

# AWS Cloud Practitioner Essentials

AWS Classroom Training

## Course description

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.

- Course level: Fundamental
- Duration: 1 day

## Activities

This course includes presentations, demonstrations, and assessments.

## Course objectives

In this course, you will learn to:

- Summarize the working definition of AWS.
- Differentiate between on-premises, hybrid-cloud, and all-in cloud.
- Describe the basic global infrastructure of the AWS Cloud.
- Explain the six benefits of the AWS Cloud.
- Describe and provide an example of the core AWS services, including compute, network, databases, and storage.
- Identify an appropriate solution by using AWS Cloud services with various use cases.
- Describe the AWS Well-Architected Framework.
- Explain the shared responsibility model.
- Describe the core security services within the AWS Cloud.
- Describe the basics of AWS Cloud migration.
- Articulate the financial benefits of the AWS Cloud for an organization's cost management.
- Define the core billing, account management, and pricing models.
- Explain how to use pricing tools to make cost-effective choices for AWS services.

## Intended audience

This course is intended for:

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

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## Prerequisites

We recommend that attendees of this course have:

- General IT business knowledge
- General IT technical knowledge

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## Course outline

### Module 1: Introduction to Amazon Web Services

- Cloud computing deployment models
- Benefits of cloud computing
- Knowledge check

### Module 2: Compute in the Cloud

- Amazon Elastic Compute Cloud (Amazon EC2)
- Amazon EC2 instance types
- Amazon EC2 pricing
- Amazon EC2 Auto Scaling
- Elastic Load Balancing
- Serverless compute services
- AWS container services
- Knowledge check

### Module 3: Global Infrastructure and Reliability

- Demonstration: Explore the AWS Global Infrastructure
- AWS Global Infrastructure
- Get closer to your customers
- AWS Outposts
- Interact with AWS services
- Demonstration: AWS Management Console
- Knowledge check

### Module 4: Networking

- Amazon Virtual Private Cloud (Amazon VPC)
- Network access control lists and security groups
- Interact with the AWS global network
- Knowledge check

### Module 5: Storage and Databases

- AWS storage
- AWS databases
- Additional database services
- Knowledge check

### Module 6: Security

- Shared responsibility model
- AWS Identity and Access Management (IAM)
- AWS Organizations
- Compliance
- Application security
- Additional security services
- Knowledge check

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## Module 7: Monitoring and Analytics

- Amazon CloudWatch
- AWS CloudTrail
- AWS Trusted Advisor
- Knowledge check

## Module 8: Pricing and Support

- AWS pricing
- Demonstration: Explore AWS billing tools
- Consolidated billing
- AWS pricing tools
- AWS Support plans
- AWS Marketplace
- Knowledge check

## Module 9: Migration and Innovation

- AWS Cloud Adoption Framework
- Migration strategies
- AWS Snowball
- Innovation with AWS
- AWS Well-Architected Framework
- Knowledge check

## Module 10: AWS Certified Cloud Practitioner Basics

- Exam details
- Exam strategies
- Continue your learning
- Register for your exam