

Introduction to Jenkins

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What is Jenkins?

- Open Source CI / CD Software
- It can be either hosted (third party provider) or self-hosted
- Popular because it is self-hosted framework

Jenkins Terminology

- Agent → Machine or Container in Jenkins System
- Job → User configured workload to run
- Build → Result of single execution of Job
- Controller → Central System that manages all Jobs
- Folder → Organization Structure for Job Config

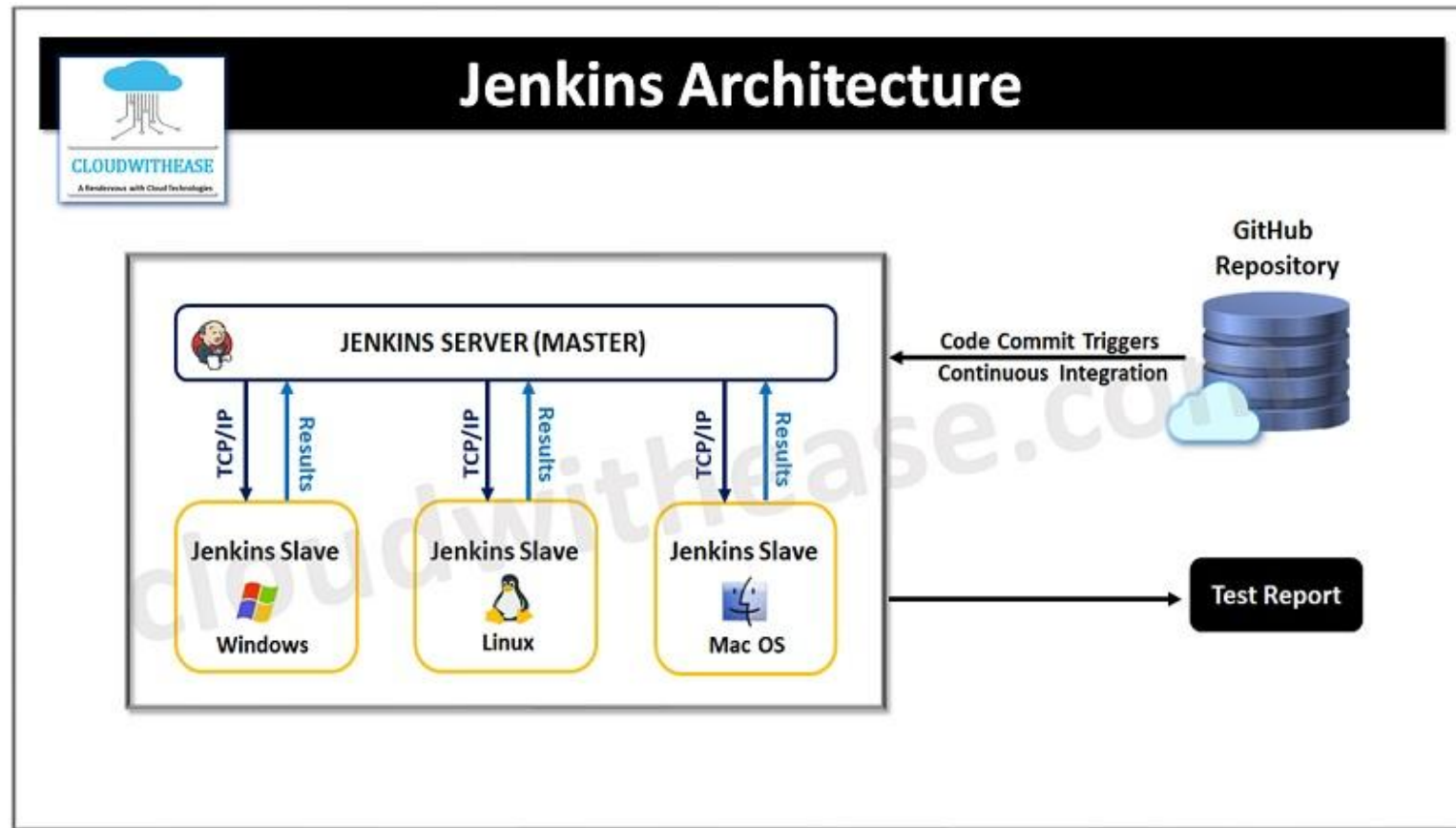
Jenkins Terminology

- Node → Physical Machine part of Jenkins System
- Artifact → File generated after a build for viewing
- Fingerprint → unique hash to track artifact
- Item → Web URL pointer to Folder or Job
- Label → User defined text to group Agents

Jenkins Terminology

- Plugin → User extension to Jenkins
- Pipeline → User-defined CI pipeline to run suite of
Plugin

Jenkins Architecture



Thank You!

Next Time: Hands on Example Configuring Jenkins