

## **CI and CD with AWS CodePipeline Jenkins and AWS CodeDeploy**

**Modality: Self-Paced Learning**

**Duration: 3 Hours**

### **About this Course:**

Each day hundreds of tech startups are being formulated and the need for the services of a proficiency automation expert is always on the rise. Successful startups realize the potential of Automated DevOps Pipeline and are keen to adopt Continuous Delivery (CD) and Continuous Integration (CI) Services to augment the business's agility and speed. This training program helps professionals with the highly scalable Amazon AWS Toolsets including AWS CodeDeploy and AWS CodePipeline.

In addition to this, professionals also get to know about the core concepts and functionalities of Jenkins and master the process of building automated pipelines fluently. Candidates will also get to learn the application of numerous Jenkins Plugins and will develop a conceptual understanding of effective ways to mitigate risks within a business Software Development Life Cycle. This course also sheds light on the implementation of innovative business solutions.

### **Course Objectives:**

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Fundamentals and Essentials of CI and CD
- Importance of CI and CD
- Configuration and Installation of Amazon AWS EC2 Machines
- Configuration and Installation of PostgreSQL Database in Amazon RDS
- Jenkins, AWS CodePipeline, and AWS CodeDeploy Fundamentals
- Development of an Automated CI and CD Pipeline
- Management of Relational Database and Learning Version Control
- Build Aircrafts Maintenance through Running CI Pipeline
- Automated Build Notification Configuration

### **Audience:**

- Developers & Web App Developers
- IT Administrators & DevOps Engineers
- Tech Founders & Mobile App Developers
- Technical & Non-Technical Co-Founders
- Software Architects

### **Prerequisites:**

Professionals planning to enroll in the CI and CD with AWS CodePipeline Jenkins and AWS

CodeDeploy must comply with the following prerequisites:

- Fundamental Knowledge of AWS Services & Functionalities
- Familiarity with DevOps
- Practical Experience of Working within the Software Development Life Cycle (SDLC)

### **Course Outline:**

- Introduction
- Introduction to Continuous integration, delivery and deployment
- AWS CodePipeline, Jenkins and AWS CodeDeploy
- Getting started
- Deep dive
- Conclusion
- Thank you