

# GitLab vs Bitbucket

## Decision Kit

Download Comparison



					Missing in Bitbucket	
	Manage	5.5/8		1/8		<ul style="list-style-type: none"> <li>Subgroups</li> <li>Audit Events</li> <li>Audit Reports</li> <li>Compliance Management</li> <li>Code Analytics</li> <li>DevOps Reports</li> <li>Value Stream Management</li> <li>Insights</li> </ul>
	Plan	6/8		1/8		<ul style="list-style-type: none"> <li>Issue Tracking</li> <li>Kanban Boards</li> <li>Time Tracking</li> <li>Epics</li> <li>Roadmaps</li> <li>Service Desk</li> <li>Requirements Management</li> <li>Quality Management</li> </ul>
	Create	7.5/8		5/8		<ul style="list-style-type: none"> <li>Source Code Management</li> <li>Code Review</li> <li>Wiki</li> <li>Static Site Editor</li> <li>Web IDE</li> <li>Live Preview</li> <li>Snippets</li> <li>Design Management</li> </ul>
	Verify	6/8		1/8		<ul style="list-style-type: none"> <li>Continuous Integration</li> <li>Code Quality</li> <li>Code Testing and Coverage</li> <li>Load Testing</li> <li>Web Performance</li> <li>Usability Testing</li> <li>Accessibility Testing</li> <li>Merge Trains</li> </ul>
	Package	4.5/6		1/7		<ul style="list-style-type: none"> <li>Package Registry</li> <li>Container Registry</li> <li> Helm Chart Registry</li> <li>Dependency Proxy</li> <li>Jupyter Notebooks</li> <li>Git LFS</li> <li>Dependency Firewall</li> </ul>
	Secure	7/8				<ul style="list-style-type: none"> <li>SAST</li> <li>DAST</li> <li>Fuzz Testing</li> <li>Dependency Scanning</li> <li>Container Scanning</li> <li>License Compliance</li> <li>Secret Detection</li> <li>Vulnerability Management</li> </ul>
	Release	7/8		1/8		<ul style="list-style-type: none"> <li>Continuous Delivery</li> <li>Pages</li> <li>Review Apps</li> <li>Advanced Deployments</li> <li>Feature Flags</li> <li>Release Orchestration</li> <li>Release Evidence</li> <li>Secrets Management</li> </ul>
	Configure	4.5/7				<ul style="list-style-type: none"> <li>Auto DevOps</li> <li>Kubernetes Configuration</li> <li>ChatOps</li> <li>Runbooks</li> <li>Serverless</li> <li>Infrastructure as Code</li> <li>Cluster Cost Optimization</li> </ul>
	Monitor	5/8				<ul style="list-style-type: none"> <li>Metrics</li> <li>Alert Management</li> <li>Incident Management</li> <li>Logging</li> <li>Tracing</li> <li>Error Tracking</li> <li>Product Analytics</li> <li>Synthetic Monitoring</li> </ul>
	Defend	1.5/3				<ul style="list-style-type: none"> <li>Web Application Firewall</li> <li>Container Host Security</li> <li>Container Network Security</li> </ul>

## The Decision Kit

Additional comparisons and detailed information on both products



View Decision Kit

## The GitLab Advantage

Complete DevSecOps platform delivered as a single application.



### Single Application

One interface, one user-model, one data model, easy to use.



### Built-in Security

Shift left: security testing at the point of code commit.

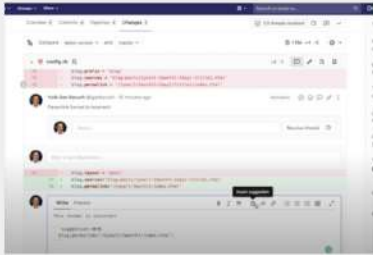


### Rapid Innovation

Uniquely transparent product development process. Customers, partners and community can also contribute.

## GitLab in Action

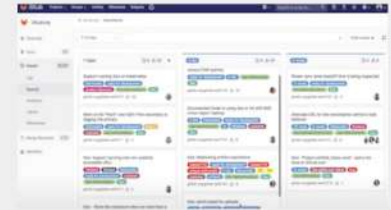
Short live demos that get right to the point.



GitLab CI for Visibility and Collaboration



Foster Collaboration



Benefits of a Single App

## Join us on a webinar

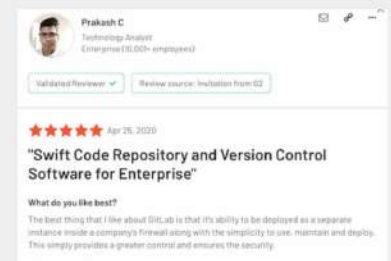
T-Mobile Customer Spotlight

[Register now](#)

Learn How T-Mobile is Transforming its Business with GitLab on its DevOps Journey.

## 5 star peer reviews on G2

Reviews by users across a broad spectrum of companies.



## Case Studies



26x faster release cycles

Build times reduced to 20 mins from 6 hrs

European Space Agency  
60k+ jobs in first year of using GitLab CI

If you want to speed up the delivery cycle, you need to simplify your ecosystem. And

"GitLab is vastly outpacing SCM competitors such as Bitbucket."

"Our team develops software, and we are also flying spacecraft."

## Feature Comparison



### FEATURES

#### Free CI/CD with shared or personal Runners

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab.com has shared Runners that allow you to use GitLab CI/CD completely free up to 400 build minutes for private projects and 50000 minutes for public projects. Alternatively, you can set up your own Runner for faster build processing, unlimited build minutes, or special requirements.

[Explore GitLab.com offerings](#)



#### Built-in CI/CD

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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](#)



#### Innersourcing

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Internal projects in GitLab allow you to promote innersourcing of your internal repositories.

[Find out more about innersourcing](#)



#### Commit graph and reporting tools

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab provides commit graphs and reporting tools about collaborators' work.

[Learn more about commit graphs](#)



#### Availability

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab.com is at 99.5% availability while we want to be above 99.95%. We're hiring to improve this in the last two months of 2017 and in 2018.

[GitLab.com status](#)



#### The most comprehensive import feature set

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab can import projects and issues from more sources (GitHub, Bitbucket, Google Code, FogBugz, Gitea and from any Git URL) than GitHub or any other VCS. We even have you covered for your move from SVN to Git with comprehensive guides and documentation.

[Making it easier to get up and running with GitLab](#)



#### Issues

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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](#)



### Milestones



Create and manage milestones at both the project and group levels, viewing all the issues for the milestone you're currently working on, representing an Agile program increment or a release.



[Learn more about Milestones](#)

### Iterations



Create and manage iterations at the group level, view all the issues for the iteration you're currently working on within your group or project, and enable all subgroups and projects to stay in sync on the same cadence.



[Learn more about Iterations](#)

### Confidential Issues



Keep your information secure with Confidential Issues. With GitLab, you can create confidential issues visible only for project members with Reporter access level or above.



[Learn more about Confidential Issues](#)

### Issue Dependencies



Explicitly mark issues as blocked and blocking and track their status. Blocked issues are visible in the issue card view for easy identification.



[Learn more about Issue Dependencies](#)

### Related Issues



Mark issues as related to one another.



[Learn more about Related Issues](#)

### Move Issue to Another Project



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](#)

### Mark Issue as Duplicate



Mark an issue as a duplicate of another issue, closing it.



[Learn more about marking duplicate issues](#)

### Quick Actions



GitLab provides a convenient way to change metadata of an issue or merge request without leaving the comment field with quick actions.



[Documentation about quick actions](#)

### Rich Object Summary on Link Hover



View an information-rich summary by hovering over links to users, issues, merge requests, and other objects in GitLab.



[See the epic that implements this](#)

[Create GitLab Branch from Jira Development Panel](#)

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Create a GitLab branch from within the development panel of a JIRA issue.

[See issue](#)

#### Create GitLab Merge Request from Jira Development Panel

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Create a GitLab merge request from within the development panel of a JIRA issue.

[See issue](#)

#### Project Issue Board

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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

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

[Learn more about Time Tracking](#)

#### Required Merge Request Approvals

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FREE	BRONZE	SILVER	GOLD



When a project needs multiple sign-offs, you can require every merge request to be approved before merging. With Required Merge Request Approvals you can set the number of necessary approvals and predefine a list of specific approvers. In turn, guarantee the quality and the standards of your code.

[Learn more about merge request approvals](#)

#### Multiple approvers in code review

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FREE	BRONZE	SILVER	GOLD



In GitLab, to ensure strict code review, you can require a minimum number of users to approve of a merge request before it is able to be merged. You can undo an approval by removing it after the fact.

[Approvals Documentation](#)

#### Approval rules for code review

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Make sure the right people review merge requests with approval rules by specifying lists of eligible approvers, the minimum number of approvals for each, and which target branches they protect. This makes it easy to request review from different teams like Engineering, UX and Product.

[Approvals Documentation](#)

#### Repository pull mirroring

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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](#)

#### Optional Merge Request Approvals

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Code review is an essential practice of every successful project, and giving your approval once a merge request is in good shape is an important part of the review process, as it clearly communicates the ability to merge the change.

[Learn more about optional merge request approvals](#)

#### Wiki based project documentation

CORE	STARTER	PREMIUM	ULTIMATE
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CORE STARTER PREMIUM ULTIMATE  
FREE BRONZE SILVER GOLD

A separate system for documentation called Wiki, is built right into each GitLab project. Every Wiki is a separate Git repository.



[Learn more about GitLab Wikis](#)

### Design Management

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Design Management allows users to upload design assets (such as wireframes and mockups) to GitLab Issues and keep them stored in one single place, giving product designers, managers, and engineers a seamless way to collaborate on design proposals. They can be easily uploaded and are stored in versions. You can start a thread by clicking on the image on the exact location you would like the discussion to be focused on.



[Documentation](#)

### GitLab-Figma Plugin

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Our Figma plugin allows you to upload Figma frames and components to GitLab issues.



[Documentation](#)

### Create new branches from issues

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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](#)

### Allow edits from upstream maintainers in a fork

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When a user opens a merge request from a fork, they are given the option to allow upstream maintainers to collaborate with them on the source branch. This allows the maintainers of the upstream project to make small fixes or rebase branches before merging, reducing the back and forth of accepting community contributions.



### Application performance monitoring

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FREE BRONZE SILVER GOLD

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

CORE STARTER PREMIUM ULTIMATE  
FREE BRONZE SILVER GOLD

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](#)

### GitLab Self-monitoring

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GitLab comes out of the box enabled for Prometheus monitoring with extensive instrumentation, making it easy to ensure your GitLab deployment is responsive and healthy.



[Learn more about GitLab self-monitoring](#)

### Project Level Value Stream Analytics

CORE STARTER PREMIUM ULTIMATE  
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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 Value Stream Analytics](#)

### Group Level Value Stream Analytics

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab provides a group 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 Value Stream Analytics](#)

### Built-in Container Registry

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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. (Codefresh will be ending their support for private docker registries as of May 1, 2020)



[Documentation on Container Registry](#)

### Preview your changes with Review Apps

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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. Review Apps support both static and dynamic URLs.



[Learn more about Review Apps](#)

### Environments Auto-stop

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

This feature allows users to configure an optional expiration date which can be set for review app environments.



[Learn more about Environments auto-stop](#)

### New features every month

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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



### One integrated tool

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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.



### IPv6 ready

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Both GitLab.com and GitLab Self-manages support IPv6.



[Read the docs on configuring IPv6](#)

### AD / LDAP integration

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

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](#)

### Multiple LDAP / AD server support

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Link multiple LDAP servers to GitLab for authentication and authorization



[Advanced LDAP configuration](#)

### Access to and ability to modify source code

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab is publicly readable, meaning you can scan or modify the code to meet your security and development needs. The code used by most other providers is proprietary, meaning you cannot edit or view the source code.



[Read the GitLab license.](#)

#### Search files with fuzzy file finder



GitLab provides a way to search a file in your repository in one keystroke.

[Read about the file finder in our documentation](#)

#### Advanced Search



Leverage Elasticsearch for faster, more advanced code search across your entire GitLab instance.

[Learn more about Advanced Search](#)

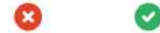
#### Fast-forward merge with option to rebase



With this setting at the project level, you can ensure that no merge commits are created and all merges are fast-forwarded. When a fast-forward merge is not possible, the user is given the option to rebase.

[Learn more about rebase before merge](#)

#### Remote repository push mirroring



Mirror a repository from your local server to elsewhere. Push mirroring is supported via HTTP and SSH using password authentication, and using public-key authentication with SSH.

[Learn more about repository push mirroring](#)

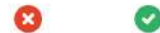
#### Disaster Recovery



Fail over in minutes to another data-center.

[Learn more about Disaster Recovery](#)

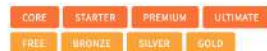
#### Granular user roles and flexible permissions



Manage access and permissions with five different user roles and settings for external users. Set permissions according to people's role, rather than either read or write access to a repository. Don't share the source code with people that only need access to the issue tracker.

[Learn more about User Roles](#)

#### Projects



Organize your repository into private, internal, or public projects.

[Learn more about Projects](#)

#### Merge Requests



Create merge requests and @mention team members to review and safely merge your changes.

[Learn more about merge requests](#)

#### Reject unsigned commits



GitLab Premium allows you to enforce GPG signatures by rejecting unsigned commits.

[Read more about enforcing push rules](#)



### Verified Committer



Verify that a push only contains commits by the same user performing the push.

In development for GitLab. Follow this link for more information.

### Based on Git, a distributed VCS



Git, on which GitLab is built, is fully distributed. Every user has a complete copy of the repository, allowing for much faster access to history, easier branching and an overall better experience.

Get started with Git

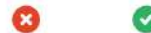
### Protected branches



Granular permissions for branches you want to protect.

Read about protected branches

### Web IDE



Contribute to projects faster by using the Web IDE to avoid context switching in your local development environment. The Web IDE is integrated with merge requests and GitLab CI so that you can resolve feedback, fix failing tests and preview changes live with client side evaluation without leaving the Web IDE.

Learn more about the Web IDE

### Live Preview in the Web IDE



Preview changes as you make them to your JavaScript and static HTML projects with Live Preview in the Web IDE.

Learn more about the Web IDE

### Web Terminal for Web IDE



Interact with your code in a Web Terminal in the Web IDE to inspect API responses, experiment in a REPL, or compile your code.

Learn more about the Web IDE Web Terminal

### File Syncing to Web Terminal



Changes made in the Web IDE will now be synced to the Web Terminal. User changes made in the Web IDE can now be tested within the Web Terminal before committing them to the project.

Learn more about File Syncing to Web Terminal

### EditorConfig in the Web IDE



The Web IDE supports the use of `.editorconfig` files in projects for standardizing coding style of all users working on the project. This helps to easily keep consistency and quality throughout the project.

Learn more about configuring the Web IDE

### Paste images in Markdown in the Web IDE



When editing Markdown files in the Web IDE you can now paste images into the content so that they'll be automatically uploaded and referenced in the content.

Learn more about Markdown editing in the Web IDE

### Real-time feedback for `.gitlab-ci.yml` in Web IDE



CORE STARTER PREMIUM ULTIMATE  
FREE BRONZE SILVER GOLD

To make it easier to configure your GitLab CI pipeline, the Web IDE now provides real-time linting and completion when editing `.gitlab-ci.yml` files.



[Learn more about .gitlab-ci.yml editing feedback in the Web IDE](#)

#### Inline commenting and discussion resolution

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Code or text review is faster and more effective with inline comments in merge requests. Leave comments and resolve discussions on specific lines of code. In GitLab, Merge Request inline comments are interpreted as a discussion and can be left on any line, changed or unchanged. You can configure your project to only accept merge requests when all discussions are resolved.



[Learn more about resolving discussions](#)

#### Cherry-picking changes

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Cherry-pick any commit in the UI by simply clicking the Cherry-Pick button in a merged merge request or a specific commit.



[Learn more about cherry picking merge requests](#)

#### Activity Stream

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View a list of the latest commits, merges, comments, and team members on your project.



[Learn more about the Activity Stream](#)

#### GPG Signed Commits

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Sign commits and prove that a commit was performed by a certain user.



[Read more about GPG signed commits](#)

#### Subgroups: groups within groups

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Create groups within groups to easily manage large numbers of people and projects.



[Learn more about Subgroups](#)

#### Object storage for LFS

CORE STARTER PREMIUM ULTIMATE  
FREE BRONZE SILVER GOLD

LFS files can be stored on Object Storage (Amazon S3)



[Learn how to store artifacts on object storage](#)

#### Globally distributed cloning with GitLab Geo

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When development teams are spread across two or more geographical locations, but their GitLab instance is in a single location, fetching and cloning large repositories can take a long time. Built for distributed teams, GitLab Geo allows for read-only mirrors of your GitLab instance, reducing the time it takes to clone and fetch large repos and improving your collaboration process.



[Learn more about GitLab Geo](#)

#### Support for Scaled GitLab

CORE STARTER PREMIUM ULTIMATE  
FREE BRONZE SILVER GOLD

GitLab Premium includes support for scaling GitLab services across multiple nodes to manage demands on your system and provide redundancy. GitLab has developed reference architectures so you can easily determine the optimal architecture for your needs.



[Learn more about scaling GitLab](#)

#### Deploy Boards

CORE STARTER PREMIUM ULTIMATE

	FREE	BRONZE	SILVER	GOLD		
<p>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.</p> <p><a href="#">Learn more about Deploy Boards</a></p>					✗	✓
<p><b>You decide when you upgrade</b></p> <p>GitLab releases a new version each month and lets you choose when to upgrade.</p> <p><a href="#">Learn how to upgrade your GitLab instance</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	✗	✓
<p><b>Easy upgrade process</b></p> <p>Using our official Linux repositories or the official Docker image, upgrading GitLab is a breeze.</p> <p><a href="#">Learn how to upgrade your GitLab instance</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	✗	✓
<p><b>Automatically close issue(s) when a merge request is merged</b></p> <p>With GitLab, you can use specific keywords to close one or more issues as soon as a merge request is merged.</p> <p><a href="#">Learn more about automatically closing issues</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	✓	✓
<p><b>Work in Progress merge requests (WIP)</b></p> <p>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.</p> <p><a href="#">Learn more about WIP MRs</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	✗	✓
<p><b>Custom Git Hooks</b></p> <p>Leverage the power of Git Hooks and chain them together to fire off custom scripts when certain actions occur on the repository. If the commit is declined or an error occurs during the Git hook check, the error message of the hook will be present in GitLab's UI. GitLab supports all types of hooks.</p> <p><a href="#">Learn how to use Git Hooks with GitLab</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	—	✓
<p><b>Responsive-first design</b></p> <p>GitLab is built with a responsive-first design approach. Be it on a desktop, tablet or smartphone, GitLab is optimized to be viewed for the best result.</p>	CORE	STARTER	PREMIUM	ULTIMATE	—	✓
<p><b>Community based, users can help shape the product</b></p> <p>GitLab has open issue trackers for almost all of its operations. From GitLab itself to infrastructure and marketing, you can help shape the product.</p> <p><a href="#">View all GitLab contributors</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	—	✓
<p><b>Git LFS 2.0 support</b></p> <p>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.</p> <p><a href="#">Learn more about Git LFS support in GitLab</a></p>	CORE	STARTER	PREMIUM	ULTIMATE	✓	✓
<p><b>Create projects with Git push</b></p>	CORE	STARTER	PREMIUM	ULTIMATE	✗	✓

Push new projects to the desired location and a new private project will automatically be created.

[Learn more about creating Projects](#)

#### SAML SSO for Groups

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Connect a group in GitLab to a SAML identity provider to manage authentication.

[Learn more about LDAP group synchronization](#)

#### View Kubernetes pod logs

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

The monitoring of servers, application, network and security devices via generated log files to identify errors and problems for analysis. GitLab makes it easy to view the logs of running pods in connected Kubernetes clusters. By displaying the logs directly in GitLab, developers can avoid having to manage console tools or jump to a different interface.

[Learn more about viewing Kubernetes pod logs](#)

#### Restrict access by IP address

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Restrict access at the group level to incoming traffic adhering to an IP address subnet, keeping your code secure.

[Learn more about restricting access by IP address](#)

#### Enforced Two-factor Authentication (2FA)

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Two-factor authentication secures your account by requiring a second confirmation, in addition to your password. That second step means your account stays secure even if your password is compromised. The ability to enforce 2FA provides further security by making sure all users are using it.

[Learn more about Enforced GitLab 2FA](#)

#### Git protocol v2 support

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Git's wire protocol defines how clones, fetches and pushes are communicated between the client and server. Git protocol v2 improves performance of fetch commands and enables future protocol improvements.

[Learn more about Git protocol v2](#)

#### Works with multiple repository types

CORE	STARTER	PREMIUM	ULTIMATE
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Supports more than one repository type, such as Git, Subversion, Perforce, CVS, Mercurial.

[Learn about migrating from other SCMs](#)

#### Partial Clone

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

Partial Clone is an optimization for very large repositories.

[Learn more about Partial Clone](#)

#### S/MIME Signed Commits

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Sign commits and prove that a commit was performed by a certain user.

[Read more about S/MIME signed commits](#)



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