BATCH : Batch 107

LESSON : Jenkins

DATE :

SUBJECT : Jenkins Day 2

Jobs- Pipelines

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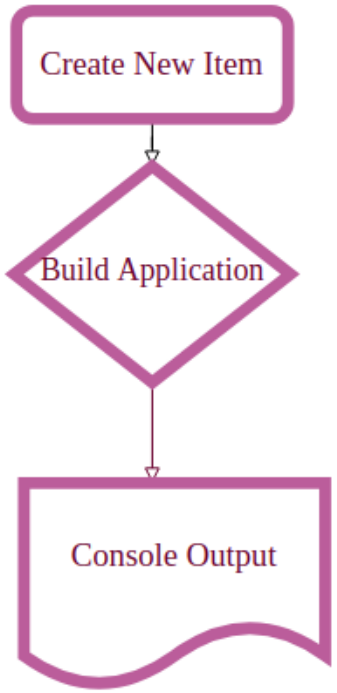
Jenkins Day 2

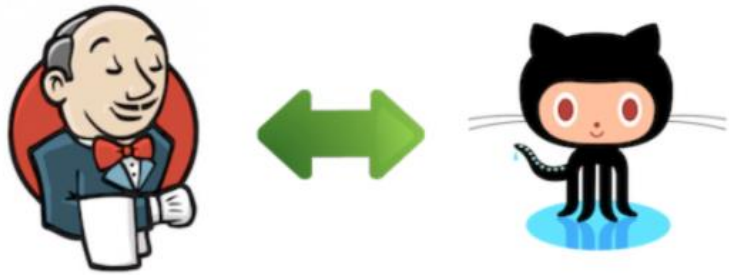
Jenkins Jobs

- A Jenkins project is a repeatable build job which contains steps and post-build actions.
- 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

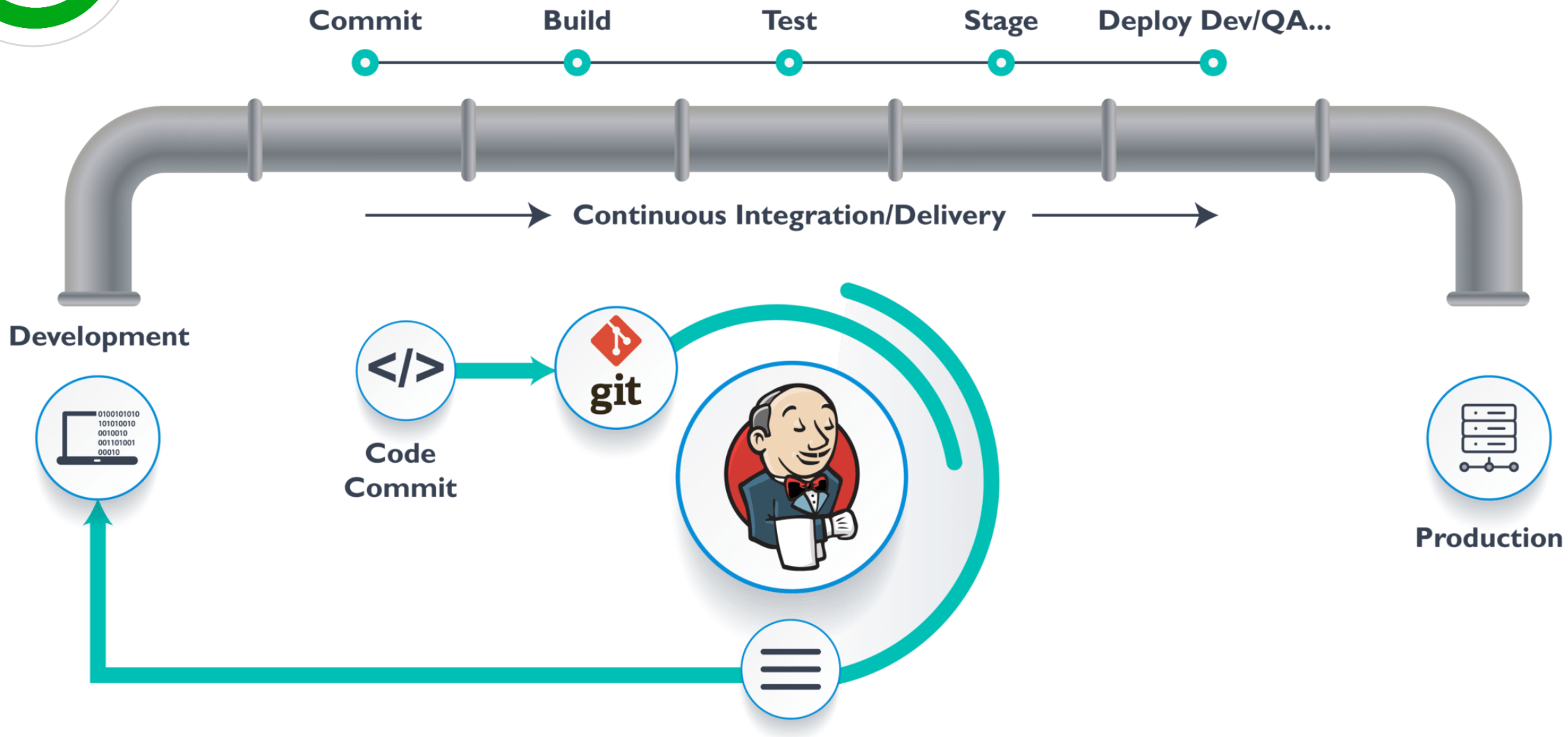


Jenkins and Github

- You can run scripts from Github.
- You can give instructions to Jenkins about what it should do when trigger a build.
  - Poll SCM
  - Webhooks
- With Github integration you build.



Jenkins Pipelines



Pipeline Concepts

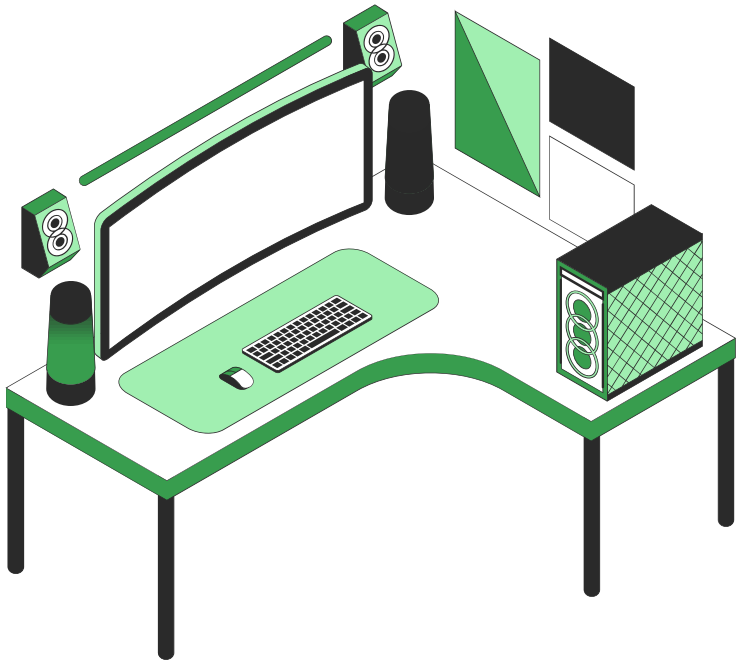
- Pipeline :
  - A Pipeline is a user-defined model of a CD pipeline.
- Node :
  - A node is a machine that is part of the jenkins environment and is capable of executing a Pipeline.
- Stage :
  - A stage block defines a completely distinct subset of tasks performed through the entire Pipeline
- Step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

Jenkins Plugins

- **Locale** plugin for language support
- **Ansicolor** plugin for style
- **Copy Artifact** plugin to copy build results
- **Deploy to container** plugin to deploy a war file to a container after build

Jenkins Jobs

- **Freestyle Job**
- **Pipeline**



Do you have any questions?

Send it to us! We hope you learned something new.