



User IDE

- Commits code to gitlab

Gitlab

- Behaves as SVN would.
- Allows Jenkins to poll and trigger builds.

Jenkins

- Triggers build based on deployment.
- Auto-packages contents to container.
- Unit tests before deploying as a live container.
- Pipeline from Dev to Prod with Jenkins Master/Workers.
- Promotion approval and deploys with new version accessible separately.
- Through promotion we command which build gets promoted to LIVE status after post-prod testing.

Traefik

- Example of dynamic docker LB/Port forwarder.
- Auto-detect and assign published ports for docker container.
- Web applications are not adversely affected.
- Traffic directed seamlessly to live built applications.
- Load balancer for all incoming traffic to better delegate across managers/workers.