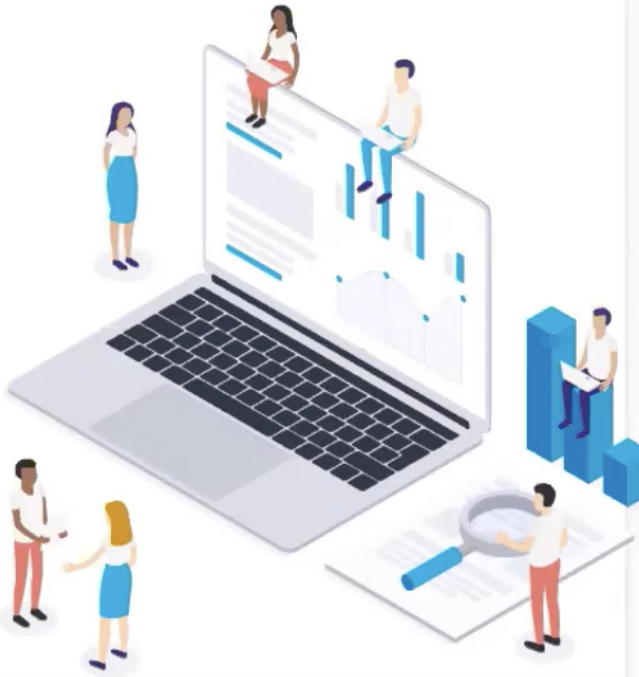
Jobs and Pipelines



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Students, write your response!
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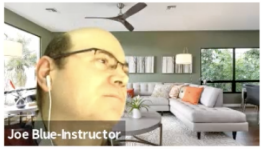
1 Jenkins Jobs

Jenkins

- A Jenkins project is a **repeatable build job**
- A new Jenkins item can be any of six types of job plus a folder for organizing items:
  - Freestyle Project
  - Pipeline
  - External Job
  - Multi-configuration Project
  - Folder
  - Github Organization
  - Multibranch Pipeline

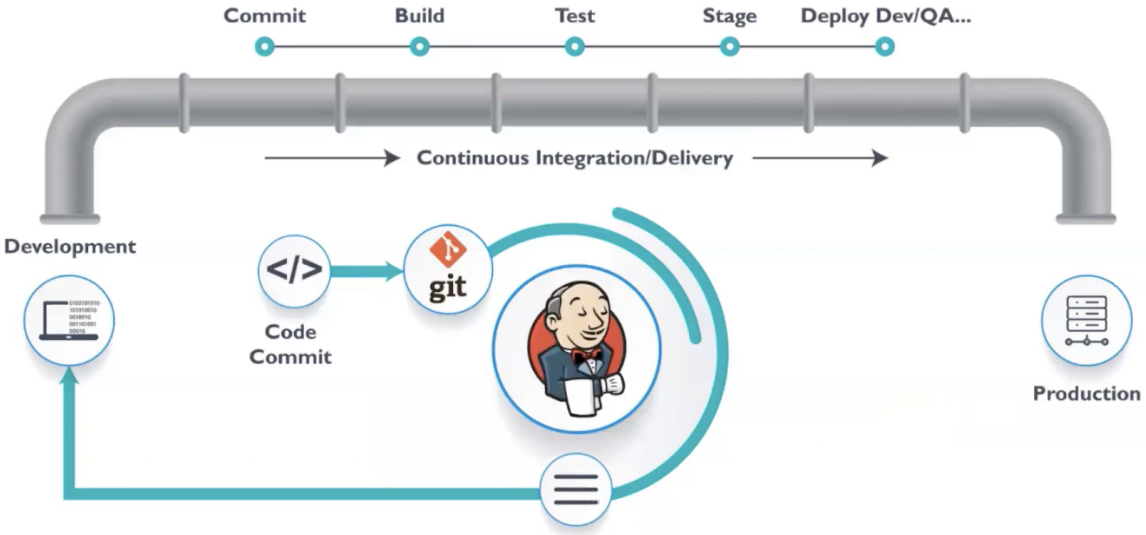
Jenkins and GitHub



- You can run scripts from GitHub.
- You can give instructions to Jenkins about what it should do when we trigger a build.
  - Poll SCM periyodik
  - Webhooks kod degistiginde
- With GitHub integration you can build after each commit.

Github
Bitbucket
Gitlab

Jenkins Pipelines



Pipeline Concepts

- Pipeline
  - A Pipeline is a user-defined model of a CD pipeline
- Node
  - A node is a machine that is part of the Jenkins environment and is capable of executing a Pipeline.
- Stage
  - A stage block defines a conceptually distinct subset of tasks performed through the entire Pipeline
- Step
  - A single task