

AWS Certified Cloud Practitioner

Master the fundamentals of the AWS Cloud and step into the world's leading cloud platform with a globally recognized foundational credential.

Duration: 2 months

Prepares for: AWS Certified Cloud Practitioner (CLF-C02)

Format: Online or onsite, 1-on-1 or batch

Target exam: CLF-C02

NUEXUS certificate on completion

OVERVIEW

This course builds a solid, practical understanding of Amazon Web Services from the ground up, covering how the cloud works, core AWS services, security and compliance, pricing, and account management. It is fully aligned to the AWS Certified Cloud Practitioner (CLF-C02) exam and mixes clear explanations with hands-on practice in the AWS Console so concepts stick. Delivered mentor-led by certified trainers over about two months, it is ideal for anyone who needs cloud literacy for a technical or business role. On finishing you receive a NUEXUS completion certificate and leave ready to sit the official AWS exam.

SKILLS YOU WILL GAIN

Cloud Concepts

AWS Global Infrastructure

Core AWS Services

EC2 & S3 Basics

IAM Fundamentals

Shared Responsibility Model

AWS Pricing & Billing

Well-Architected Framework

Cloud Security Basics

WHAT YOU WILL BE ABLE TO DO

- Explain what cloud computing is, the AWS global infrastructure of Regions and Availability Zones, and the core benefits of the cloud
- Identify and describe core AWS services across compute, storage, databases, and networking and choose the right service for a given need
- Apply the AWS Shared Responsibility Model and use core security, identity, and compliance services to protect an account
- Navigate the AWS Management Console to launch and manage basic resources such as EC2 instances, S3 buckets, and IAM users
- Understand AWS pricing models, use cost management and billing tools, and describe how to estimate and control cloud spend
- Prepare confidently for the AWS Certified Cloud Practitioner (CLF-C02) exam using the real exam domains and practice questions

WHO IT IS FOR

- Students and fresh graduates who want a recognized entry point into cloud careers
- IT support, help desk, and system administrators moving toward cloud roles
- Sales, project managers, finance, and other non-technical staff who work alongside cloud teams and need to speak the language
- Developers and analysts who want a structured foundation before pursuing associate-level AWS certifications
- Business owners and decision-makers evaluating whether and how to adopt AWS

PREREQUISITES

- None required, this course is genuinely beginner friendly
- Basic computer literacy and comfort using a web browser
- General familiarity with IT concepts such as servers, storage, and networking is helpful but not essential
- A laptop and internet connection to follow along with hands-on labs in the AWS Console

WHAT'S INCLUDED

- Mentor-led live sessions, online or onsite, in batch or 1-on-1
- Hands-on labs and real-world projects, not slides alone
- Recordings of your own sessions to revisit anytime
- Exam-aligned study material and practice questions
- Doubt-clearing and revision support through the program
- A verifiable NUEXUS completion certificate
- Career and next-step guidance after you finish

COURSE CURRICULUM

1 Cloud Concepts and the Value of AWS

- What cloud computing is and the six benefits of cloud
- On-demand, self-service, elasticity, and pay-as-you-go models
- Cloud economics: fixed versus variable cost and total cost of ownership
- The AWS Cloud Adoption Framework (CAF) at a high level
- Cloud deployment models: cloud, hybrid, and on-premises

2 AWS Global Infrastructure

- Regions, Availability Zones, and Edge Locations
- How to choose a Region: latency, compliance, cost, and service availability
- High availability and fault tolerance through multiple AZs
- Content delivery and edge networking with Amazon CloudFront
- AWS Local Zones, Wavelength, and Outposts at an awareness level

3 Security and the Shared Responsibility Model

- The AWS Shared Responsibility Model: security of the cloud versus in the cloud
- AWS Identity and Access Management (IAM): users, groups, roles, and policies
- Root user protection, MFA, and IAM best practices
- Encryption basics and AWS Key Management Service (KMS)
- Security services overview: Shield, WAF, GuardDuty, Inspector, and Macie

4 Compliance and Governance

- AWS compliance programs and where to find them in AWS Artifact
- Shared responsibility for compliance and data residency considerations
- Governance and auditing with AWS CloudTrail and AWS Config
- Monitoring with Amazon CloudWatch
- AWS Organizations, service control policies, and consolidated governance

5 Core Compute Services

- Amazon EC2 instances, instance types, and use cases
- EC2 purchasing options: On-Demand, Reserved, Spot, and Savings Plans
- Serverless compute with AWS Lambda
- Containers on AWS: ECS, EKS, and Fargate at a conceptual level
- Scaling with Auto Scaling and Elastic Load Balancing

6 Storage and Database Services

Amazon S3 object storage, storage classes, and durability

Block and file storage: Amazon EBS and Amazon EFS

Relational databases with Amazon RDS and Amazon Aurora

NoSQL with Amazon DynamoDB

Data warehousing, migration, and backup options overview

7 Networking and Content Delivery

Amazon VPC, subnets, and basic network isolation

Security groups and network access control lists

Connecting to AWS: internet gateways, VPN, and Direct Connect

Amazon Route 53 for DNS and routing

Global content delivery recap with CloudFront

8 Pricing, Billing, and Cost Management

AWS pricing fundamentals: pay-as-you-go and paying less by using more

The AWS Pricing Calculator and estimating workloads

AWS Free Tier and what it covers

Billing tools: Cost Explorer, Budgets, and Cost and Usage Reports

Consolidated billing with AWS Organizations

9 AWS Support, Tools, and Well-Architected

AWS Support plans: Basic, Developer, Business, and Enterprise

AWS Trusted Advisor and the Well-Architected Framework pillars

Ways to access AWS: Console, CLI, and SDKs

AWS Marketplace and professional services overview

Documentation, knowledge centers, and where to get help

10 Exam Readiness and CLF-C02 Practice

Walkthrough of the four CLF-C02 exam domains and their weightings

Question styles, timing, and exam-taking strategy

Full-length practice tests with detailed answer reviews

Identifying and closing weak areas before the exam

Guidance on registering for and scheduling the official AWS exam

CAREER OUTCOMES

Cloud Practitioner

Cloud Support Associate

Junior Cloud Engineer

Sales / Pre-Sales for Cloud

IT Support moving to Cloud

CERTIFICATION PATH

NUEXUS training certificate

Issued by NUEXUS on course completion. Verifiable at nuexus.com/verify.

AWS Certified Cloud Practitioner (CLF-C02)

Earned by passing the official exam. Issued and verified by the certification body itself, not by NUEXUS.

Exam	CLF-C02
Questions	65 questions (50 scored plus 15 unscored)
Format	Multiple choice and multiple response
Duration	90 minutes
Passing score	700 on a scaled score of 100 to 1000
Delivery	Pearson VUE, at a test center or online proctored

The AWS exam fee is paid separately to AWS and quoted per engagement. The certification is valid for three years. Even when NUEXUS arranges your exam voucher, the resulting certification is issued and verified by the certification body directly.