

Pass Your AWS Certified Cloud Practitioner Exam (CLF-C02)

AWS CLF-C02 Cloud Practitioner. Cloud concepts, AWS services, pricing, and exam practice.

IT Certifications Instructor: Brian Taylor • 5 sections • 46 lessons • 14.00h total

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About this course

This course prepares you for the AWS Certified Cloud Practitioner (CLF-C02) exam. We cover cloud concepts, AWS services, security, architecture, pricing, and billing. Video lessons, practice exams, and study guides included.

Course curriculum

Foundations: Understanding the AWS Exam and Cloud Basics

- **Demystifying the AWS Certified Cloud Practitioner (CLF-C02) Exam (12m)**
We'll break down the exam structure, question types, and scoring so you know exactly what to expect on test day.
- **The AWS Global Infrastructure: Regions, Availability Zones, and Edge Locations (18m)**
Learn how AWS's physical infrastructure is laid out and why it matters for performance and reliability, with a real-world case study.
- **Core AWS Services You Must Know: EC2, S3, and VPC (25m)**
A step-by-step guide to the most fundamental services. We'll explain what they do and how they fit into the bigger picture.
- **The AWS Shared Responsibility Model Explained Simply (10m)**
We'll clear up the confusion around who is responsible for what in the cloud, a critical concept for the exam and real-world work.
- **Navigating the AWS Management Console: A Quick Tour (8m)**
Get comfortable finding your way around the console. We'll show you the key areas you'll use for both the exam and your first projects.
- **Introduction to Cloud Economics: The Value of AWS (15m)**
Understand the business value of moving to the cloud, including CapEx vs. OpEx and the benefits of AWS's pay-as-you-go model.
- **Setting Up Your Free AWS Account for Hands-On Practice (9m)**
A practical walkthrough of creating your AWS account so you can follow along with the labs and get real hands-on experience.

Core Concepts: Security, Identity, and Compliance

- **AWS Identity and Access Management (IAM) (28m)**
A deep dive into IAM. We'll show you how to create users, groups, and policies to secure your AWS environment.
- **The Principle of Least Privilege: Your First Line of Defense (14m)**
Learn why this security concept is critical and how to apply it using IAM policies, with downloadable templates for common roles.
- **Securing Your Data with AWS Key Management Service (KMS) (16m)**
We'll explain encryption at rest and in transit, and show you how KMS helps you manage your encryption keys securely.
- **Understanding AWS CloudTrail and CloudWatch for Security (22m)**
Learn how to monitor your AWS environment. We'll cover logging, event history, and setting up basic alarms for security events.
- **Compliance Made Easy: AWS Artifact and Compliance Programs (11m)**
A straightforward guide to understanding compliance in the cloud and how AWS helps you meet your regulatory requirements.

- **Network Security: Security Groups and Network ACLs (19m)**
We'll demystify the difference between these two firewall types and show you how to use them to control traffic.
- **Problem-Solving Session: Common Security Scenarios and Solutions (32m)**
Let's tackle some real-world security problems you might face. This session will test your knowledge and sharpen your skills.
- **Reviewing Key Security Concepts with CLF-C02 Practice Dumps (24m)**
We'll walk through a set of practice questions focused on security and compliance, explaining the reasoning behind each correct answer.
- **Best Practices for Securing Your First AWS Account (13m)**
A practical checklist of steps every new AWS user should take to lock down their root account and set up a secure foundation.

Deep Dive: Technology and Billing

- **AWS Compute Services: Beyond EC2 (Lambda, ECS, LightSail) (26m)**
Explore the different compute options AWS offers. We'll explain when to use each one and their key benefits.
- **AWS Storage Options: S3, EBS, and EFS Explained (21m)**
A clear comparison of AWS storage services. You'll learn which service to choose for files, backups, and massive datasets.
- **Databases on AWS: RDS vs. DynamoDB vs. Aurora (23m)**
We'll break down the most popular database services, focusing on relational vs. non-relational and when to use each.
- **The AWS Well-Architected Framework: The 6 Pillars (17m)**
Understand the framework AWS uses to design excellent architectures. We'll summarize each pillar in simple, practical terms.
- **Decoding Your AWS Bill: Pricing Models and Cost Drivers (29m)**
A detailed look at how AWS billing works, including On-Demand, Reserved Instances, and Savings Plans. Includes a downloadable cost calculator.
- **Using the AWS Pricing Calculator and Budgets (15m)**
A hands-on guide to estimating costs and setting up budgets to avoid surprise bills. A must-watch for anyone managing AWS spend.
- **AWS Support Plans: Basic, Developer, Business, and Enterprise (12m)**
We'll compare the different support plans, helping you understand what you get at each level and which one is right for you.
- **Real Case Study: Building a Cost-Effective Web Application (35m)**
Let's design a simple web app and choose the right services, focusing on balancing performance, security, and cost.

Advanced Application: Deployment, Migration, and Operations

- **Automating Deployments: CloudFormation and the AWS CLI (27m)**
Learn the basics of infrastructure as code and command-line tools. We'll show you how to automate repetitive tasks.

- **CI/CD on AWS: A Primer on CodeCommit, CodeBuild, and CodeDeploy (20m)**
A high-level overview of AWS developer tools. Understand how modern teams automate their software release process.
- **Monitoring Your Applications: Deep Dive into Amazon CloudWatch (25m)**
Go beyond basic alarms. We'll show you how to use CloudWatch metrics, logs, and dashboards to monitor application health.
- **The AWS Trusted Advisor: Your Proactive Optimization Guide (9m)**
Discover this powerful tool that gives you real-time guidance to follow AWS best practices across cost, security, and performance.
- **Migration Strategies: The 6 R's of Application Migration (18m)**
A concise breakdown of the different ways to move workloads to the cloud, a key topic for business transformation.
- **Using AWS Marketplace for Quick Solutions (7m)**
Learn how to find and deploy pre-built software and solutions from third-party vendors directly within AWS.
- **High Availability and Fault Tolerance: Designing for Failure (22m)**
We'll discuss strategies like multi-AZ deployments and load balancing to make sure your applications stay online.
- **Problem-Solving Session: Troubleshooting Common AWS Issues (31m)**
A practical session where we diagnose and fix common problems with connectivity, permissions, and service limits.
- **Introduction to Serverless: How Lambda Changes the Game (19m)**
Get a clear understanding of the serverless mindset and why it's a core part of modern cloud development.
- **Reviewing Technology and Ops Concepts with Practice Dumps (26m)**
We'll tackle another set of practice questions, this time focused on deployment, monitoring, and migration, with detailed explanations.

Implementation & Next Steps: Your Path to Exam Day

- **Creating Your Personalized CLF-C02 Study Plan (11m)**
We'll help you build a realistic study schedule that fits your life, ensuring you cover all topics before your exam date.
- **Full-Length Mock Exam Strategy: How to Simulate Test Conditions (14m)**
Learn how to use full mock exams effectively to build stamina, identify weak spots, and manage your time under pressure.
- **Deconstructing Complex Exam Questions: A Step-by-Step Framework (20m)**
Our proven method for breaking down tricky questions, eliminating wrong answers, and choosing the best solution.
- **The Final 48 Hours: Your Pre-Exam Checklist (8m)**
A calm-down plan for the last two days. What to review, what to avoid, and how to get a good night's sleep before the test.

- **Managing Exam Day Anxiety and Time (10m)**
Practical tips for staying calm and focused during the exam, plus strategies for pacing yourself to answer every question.
- **Understanding Exam Scoring and What-If Scenarios (7m)**
A quick look at how the exam is scored and what happens if you don't pass on your first try, including the retake policy.
- **What's Next After the Cloud Practitioner Certification? (15m)**
You've passed! Now what? We'll map out potential next steps, from the Solutions Architect Associate to the Security Specialty.
- **Real Case Study: How a Colleague Passed on Their First Try (16m)**
An inspiring story from a past student detailing their journey, study habits, and the key lessons they learned.
- **Final Review: Top 50 Must-Know Facts for CLF-C02 (30m)**
A rapid-fire review of the most critical concepts, services, and definitions you need to have memorized for the exam.
- **Final Practice Exam and Walkthrough (38m)**
A comprehensive final test. We'll go through every question, explaining the 'why' behind the correct answers to solidify your knowledge.
- **Bonus: Downloadable Cheat Sheets and Summary Notes (5m)**
Access our collection of printable cheat sheets covering IAM, S3, EC2, pricing, and security to use for your last-minute review.
- **Congratulations and Your Cloud Journey Begins! (6m)**
A final word from your instructor on maintaining your knowledge, staying current with AWS, and continuing your professional growth.

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