Working of Jenkins Architecture

Everyt time there is a commit in source code, Jenkins Master pulls it

Source Code Repository

Jenkins Master Server
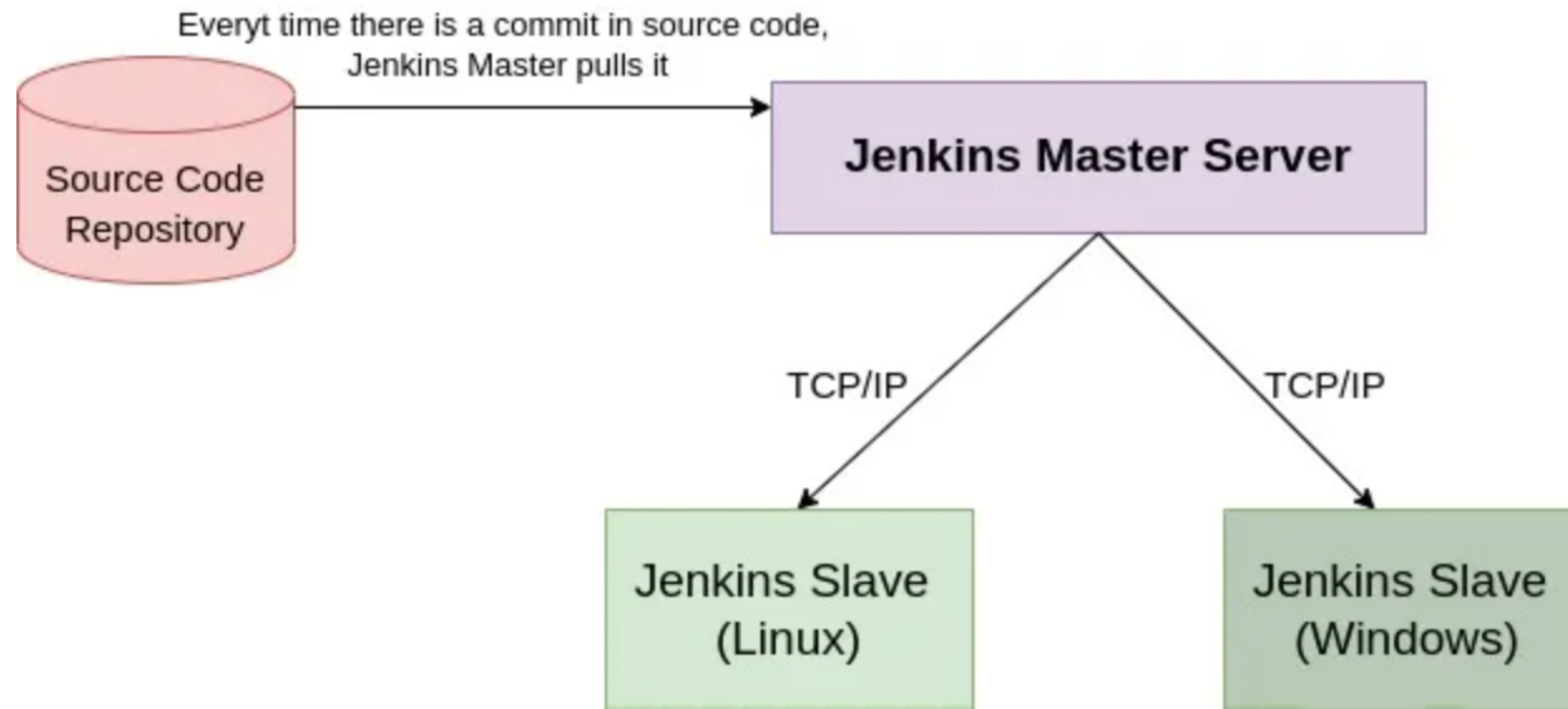
TCP/IP

TCP/IP

Jenkins Slave (Linux)

Jenkins Slave (Windows)

SOURCE CODE REPOSITORY-
A REPOSITORY THAT CONTAINS THE SOURCE CODE AND ALL OTHER REQUIRED PROJECT-RELATED FILES.

MASTER--
THE MAIN JENKINS SERVER IS THE MASTER SERVER OF JENKINS. THIS ACTS AS A CONTROL SERVER THAT ARRANGES THE DEFINED WORKFLOW OF THE PIPELINE. THE JOBS OF THIS MASTER ARE AS FOLLOWS:
- SCHEDULING JOBS
- SENDING BUILDS TO SLAVES TO EXECUTE THE JOB
- KEEPING TRACK OF THE SLAVES STATES (ONLINE/OFFLINE)
- CAN ALSO DIRECTLY EXECUTE BUILD JOBS

Jenkins Agent/Slave

The Agent/slave is a part of the Jenkins environment that runs on a remote environment.
The characteristics of slaves include:
- it listens to the Master instance
- it's job is to do as they are told to, that includes executing build jobs conveyed by the Master

Jenkins