

# AWS Technical Essentials

## Course Overview

This is a 1-day class

This course introduces you to AWS products, services, & common solutions. It provides IT technical end users with basic fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions.

## Who Should Attend

The course is appropriate for individuals responsible for articulating the technical benefits of AWS services, any individual who is new to AWS, or SysOps Administrators and Developers who are interested in using AWS services.

## Course Objectives

Skills learned in this course include: Recognize terminology and concepts as they relate to the AWS platform Navigate the AWS Management Console Understand the security measures AWS provides Differentiate AWS Storage options and create an Amazon Simple Storage Service (S3) bucket Recognize AWS Compute and Networking options and use Amazon Elastic Compute Cloud (EC2) and Amazon Elastic Block Storage (EBS) Describe Managed Services and Database options Use Amazon Relational Database Service (RDS) to launch an application Identify Deployment and Management options

## Course Outline

### 1 Introduction to AWS

Navigate the AWS Management Console  
Recognize AWS Global Infrastructure  
Describe the security measures AWS provides

### 2 AWS Storage

Identify key AWS storage options  
Describe Amazon EBS  
Create an Amazon S3 bucket and manage associated objects

### 3 Compute Services & Networking

Identify the different AWS compute and networking options  
Describe an Amazon Virtual Private Cloud (VPC)  
Create an Amazon EC2 instance  
Use Amazon EBS with Amazon EC2

### 4 Managed Services & Database

Describe Amazon DynamoDB  
Understand key aspects of Amazon RDS  
Launch an Amazon RDS instance

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## 5 Deployment and Management

Identify what is CloudFormation

Describe Amazon CloudWatch metrics and alarms

Describe Amazon Identity and Access Management (IAM)