DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

AWS Foundation Services Advanced Training

Design multi-account, multi-Region AWS environments with DR, hybrid connectivity, governance and cost control.

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	46 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/aws/aws-foundation-services-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 AWS Foundation Services course path, you will be able to:

1

Build core AWS architectures

Combine EC2, VPC, S3, RDS, load balancing and Auto Scaling into reliable web architectures.

2

Automate and operate AWS

Use infrastructure as code, serverless services and operations tooling to run workloads repeatably.

3

Govern resilient environments

Design multi-account, multi-Region platforms with DR, security and cost controls.

WHAT THE ADVANCED LEVEL ADDS

Multi-account, resilience, hybrid and governance

Hands-on: Multi-Region DR architecture. Build a Control Tower landing zone, deploy an app in two Regions with replicated data and run a documented failover drill.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Automate AWS with infrastructure as code, add serverless and messaging services, and operate workloads securely.
- 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

AWS Foundation Services Advanced Training agenda

46 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, account setup and first resources

Included from Foundation

1. Cloud computing concepts: IaaS, PaaS and SaaS, elasticity, pay-as-you-go and the shared responsibility model
2. AWS global infrastructure: Regions, Availability Zones, Local Zones and edge locations
3. Account setup: root user protection, MFA, billing alarms and AWS Budgets
4. Access tools: AWS Management Console, CloudShell, AWS CLI v2 configuration and profiles
5. IAM basics: users, groups, roles and managed policies for everyday access
6. Core service categories: compute, storage, networking, databases and management at a glance
7. First EC2 instance: AMI choice, instance type, key pair, security group and SSH or Session Manager
8. First S3 bucket: buckets, objects, keys, upload and download, and Block Public Access
9. Pricing fundamentals: Free Tier, on-demand pricing, Pricing Calculator and Cost Explorer
10. AWS Well-Architected Framework: the six pillars as a design checklist

DAY 2 — Essential: Compute, storage, networking and databases

Included from Essential

11. EC2 in depth: instance families, AMIs, user data bootstrapping, instance metadata and Elastic IPs
12. Block and file storage: EBS volume types, snapshots and EFS shared file systems
13. S3 in depth: storage classes, versioning, lifecycle rules, bucket policies and static website hosting
14. VPC fundamentals: CIDR planning, public and private subnets, route tables and internet gateways
15. Private connectivity: NAT gateways, security groups versus network ACLs and VPC endpoints
16. Relational databases: Amazon RDS engines, Multi-AZ, read replicas and automated backups
17. NoSQL databases: DynamoDB tables, partition and sort keys, capacity modes and TTL
18. Elastic Load Balancing: Application and Network Load Balancers, target groups and health checks
19. EC2 Auto Scaling: launch configurations via launch definitions, scaling policies and instance refresh
20. Amazon Route 53: hosted zones, record types and simple, weighted, latency and failover routing
21. IAM roles for services: instance profiles and least-privilege policies for applications
22. Amazon CloudWatch basics: metrics, alarms, dashboards and the CloudWatch agent

DAY 3 — Intermediate: Automation, serverless, messaging and operations

Included from Intermediate

23. Infrastructure as code: AWS CloudFormation stacks, parameters, outputs and change sets
24. AWS CDK: defining infrastructure in TypeScript or Python and cdk deploy
25. Serverless compute: AWS Lambda functions, triggers, layers, versions and aliases
26. API Gateway: REST and HTTP APIs, Lambda integration, stages and throttling
27. Messaging and events: SQS queues, SNS topics and EventBridge rules for decoupled systems
28. Containers on AWS: ECR registries and ECS on Fargate services and tasks
29. Content delivery: CloudFront distributions, origins, caching behaviours and TLS with ACM
30. Operations with Systems Manager: Session Manager, Run Command, Patch Manager and Parameter Store

31. Audit and compliance: CloudTrail trails and AWS Config rules
32. Encryption: AWS KMS keys, SSE-KMS for S3 and EBS and Secrets Manager rotation
33. Backup and recovery: AWS Backup plans, snapshot policies and cross-Region copies
34. Troubleshooting: CloudWatch Logs Insights, VPC Reachability Analyzer and common access-denied causes

DAYS 4-5 **Advanced: Multi-account, resilience, hybrid and governance** — New at this level

35. Multi-account strategy: AWS Organizations, organizational units and service control policies
36. Landing zones: AWS Control Tower, controls and Account Factory
37. High availability and DR: RTO and RPO, backup and restore, pilot light, warm standby and multi-site
38. Multi-Region architecture: Route 53 health checks, S3 replication, Aurora Global Database and DynamoDB global tables
39. Hybrid networking: Site-to-Site VPN, Direct Connect and Transit Gateway hub-and-spoke
40. Performance at scale: Aurora, ElastiCache, Global Accelerator and Auto Scaling tuning
41. Security operations: GuardDuty, Security Hub, Inspector and centralised logging
42. Governance: tagging policies, AWS Config conformance packs and IAM Access Analyzer
43. Cost optimisation: Savings Plans, Reserved Instances, Spot, rightsizing and Compute Optimizer
44. Migration: the 7 Rs, AWS Application Migration Service and Database Migration Service
45. Well-Architected reviews: using the Well-Architected Tool to find and track risks
46. Capstone: multi-account, multi-Region resilient platform with DR drill

PRACTICE

Hands-on labs

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

FOUNDATION **Launch your first AWS workload**
Secure a new account with MFA and budgets, then launch an EC2 web server and host its static assets in S3.

ESSENTIAL **Highly available web application**
Build a VPC with public and private subnets, run a web tier on Auto Scaling behind an ALB with RDS Multi-AZ and Route 53 DNS.

INTERMEDIATE **Infrastructure as code serverless app**
Deploy an API Gateway and Lambda app with SQS and DynamoDB using CloudFormation or CDK, then add CloudFront and alarms.

ADVANCED **Multi-Region DR architecture**
Build a Control Tower landing zone, deploy an app in two Regions with replicated data and run a documented failover drill.

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 AWS Foundation Services 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

> “Very well organized training, helped a lot to understand the AWS concept and detailed related to various tools. Very helpful”
>
> Sumit Kulkarni, Software Engineer

START YOUR AWS FOUNDATION SERVICES 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/aws/

ENROL OR RESERVE A SEAT
AWS Foundation Services Advanced Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com