

JENKINS

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Installing and Running Jenkins

- * Downloading and Installing Jenkins
- * Running Jenkins as a Stand-Alone Application
- * Initial Configuration
- Setting up Jenkins
 - Installing Jenkins on Windows
 - Installing Jenkins on MAC
 - Installing Jenkins in a Docker Container

Job Types in Jenkins

- * Different types of Jenkins Items
- * Configuring Source Code Management(SCM)
- * Working with Subversion * Working with Git
- * Storing Credentials
- * Service Accounts
- * Schedule Build Jobs
- * Polling the SCM
- * Polling vs Triggers
- * Maven Build Steps
 - Understanding Upstream/Downstream Projects
 - Updating an existing job
 - Cloning an existing job
 - Importing/Exporting jobs
 - Creating Maven Project
 - Monitor an External Job
 - Multi-Configuration Job

Jenkins Plugins

- * Jenkins Plugins - SCM
- * Jenkins Plugins - Build and Test
- * Jenkins Plugins - Analyzers
- * Jenkins for Teams
- * Installing Jenkins Plugins

Distributed Builds with Jenkins

- * Agent Machines
- * Configure Jenkins Master
- * Configure Projects
- * Conclusion

Continuous Delivery and the Jenkins Pipeline

- * Continuous Delivery
- * Continuous Delivery (cont'd)
- * DevOps and Continuous Delivery
- * Continuous Delivery Challenges
- * Continuous Delivery with Jenkins
- * The Pipeline Plugin
- * The Pipeline Plugin (cont'd)
- * Defining a Pipeline
- * A Pipeline Example
- * Pipeline Example (cont'd)
- * Parallel Execution
- * Creating a Pipeline
- * Invoking the Pipeline
- * Conclusion