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Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration:

AWS Certified Cloud Practitioner

About this Course:

This course provides a foundational understanding of AWS Cloud concepts, services, and terminology, tailored for both technical and non-technical professionals. It introduces core AWS services including compute, storage, networking, and databases, and explores key concepts such as security, pricing models, support plans, architecture principles, and the AWS Well-Architected Framework.

Through hands-on labs and scenario-based learning, participants will gain practical insight into the AWS Cloud's global infrastructure, shared responsibility model, cost optimization, and best practices for deploying cloud-based solutions. The course also includes strategies for preparing and successfully passing the AWS Certified Cloud Practitioner exam.

Audience:

This course is ideal for individuals who are new to the cloud and want to build foundational AWS knowledge. It is suitable for professionals in technical, sales, marketing, finance, or procurement roles who work with or make decisions about cloud solutions. It is also well-suited for decision-makers evaluating cloud adoption or preparing for more advanced AWS certifications.

Course Objectives:

- Understand the AWS Cloud and its global infrastructure
- Describe key AWS services and their use cases
- Explain the AWS Shared Responsibility Model
- Identify aspects of AWS security and compliance
- Understand AWS pricing models and cost management strategies
- Recognize the different types of cloud computing models and architectures
- Navigate the AWS Management Console and explore basic service functionality
- Understand the AWS Well-Architected Framework at a high level
- Prepare effectively for the AWS Certified Cloud Practitioner (CLF-C02) exam

Prerequisites:

- No formal prerequisites.
- Basic understanding of general IT concepts such as servers, networks, and databases
- Familiarity with web browsers and basic computer skills is expected.

Course Outline:

- Module 1: What is Cloud Computing?
    - Lesson 1: Basic Concept of Cloud Computing
    - Lesson 2: Types of Services Available on the Cloud
    - Lesson 3: Understanding Scalability and Security over the Cloud
- Module 2: Understanding AWS Region and Zones
    - Lesson 1: Understanding AWS Regions and Zones
    - Lesson 2: AWS Shared Responsibilities
- Module 3: Exploring AWS Environment

    - Lesson 1: Creating AWS Free Tier Account and Exploration
- Module 4: Introduction of Elastic Compute Services
    - Lesson 1: What is Elastic Compute Services
    - Lesson 2: Basic Features of Elastic Compute Services
    - Lesson 3: Understanding Elastic Container Services
    - Lesson 4: Understanding Serverless Environment
- Module 5: Introduction to AWS Core Database Services
    - Lesson 1: What is Database?
    - Lesson 2: Types of Databases
- Module 6: Introduction of AWS IAM Services
    - Lesson 1: Introduction of AWS Identity and Access Management
    - Lesson 2: Creating IAM Roles in AWS
    - Lesson 3: Creating IAM Policies in AWS
- Module 7: Understanding AWS Storage System
    - Lesson 1: What are AWS Storage Systems?
    - Lesson 2: Types of Storage Services
- Module 8: Understanding Core Networking Services
    - Lesson 1: What are the Core Networking Services in AWS
- Module 9: Working with AWS Resources
    - Lesson 1: AWS Resources
- Module 10: Working with AWS Resource Monitoring Solutions
    - Lesson 1: AWS Monitoring
    - Lesson 2: Understanding Monitoring Solutions
- Module 11: Understanding AWS Billing and Pricing System
    - Lesson 1: Understanding Billing and Pricing

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