

AWS Certified Cloud Practitioner

Level: Foundational

Duration: 24–30 Hours

Course Overview:

The **AWS Certified Cloud Practitioner** course provides a foundational understanding of AWS Cloud concepts, services, security, architecture, pricing, and support. It's designed for individuals with no prior technical experience who want to build basic cloud literacy.

Course Objectives:

- Understand AWS Cloud and global infrastructure
 - Learn core AWS services and use cases
 - Understand pricing, billing, and account management
 - Explore basic cloud security and compliance
 - Prepare for the **CLF-C02** certification exam
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Course Outline:

Module 1: Introduction to Cloud Computing and AWS

- What is Cloud Computing?
 - Benefits and Types of Cloud Models
 - AWS Global Infrastructure Overview
 - AWS Management Console and CLI Basics
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Module 2: Core AWS Services

- Compute: EC2, Lambda, Elastic Beanstalk
- Storage: S3, EBS, Glacier, EFS
- Networking: VPC, Route 53, CloudFront
- Databases: RDS, DynamoDB, Redshift

Module 3: Security and Compliance

- AWS Shared Responsibility Model
- Introduction to IAM (Users, Groups, Roles, Policies)
- AWS Security Tools: KMS, CloudTrail, GuardDuty
- Compliance Programs and Trust Center

Module 4: AWS Billing, Pricing, and Support

- AWS Pricing Models: On-Demand, Reserved, Spot
- AWS Cost Calculator and Billing Dashboard
- Budgets and Cost Explorer
- Support Plans and Trusted Advisor

Module 5: Cloud Architecture and Design Principles

- Well-Architected Framework (Overview)
- Design for High Availability and Elasticity
- Scalability and Global Reach
- Serverless Architecture Concepts

Module 6: Innovation and Technology on AWS

- AI/ML Services: Amazon Rekognition, Comprehend (Intro)
- IoT and Edge Services Overview
- AWS Marketplace and Partner Network
- Case Studies and Customer Use Cases

Module 7: Exam Preparation

- Exam Overview and Blueprint (CLF-C02)
 - Sample Questions by Domain
 - Test-taking Strategies and Practice Tests
 - Final Q&A and Certification Tips
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Target Audience:

- Beginners to cloud and AWS
 - Business professionals, sales, finance, or management roles
 - IT newcomers preparing for AWS certification
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Prerequisites:

- No technical background required
- Internet literacy and basic computer skills