# AWS Certified Developer Ã¢â‚¬â€œ Associate Track

**Course#:aws-cda-t**
**Duration:4 Days**
**Price:0.00**

## Course Description

This Track includes:

Technical Essentials on AWS - 1 day

Developing on AWS - 3 days

Technical Essentials- AWS Technical Essentials introduces you to AWS products, services, and common solutions. It provides you with fundamentals to become more proficient in identifying AWS services so that you can make informed decisions about IT solutions based on your business requirements and get started working on AWS.

Developing on AWS- In this course, you learn how to use the AWS SDK to develop secure and scalable cloud applications. Explore how to interact with AWS using code and also learn about key concepts, best practices, and troubleshooting tips.

## Objectives

In this course, you will learn how to:

 Recognize terminology and concepts as they relate to the AWS platform and navigate the AWS Management Console.
 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).
 Understand the security measures AWS provides and key concepts of AWS Identity and Access Management (IAM).
 Understand AWS database services, including Amazon DynamoDB and Amazon Relational

Database Service (RDS).
Understand AWS management tools, including Auto Scaling, Amazon CloudWatch, Elastic Load Balancing (ELB), and AWS Trusted Advisor.
Set up the AWS SDK and developer credentials for Java, C#/.NET, Python, and JavaScript
Interact with AWS services and develop solutions by using the AWS SDK
Use AWS Identity and Access Management (IAM) for service authentication
Use Amazon Simple Storage Service (Amazon S3) and Amazon DynamoDB as data stores
Integrate applications and data by using AWS Lambda, Amazon API Gateway, Amazon Simple Queue Service (Amazon SQS), Amazon Simple Notification Service (Amazon SNS), and AWS Step Functions
Use Amazon Cognito for user authentication
Use Amazon ElastiCache to improve application scalability
Use containers in the development process
Leverage the CI/CD pipeline to deploy applications on AWS

## Audience

Individuals responsible for articulating the technical benefits of AWS services to customers
Individuals interested in learning how to get started with using AWS
SysOps administrators, Solution Architects and developers interested in using AWS services
Intermediate-level software developers

## Prerequisites

We recommend that attendees of this course have the following prerequisites:

In-depth knowledge of at least one high-level programming language
Working knowledge of core AWS services and public cloud implementation

## Content

Technical Essentialsteaches you:

Introduction and History of AWS
AWS Foundational Services: EC2, VPC, S3, EBS

AWS Security, Identity, and Access Management: IAM

AWS Databases: RDS, DynamoDB

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

Developing on AWSteaches you:

Introduction to Developing on AWS

Introduction to AWS Identity and Access Management

Developing Storage Solutions with Amazon S3

Developing Flexible NoSQL Solutions with Amazon DynamoDB

Developing Solutions with AWS Lambda

Developing Solutions with Amazon API Gateway

Developing Solutions with Amazon SQS and Amazon SNS

Developing Event-Driven Solutions with AWS Step Functions

Caching Information for Scalability

Getting Started with Containers

Developing Secure Solutions

Deploying Applications