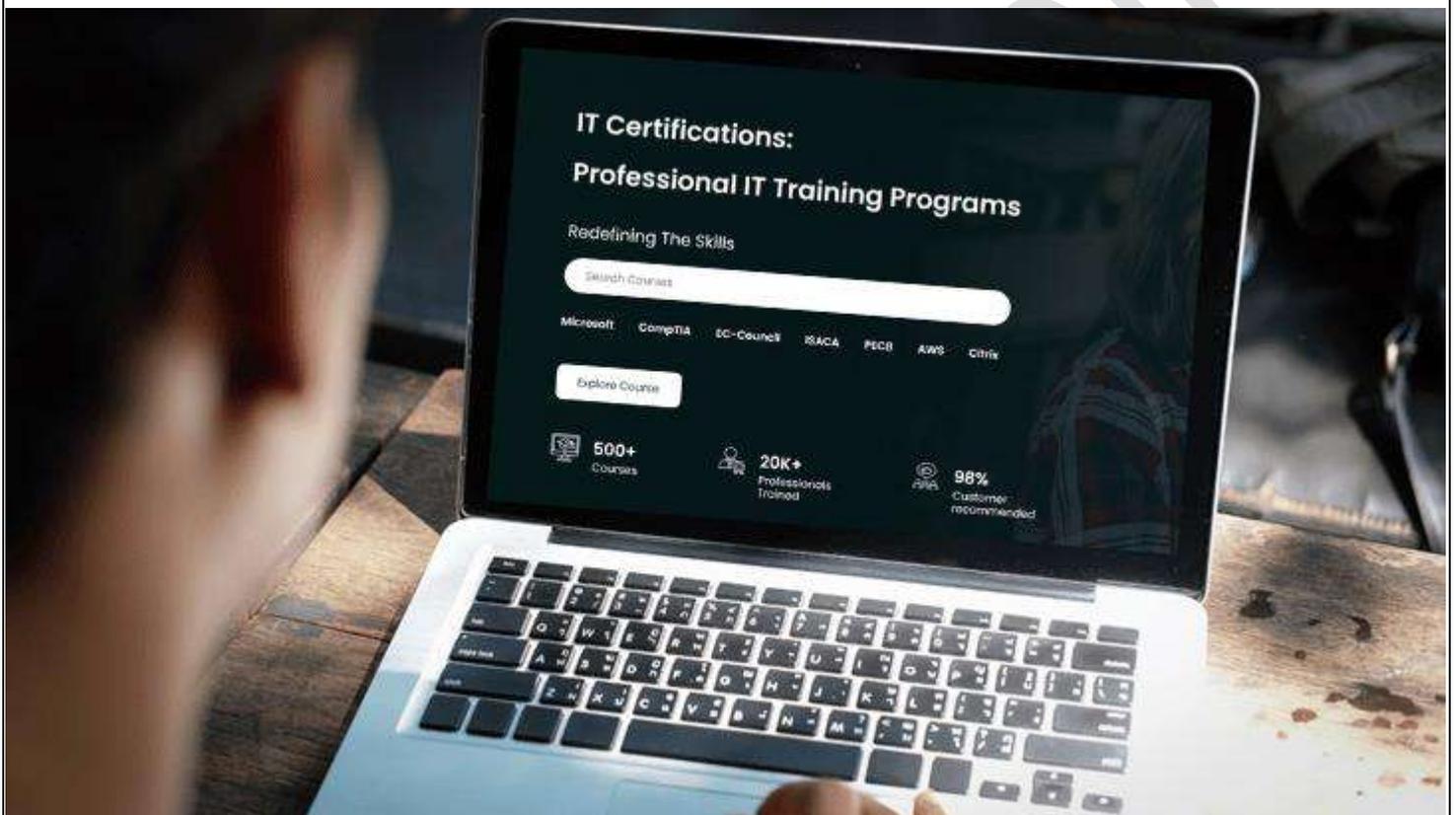# AWS-CPE: AWS CLOUD PRACTITIONER ESSENTIALS TRAINING

Duration: 1 Day

Course Description

AWS Cloud Practitioner Essentials Training is loaded with in-depth information on AWS Cloud, free of specific technical roles.

This self-paced technical course helps you gain a comprehensive understanding of cloud concepts, security, AWS services, pricing, architecture, and support.

It is fairly detailed, which also makes it perfect for individuals preparing for the AWS Certified Cloud Practitioner Exam.

This course will answer all of your questions regarding the AWS Cloud and the foundational global infrastructure.

You will learn to elaborate on the critical services on the AWS platform and their general use cases and basic general AWS Cloud architectural principles and compliance and security aspects on the AWS platform.

It also focuses on account management, billing, and pricing models and educates you to recognize technical assistance sources.

Furthermore, it helps you understand the basic characteristics of launching and operating in the AWS cloud along with the AWS Cloud Value proposition.

Who should attend this course?

This course is suitable for recommended attendees who have in-depth IT technical and IT business knowledge.

Professionals applying for this course muse be Project managers, Business analysts, AWS Academy students, Marketers, Sales, and Legal covering entire IT relevant professionals.

What you will learn

- Defining about the cloud and how it functions.
- Differentiating between deployment models and cloud computing.
- Describing AWS Cloud propositions.
- Describing basic globally infrastructure of cloud.
- Describing and comparing diversified procedures on interacting with AWS.
- Differentiating and describing between AWS Service domains.
- Identifying a suitable solution when utilizing AWS cloud services.
- Describing Well-Architected Framework.
- Describing basic principles of AWS Cloud architecture.
- Explaining about shared responsibility models.
- Describing AWS cloud in security services.
- Defining pricing models, account management and billing for AWS platform.
- Identifying cloud development for future services.

Curriculum

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

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

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