

[AWS-CPE]: AWS Cloud Practitioner Essentials

Length : 1 day
Delivery Method : Instructor-led (Classroom)

Course Overview

As the cloud computing industry continues to grow, understanding its concepts, purpose, and use cases will become an increasingly valuable skill among non-IT individuals and employees. With that in mind, AWS created an exam that covers the very basics of their cloud computing platform and tests you on basic AWS services, benefits, concepts, and use cases — all without having to know detailed technical terms, concepts, and know-how.

For those who want to learn these basics, this course has been designed with two main objectives in mind:

- (1) prepare you to pass the AWS Certified Cloud Practitioner exam, and
- (2) learn the foundations of cloud computing and AWS, including its primary services, benefits, and use cases.

This course mix of conceptual understanding and hands on training with AWS Infrastructure Labs are included for hands-on practice and learning reinforcement. This course is suitable for anyone looking for an introduction to AWS from a hands-on/cloud engineering perspective and also want to prepare for the AWS Cloud Practitioner Exam.

Course Objectives

- Define what the AWS Cloud is and the basic global infrastructure
- Describe the key services on the AWS platform and their common use cases
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- Describe basic AWS Cloud architectural principles
- Describe basic security and compliance aspects of the AWS platform and the shared security model
- Define the billing, account management, and pricing models
- Identify sources of documentation or technical assistance (e.g., whitepapers, support tickets)
- Describe the AWS Cloud value proposition
- Describe basic/core characteristics of deploying and operating in the AWS Cloud

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Theory Section

- Introduction To AWS and its Basic Infrastructure.
- Introduction to Billing, Account Management and Pricing Models.
- Introduction to AWS Key Services like EC2(Cloud Computing), S3 and EBS (Storage Services) and VPC (Network Services).
- Introduction to Security Model, Compliance of the AWS Platform with reference to share Security. IAM (Identity & Access Management) and its deployment for secure authentication and authorization.
- Introduction to Technical Sources like Official Documentation and getting assistance.
- Introduction to AWS Cloud Value proposition and Cost Optimization with AWS Trusted Advisor.

Lab Section

- Creating AWS account, choosing suitable EC2 instance to meet customize technical requirements and basic management of EC2 Instance (Start, Stop, Termination) after EC2 deployment.
- Creating Users, Groups and Roles in AWS IAM and assign different permissions on the available resources which suits their Job Role.
- Creating 1st Amazon VPC (Virtual Private Cloud) for secure and scalable Network Services between AWS resources and to external world.

In the end of the session, sample questions for AWS Cloud Practitioner exams will be shared and explained.

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