



## AWS Cloud Practitioner Essentials

- 1 Days
- Lecture and Hands-on Labs

### Course Overview

This course is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles. You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge. This course also helps you prepare for the AWS Certified Cloud Practitioner exam.

Review this course online at <https://www.alta3.com/courses/aws-cpe>

### Who Should Attend

- Sales professionals
- Legal advisors
- Marketing teams
- Business analysts
- Project managers
- AWS Academy students
- IT-related professionals

### What You'll Learn

- Summarize AWS operational definitions and cloud concepts.
- Differentiate between on-premises, hybrid-cloud, and all-in cloud infrastructures.
- Describe core AWS global infrastructure and services.
- Explain financial benefits and cost management strategies with AWS.

### Outline

#### Module 1: Introduction to Amazon Web Services

1. Summarize the benefits of AWS
2. Describe differences between on-demand delivery and cloud deployments
3. Summarize the pay-as-you-go pricing model ##### Module 2: Compute in the Cloud
4. Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level
5. Identify the different Amazon EC2 instance types
6. Differentiate between the various billing options for Amazon EC2
7. Describe the benefits of Amazon EC2 Auto Scaling
8. Summarize the benefits of Elastic Load Balancing
9. Give an example of the uses for Elastic Load Balancing
10. Summarize the differences between Amazon Simple Notification Service (Amazon SNS) and Amazon Simple Queue Services (Amazon SQS)
11. Summarize additional AWS compute options ##### Module 3: Global Infrastructure and Reliability
12. Summarize the benefits of the AWS Global Infrastructure
13. Describe the basic concept of Availability Zones

14. Describe the benefits of Amazon CloudFront and Edge locations
15. Compare different methods for provisioning AWS services ##### Module 4: Networking
16. Describe the basic concepts of networking
17. Describe the difference between public and private networking resources
18. Explain a virtual private gateway using a real life scenario
19. Explain a virtual private network (VPN) using a real life scenario
20. Describe the benefit of AWS Direct Connect
21. Describe the benefit of hybrid deployments
22. Describe the layers of security used in an IT strategy
23. Describe which services are used to interact with the AWS global network ##### Module 5: Storage and Databases
24. Summarize the basic concept of storage and databases
25. Describe benefits of Amazon Elastic Block Store (Amazon EBS)
26. Describe benefits of Amazon Simple Storage Service (Amazon S3)
27. Describe the benefits of Amazon Elastic File System (Amazon EFS)
28. Summarize various storage solutions
29. Describe the benefits of Amazon Relational Database Service (Amazon RDS)
30. Describe the benefits of Amazon DynamoDB
31. Summarize various database services ##### Module 6: Security
32. Explain the benefits of the shared responsibility model
33. Describe multi-factor authentication (MFA)
34. Differentiate between the AWS Identity and Access Management (IAM) security levels
35. Describe security policies at a basic level
36. Explain the benefits of AWS Organizations
37. Summarize the benefits of compliance with AWS
38. Explain primary AWS security services at a basic level ##### Module 7: Monitoring and Analytics
39. Summarize approaches to monitoring your AWS environment
40. Describe the benefits of Amazon CloudWatch
41. Describe the benefits of AWS CloudTrail
42. Describe the benefits of AWS Trusted Advisor ##### Module 8: Pricing and Support
43. Understand AWS pricing and support models
44. Describe the AWS Free Tier
45. Describe key benefits of AWS Organizations and consolidated billing
46. Explain the benefits of AWS Budgets
47. Explain the benefits of AWS Cost Explorer
48. Explain the primary benefits of the AWS Pricing Calculator
49. Distinguish between the various AWS Support Plans
50. Describe the benefits of AWS Marketplace ##### Module 9: Migration and Innovation
51. Understand migration and innovation in the AWS Cloud
52. Summarize the AWS Cloud Adoption Framework (AWS CAF)
53. Summarize six key factors of a cloud migration strategy
54. Describe the benefits of various AWS data migration solutions, such as AWS Snowcone, AWS Snowball, and AWS Snowmobile
55. Summarize the broad scope of innovative solutions that AWS offers
56. Summarize the five pillars of the AWS Well-Architected Framework ##### Module 10: AWS Certified Cloud Practitioner Basics
57. Determine resources for preparing for the AWS Certified Cloud Practitioner examination
58. Describe benefits of becoming AWS Certified

## Prerequisites

- General IT business knowledge
- General IT technical knowledge

31b734544 2025-06-23