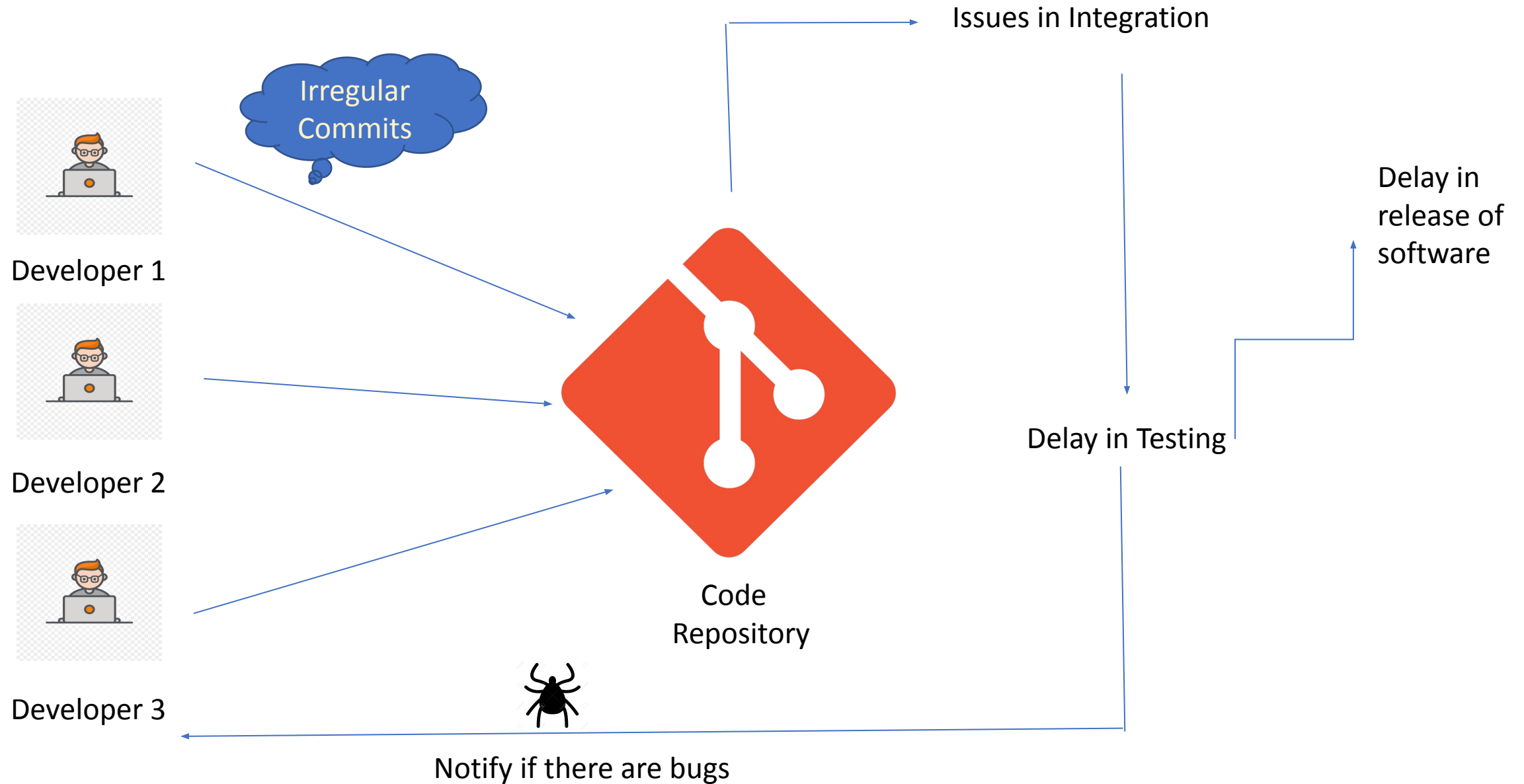




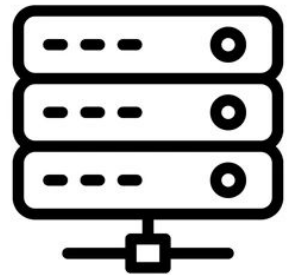
Before Jenkins



What is Jenkins?

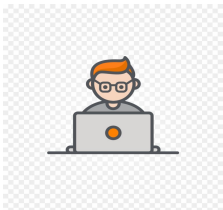
Jenkins is a continuous integration tool that allows continuous development, test and deployment of newly created codes

- **Nightly Builds**



shutterstock.com · 656721682

Commit changes
to the source code

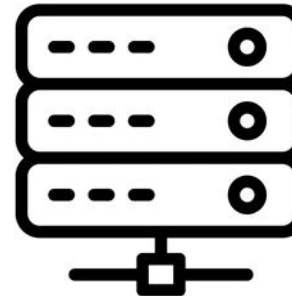


All the codes will be
pulled only at night



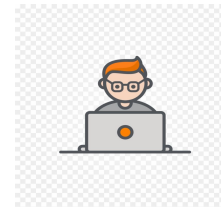
All the changes made to the
code are build together

- **Continuous Integration**



shutterstock.com · 656721682

Commit changes to the
source code

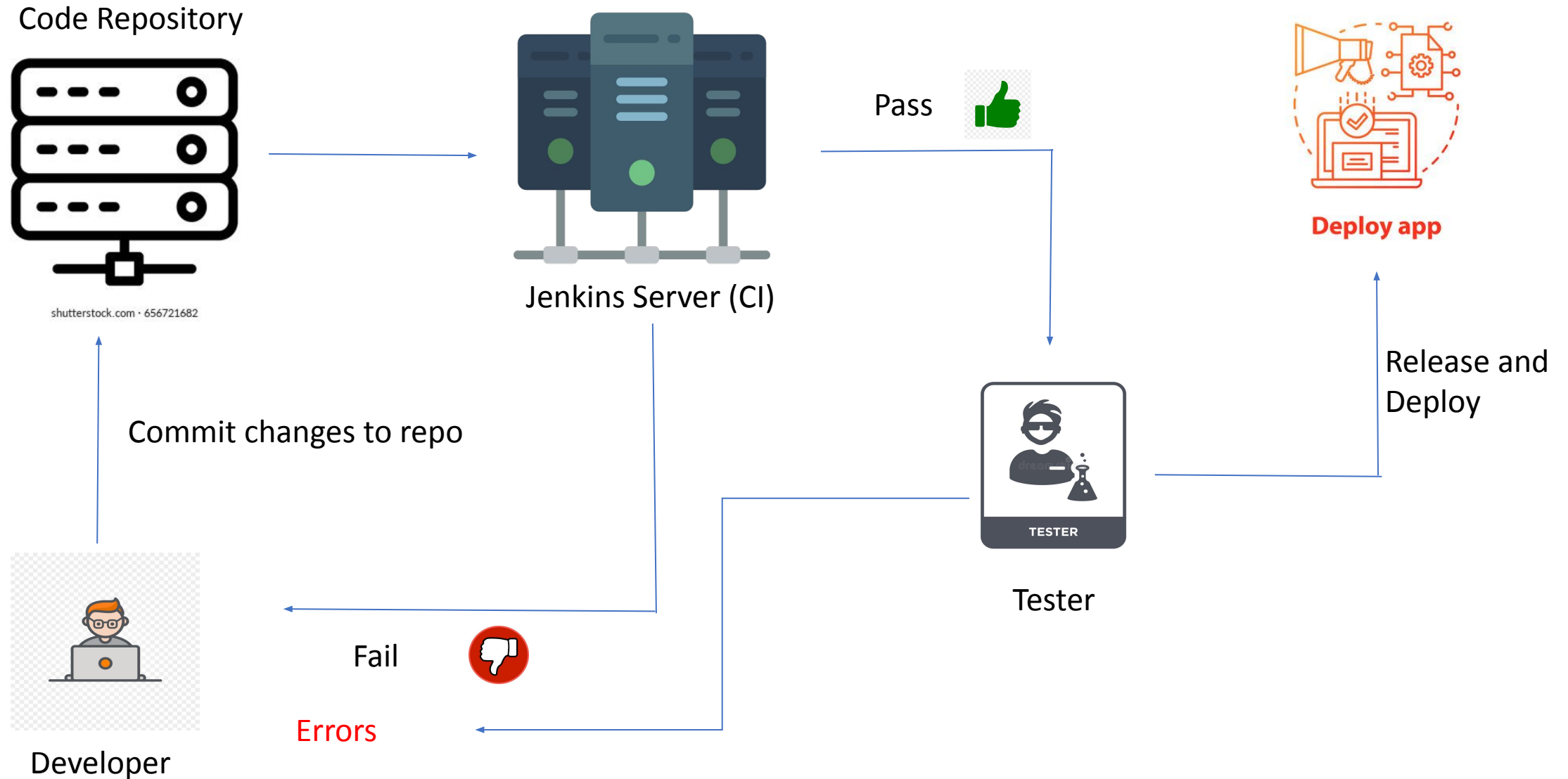


Code is pulled whenever there is a
commit made to the source code



All the changes made
to the code is build
continuously

Continuous Integration



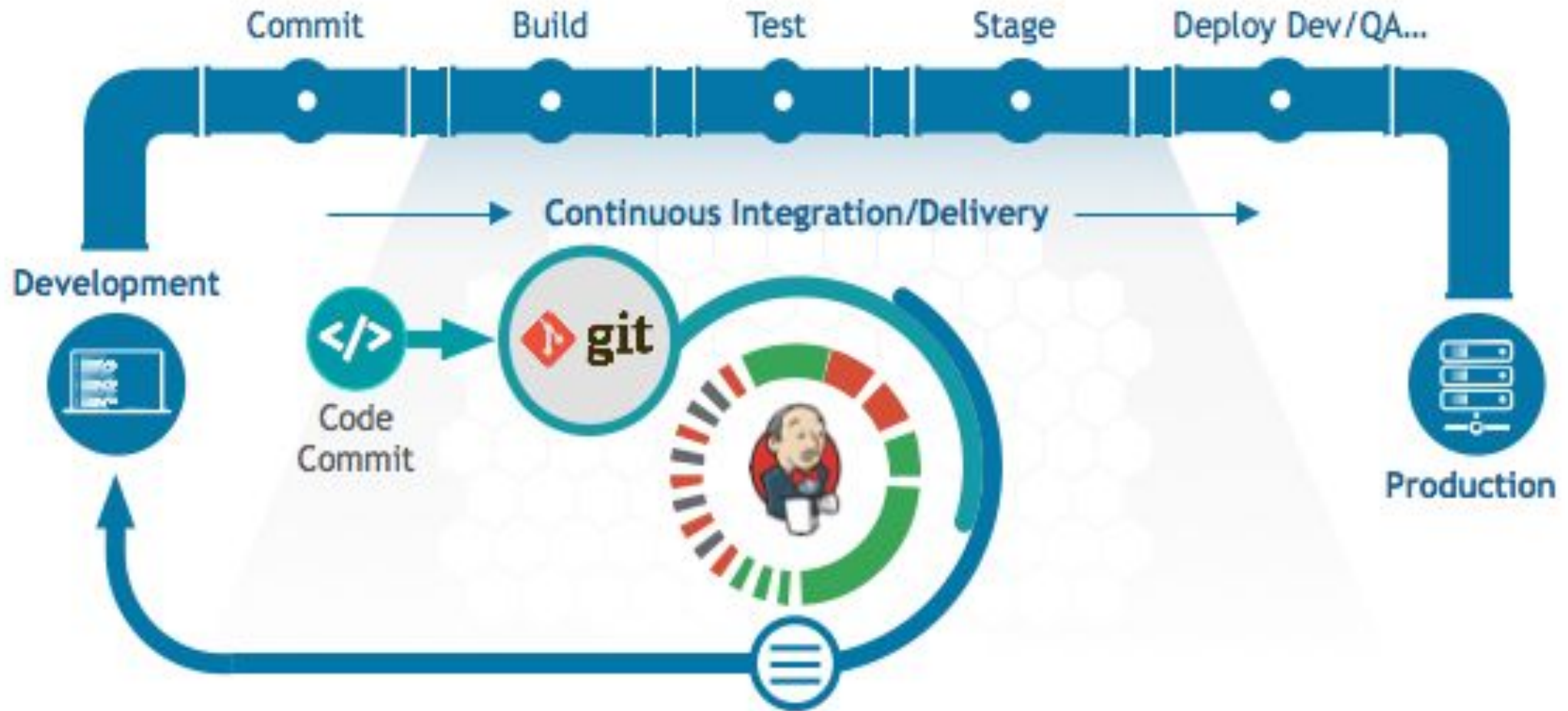
Continuous Integration Tools

- Bit bucket – code repository
- Jenkins – Ci tool
- Maven – Build
- Sonar – Code analysis
- Nexus – Artifact storage

Features of Jenkins

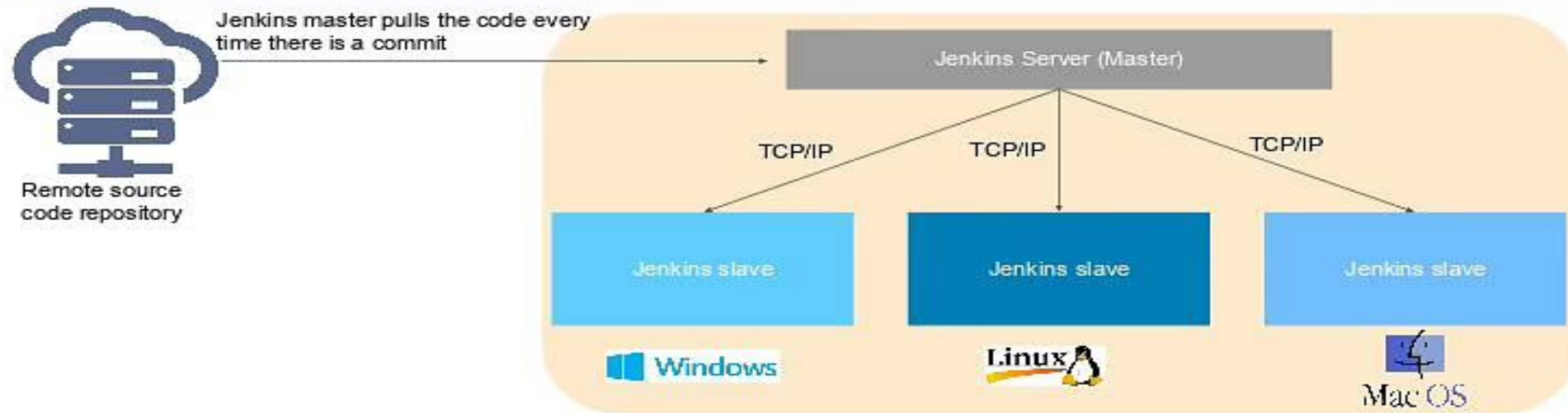
- Easy Installation
- Easy Configuration
- Plugins
- Extensible
- Distributed

Jenkins Pipeline



Master-Slave Architecture

Jenkins Master-Slave Architecture



- Jenkins master distributes its workload to all the slaves
- On request from Jenkins master, the slaves carry out builds and tests and produce test reports