GitLab - Cloud-Native CI

http://gitlab.com

GitLab is a web-based DevOps lifecycle tool that provides a Git-repository manager providing wiki, issue-tracking and CI/CD pipeline features, using an open-source license, developed by GitLab Inc.

Item	Description
Type of products	Git-repository hosting service Collaborative revision control
Headquarters	San Francisco, United States
Area served	World Wide
Founders	Sid Sijbrandij (CEO) Dmitriy Zaporozhets (CTO)
Employees	878
Launched	2011
Content License	Community Edition: MIT License Enterprise Edition: EE License (source-available commercial software)
Written in	Ruby, Go, and Vue.js

GitLab provides a complete DevOps platform for CI/CD toolchain out-of-the-box.

Manage	Plan	Create	Verify	Package	Secure	Release	Configure	Monitor	Defend
Since 2016 GitLab added:	**Since 2011** GitLab added:	**Since 2011** GitLab added:	**Since 2012** GitLab added:	**Since 2016** GitLab added:	**Since 2017** GitLab added:	**Since 2016** GitLab added:	**Since 2018** GitLab added:	**Since 2017** GitLab added:	**Since 2019** GitLab added:
Audit Management	Issue Tracking	Source Code Management	Continuous Integration (CI)	Package Registry	SAST	Continuous Delivery	Auto DevOps	Metrics	WAF
Authentication and Authorization	Kanban Boards	Code Review	Code Quality	Container Registry	DAST	Release Orchestration	Kubernetes Configuration	Logging	
DevOps Score	Time Tracking	Design Management	Unit Testing	Dependency Proxy	Secret Detection	Pages	ChatOps	Tracing	**On our roadmap:**
Value Stream Management	Epics	Wiki	Web Performance		Dependency Scanning	Review Apps	Runbooks	Cluster Monitoring	Threat Detection
	Roadmaps	Web IDE	Usability Testing		Container Scanning	Incremental Rollout	Serverless	Error Tracking	Vulnerability Management
	Service Desk	Snippets	**On our roadmap:**		License Compliance	Feature Flags	Infrastructure as Code	Incident Management	Container Network Security
			Integration Testing						RASP
On our roadmap:	**On our roadmap:**	**On our roadmap:**	Load Testing	**On our roadmap:**	**On our roadmap:**	**On our roadmap:**	**On our roadmap:**	**On our roadmap:**	UEBA
Code Analytics	Requirements Management	Static Site Editor	System Testing	Helm Chart Registry	IAST	Release Governance	Chaos Engineering	Synthetic Monitoring	Storage Security
Workflow Policies	Quality Management	Live Coding	Accessibility Testing	Dependency Firewall	Fuzzing	Secrets Management	Cluster Cost Optimization	Status Page	DLP
Functionally similar to COLLABNET VERSIONONE	Jira	Bitbucket			SYNOPSYS	urban{code}	RED HAT ANSIBLE Tower	splunk>	f5

GitLab is a complete DevOps platform, delivered as a single application.

Source: https://about.gitlab.com/

- SSH based code sync up with GitLab on Windows 11
- GitLab Project Title with a special character
- GitLab bash commands useful — While collaboration, you may need to pull, commit, and push in CLI. Followings are bash scripts I use in my system.
- Creating multiple GitLab merge requests in CLI. — Whenever I need to create multiple merge requests for Git, I use shell scripts in CLI.
- Apache settings when GitLab Web IDE does not work under proxypass environment
- Changing GitLab repository — In order to change the data directory, you need to add **git_data_dirs** in **/etc/gitlab/gitlab.rb**
- 502 - Whoops, GitLab is taking too much time to respond — If you face 502 error from gitlab server, it means that server is busy for doing something in most of cases. It might be associated with server performance.
- Install GitLab Community Edition on CentOS 7 — GitLab is an **open source repository manager** based on Rails developed by GitLab Inc. It is a web based git repository manager that allows your team collaborate on coding, testing and deploying applications. GitLab provides several features, including wikis, issue tracking, code reviews, and activity feeds. **GitLab Community Edition** is designed to **self-hosted and free**, but it does not provide technical supports. GitLab supports not only for CentOS but also other operating system as well.