

Gitlab Runner with k8s

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Who am I?

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Agenda

- **What is GitLab?**
- **GitLab Runner?**
- **Shared VS Private?**
- **Installation GitLab Runner with Helm**
- **Summary**

What is GitLab?

GitLab is an open source code repository and collaborative software development platform for large DevOps and DevSecOps projects. GitLab is free for individuals.



GitLab Runner?

GitLab Runner is an application that works with GitLab CI/CD to run jobs in a pipeline.



Install GitLab Runner?

GitLab Runner can be installed and used on GNU/Linux, macOS, FreeBSD, and Windows. You can install it:

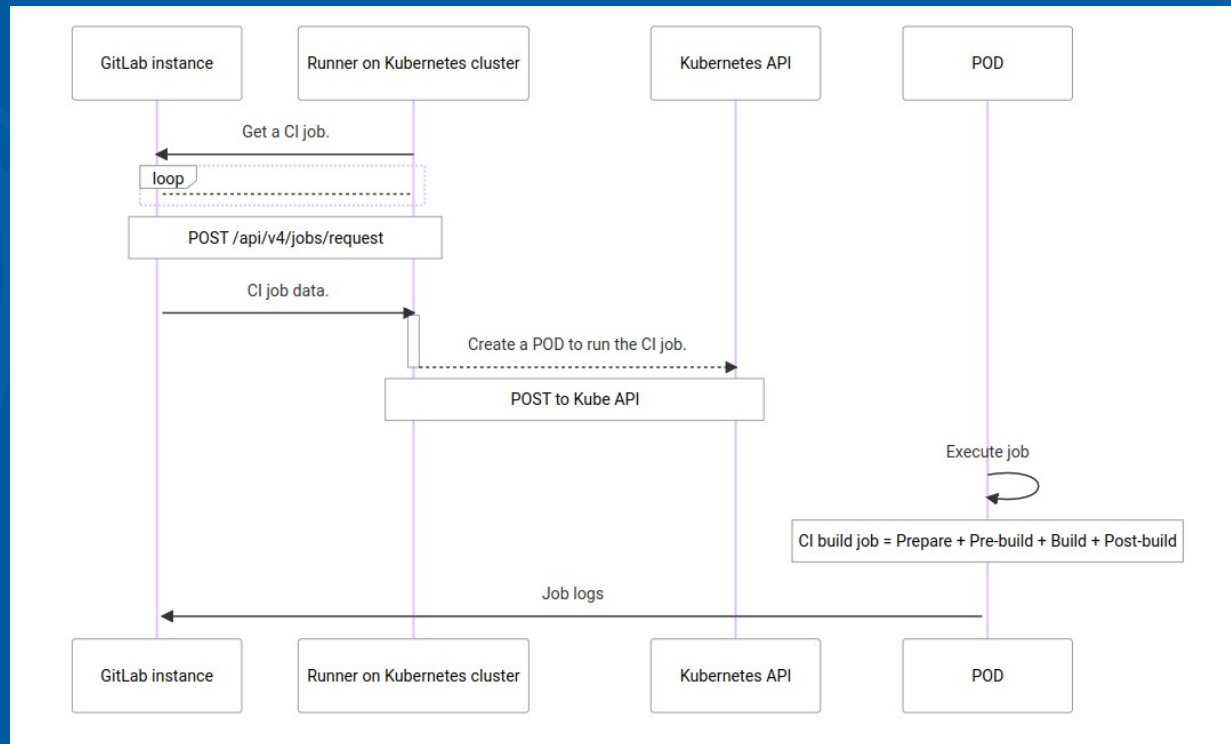
- In a container.
- By downloading a binary manually.
- By using a repository for rpm/deb packages.



GitLab Runner Architecture



GitLab Runner Interaction Diagram on Kubernetes



Shared VS Private

Shared :

- 400 Minutes/month
- Random server Spec
- You buy a service

Private :

- Unlimited Minutes
- Choose your specification
- You buy a resource

Install GitLab Runner on K8s with Helm

What is Helm?

Helm helps you manage Kubernetes applications — Helm Charts help you define, install, and upgrade even the most complex Kubernetes application.



Install GitLab Runner with Helm

- Add repo GitLab
`helm repo add gitlab https://charts.gitlab.io`
- Get values gitlab-runner from repo
`helm show values gitlab/gitlab-runner > values-gitlab-runner.yaml`
- Change value for you need
- Install
`helm install -n gitlab-runner gitlab-runner -f values-gitlab-runner.yaml gitlab/gitlab-runner`

Values yaml GitLab runner

Demo

Sources

- <https://docs.gitlab.com/runner/executors/kubernetes.html>
- <https://docs.gitlab.com/runner/>

Summary

If You have a lot money. Please don't waste money!

Save your money



Thank you



<https://www.ilc.opensuse.id>