

# AWS Certified Cloud Practitioner (Exam CLF-C02), Videos & Skill Labs Set

## Course Specifications

Course Number: ACI77-017VL\_rev1.0

Video and Lab Length: Approximately 30 hours, 18 minutes

## Course Introduction

The AWS (Amazon Web Services) Cloud Practitioner certification serves as the ideal starting point for technical and non-technical professionals to build expertise in the AWS cloud. This course provides a foundational introduction to AWS's most popular cloud services, including EC2, Lambda, S3, EBS, VPC, and RDS. You'll learn the core concepts of cloud computing and see how billing and pricing strategies can save companies money on their IT infrastructure. The course also explores cloud security and compliance solutions, covering every objective and service listed on the Cloud Practitioner exam objectives Course Learning Objectives: 1) Explain foundational cloud concepts. 2) Use popular AWS services, including EC2, Lambda, S3, EBS, and VPC. 3) Apply fundamental security best practices in AWS. 4) Use pricing models and information resources to manage cloud costs.

## Video Enhanced Learning

(18h 18m \* 8 Modules \* 49 Episodes)

We've enhanced select lab sets with targeted video content to strengthen student readiness and improve lab success. With focused video learning, students get reinforcement of core concepts before they enter the lab, giving them the confidence and context needed to apply skills effectively. Support diverse learning styles, improve lab readiness, and drive stronger outcomes across today's most in-demand skills.

## Video Topics

1. Course Introduction
2. What Is the Cloud?
3. Well-Architected Framework Pt. 1
4. Well-Architected Framework Pt. 2
5. Cloud Economics
6. Cloud Native Design
7. Migration Strategies
8. Accessing Your AWS Resources

## Course Outline

9. Cloud Deployment Models
10. Connecting to the Cloud
11. AWS Infrastructure
12. Edge Computing
13. Popular Database Services
14. VMs in the Cloud
15. Containers in the Cloud
16. Serverless Compute
17. Scaling Compute
18. Popular Compute Services
19. Relational Databases
20. Other Database Types
21. Popular Networking Services
22. Networking in VPCs
23. VPC Security
24. Edge Services
25. Popular Storage Services
26. Object Storage
27. Block Store and File Systems
28. Backups and Lifecycles
29. Analytics Services
30. AI & ML Services
31. Application Integration Services
32. Business and Engagement Services
33. Developer Tools
34. Frontend, Mobile, and IoT Services
35. Automation and IaC
36. Shared Responsibility Model
37. Cloud Compliance Concerns
38. Security Services
39. Data Security
40. Monitoring and Logging Services
41. AWS IAM (Identity and Access Management)
42. Security Documentation

- 43. Cloud Access Control
- 44. Organizations
- 45. Cost Monitoring
- 46. AWS Information Resources
- 47. AWS Support Services

## Skill Labs

(12h \* 12 Labs)

A **skills lab** is a guided, hands-on learning environment that allows students to practice real-world tasks in a safe, virtual setting. Instead of simply reading or watching videos, learners actively do the work—navigating realistic scenarios, applying concepts, troubleshooting issues, and building confidence through practical experience. This ensures that theory becomes usable skill. Skill labs are essential for developing true workplace readiness because they mirror real systems, tools, and challenges, helping learners bridge the gap between knowledge and performance. By completing a skills lab, students gain the hands-on competence employers expect and are better prepared for both assessments and real job responsibilities.

## Skill Labs Topics

1. Introduction to AWS Cloud (CLF-C02)
2. Identifying AWS Services (CLF-C02)
3. AWS Monitoring and Logging Services (CLF-C02)
4. AWS Identity and Access Management (CLF-C02)
5. AWS Security Services (CLF-C02)
6. AWS Deployment Models (CLF-C02)
7. AWS Global Infrastructure (CLF-C02)
8. AWS Computing Services (CLF-C02)
9. AWS Database Services (CLF-C02)
10. AWS Networking Services (CLF-C02)
11. AWS Storage Services (CLF-C02)
12. AWS Billing and Support Services (CLF-C02)