

AWS Cloud Practitioner Essentials

Overview

Are you new to the AWS Cloud and looking to jump-start your cloud journey? Do you want to prepare for the AWS Certified Cloud Practitioner exam but don't know where to start?

Dedicate a day toward building your AWS Cloud skills and confidence to advance your career with our one-day classroom course, AWS Cloud Practitioner Essentials.

Whether you're in a technical or non-technical role, this expert-led AWS course helps you gain an overall understanding of the AWS Cloud and prepare for the **AWS Certified Cloud Practitioner** exam.

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 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

Duration

1 Day

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Who Should Attend

This course is intended for:

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

Prerequisites

We recommend that attendees of this course have:

- General IT business knowledge
- General IT technical knowledge

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Course Topics

Module 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
Module 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
Module 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
Module 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

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Module 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
Module 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
Module 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
Module 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

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Module 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
Module 10	AWS Certified Cloud Practitioner Basics • Determine resources for preparing for the AWS Certified Cloud Practitioner examination • Describe benefits of becoming AWS Certified