Build and Release Certification

Day - 1

- **Agenda of the training: Tools and Technologies**
  - Continuous Integration and Delivery Process
  - Problem That Build and Release Java Solves
  - Explore the Build and Release Java background, approach, and best practices
  - Integrate test automation with Build and Release Java
  - Implement continuous testing
  - Learn how Build and Release Java practices and principles improve software quality and efficiency
  - Understand the differences between Build and Release Java and traditional operational methodologies
  - Discover the major steps required to successfully implement delivery pipelines
  - Build and Release Java Transition to a Project
  - Understanding the Continuous Integration and Deployment (CI/CD)
  - Implement Build and Release Java - Organization & Culture

- **Operating Systems**
  - Introduction of Linux Operating System
  - Linux User Commands
  - Linux Admin Commands
  - Windows Administrator fundamental

- **Concept and Process**
  - Software Configuration Management overview
  - Elements of Software Configuration Management
  - Introduction of Version management / Source Code Management
  - Overview of Build management
  - Overview of Packaging management
  - Build and Release Concept and Process
  - Overview of Release and Deployment management
  - DevOps Concept and Process
  - Continuous Integration and Delivery Process

- **Source Code Management**
  - Subversion(svn) Fundamental
  - Git Fundamental
  - Git Advance

Day - 2

- **Build Tools**
  - Apache Ant Fundamental
  - Apache Maven Fundamental
  - Apache Maven Advance
  - MsBuild Fundamental
  - Gradle Fundamental

- **Scripting**
  - Powershell Scripting - Fundamental
  - Bash(Shell) Scripting - Fundamental
  - Ruby Programming - Fundamental

- **Package Management in Linux and Windows**
  - Yum
  - apt-get
  - Nuget
  - RPM

- **Artifact Repository Tools**
  - Sonatype Nexus

Day - 3

- **Configuration Management Tools**
  - Chef Fundamental
  - Chef Advance
  - Puppet Fundamental

- **Incident Management tools**
  - Jira Fundamental

- **Continuous Integration Tools**
  - Jenkins Fundamental
  - Jenkins Advance

- **CI/CD Concept and Implementation**
  - Concept of Continuous Integration
  - Concept of Continuous Deployment
  - Concept of Continuous Delivery
  - CI/CD Implementation