

AWS CloudOps Engineer – Associate

Course syllabus · Live online · Associate

Deploy, operate, monitor and troubleshoot workloads on AWS, and prepare for the CloudOps Engineer – Associate certification.

Live training	54 hours in total
Weekday batch	6 weeks · Monday to Friday, 2 hours per day (10 hours a week)
Weekend batch	7 weeks · Saturday and Sunday, 4 hours each day (8 hours a week)
Self-practice	about 36 hours in total (labs, assignments, revision)
Total effort	about 90 hours including self-practice
Mode	Live instructor-led online sessions · session recordings after each class · small batches
Trainer	Ameya Vaidya
Batch start	Shared by our counselor
Batch timings	Weekday / weekend options, shared by our counselor
Course fee	Shared by our counselor (varies with current offers)

Who is this for?

System administrators, support and operations engineers and cloud beginners targeting operations roles.

Prerequisites

Basic Linux and networking knowledge; cloud fundamentals.

What you will learn

- Deploy and provision AWS resources with automation
- Monitor and log workloads with CloudWatch and CloudTrail
- Design for reliability, backup and recovery
- Secure and govern AWS accounts
- Troubleshoot networking and performance issues
- Control and optimize cloud cost

Tools and technologies

EC2 · CloudWatch · CloudTrail · Systems Manager · CloudFormation · AWS Config · Backup · VPC

Detailed syllabus

#	Module	Hours	Topics	Hands-on
1	Operations Foundations	4	• Shared responsibility for operations • IAM, CLI and CloudShell • Operational excellence pillar	CLI-driven operations
2	Compute and Scaling	6	• EC2 lifecycle, AMIs, placement • Auto Scaling and load balancing • Patching with Systems Manager	Auto-scaled fleet with patching

#	Module	Hours	Topics	Hands-on
3	Monitoring, Logging and Remediation	8	• CloudWatch metrics, logs, dashboards, alarms • EventBridge and automated remediation • CloudTrail and AWS Config	Alarm that triggers auto-remediation
4	Storage and Data Management	5	• S3 operations and lifecycle • EBS snapshots and EFS • Data transfer and migration	Snapshot and restore
5	Networking and Content Delivery	7	• VPC design and troubleshooting • Route 53 routing policies • CloudFront and hybrid connectivity	Diagnose connectivity issues
6	Reliability and Business Continuity	5	• Backup with AWS Backup • Multi-AZ and multi-Region strategies • Disaster recovery testing	Backup and restore drill
7	Deployment, Provisioning and Automation	7	• CloudFormation stacks and drift • Systems Manager automation • Infrastructure as code practices	Provision an environment with CloudFormation
8	Security and Compliance	5	• IAM policies and permission boundaries • KMS, Secrets Manager • Security Hub, GuardDuty, Inspector	Harden an account
9	Cost and Performance Optimization	3	• Cost Explorer, Budgets, tagging • Right-sizing and Compute Optimizer	Cost review
10	Exam Preparation	4	• Exam format and strategy • Domain revision • Mock exam with review	Mock exam
	Total live hours	54		

Projects

- Monitoring and auto-remediation setup
- Backup and disaster-recovery runbook

Assessment

Lab checkpoints, quizzes and a mock exam.

Certification

Prepares you for the AWS Certified CloudOps Engineer – Associate exam.

What is included

- Live instructor-led online sessions
- Hands-on labs and assignments
- Session recordings after each class
- Doubt-solving support
- Course completion certificate
- Small interactive batches
- Unpaid internship opportunities

Our promise: we do not offer guaranteed-placement claims. We focus on building genuine skills so you are capable of clearing interviews and doing the job. Unpaid internship opportunities are available for practical exposure. Fees and batch dates vary with current offers, so please confirm them with our counselor. This syllabus is indicative and may be updated to reflect industry changes.

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