DevOpsSchool

Course curriculum · November 2026

LEVEL 02 OF 04 · ESSENTIAL

AWS Foundation Services Essential

Use AWS foundation services hands-on: secure access with IAM, run EC2 with EBS, store data in S3 and EFS, and connect RDS, ELB and VPC.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **2 days · Days 1-2**	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 · This curriculum	3 days · Next step	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	25 topics · Foundation to Essential
Hands-on labs	2 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-essentials-course.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

Use core AWS services

Deploy and connect IAM, EC2, EBS, S3, EFS, RDS, ELB and VPC resources with confidence.

2

Automate and secure workloads

Scale, monitor, encrypt and audit AWS workloads with infrastructure as code.

3

Design resilient AWS platforms

Plan multi-account, highly available and cost-efficient architectures and migrations.

WHAT THE ESSENTIAL LEVEL ADDS

IAM, compute, storage, databases, load balancing, VPC

Hands-on: Two-tier web app on AWS. Build a custom VPC with public and private subnets, run two EC2 web servers behind an ALB with shared EFS content, and connect them to an RDS MySQL database.

WHO SHOULD ATTEND

- Learners who know the basics of AWS Services and want to use it confidently every day.
- Professionals taking over AWS Services work on a live project.
- Teams agreeing on a common way of working with AWS Services.

BEFORE YOU START

- The Foundation level, or equivalent hands-on experience.
- You can already: Explain core cloud terms and the AWS global infrastructure, set up a protected Free Tier account and use the console, CloudShell and CLI.
- 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 ESSENTIAL

AWS Foundation Services Essential agenda

25 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 terminology, AWS infrastructure and account setup

Included from Foundation

1. Fundamental cloud computing terminology: on-demand, elasticity, scalability, high availability, fault tolerance, CapEx versus OpEx
2. Service and deployment models: IaaS, PaaS and SaaS, public, private and hybrid cloud
3. Introduction of AWS: service categories for compute, storage, database, networking, security and management
4. Understanding AWS infrastructure: Regions, Availability Zones, Local Zones, edge locations and choosing a Region
5. Understanding the AWS Free Tier: always-free, 12-month and trial offers, credits and avoiding surprise charges
6. Shared responsibility model: what AWS secures and what the customer secures for each service type
7. Account setup: creating an account, protecting the root user with MFA and creating an admin identity
8. Billing guardrails: AWS Budgets, billing alarms, Cost Explorer and the Pricing Calculator
9. AWS Management Console: navigation, Region selector, resource search and favourites
10. AWS CloudShell and AWS CLI v2: installation, aws configure, named profiles and first describe commands
11. AWS Well-Architected Framework: the six pillars as a checklist for every design decision

DAY 2 — Essential: IAM, compute, storage, databases, load balancing, VPC

New at this level

12. IAM concepts: users, groups, roles, managed and inline policies, MFA and least privilege
13. IAM walkthrough, demo and lab: creating users and groups, attaching policies, roles for EC2 and the policy simulator
14. EC2 concepts: AMIs, instance types and families, key pairs, security groups, user data and pricing options
15. EC2 walkthrough, demo and lab: launching, connecting with SSH or Session Manager, stopping, resizing and terminating
16. EBS concepts: gp3, io2, st1 and sc1 volume types, IOPS and throughput, snapshots and encryption
17. EBS walkthrough, demo and lab: creating, attaching, formatting and mounting a volume, snapshot and restore
18. S3 concepts: buckets, objects, keys, storage classes, versioning, Block Public Access and bucket policies
19. S3 walkthrough, demo and lab: upload and download, versioning, lifecycle rules and static website hosting
20. EFS concepts, walkthrough, demo and lab: shared NFS file systems, mount targets, performance modes, mounting on two instances
21. RDS MySQL concepts: DB instances, parameter and option groups, automated backups, Multi-AZ and read replicas
22. RDS MySQL walkthrough, demo and lab: launching an instance, connecting from EC2, snapshots and point-in-time restore
23. Elastic Load Balancer concepts: Application, Network and Gateway Load Balancers, listeners, target groups, health checks
24. Elastic Load Balancer implementation, demo and lab: putting an ALB in front of two web servers across AZs
25. VPC concepts and components, demo and lab: CIDR, subnets, route tables, internet and NAT gateways, security groups and NACLs

PRACTICE

Hands-on labs

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

FOUNDATION

Set up a safe AWS account

Create and secure an AWS account with root MFA, an admin identity, a monthly budget alert and a configured CLI profile, then explore Regions and AZs from the CLI.

ESSENTIAL

Two-tier web app on AWS

Build a custom VPC with public and private subnets, run two EC2 web servers behind an ALB with shared EFS content, and connect them to an RDS MySQL database.

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 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)	2 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 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 Essential

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Next step after this level: AWS Foundation Services Intermediate Training - Automate and scale foundation services with Auto Scaling, CloudFormation and Systems Manager, and secure them with KMS, CloudTrail and IAM roles.