Gogs vs GitLab

GitLab compared to other DevOps tools

Gogs is a light weight git server written in Go which is designed to be simple to set up and operate and can be run on just about anything. It is 100% open source under the MIT OSS license and provided only in self-managed form. Gogs offers repository file viewing and editing, project issue tracking, and a built-in wiki for project documentation.

FEATURES		

Built-in CI/CD

GitLab has built-in Continuous Integration/Continuous Delivery, for free, no need to install it separately. Use it to build, test, and deploy your website (GitLab Pages) or webapp. The job results are displayed on merge requests for easy access.

Learn more about CI/CD

Group Milestones

Create and manage milestones across projects, to work towards a target date from the group level. View all the issues for the milestone you're currently working on across multiple projects.

Learn more about Group Milestones

Runs with less memory and consumes less CPU power

Uses little memory, it runs fine with 512MB. Uses little CPU power since Go is a compiled language

Powerful Issue Tracker

Quickly set the status, assignee or milestone for multiple issues at the same time or easily filter them on any properties. See milestones and issues across projects.

Learn more about the Issue Tracker

Issue Boards

GitLab has Issue Boards, each list of an Issue Board is based on a label that exists in your issue tracker. The Issue Board will therefore match the state of your issue tracker in a user-friendly way.

Learn more about GitLab Issue Boards

Time tracking

Time Tracking in GitLab lets your team add estimates and record time spent on issues and merge requests.

Learn more about Time Tracking

Due dates for individual issues

In GitLab, you can set a due date for individual issues. This is very convenient if you have small tasks with a specific deadline.

Due dates documentation

Move issues between projects

You can move issues between projects in GitLab. All links, history and comments will be copied and the original issue will reference the newly moved issue. This makes working with multiple issue trackers much easier.

Learn more about moving issues between projects

Create new branches from issues

In GitLab, you can quickly create a new branch from an issue on the issue tracker. It will include the issue number and title automatically, making it easy to track which branch belongs to which issue.

See how in our documentation

Application performance monitoring

GitLab collects and displays performance metrics for deployed apps, leveraging Prometheus. Developers can determine the impact of a merge and keep an eye on their production systems, without leaving GitLab.

Learn more about monitoring deployed apps

Application performance alerts

GitLab allows engineers to seamlessly create service level indicator alerts and be notified of any desired events, all within the same workflow where they write their code.

Learn more about creating SLI alerts

Cycle Analytics

GitLab provides a dashboard that lets teams measure the time it takes to go from planning to monitoring. GitLab can provide this data because it has all the tools built-in: from the idea, to the CI, to code review, to deploy to production.

Learn more about Cycle Analytics

Create merge request from email

Create a merge request from email by sending in the merge request title, description, and source branch name.

Create merge request from email

Built-in Container Registry

GitLab Container Registry is a secure and private registry for Docker images. It allows for easy upload and download of images from GitLab CI. It is fully integrated with Git repository management.

Documentation on Container Registry

Preview your changes with Review Apps

With GitLab CI/CD you can create a new environment for each one of your branches, speeding up your development process. Spin up dynamic environments for your merge requests with the ability to preview your branch in a live environment.

Learn more about Review Apps

New features every month

GitLab is updated with new features and improvements every month on the 22nd.

One integrated tool

Other tools require the integration of multiple 3rd party tools to complete the software development lifecycle. GitLab has a completely integrated solution that covers the entire development lifecycle.

AD / LDAP integration

Sync groups, manage SSH-keys, manage permissions, authentication and more. You can manage an entire GitLab instance through the LDAP / AD integration.

More information about AD / LDAP integration

Remote repository push mirroring

Mirror a repository from your local server to elsewhere.

Learn more about repository push mirroring

Remote repository pull mirroring

Mirror a repository from a remote Git server to your local server, making it easy to keep local forks and replicas up to date.

Learn more about repository pull mirroring

Todos

When a user is mentioned in or assigned to a merge request it will be included in the user Todos, making the development workflow faster and easier to track.

Learn more about Todos

File Locking

Working with multiple people on the same file can be a risk. Conflicts when merging a non-text file are hard to overcome and will require a lot of manual work to resolve. With GitLab Enterprise Edition Premium, File Locking helps you avoid merge conflicts and better manage your binary files by preventing everyone, except you, from modifying a specific file or entire directory.

Learn more about File Locking

Support for High Availability

To avoid downtime, GitLab Enterprise Edition Premium offers support for High Availability (HA). A Service Engineer will help you identify your specific HA needs and map out an architecture.

Learn more about GitLab's High availability

Deploy Boards

GitLab Premium ships with Deploy Boards offering a consolidated view of the current health and status of each CI/CD environment running on Kubernetes. The status of each pod of your latest deployment is displayed seamlessly within GitLab without the need to access Kubernetes.

Learn more about Deploy Boards

Labels

Labels provide an easy way to categorize issues or merge requests based on descriptive titles as 'bug', or 'documentation'.

Learn more about GitLab Labels

Automatically close issue(s) when a merge request is merged

With GitLab, you can use specific keywords to close one or more issues as soon as a merge request is merged.

Learn more about automatically closing issues

Work in Progress merge requests (WIP)

Prevent merge requests from accidentally being accepted before they're completely ready by marking them as Work In Progress (WIP). This gives you all the code review power of merge requests, while protecting unfinished work.

Learn more about WIP MRs

Git LFS 2.0 support

Manage large files such as audio, video and graphics files with the help of Git LFS. Git LFS 2.0 file locking support helps large teams work with binary assets and is integrated with our native file locking feature.

Learn more about Git LFS support in GitLab

View Kubernetes pod logs

Quickly and easily view the pod logs of an app deployed to Kubernetes.

Learn more about viewing Kubernetes pod logs

Maven Repository

GitLab's Maven repository makes it easier to publish and share Java libraries across an organization, and ensure dependencies are managed correctly. It is fully integrated with GitLab, including authentication and authorization.

Documentation on the Maven Repository