

## AWS Certified Developer Associate (Bundle)

Course#: aws-cda-b

Duration: 5 Days

Price: 4250.00

### Course Description

This track includes:

AWS Technical Essentials - 1 Day

Developing on AWS - 3 Days

AWS Certification Readiness Workshop: Certified Developer Associate - 0.5 Day

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.

In Developing on AWS 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.

The AWS Certified Developer Associate exam validates technical expertise in developing and maintaining applications on the AWS platform. In this half-day, intermediate-level course, learn how to prepare for the exam by exploring the exams topic areas, mapping them to developing on AWS, and identifying specific areas to study. You will review sample exam questions in each topic area and learn how to interpret the concepts being tested so that you can better eliminate incorrect responses.

Certification bundle includes:

AWS Technical Essentials

Developing on AWS

AWS Certification Readiness Workshop: Certified Developer Associate

AWS Certified Developer Associate Exam

## Objectives

In AWS Technical Essentials 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.

In Developing on AWS course, you will learn how to:

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

Exam Readiness: AWS Certified Developer Associate course teaches you how to:

- Understand the exam structure and question types
- Identify questions that relate to AWS development concepts
- Interpret the concepts being tested by an exam question
- Allocate your time studying for the exam

## **Audience**

Eligible candidates for this exam have:

- 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
- Developers who are preparing to take the AWS Certified Developer Associate exam

## **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
- One or more years of hands-on experience designing and maintaining an AWS-based application
- In-depth knowledge of at least one high-level programming language
- Developing on AWS or equivalent knowledge

## **Content**

1. AWS Technical Essential course

- 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

## 2. Developing on AWS

Introduction to AWS

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

## 3. Exam Readiness: AWS Certified Developer Associate

Exam overview and structure

Content domains and question breakdown

Topics and concepts within content domains

Question structure and interpretation techniques

Sample exam questions