

AWS Technical Essentials

Summary

Length: 20 hours Level: Foundational

Enroll yourself in the AWS Development Essentials course and lab to learn AWS programming. The lab is cloud-based, device-enabled, and can easily be integrated with an LMS. This AWS training course and lab help you with architecture systems and solve technical problems using the latest cloud computing technologies. In this course, you will learn about identifying key AWS storage options, Amazon EBS, Amazon S3 bucket creation, and sample code and libraries along with computing and networking services using Amazon EBS and EC2 instances.

Learning Objectives

Enroll yourself in the AWS Development Essentials course and lab to learn AWS programming. The lab is cloud-based, device-enabled, and can easily be integrated with an LMS. This AWS training course and lab help you with architecture systems and solve technical problems using the latest cloud computing technologies. In this course, you will learn about identifying key AWS storage options, Amazon EBS, Amazon S3 bucket creation, and sample code and libraries along with computing and networking services using Amazon EBS and EC2 instances.

Course Outline

1. **Introduction**
 - What this course covers?
 - What you need for this course?
 - Who this course is for?
 - Conventions

2. **An Introduction to Amazon Web Services**
 - A background of AWS and its needs
 - The AWS Management Console
 - AWS security measures
 - AWS interaction through the SDK and IDE tools
 - Summary

3. **Working with AWS Storage Services**
 - AWS storage options
 - Working with Amazon EBS
 - Working with AWS
 - AWS Glacier
 - Summary

4. **Computing and Networking Services**
 - Amazon Elastic Compute Cloud
 - Best practices
 - Tools
 - Computing and networking tools and libraries
 - Summary

5. **Managed Services and the Databases**
 - Amazon DynamoDB
 - Amazon RDS

DynamoDB local
The RDS command-line tool
Summary

6. Deployment and Management

AWS CloudFormation
Alarms with Amazon CloudWatch
Identity and Access Management
Application deployment using AWS Elastic Beanstalk
Summary

7. Working with the AWS Simple Notification Service – SNS

Identifying Amazon SNS
The service models of Amazon SNS
Accessing SNS using the Management Console
The sample code and libraries of SNS
Summary

8. Working with AWS SQS

AWS SQS
The baseline concept and object models of SQS
Code and libraries of the AWS SQS service
Summary

9. Building an Application Using AWS

An overview of an application
Tool selection
Creating an application
Summary

Audience

This course is for anyone seeking a foundational insight into AWS.

Prerequisites

There are no prerequisites for this course.