Document Generated: 11/14/2026

Learning Style: Online Instructor-Led

Technology: Amazon Web Services

Difficulty: Beginner

Course Duration: 1 Day

AWS Cloud Practitioner Essentials



About This Course:

This course prepares learners for the AWS Certified Cloud Practitioner exam, Amazon Web Services' foundational certification. It's designed for anyone who needs a clear understanding of the AWS Cloud, whether they work in a technical role or alongside technical teams.

Course Objectives:

- Cloud Concepts: the benefits of cloud computing, AWS's global infrastructure, and cloud design principles
- Security and Compliance: the AWS shared responsibility model, identity and access management, and security and compliance tools
- Cloud Technology and Services: core AWS compute, storage, database, and networking services and how they're deployed
- Billing, Pricing, and Support: AWS pricing models, cost management tools, and support plans

Audience:

- Beginners starting a career in cloud computing
- Professionals in non-technical roles such as sales, marketing, project management, finance, and business analysis who work with AWS
- IT professionals new to AWS who want a structured starting point
- Managers and decision-makers evaluating or overseeing AWS adoption
- Learners planning to pursue associate-level AWS certifications such as Solutions Architect or CloudOps Engineer

Prerequsites:

- None. The course suits beginners, including those from non-technical backgrounds. Up to six months of exposure to the AWS Cloud is helpful but not required.

Course Outline:

1 - Introduction to Amazon Web Services

- Summarize the benefits of AWS
- Describe differences between on-demand delivery and cloud deployments
- Summarize the pay-as-you-go pricing model

2 - Compute in the Cloud

- Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level
- Identify the different Amazon EC2 instance types
- Differentiate between the various billing options for Amazon EC2

- Describe the benefits of Amazon EC2 Auto Scaling
- Summarize the benefits of Elastic Load Balancing
- Give an example of the uses for Elastic Load Balancing
- Summarize the differences between Amazon Simple Notification Service (Amazon SNS) and Amazon Simple Queue Services (Amazon SQS)
- Summarize additional AWS compute options

3 - Global Infrastructure and Reliability

- Summarize the benefits of the AWS Global Infrastructure
- Describe the basic concept of Availability Zones
- Describe the benefits of Amazon CloudFront and Edge locations
- Compare different methods for provisioning AWS services

4 - Networking

- Describe the basic concepts of networking
- Describe the difference between public and private networking resources
- Explain a virtual private gateway using a real life scenario
- Explain a virtual private network (VPN) using a real life scenario
- Describe the benefit of AWS Direct Connect
- Describe the benefit of hybrid deployments
- Describe the layers of security used in an IT strategy
- Describe which services are used to interact with the AWS global network

5 - Storage and Databases

- Summarize the basic concept of storage and databases
- Describe benefits of Amazon Elastic Block Store (Amazon EBS)
- Describe benefits of Amazon Simple Storage Service (Amazon S3)
- Describe the benefits of Amazon Elastic File System (Amazon EFS)
- Summarize various storage solutions
- Describe the benefits of Amazon Relational Database Service (Amazon RDS)
- Describe the benefits of Amazon DynamoDB
- Summarize various database services

6 - Security

- Explain the benefits of the shared responsibility model
- Describe multi-factor authentication (MFA)
- Differentiate between the AWS Identity and Access Management (IAM) security levels
- Describe security policies at a basic level
- Explain the benefits of AWS Organizations
- Summarize the benefits of compliance with AWS
- Explain primary AWS security services at a basic level

7 - Monitoring and Analytics

- Summarize approaches to monitoring your AWS environment
- Describe the benefits of Amazon CloudWatch
- Describe the benefits of AWS CloudTrail
- Describe the benefits of AWS Trusted Advisor

8 - Pricing and Support

- Understand AWS pricing and support models
- Describe the AWS Free Tier
- Describe key benefits of AWS Organizations and consolidated billing
- Explain the benefits of AWS Budgets
- Explain the benefits of AWS Cost Explorer
- Explain the primary benefits of the AWS Pricing Calculator
- Distinguish between the various AWS Support Plans
- Describe the benefits of AWS Marketplace

9 - Migration and Innovation

- Understand migration and innovation in the AWS Cloud
- Summarize the AWS Cloud Adoption Framework (AWS CAF)
- Summarize six key factors of a cloud migration strategy
- Describe the benefits of various AWS data migration solutions, such as AWS Snowcone, AWS Snowball, and AWS Snowmobile
- Summarize the broad scope of innovative solutions that AWS offers
- Summarize the five pillars of the AWS Well-Architected Framework

10 - AWS Certified Cloud Practitioner Basics

- Determine resources for preparing for the AWS Certified Cloud Practitioner examination
- Describe benefits of becoming AWS Certified