DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Cloud Advanced Training

Architect secure, highly available and cost-efficient cloud systems using Well-Architected practices and large-scale design patterns.

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	43 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/cloud/cloud-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 Cloud course path, you will be able to:

1

Explain cloud fundamentals

Describe cloud models, roles, benefits, risks, SLAs and cost formulas with confidence.

2

Build on cloud services

Create networks, compute, storage, identity and databases on AWS with Azure and Google equivalents.

3

Architect for production

Design automated, secure, highly available and cost-optimized cloud architectures.

WHAT THE ADVANCED LEVEL ADDS

Architecture, high availability and governance

Hands-on: Multi-region architecture capstone. Design and deploy a decoupled web application across two regions with failover, guardrails and a cost optimization report.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Automate provisioning with infrastructure as code, apply cloud security and compliance controls, and manage SLAs and costs.
- 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

Cloud Advanced Training agenda

43 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, service and deployment models

Included from Foundation

1. Cloud computing terminology and concepts: on-demand, elasticity, resiliency, availability and measured usage
2. Virtualization and containerization essentials: hypervisors, virtual machines and containers
3. Cloud service models: IaaS, PaaS and SaaS delivery models with examples
4. Cloud deployment models: public, private, hybrid and community clouds, plus multicloud
5. Cloud roles: resource administrator, service owner, service and service consumer
6. Cloud trade-offs: benefits, challenges and risks of contemporary cloud platforms and services
7. Provider overview: AWS, Azure and Google Cloud regions, availability zones and global services
8. Getting started: free-tier accounts, console, CLI and billing alerts
9. Compute basics: Amazon EC2 instance types, performance implications and launching a VM
10. Cloud by role: system administrators, developers, IT consultants and CTOs or CIOs

DAY 2 — Essential: Networking, storage, identity and core services

Included from Essential

11. Networking: Amazon VPC foundations, subnets, route tables, internet and NAT gateways
12. Network security: security groups, network ACLs and VPN connections
13. Object storage: Amazon S3 properties, securing buckets and static website hosting
14. Block storage: Amazon EBS volumes, snapshot backup and replication, speed and IOPS
15. Identity: IAM concepts and a walkthrough of users, groups, roles, policies and MFA
16. Databases: Amazon RDS and Amazon DynamoDB
17. Load balancing: Elastic Load Balancing concepts and implementation
18. DNS and content delivery: Route 53 capabilities and configuration, and CloudFront
19. Monitoring: Amazon CloudWatch metrics, alarms and logs
20. Auto Scaling: scaling groups and scaling policies
21. Cloud computing and storage across providers: Azure VNet and Blob, Google VPC and Cloud Storage, Entra ID and IAM

DAY 3 — Intermediate: Automation, security, SLAs and cost

Included from Intermediate

22. Cloud automation, provisioning and management: Terraform and AWS CloudFormation
23. Containers in the cloud: Amazon ECS, EKS, Azure AKS and Google GKE overview
24. Serverless: AWS Lambda, API Gateway and event-driven design
25. Security processes: shared responsibility model, AWS Config, Inspector and Directory Service
26. Security requirements and policies: privacy, compliance, data security at rest and in transit, transparency
27. Service Level Agreements: SLAs for cloud IT resources and formulas to rate quality of service
28. Cost: business cost metrics and formulas comparing cloud and on-premises, tagging and budgets
29. Best-practice checks: AWS Trusted Advisor recommendations
30. Operations for sysadmins: migration, hybrid environments, provisioning, uptime and disaster recovery

31. Developer concerns: performance, security, availability, deployment and the ecosystem
32. Troubleshooting: connectivity, permissions and service quotas

DAYS 4-5 **Advanced: Architecture, high availability and governance** — **New at this level**

33. Architecting for the cloud on AWS: Well-Architected pillars and AWS best practices
34. AWS computing and storage best practices: choosing services for performance and cost
35. High availability: designing VPCs for high availability, multi-AZ and multi-region architectures
36. Automating and decoupling infrastructure: queues, events and microservices
37. Large-scale design patterns: case studies of web, data and event-driven systems
38. Containers at scale: Amazon ECS with Docker and Kubernetes services
39. Multicloud and hybrid strategy: landing zones, AWS Organizations and Azure management groups
40. FinOps: rightsizing, Savings Plans and reservations, spot capacity and showback
41. Cloud security posture: CSPM, guardrails with SCPs and centralized logging
42. Hosting a new web application on AWS: end-to-end design review
43. Capstone: highly available, cost-optimized application across two regions

PRACTICE

Hands-on labs

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

FOUNDATION

Launch and secure a first VM

Create a cloud account with a billing alert, launch a Linux VM with an SSH key and restrict access with a firewall rule.

ESSENTIAL

Build a two-tier web application

Create a VPC with public and private subnets, run a web tier behind a load balancer with Auto Scaling and a managed database.

INTERMEDIATE

Provision infrastructure as code

Rebuild the two-tier application with Terraform, add Config rules and budgets, and calculate its SLA and monthly cost.

ADVANCED

Multi-region architecture capstone

Design and deploy a decoupled web application across two regions with failover, guardrails and a cost optimization report.

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 Cloud 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 CLOUD 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/cloud/

ENROL OR RESERVE A SEAT
Cloud Advanced Training

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