

MPD Root Continuous Integration

Main software source code repository server. Contains main software source code.

It also contains CI scripts and container image configuration for building and testing purposes. This allows to alter the configuration of a build's dependencies without the developer having to directly access GitLab CI Runner service.

GitLab server software also provides web user interface for easy project management and code conflicts solving.

- Experiments hardware:
- Microsoft Azure VM
 - 20 Cores Intel Xeon CPU E5-2673 v3 @ 2.40GHz
 - 120GB RAM
 - 1TB SSD

Remote servers with GitLab Runner software installed. Each can run multiple jobs concurrently.

Open-source Docker containerization technology wraps up a piece of software in a complete filesystem that contains everything it needs to run: code, runtime, system tools, system libraries.

Runner creates separate Docker container for each CI task. This guarantees that every build is running in the same environment.

