure Kubernetes Service and Azure Container Apps
42. Governance: Azure Policy, initiatives, management group hierarchy and Azure landing zones
43. Network architecture: hub-and-spoke, Azure Firewall, Private Endpoints and VPN or ExpressRoute
44. High availability and DR: zone-redundant services, Azure Backup and Azure Site Recovery
45. Security hardening: Conditional Access, Privileged Identity Management and Defender plans
46. Cost optimisation: reservations, savings plans, Azure Hybrid Benefit and Advisor recommendations
47. Migration: Azure Migrate assessments and moving servers and databases
48. Capstone: governed landing zone with an app deployed through Azure Pipelines and Bicep

PRACTICE

Hands-on labs

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

FOUNDATION **Create and manage your first VM**
Create a resource group and a Linux VM with the portal and Azure CLI, connect over SSH, resize it and set a budget alert.

ESSENTIAL **Load-balanced web tier with serverless**
Deploy a scale set behind an Application Gateway, host a web app with slots and add an Azure Function triggered by Blob uploads.

INTERMEDIATE **Secure, monitored data tier**
Deploy Azure SQL and Cosmos DB with managed identities and Key Vault, then build KQL-based alerts and an automation runbook.

ADVANCED **CI/CD into a governed landing zone**
Build a hub-and-spoke landing zone with Bicep and Azure Policy and deploy a containerised app to it through Azure Pipelines.

HOW YOU CAN LEARN

Formats and fees

The same agenda in three 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**
Self-paced video	1-year LMS access	All four 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). 1:1 training is also available on demand.	**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 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. Corporate and 1:1 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/

ENROL OR RESERVE A SEAT
Azure Advanced Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com