DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

AWS Services Advanced Training

Design scalable, secure and cost-efficient AWS architectures, add AI services and plan migrations and governance.

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	44 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/aws/aws-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 Services course path, you will be able to:

1

Choose the right AWS services

Compare AWS compute, storage, database, integration and AI services and pick the best fit for each workload.

2

Build and automate on AWS

Deploy server-based, container and serverless applications with infrastructure as code and CI/CD.

3

Architect for scale and governance

Design resilient, secure and cost-efficient multi-account AWS platforms.

WHAT THE ADVANCED LEVEL ADDS

Architecture patterns, AI services, migration and governance

Hands-on: Design an end-to-end AWS platform. Design and partially build a multi-account platform with a serverless API, data lake and Bedrock-powered feature, then review it.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Build serverless and container workloads, integrate services with events and automate delivery with AWS developer tools.
- 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 Services Advanced Training agenda

44 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: AWS platform, service catalogue and tooling

Included from Foundation

1. What AWS offers: the service catalogue by category and how to choose a service
2. Global infrastructure: Regions, Availability Zones, edge locations and service availability by Region
3. Shared responsibility model: what AWS secures and what customers secure
4. Account and access setup: root MFA, IAM users and roles and IAM Identity Center sign-in
5. Working with AWS: Management Console, CloudShell, AWS CLI v2 and SDKs
6. Compute overview: EC2, Lambda, ECS, EKS, Elastic Beanstalk and Lightsail compared
7. Storage overview: S3, EBS, EFS, FSx and S3 Glacier compared
8. Database overview: RDS, Aurora, DynamoDB, ElastiCache and Redshift compared
9. Billing basics: Free Tier, Pricing Calculator, Budgets and Cost Explorer
10. First workload: a static website on S3 with a simple EC2 back end

DAY 2 — Essential: Core compute, storage, network and database services

Included from Essential

11. Amazon EC2: instance types, AMIs, key pairs, user data, EBS volumes and snapshots
12. Amazon VPC: subnets, route tables, internet and NAT gateways and security groups
13. Amazon S3: storage classes, versioning, lifecycle, encryption and pre-signed URLs
14. Amazon RDS and Aurora: engines, Multi-AZ, read replicas and parameter groups
15. Amazon DynamoDB: keys, indexes, on-demand capacity and DynamoDB Streams
16. Load balancing: Application Load Balancer listeners, rules and target groups
17. EC2 Auto Scaling: launch definitions, target tracking and scheduled scaling
18. Amazon Route 53: domains, hosted zones, routing policies and health checks
19. Amazon CloudWatch: metrics, alarms, logs and dashboards
20. AWS Elastic Beanstalk: deploying an application with managed environments
21. Amazon EFS: shared file storage for Linux workloads

DAY 3 — Intermediate: Serverless, containers, integration, DevOps and analytics

Included from Intermediate

22. AWS Lambda: functions, event sources, concurrency, layers and environment variables
23. Amazon API Gateway: HTTP and REST APIs, authorisers and usage plans
24. Integration services: SQS, SNS, EventBridge and Step Functions workflows
25. Containers: ECR, ECS with Fargate and Amazon EKS basics
26. Developer tools: CodeBuild, CodeDeploy and CodePipeline for CI/CD
27. Infrastructure as code: CloudFormation stacks and AWS CDK apps
28. Content delivery: CloudFront with S3 and ALB origins
29. Analytics: Athena queries on S3, AWS Glue Data Catalog and crawlers
30. Streaming: Kinesis Data Streams and Amazon Data Firehose

31. Security services in practice: KMS, Secrets Manager, WAF and GuardDuty
32. Operations: Systems Manager, CloudTrail, AWS Config and X-Ray tracing

DAYS 4-5 **Advanced: Architecture patterns, AI services, migration and governance** **New at this level**

33. Architecture patterns: microservices, event-driven, serverless and data lake reference designs
34. Resilience: multi-AZ and multi-Region designs, DR strategies and chaos testing with AWS FIS
35. Hybrid and network scale: Transit Gateway, Direct Connect, PrivateLink and VPN
36. Machine learning services: Amazon SageMaker AI for training and deployment
37. Generative AI: Amazon Bedrock foundation models, knowledge bases and guardrails
38. Data platforms: Redshift, Lake Formation and EMR for analytics at scale
39. Multi-account governance: Organizations, Control Tower and service control policies
40. Cost optimisation: Savings Plans, Spot, Graviton instances and rightsizing
41. Migration: the 7 Rs, Migration Hub, Application Migration Service and DMS
42. Observability at scale: CloudWatch cross-account observability and managed Prometheus and Grafana
43. Well-Architected reviews: identifying and remediating high-risk issues
44. Capstone: end-to-end AWS platform design combining compute, data and AI services

PRACTICE

Hands-on labs

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

FOUNDATION **Tour the AWS service catalogue**
Configure CLI access, host a static site on S3, launch a small EC2 back end and set a budget alert.

ESSENTIAL **Deploy a scalable three-tier app**
Run a web app on Auto Scaling EC2 behind an ALB with RDS, S3 assets, Route 53 DNS and CloudWatch alarms.

INTERMEDIATE **Serverless order pipeline**
Build an API Gateway and Lambda order service with Step Functions, SQS and DynamoDB, deployed through CodePipeline.

ADVANCED **Design an end-to-end AWS platform**
Design and partially build a multi-account platform with a serverless API, data lake and Bedrock-powered feature, then review it.

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 AWS 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). 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

> “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 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. 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/aws/

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AWS Services Advanced Training

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