

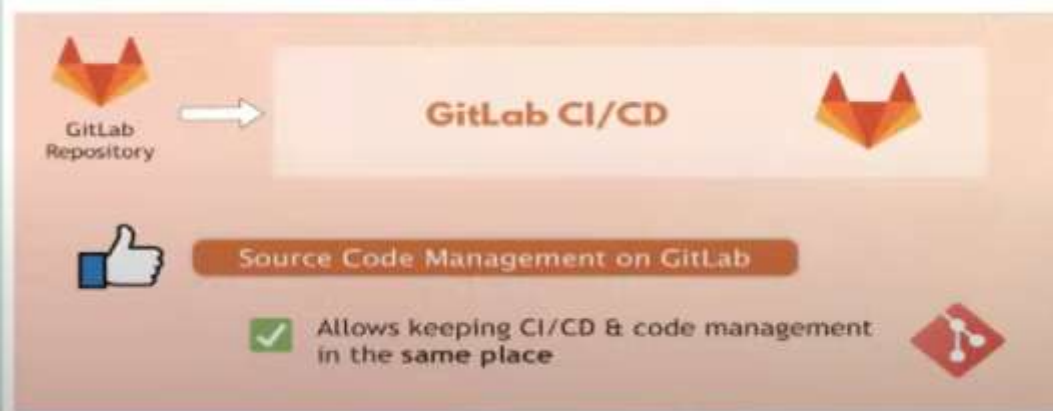


FEATURE	GITLAB	JENKINS
Version Control	Git	N/A (requires integration with a separate VCS tool).
Continuous Integration	Yes, built-in.	Yes, built-in.
Continuous Delivery	Yes, built-in.	Requires plugins or scripting.
Security	Built-in security features.	Requires plugins or scripting.
Code Review	Built-in code review features.	Requires plugins or scripting.
Performance	Generally faster due to built-in Git repository	May require additional resources for performance
Scalability	Scales well for small to medium-sized teams.	Scales well for large teams.
Cost	Free for self-hosted and cloud-hosted versions.	Free for self-hosted and has a cost for cloud-hosted.
Community	Active open-source community and enterprise support.	Active open-source community and enterprise

Many CI/CD platforms

Of course there are many CI/CD tools, one of the most used ones in the industry still being Jenkins. And Gitlab CI/CD is just one of those other CI/CD platforms

All of them have their advantages and disadvantages. But a big advantage of using Gitlab to build CI/CD pipelines for your applications is that you already have your code on Gitlab, so this is an extension of your software development processes in your team, where you can also build CI/CD pipelines on the same platform:



How do we create a Gitlab CI/CD pipeline?

In the **root of the project's repository**, we're going to create this YAML file and we're going to write all the pipeline configuration inside this configuration has to be called **.gitlab-ci.yml**

