

AWS Certified Cloud Practitioner (CLF-C02) Certification Prep

Prepare for the AWS Certified Cloud Practitioner (CLF-C02) exam with live, trainer-led sessions, hands-on AWS labs, a quiz after every module and full-length practice exams.

DURATION	SESSIONS	TRAINING HOURS
8 weeks	40 live sessions	About 44 hours
MODE	LEVEL	INCLUDES
Live online, instructor-led	Beginner	Labs, quizzes, practice exams

What you will learn

- **Cloud concepts:** the benefits of the cloud, the AWS global infrastructure, the Well-Architected Framework and the Cloud Adoption Framework.
- **Security and compliance:** the shared responsibility model, IAM, security services and compliance tools.
- **Cloud technology and services:** compute, storage, databases, networking, analytics, AI/ML and integration services.
- **Billing, pricing and support:** pricing models, cost management tools and AWS Support plans.

Curriculum

Ten modules of four sessions each, from fundamentals to full-length practice exams. Each module ends with a short quiz.

Module 1 Cloud Concepts and the AWS Global Infrastructure

What the cloud is, its benefits, and how AWS Regions, Availability Zones and edge locations fit together.

- 1 What cloud computing is: IaaS, PaaS, SaaS and deployment models
- 2 Benefits of the AWS Cloud: agility, elasticity, economies of scale
- 3 AWS global infrastructure: Regions, Availability Zones, edge locations, Local Zones
- 4 Hands-on: creating an AWS account safely and touring the console, CLI and CloudShell

Module 2 Well-Architected, Cloud Adoption and Migration

Designing well on AWS, and how organisations plan and carry out a move to the cloud.

- 5 The AWS Well-Architected Framework and its six pillars
- 6 The AWS Cloud Adoption Framework: perspectives and transformation
- 7 Migration strategies (the 7 Rs) and migration services: MGN, DMS, Snow Family, DataSync
- 8 Cloud economics: CapEx vs OpEx, rightsizing, licensing and total cost of ownership

Module 3 Shared Responsibility and Identity (IAM)

Who secures what, and controlling access with IAM.

- 9 The shared responsibility model across EC2, RDS, Lambda and S3
- 10 IAM users, groups, roles and policies; least privilege
- 11 Protecting the root user, MFA, access keys and IAM Identity Center
- 12 Hands-on: building a least-privilege setup with groups and roles

Module 4 Security Services and Compliance

Protecting workloads and proving compliance.

- 13 Network security: security groups, network ACLs, AWS WAF, Shield and Firewall Manager
- 14 Threat detection and findings: GuardDuty, Inspector, Macie, Detective and Security Hub
- 15 Encryption and secrets: KMS, CloudHSM, Secrets Manager and Certificate Manager
- 16 Logging and compliance: CloudTrail, Config, Artifact, Audit Manager, Organizations and Control Tower

Module 5 Compute on AWS

Running applications on AWS, from virtual servers to serverless.

- 17 Amazon EC2: instance families, AMIs, storage options and purchasing models
- 18 Scaling and load balancing: EC2 Auto Scaling and Elastic Load Balancing
- 19 Containers and serverless: ECS, EKS, Fargate, Lambda, Elastic Beanstalk and Lightsail
- 20 Hands-on: launching a load-balanced, auto-scaled web application

Module 6 Storage and Databases

Choosing the right storage and database service.

- 21 Amazon S3: storage classes, lifecycle rules, versioning and static websites
- 22 Block and file storage: EBS, instance store, EFS, FSx, Storage Gateway and AWS Backup
- 23 Databases: RDS, Aurora, DynamoDB, ElastiCache, Redshift and purpose-built databases
- 24 Hands-on: S3 lifecycle and a managed database with Multi-AZ

Module 7 Networking and Content Delivery

Connecting resources and delivering content to users worldwide.

- 25 Amazon VPC: subnets, route tables, internet and NAT gateways
- 26 Connecting networks: VPN, Direct Connect, VPC peering, Transit Gateway and PrivateLink
- 27 Route 53, CloudFront, Global Accelerator and API Gateway
- 28 Hands-on: building a VPC with public and private subnets

Module 8 Analytics, AI/ML, Integration and Operations

The wider AWS service catalogue you are expected to recognise.

- 29** Analytics: Athena, Glue, EMR, Kinesis, QuickSight and OpenSearch
- 30** AI and machine learning: SageMaker, Bedrock, Rekognition, Comprehend, Lex, Polly and more
- 31** Application integration: SQS, SNS, EventBridge and Step Functions; developer tools
- 32** Operations: CloudWatch, X-Ray, Systems Manager, CloudFormation and infrastructure as code

Module 9 Billing, Pricing and Support

How AWS charges, how to control costs, and where to get help.

- 33** Pricing models: On-Demand, Reserved Instances, Savings Plans, Spot and Dedicated Hosts
- 34** Cost tools: Pricing Calculator, Cost Explorer, Budgets, Cost and Usage Report and tags
- 35** Consolidated billing and AWS Organizations; Trusted Advisor and Compute Optimizer
- 36** Support plans, re:Post, Marketplace, the Partner Network and other resources

Module 10 Exam Preparation

Timed practice, review and exam strategy.

- 37** CLF-C02 exam format, question styles and time management
- 38** Full-length practice exam 1 and review
- 39** Domain review: weak areas from the practice exams
- 40** Full-length practice exam 2, final review and booking the exam

How you learn

- Live, interactive online sessions with an experienced trainer.
- Hands-on labs in the AWS console.
- A short quiz after every module, drawn from the exam's four domains.
- Two full-length practice exams on GeeksArray with an estimated score, plus guided review.

Who should enrol

- Students and fresh graduates starting a cloud career.
- Developers, testers, support and IT professionals moving to AWS.
- Sales, project and business roles that work with cloud teams.

Prerequisites

Basic computer and internet knowledge. No prior AWS experience is needed.

Course completion

Learners who complete the training and meet the assessment requirements receive a course completion certificate through GeeksArray. The certification exam itself is booked and paid for separately with the vendor.

Questions about batch dates, timings, fees or anything else?

Contact the course coordinator, Kaumodini Kedar · WhatsApp +91 91726 23305

Or see the course page on geeksarray.com.

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