

Day - 1

Agenda of the training: Tools and Technologies

- Continuous Integration and Delivery Process
- o Problem That Build and Release Java Solves
- Explore the Build and Release Java background, approach, and best practices
- o 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
- o Discover the major steps required to successfully implement delivery pipelines
- o Build and Release Java Transition to a Project
- Understanding the Continuous Integration and Deployment (CI/CD)
- o 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

• Build Tools

- Apache Ant Fundamental
- Apache Maven Fundamental
- o Apache Maven Advance
- MsBuild Fundamental
- o Gradle Fundamental

• Scripting

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

Package Management in Linux and Windows

- o Yum
- o apt-get
- Nuget
- o RPM

• Artifact Repository Tools

Sonatype Nexus

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

- o Concept of Continuous Integration
- Concept of Continuous Deployment
- Concept of Continuous Delivery
- CI/CD Implementation