



Jenkins

Jenkins: Code Pipeline Demo

JENKINS : Code Pipeline

- **JenkinsFile:** Jenkinsfile is a text file that stores the entire workflow as code and it can be checked into a SCM on your local system.
- The **Jenkinsfile** is written using the Groovy DSL.
- **Pipeline:** This is a user defined block which contains all the processes such as build, test, deploy, etc. It is a collection of all the stages in a Jenkinsfile.
- **Node:** A node is a machine that executes an entire workflow.
- **Agent:** An agent is a directive that can run multiple builds with only one instance of Jenkins. It instructs Jenkins to **allocate an executor** for the builds.

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- **Any:** Runs the pipeline/ stage on any available agent.
- **Stages:** This block contains all the work that needs to be carried out. There can be more than one stage within this directive. Each stage performs a specific task.
- **Steps:** A series of steps can be defined within a stage block. These steps are carried out in sequence to execute a stage.
 - There must be at least one step within a steps directive.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

See you in next lecture ...