



AWS Technical Essentials

Introduction to Cloud and AWS

Learning Objective

- ❖ **Recognize terminology and concepts as they relate to the AWS platform and navigate the AWS Management Console.**

Topics Covered

- Introduction and History of AWS**
- AWS infrastructure - regions and az**
- AWS account plans**
- Creating a basic account**

Understanding the Cloud Domains and Services

Learning Objective

- ❖ Understand the foundational services, including Amazon Elastic Compute Cloud (EC2), Amazon Virtual Private Cloud (VPC), Amazon Simple Storage Service (S3), and Amazon Elastic Block Store (EBS).

Topics Covered

- ❑ AWS Foundational Services: EC2, VPC, S3, EBS

Securing the AWS account and resources

Learning Objective

- ❖ Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM).

Topics Covered

- ❑ AWS Security, Identity, and Access Management: IAM

Databases in AWS Cloud

Learning Objective

- ❖ Understand AWS database services, including Amazon DynamoDB and Amazon Relational Database Service (RDS).

Topics Covered

- ❑ AWS Databases: RDS, DynamoDB

Monitoring and Load Balancing

Learning Objective

- ❖ Understand AWS management tools, including Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor.

Topics Covered

- ❑ AWS Management Tools: Auto Scaling, CloudWatch, Elastic Load Balancing, Trusted Advisor