Certified Jenkins Engineer

Duration: 3 Days

Hands-On Format: This hands-on class is approximately 80/20 lab to lecture ratio, combining engaging lecture, demos, group activities and discussions with comprehensive machine-based practical programming labs and project work.

Module 1 –Introduction to Jenkins and Installing Jenkins

Introduction to CI/CD
Introduction to Jenkins
Jenkins Installation

Module 2 – Features and Functionality

Jobs
Builds
Source Code Management
Testing
Notifications and Alerts
Distributed Builds
Plugins
Rest API
Security
Artifacts

Module 3 – Building CD Pipelines

Pipeline Concepts
Upstream, Downstream and Triggers
Parameters
Promotions
Pipeline Workflow
Pipeline Multibranch and Repository Scanning
Pipeline Global Libraries

Module 4 – CD as Code

Distributed Builds Architecture
Replaceable Agents
Master Agent Connectors and Protocol
Tool Installation on Agents
High Availability