AWS Certified Developer Associate (DVA-C01)

Introduction

This AWS Certified Developer - Associate (DVA-C01) examination is intended for individuals who perform a developer role.

It validates an examinee's ability to:

- Demonstrate an understanding of core AWS services, uses, and basic AWS architecture best practices.
- Demonstrate proficiency in developing, deploying, and debugging cloud-based applications using AWS.

Course Objective

This course teaches you about core aspects such as:

- Demonstrate and apply core AWS concepts and AWS architecture best practices
- Develop, deploy, and debug cloud-based applications using AWS
- Set up the AWS SDK and developer credentials for Java, C#/.Net, Python & JavaScript
- Customize the AWS SDK to interrelate with AWS Services & Develop solutions
- Use Amazon S3 & Amazon DynamoDB as Data Stores
- Integrate applications and data by using Amazon Kinesis, AWS Lambda, and other tools
- Efficiently manage applications by using AWS Elastic Beanstalk & AWS CloudFormation

Course Outline

Domain 1: Deployment

1.1 Deploy written code in AWS using existing CI/CD pipelines, processes, and patterns
1.2 Deploy applications using Elastic Beanstalk
1.3 Prepare the application deployment package to be deployed to AWS
1.4 Deploy serverless applications

Domain 2: Security

2.1 Make authenticated calls to AWS services
2.2 Implement encryption using AWS services
2.3 Implement application authentication, and authorization

Domain 3: Development with AWS Services

3.1 Write code for serverless applications
3.2 Translate functional requirements into application design
3.3 Implement application design into application code
3.4 Write code that interacts with AWS services by using APIs, SDKs, and AWS CLI

Domain 4: Refactoring

4.1 Optimize application to best use AWS services and features
4.2 Migrate existing application code to run on AWS

Prerequisites

- Familiarity with AWS services
- Working knowledge of Java, C#/.Net, or Python

Target Audience

- Intermediate-level software developers

Duration

- 24 Hours Training Course