New Horizons®

AWS Technical Essentials

Summary

Length: 8 hours Level: Foundational

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. This course may earn a Credly Badge.

Learning 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. **Module 1- Introduction & History to AWS**

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

2. **Module 2- AWS Storage & Content Delivery**

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

3. **Module 3- Compute Services & Networking**

    Identify the different AWS compute and networking options
    Describe an Amazon Virtual Private Cloud (VPC)
    Create an Amazon EC2 instance
    Verify how to use Amazon EBS

4. **Module 4- AWS Managed Services & Database**

    Describe Amazon DynamoDB
    Verify key aspects of Amazon RDS
    Execute an Amazon RDS drive application

5. **Module 5- Deployment and Management**

    Identify AWS CloudFormation
    Describe Amazon CloudWatch metrics and alarms
    Describe Amazon Identity and Access Management (IAM)

Audience

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.

Prerequisites

There are no rerequisites for this course.