Day - 1

- **AWS Certified DevOps Professional: Essential**

This course introduces Amazon AWS cloud capabilities to administrators, engineers, and architects looking to design and deploy on the AWS cloud. It covers core AWS skills and concepts needed to begin working with AWS and to achieve AWS certification.

- Introduction to AWS
- Understanding AWS Global Infrastructure
- Understanding AWS Security Measures
- The AWS Free Tier
- Working with AWS Storage: Ephemeral and S3
- Working with AWS Storage: EBS and Glacier
- AWS Compute Options
- Understanding EC2 Pricing
- Understanding AWS Networking, CloudWatch, and Auto Scaling
- Amazon Database Options, APIs, and Lambda
- Amazon Simple Services
- CloudFront, CloudFormation, Elastic Beanstalk, and CloudTrail

- **AWS Certified DevOps Professional: CD and Automation**

This is the first in a series of four courses that will prepare you for the AWS Certified DevOps Engineer Certification. In this course, we'll cover the domain objectives for the continuous delivery and process automation portion of the exam. Essentials

- Series Introduction
- Implementing Continuous Integration and Continuous Delivery
- Understanding Application Lifecycle Management
- Automating Infrastructure with CloudFormation
- Deploying Applications with Elastic Beanstalk
- Creating Stacks and Managing Configuration with OpsWorks
- Scripting and Automating Operational Tasks

Day - 2

- **AWS Certified DevOps Professional: Monitoring, Metrics, and Logging**

Learn more about CloudWatch and prepare for the AWS Certified DevOps Engineer Certification by watching the second course in this series of four courses. In this course, AWS Certified DevOps Engineer: Monitoring, Metrics, and Logging, you'll cover the domain objectives for the monitoring, metrics, and logging portion of the exam. You'll explore how to get started in CloudWatch and begin monitoring with its custom metrics. You'll learn how to create alarms, monitor API calls and log files, and finally you'll learn how to work with CloudWatch events. By the end of this course, you'll be very familiar with CloudWatch and its functions, and you'll also be more prepared to earn your certification.

- Course Overview
- Course Introduction3
- Getting Started with CloudWatch3
- Monitoring with Custom CloudWatch Metrics
- Creating CloudWatch Alarms
- Monitoring API Calls with CloudTrail
- Monitoring Log Files with CloudWatch
- Working with CloudWatch Events

- **AWS Certified DevOps Professional: Security, Governance, Validation**
  - This is the third in a series of four courses that will prepare you for the AWS Certified DevOps Engineer Certification. In this course, we'll cover the domain objectives for the security, governance, and validation portion of the exam.

  - Understanding AWS Security Best Practices
  - Implementing Delegation and Federation
  - Protecting Data In-flight and at Rest
  - Enabling IT Governance with AWS Services

Day - 3

This is the final course in the AWS Certified DevOps Engineer Certification series. This course covers the high availability and elasticity objectives for the AWS Certified DevOps Engineer Professional exam. You'll learn best practices and patterns for building highly available architectures and implementing auto scaling groups.

- o Course Introduction
- o Architecting for High Availability and Scalability
- o Understanding Auto Scaling
- o Implementing Scalable and Highly Available Databases
- o Deploying a Highly Available and Elastic Architecture
- o Series Summary.