

# Aws certificate developer associate course(DVA-C02)

#### 1 AWS Fundamentals and Basics

- 1.1 Understanding the AWS global infrastructure.
- 1.2 Identifying and working with AWS services.
- 1.3 Identity and Access Management (IAM)

## 2 Managing AWS user identities and permissions.

- 2.1 Setting up and configuring IAM policies.
- 2.2 AWS Compute Services

## 3 Understanding Amazon EC2 (ElasticCompute Cloud) instances.

- 3.1 Creating and configuring EC2 instances.
- 3.2 Load balancing and auto-scaling.

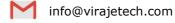
### **4 AWS Storage Services**

- 4.1 Working with Amazon S3 (Simple StorageService) for object storage.
- 4.2 Managing data with Amazon EBS (Elastic BlockStore) and EFS (Elastic File System).











#### **5 AWS Database Services**

- 5.1 Overview of Amazon RDS (Relational DatabaseService).
- 5.2 Using Amazon DynamoDB for NoSQLdatabases.

#### **6 AWS Serverless Services**

- 6.1 Working with AWS Lambda for serverless computing.
- 6.2 Developing and deploying serverless applications using AWS SAM (Serverless Application Model).

## 7 AWS Application Integration

- 7.1 Understanding and configuring AWS messaging services like Amazon SNS and SQS.
- 7.2 Implementing event-driven architectures with AWS services.

### 8 Deployment and Monitoring

- 8.1 Deploying applications with AWS Elastic Beanstalk.
- 8.2 Monitoring and debugging applications using AWS CloudWatch.











## 9 Security and Encryption

- 9.1 Implementing encryption in transit and at rest.
- 9.2 Best practices for securing AWS resources.









### **Development and Deployment Best Practices**

- 10 Understanding application deployment strategies.
- 11 Implementing CI/CD pipelines on AWS.

### **Application Integration and APIs**

- 11.1Creating and managing APIs using Amazon APIGateway.
  - 11.2 Integrating AWS services with third-party APIs.

#### **Testing and Troubleshooting**

- 11.3 Testing and debugging applications on AWS.
- 11.4Troubleshooting common issues in AWSenvironments.

#### **SDKs and CLI**

11.5Working with AWS SDKs (Software Development Kits) and the AWS Command LineInterface (CLI).







