

GitLab vs. GitHub

GitLab compared to other tools



GitLab is the next-generation development toolset that covers 100% of your software development lifecycle.

GitLab unifies chat, issues, code review, CI, CD, and cycle analytics into a single UI. Unlike other source code management tools that only support a portion of your development lifecycle, GitLab delivers a unified experience for every step of the development lifecycle providing the most efficient approach to software delivery. So no matter what line of business you're in, GitLab gives you the edge to compete, innovate, and win.

Built-in Continuous Integration tool

Easy-to-set up, performant, stable and elegant continuous integration with every GitLab installation.

[Learn about the benefits of our CI tool](#)

Docker Registry support

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](#)

Lock Files

File locking in GitLab Enterprise Edition allows you to lock any file or directory. This ensures that no one will work on or overwrite work that can't be merged easily, for instance when working with art assets or other non-text files.

[File locking is available as an Enterprise Edition Product.](#)

[Read the File Locking documentation](#)

More value with everything you need in one solution

To replace GitLab, you'd need a combination of Bitbucket server, JIRA, Confluence, and Bamboo.

Great user interface

GitLab has a really nice user interface that your team will love, and also enjoy working with.

Integrated issue tracking

GitLab includes an issue tracker which you can link to any merge request.

[Issue Tracker](#)

Better activity feed and visualization

Collaborative activity feed to help everyone understand what is happening in a project and graphical view of the commit history.

[See Our Activity Feed](#)

Full, powerful search

Search through all your code, issues, wikis, commits, groups and projects. Built into GitLab.

No need to manage licenses

GitLab EE needs a license, but doesn't require any validation or separate licenses for separate servers. With BitBucket Server (Data Center), licenses are linked to servers, requiring management of licenses over servers. You can deploy 100 instances of GitLab EE for the same price as a single instance. You only pay for the total amount of users, not for how you choose to manage and scale the software.

Easy configuration

GitLab can be easily configured through ENV variables and YAML files. This makes maintaining, upgrading and deploying GitLab easy to automate. BitBucket Server requires extensive manual configuration.

Training

GitLab offers training workshops to help

organizations implement Git and GitLab quickly.

[GitLab Training homepage](#)