AWS Cloud Practitioner Essentials (AWS)

NWV_211 | Expert-Led Live | Custom | Expert
Course Duration: 1 day

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.

Intended Audience

This course is intended for sales, legal, marketing, business analysts, project managers, AWS Academy students, and other IT-related professionals.

Objectives

After completing this course, the learner will be able to:

- Differentiate between on-premises, hybrid-cloud, and all-in cloud
- Describe the basic global infrastructure and the six benefits of the AWS Cloud
- Identify an appropriate solution using AWS Cloud services with various use cases
- Describe the AWS Well-Architected Framework
- 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
- Explain how to use pricing tools to make cost-effective choices for AWS services

Course Prerequisites

No Prerequisites

Outline

1. Introduction to Amazon Web Services
1.1 Benefits of AWS
1.2 On-demand delivery vs cloud deployments
1.3 Pay-as-you-go pricing model

2. Compute in the Cloud
2.1 Amazon Elastic Compute Cloud (Amazon EC2)
2.2 Amazon EC2 Auto Scaling
2.3 Elastic Load Balancing
2.4 Amazon Simple Notification Service (Amazon SNS)
2.5 Amazon Simple Queue Services (Amazon SQS)

3. Global Infrastructure and Reliability
3.1 Availability Zones
3.2 Amazon CloudFront and Edge locations
3.3 Provisioning AWS services

4. Networking
4.1 Public vs private networking resources
4.2 Virtual private gateway and virtual private network
4.3 AWS Direct Connect
4.4 Hybrid Deployments
4.5 AWS global network

5. Storage and Databases
5.1 Amazon Elastic Block Store (Amazon EBS)
5.2 Amazon Simple Storage Service (Amazon S3)
5.3 Amazon Elastic File System (Amazon EFS)
5.4 Amazon Relational Database Service (Amazon RDS)
5.5 Amazon DynamoDB

6. Security
6.1 Shared responsibility model
6.2 AWS Identity vs Access Management (IAM) security levels
6.3 AWS Organizations and compliance
6.4 AWS security policies and services

7. Monitoring and Analytics
7.1 Monitoring your AWS environment
7.2 Amazon CloudWatch, AWS CloudTrail, AWS Trusted Advisor

8. Pricing and Support
8.1 AWS pricing and support models
8.2 AWS Organizations and consolidated billing
8.3 AWS Budget, AWS Cost Explorer, AWS Pricing Calculator
8.4 AWS Support Plans
8.5 AWS Marketplace

9. Migration and Innovation
9.1 AWS Cloud Adoption Framework (AWS CAF)
9.2 Six key factors of a cloud migration strategy
9.3 AWS data migration solutions, i.e. AWS Snowcone, AWS Snowball, AWS Snowmobile
9.4 Five pillars of the AWS Well-Architected Framework

10. AWS Certified Cloud Practitioner Basics
10.1 Resources for preparing for the AWS Certified Cloud Practitioner examination
10.2 Benefits of becoming AWS Certified

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