Contributing to kubernetes

kubernetes

Who am I?

Senior Software Engineer at Gojek

Organizer at Kubernetes & Cloud Native Meetups in Jakarta and Bandung
https://www.meetup.com/jakarta-kubernetes/
https://www.meetup.com/Microservice-JKT/
https://www.meetup.com/Kubernetes-and-Cloud-Native-Bandung/

Kubernetes Maintainer
https://kubernetes.io/

CNCF Ambassador
https://cncf.io

Google Developer Expert

You can find me at **@girikuncoro**

kubernetes

Today's Tutors

- Joshua Bezaleel **(@joshuabezaleel)**

- Zufar Dhiyaulhaq **(@zufardhiyaulhaq)**

kubernetes

Cloud Native Computing Foundation

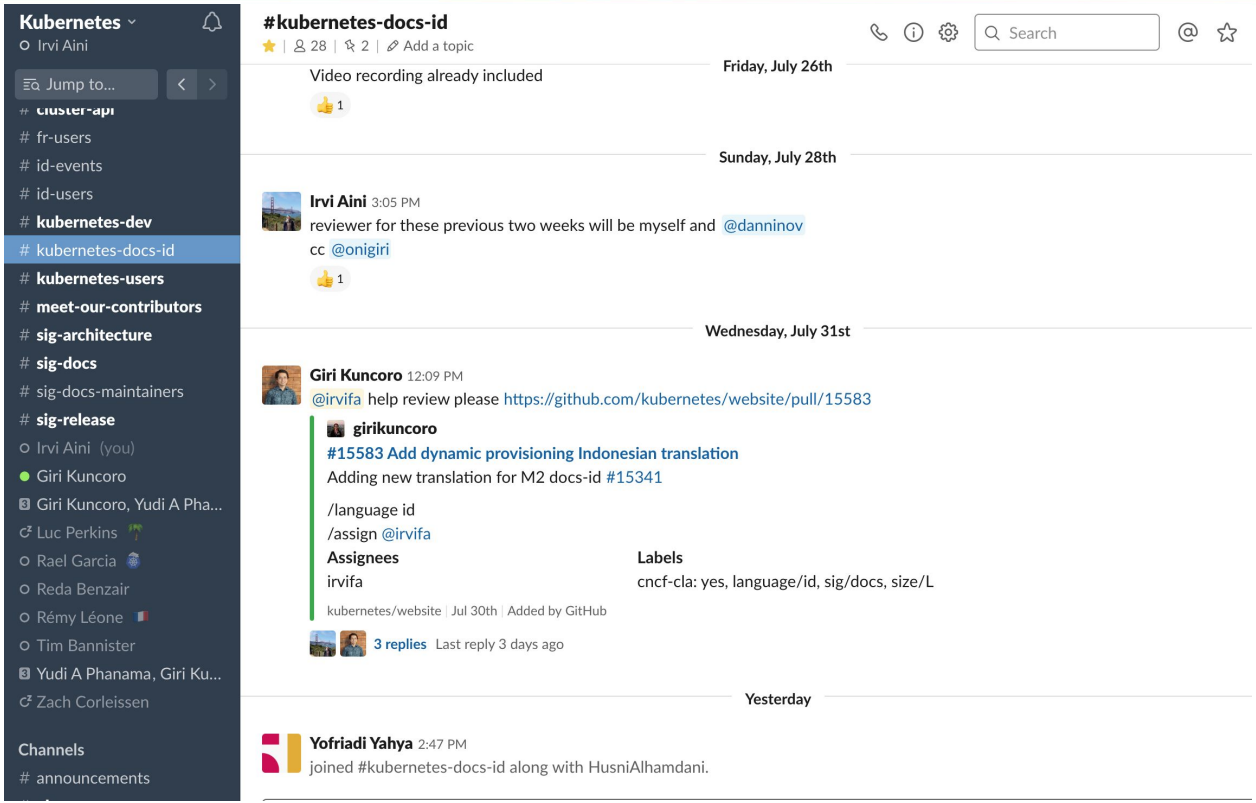
Source: [CNCF Overview]

Contributing is Not only about code

It is about helping a community

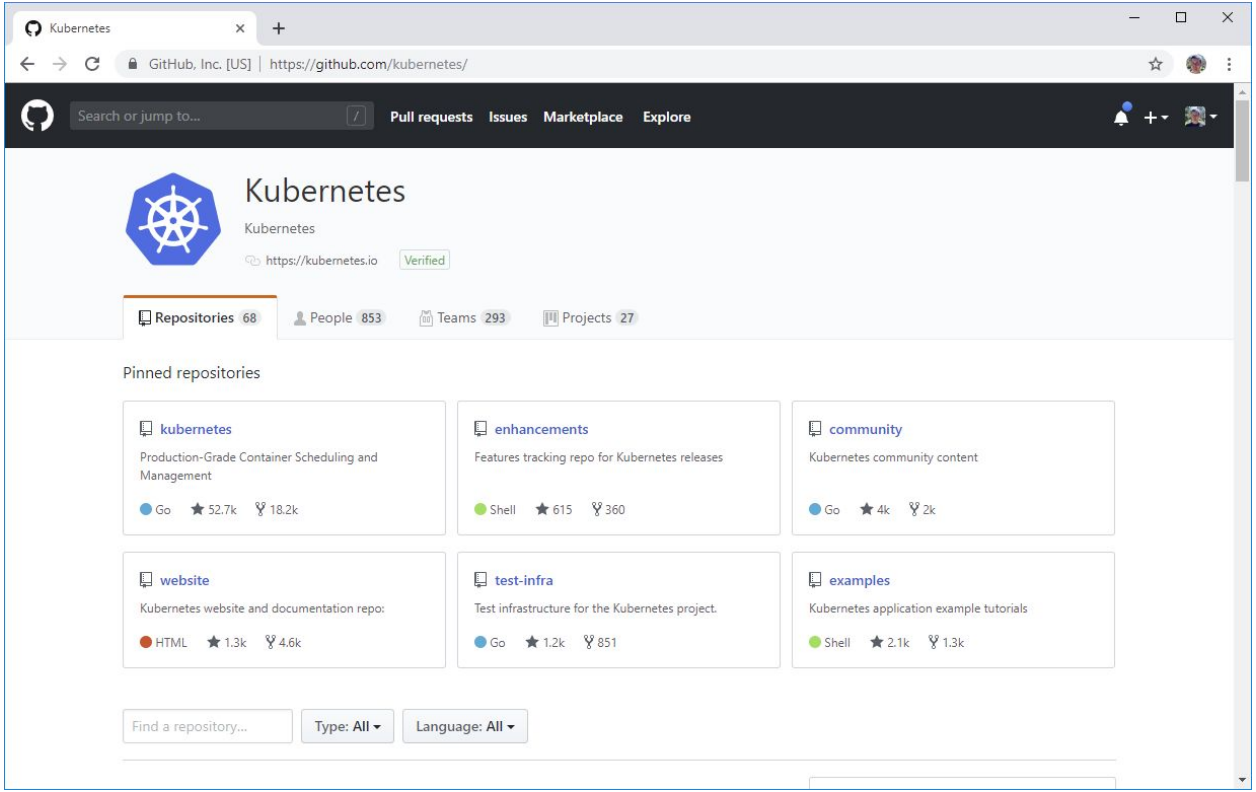
Community

slack.kubernetes.io



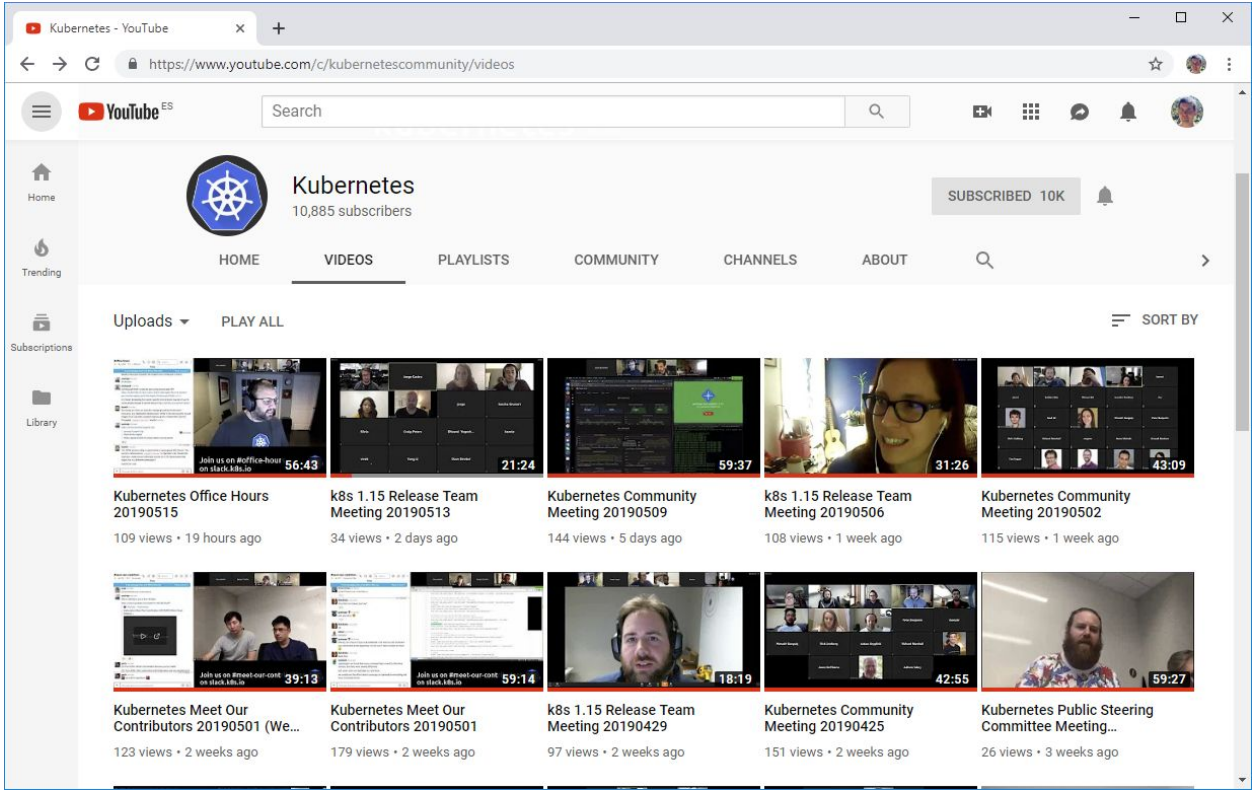
kubernetes

git.k8s.io



kubernetes

youtube.com/c/kubernetescommunity



kubernetes

Contributing

Governance

SIGs **Special Interest Groups**

Persistent open groups that focus on a part of the project.

WGs **Working Groups**

Temporary groups that are formed to address issues that cross SIG boundaries.

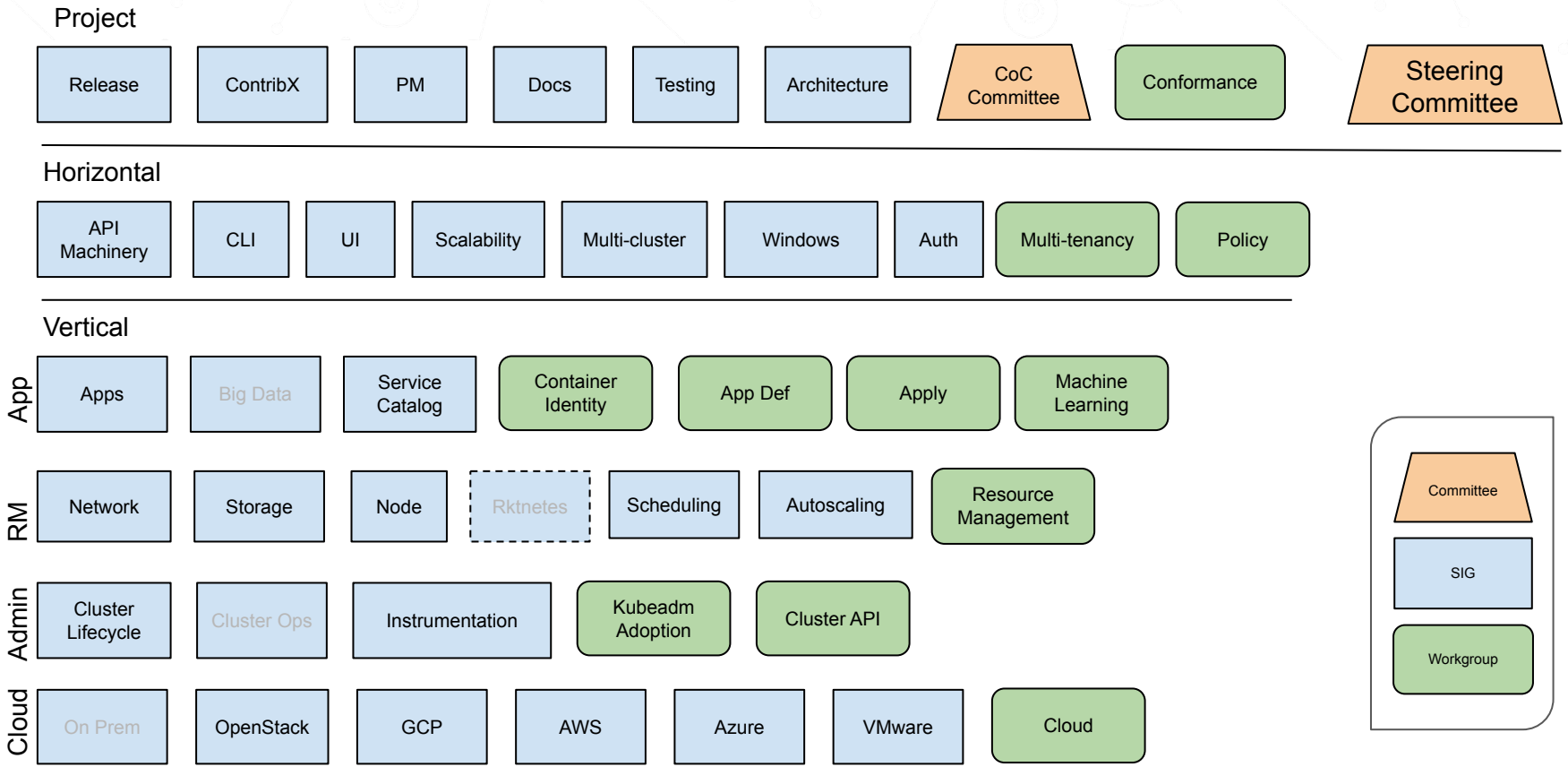
UGs **User Groups**

Groups for facilitating communication and discovery of information

Committees

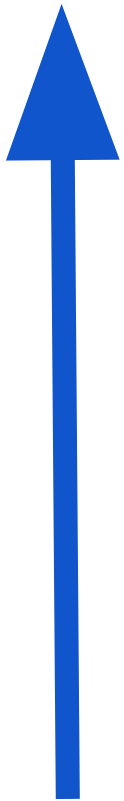
Sets of people that are chartered to take on sensitive topics.

https://git.k8s.io/community/governance.md



https://git.k8s.io/community/sig-list.md

Contributor Ladder



Subproject Owner

Set priorities and approve proposals for subproject
Responsibility and leadership for entire repository/directory

Approver

Approve contributions for acceptance
Highly experienced reviewer and contributor in subproject

Reviewer

History of reviewing; reviews frequently
Authorship in subproject

Member

Active contributor to the project
Sponsored by two Reviewers

Non-member Contributors

kubernetes

Choose what to work on

Look in the Contributor Role Board

https://discuss.kubernetes.io/c/contributors/role-board

Related to your job or topics of your interest

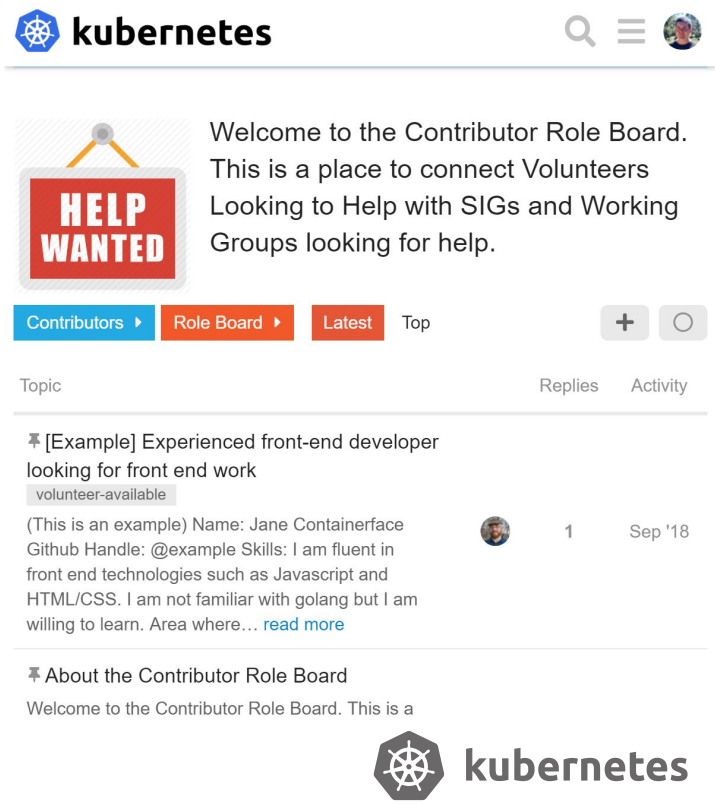
https://git.k8s.io/community/sig-list.md

Write code in the language you are comfortable with

https://github.com/kubernetes-client

Non-code contributions

https://git.k8s.io/community/contributors/guide/non-code-contributions.md



kubernetes

Lurk Around

✓ Ok to feel intimidated!

✓ Start small!

Get an idea of:

- **Who** is working on what
- What **tasks** are being worked on
- What's on the **roadmap**

@TheNikhita

Look for issues

Check the labels of your SIG

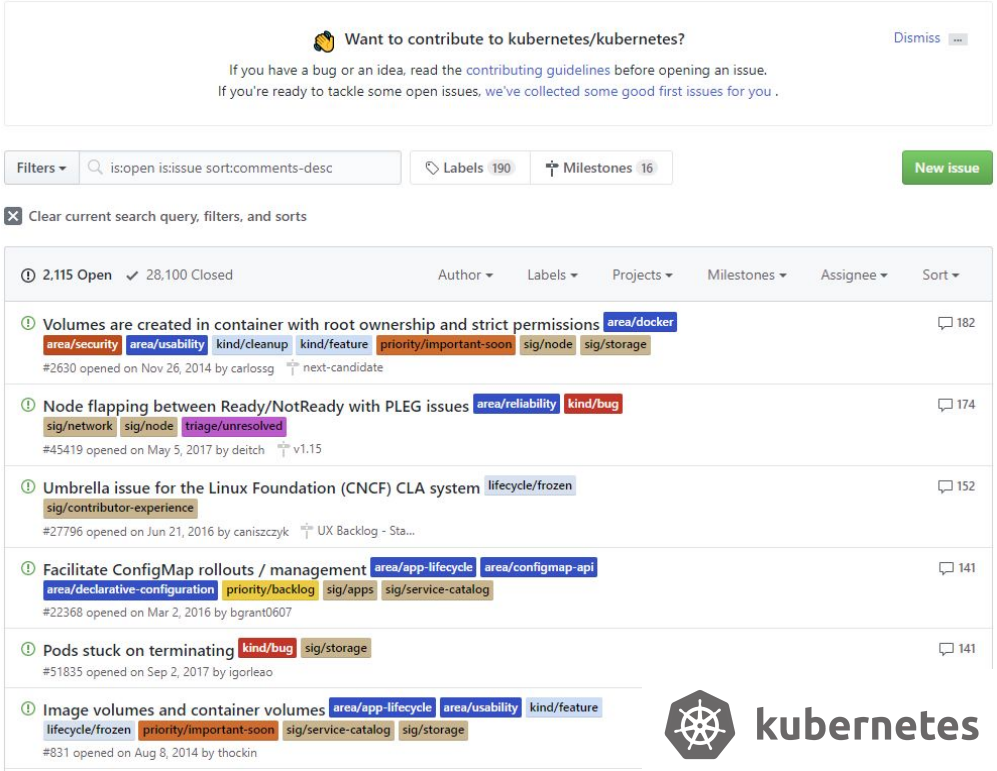
https://github.com/kubernetes/kubernetes/issues

Look for the `help wanted` label

Denotes an issue that needs help from a contributor. Must meet "help wanted" guidelines.

Start with `good first issue` labeled issues

Denotes an issue ready for a new contributor, according to the "help wanted" guidelines.



kubernetes

Read the Docs

Read the contributors guide

https://git.k8s.io/community/contributors/guide

Read the developer guides

https://git.k8s.io/community/contributors/devel

Understand the concepts

https://kubernetes.io/docs/concepts

Read the Kubernetes Design Documents and Proposals

https://git.k8s.io/community/contributors/design-proposals

Kubernetes Contributor Guide

This document is the single source of truth for how to contribute to the code base. Feel free to browse the open issues and file new ones, all feedback welcome!

Welcome

Welcome to Kubernetes!

- Before you get started
  - Sign the CLA
  - Code of Conduct
  - Setting up your development environment
  - Community Expectations and Roles
    - Thanks
- Your First Contribution
  - Find something to work on
    - Find a good first topic
    - Learn about SIGs
    - SIG-specific contributing guidelines
    - File an Issue
- Contributing
  - Communication
  - GitHub workflow
  - Open a Pull Request
  - Code Review

kubernetes

Write the Docs

Join SIG-Docs

https://git.k8s.io/website

Join the SIG-Docs slack channel

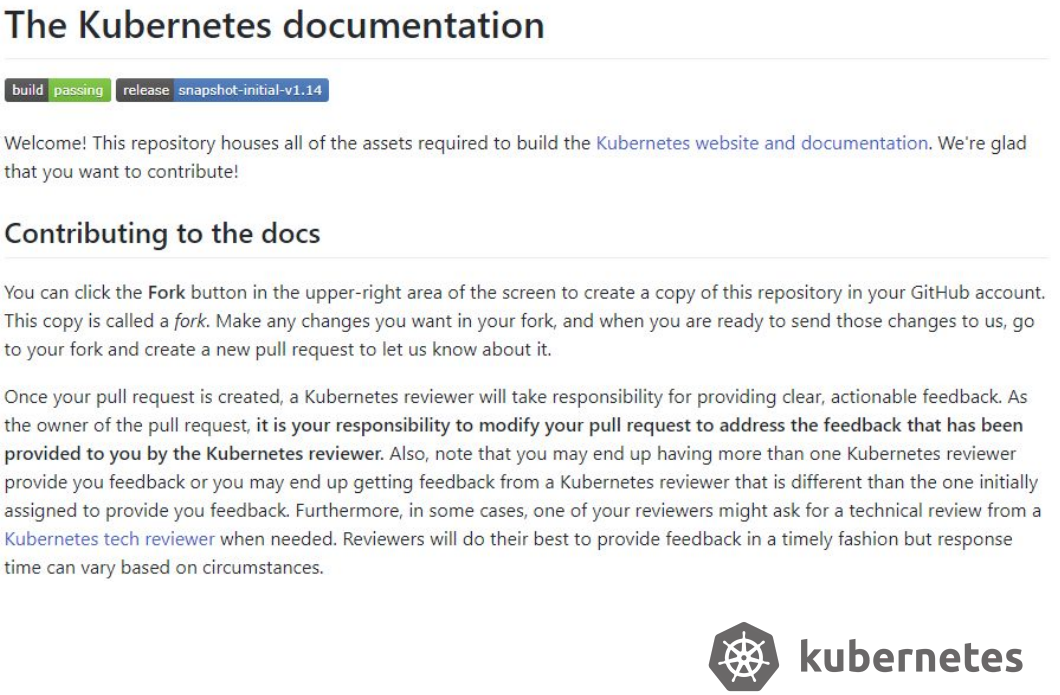
#sig-docs

Write and improve documentation

https://kubernetes.io/docs/contribute/

Write content

https://kubernetes.io/blog
https://discuss.kubernetes.io



The Kubernetes documentation

build passing release snapshot-initial-v1.14

Welcome! This repository houses all of the assets required to build the Kubernetes website and documentation. We're glad that you want to contribute!

Contributing to the docs

You can click the **Fork** button in the upper-right area of the screen to create a copy of this repository in your GitHub account. This copy is called a *fork*. Make any changes you want in your fork, and when you are ready to send those changes to us, go to your fork and create a new pull request to let us know about it.

Once your pull request is created, a Kubernetes reviewer will take responsibility for providing clear, actionable feedback. As the owner of the pull request, **it is your responsibility to modify your pull request to address the feedback that has been provided to you by the Kubernetes reviewer.** Also, note that you may end up having more than one Kubernetes reviewer provide you feedback or you may end up getting feedback from a Kubernetes reviewer that is different than the one initially assigned to provide you feedback. Furthermore, in some cases, one of your reviewers might ask for a technical review from a Kubernetes tech reviewer when needed. Reviewers will do their best to provide feedback in a timely fashion but response time can vary based on circumstances.

kubernetes

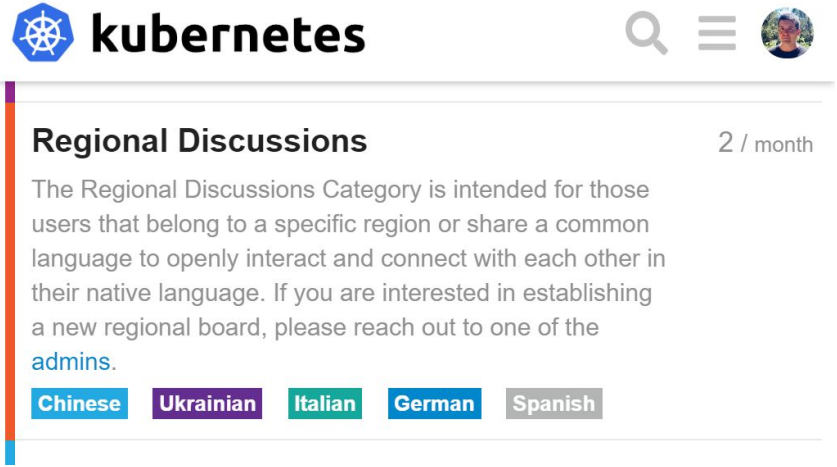
Write the Docs in your language

Join the SIG-Docs channel for your language

- #kubernetes-docs-de
- #kubernetes-docs-es
- #kubernetes-docs-fr
- #kubernetes-docs-hi
- **#kubernetes-docs-id**
- #kubernetes-docs-it
- #kubernetes-docs-ja
- #kubernetes-docs-ko
- #kubernetes-docs-pt
- #kubernetes-docs-zh

Write content in your language

https://discuss.kubernetes.io/c/regional-discussions



kubernetes

Building kubernetes.io

Linux Foundation CLA

linuxfoundation.org

The Contributor License Agreement

Defines the legal status of the contributed code in two different types of Contributor License Agreements (CLAs):

- 🏠 **Individual** contributors
- 🏢 **Corporations**

Kubernetes can only accept original source code from CLA signatories

https://git.k8s.io/community/CLA.md

kubernetes

Hugo

gohugo.io

The Kubernetes documentation is written in Markdown and processed and deployed using Hugo.

Hugo is one of the most popular open-source static site generators

https://github.com/gohugoio/hugo

Read the Hugo documentation if you want to learn more

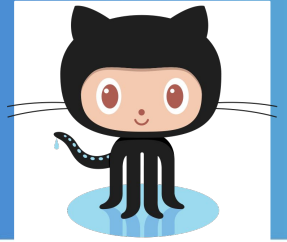
https://gohugo.io/documentation/

Check the documentation style guide

https://kubernetes.io/docs/contribute/style/style-guide/

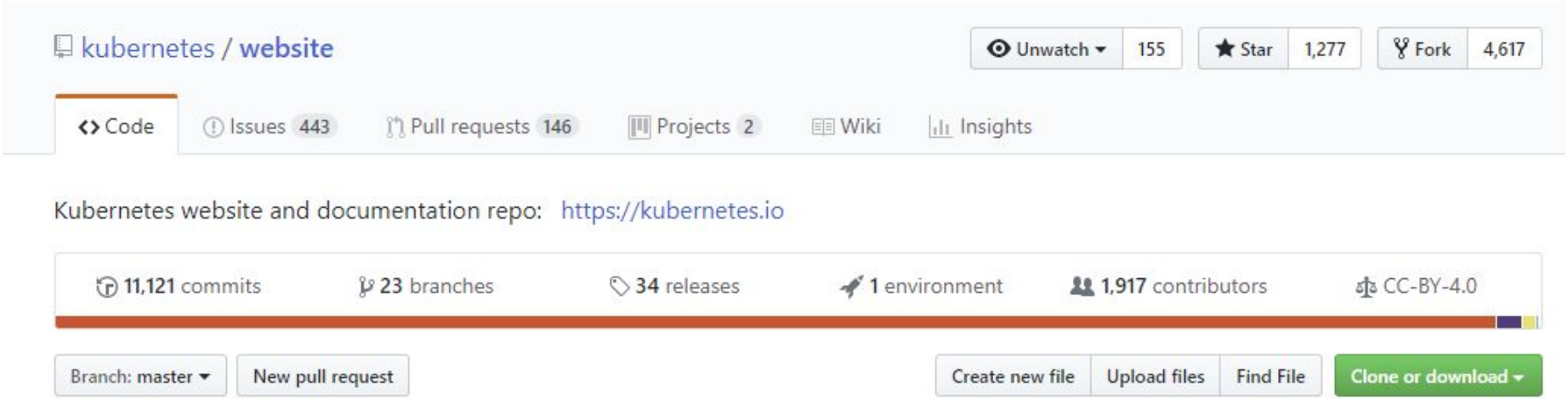
kubernetes

Git and GitHub



github.com

The website source is in GitHub at https://github.com/kubernetes/website

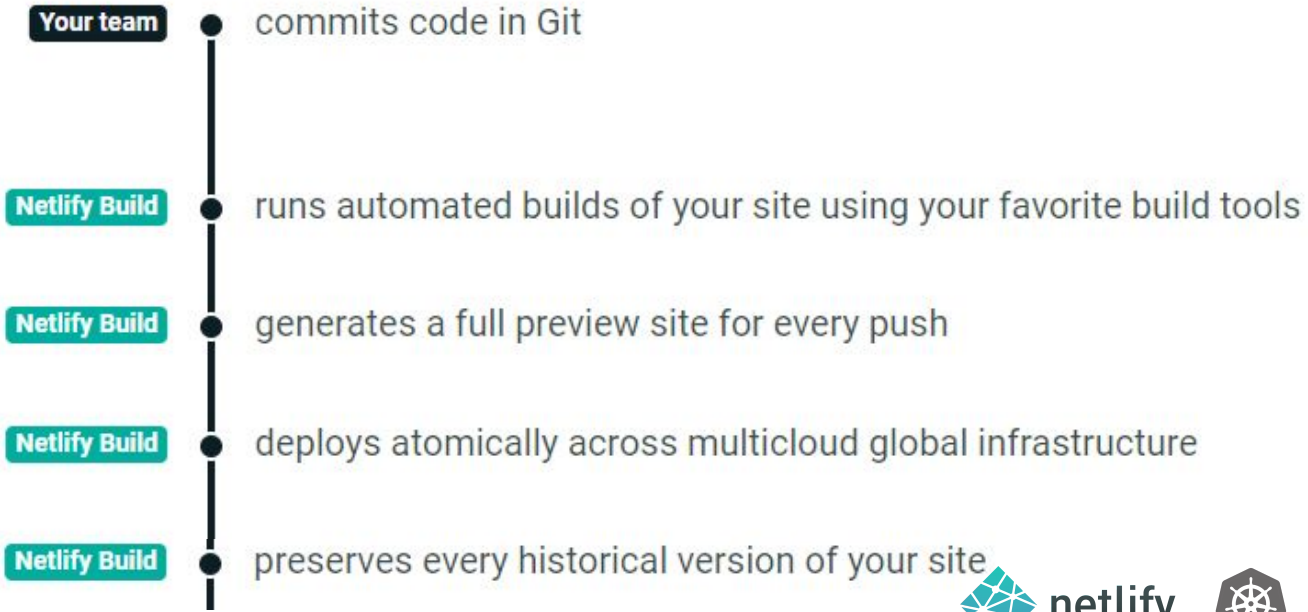


GitHub kubernetes

Netlify

netlify.com

The Kubernetes is built and deployed using Netlify



Let’s contribute to sig-docs-id!

Join to the Kubernetes Slack

slack.k8s.io

#kubernetes-docs-id

kubernetes

Be part of Indonesian localization team

Participate in the pull requests reviews

bit.ly/k8s-sig-docs-id-prs

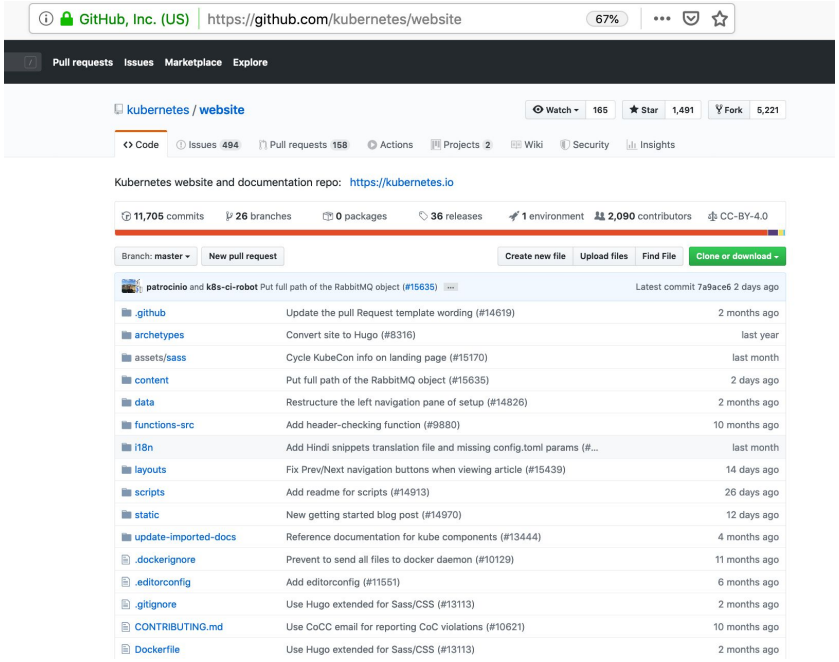
Add new content to the Indonesian docs

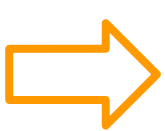
bit.ly/k8s-docs-id-m2

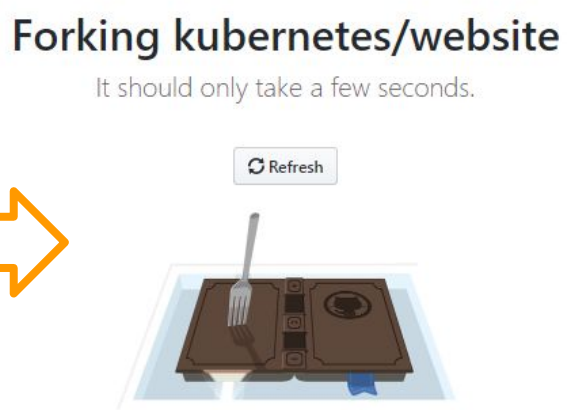
label:**language/id**

kubernetes

Fork the kubernetes website repo



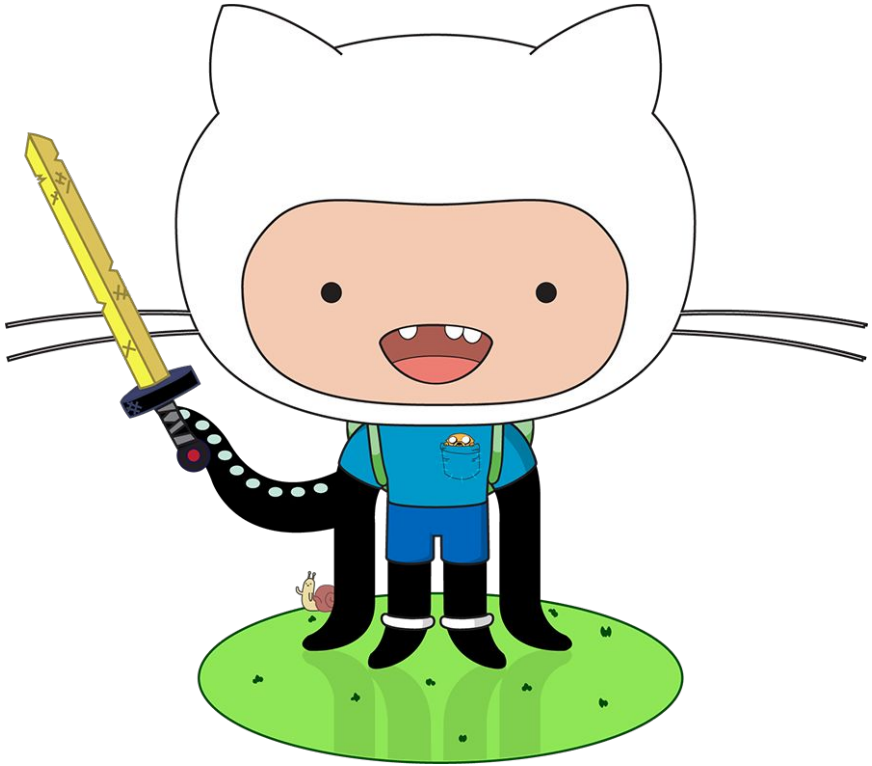




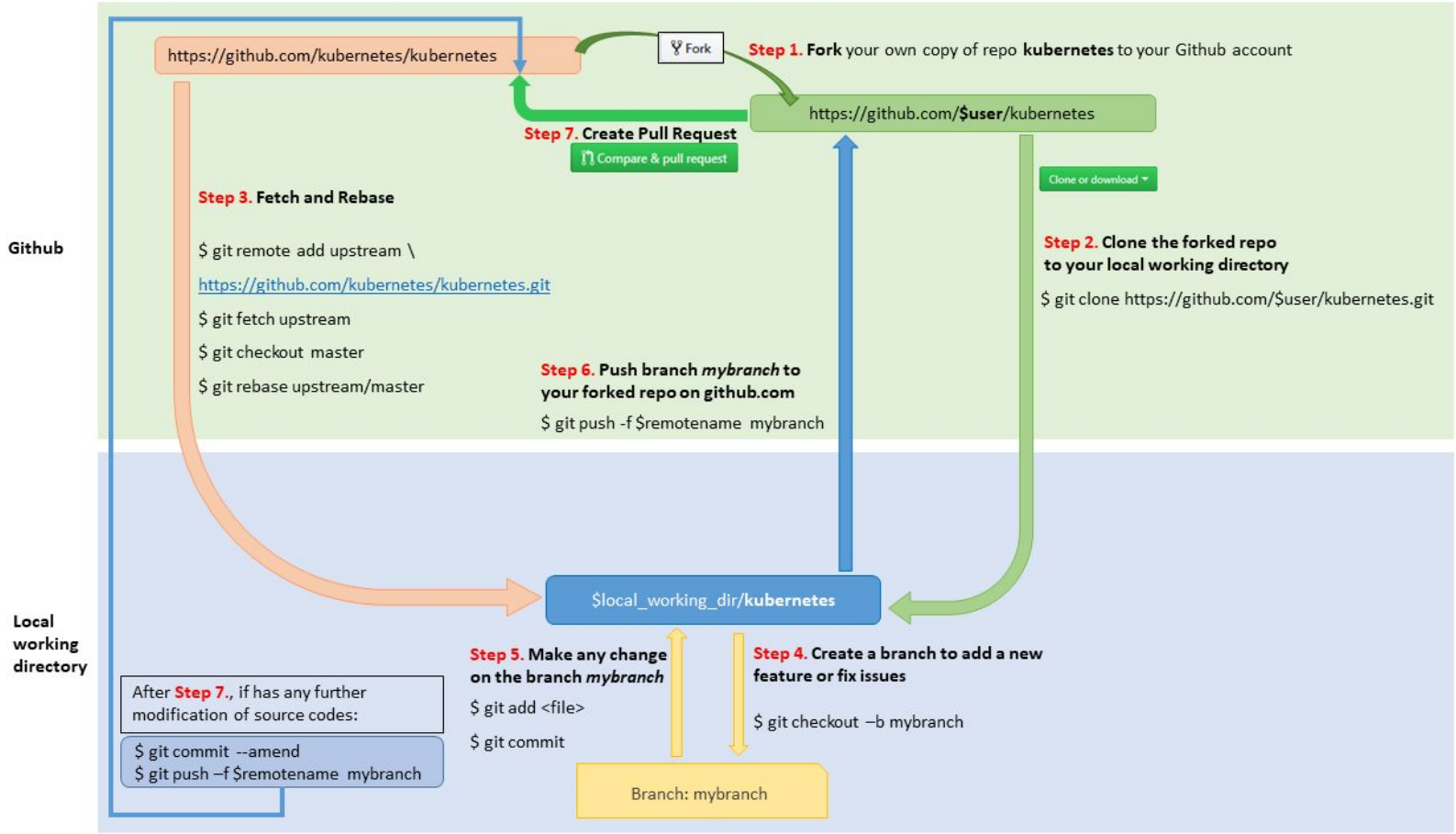
https://github.com/kubernetes/website

kubernetes

*Git*venture time



kubernetes



https://git.k8s.io/community/contributors/guide/github-workflow.md

Clone your fork

```
➜  website git:(master) git clone git@github.com:irvifa/website.git
```

Add Upstream

```
➜  website git:(some-feature) git remote -v
origin  git@github.com:irvifa/website.git (fetch)
origin  git@github.com:irvifa/website.git (push)
upstream        git@github.com:kubernetes/website.git (fetch)
upstream        git@github.com:kubernetes/website.git (push)
➜  website git:(some-feature)
```

Checkout a new branch for the contribution

```
➜  website git:(master) git checkout -b some-feature
Switched to a new branch 'some-feature'
➜  website git:(some-feature)
```

Commit your changes to your branch

```
➜  website git:(some-feature) ✗ git status
On branch some-feature
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   content/id/docs/reference/glossary/etcd.md

➜  website git:(some-feature) ✗ git add content/id/docs/reference/glossary/etcd.md
➜  website git:(some-feature) ✗ git commit -m "Add etcd glossary."
[some-feature d271965ce] Add etcd glossary.
 1 file changed, 1 insertion(+)
➜  website git:(some-feature)
```

Install Hugo to run the site locally

https://gohugo.io/getting-started/installing

kubernetes

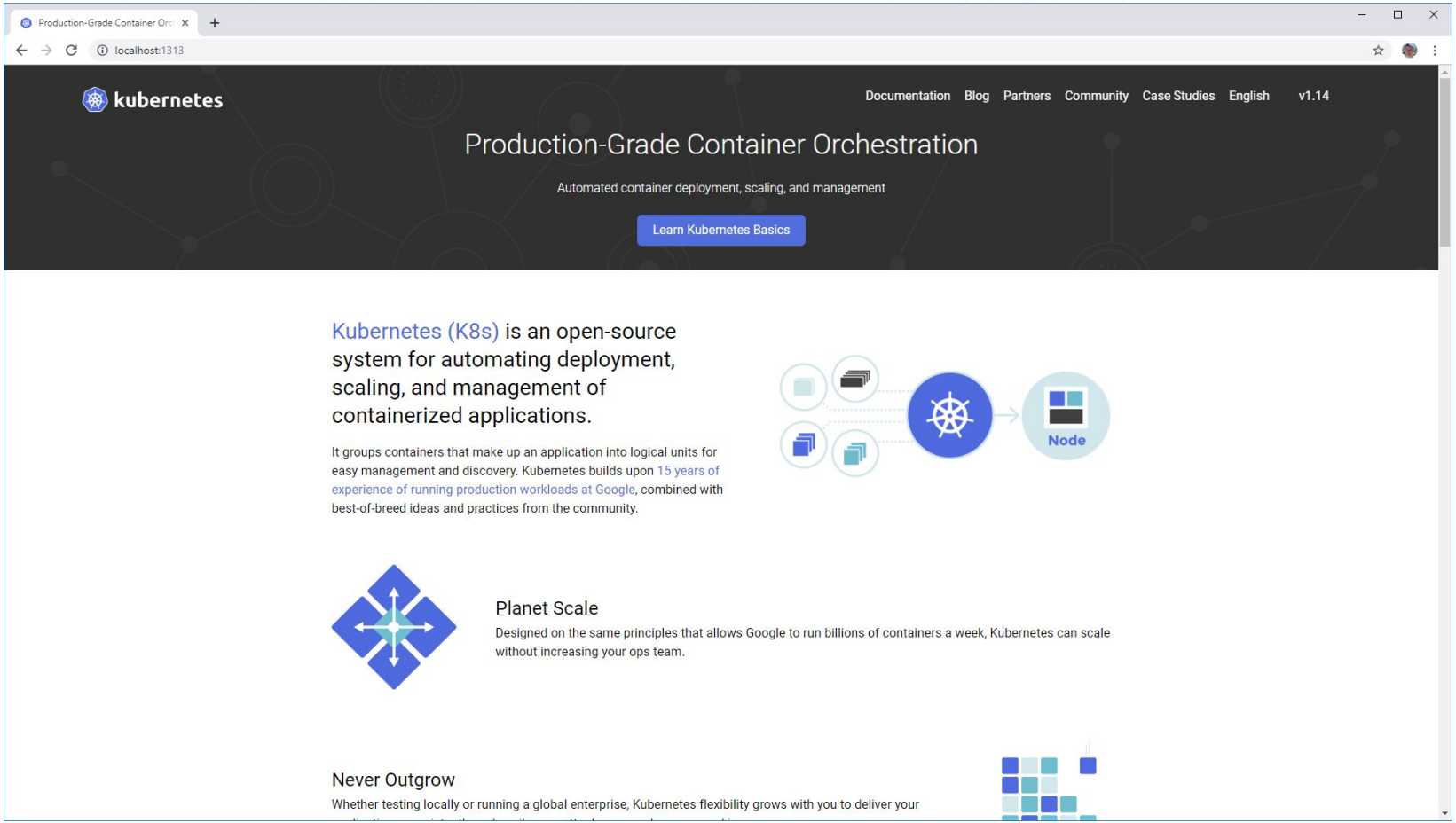
```
➜  website git:(id/secret) make docker-serve
docker run --rm --interactive --tty --volume /Users/irvi/dev/k8s/website:/src -p 1313:1313 kubernetes-hugo hugo server --buildFuture --bind 0.0.0.0

                   |  EN  | ZH  |  KO  | JA  | FR  | DE  | PT  | ES  | ID
+------------------+------+-----+------+-----+-----+-----+-----+-----+-----+
  Pages            | 4149 | 329 | 1594 |  73 | 970 | 387 |  24 | 707 | 446
  Paginator pages  |  291 |   7 |    0 |   0 |   0 |   0 |   0 |   0 |   0
  Non-page files   |  796 | 640 |  681 | 576 | 704 | 685 | 574 | 704 | 596
  Static files     |  991 | 991 |  991 | 991 | 991 | 991 | 991 | 991 | 991
  Processed images |    0 |   0 |    0 |   0 |   0 |   0 |   0 |   0 |   0
  Aliases          |    5 |   2 |    1 |   1 |   2 |   2 |   2 |   2 |   1
  Sitemaps         |    2 |   1 |    1 |   1 |   1 |   1 |   1 |   1 |   1
  Cleaned          |    0 |   0 |    0 |   0 |   0 |   0 |   0 |   0 |   0

Total in 34851 ms
Watching for changes in /src/{assets,content,data,i18n,layouts,static}
Watching for config changes in /src/config.toml
Environment: "development"
Serving pages from memory
Running in Fast Render Mode. For full rebuilds on change: hugo server --disableFastRender
Web Server is available at http://localhost:1313/ (bind address 0.0.0.0)
Press Ctrl+C to stop
```

Or if you've installed hugo: `hugo server -D -F`

https://github.com/kubernetes/website/blob/master/README-id.md

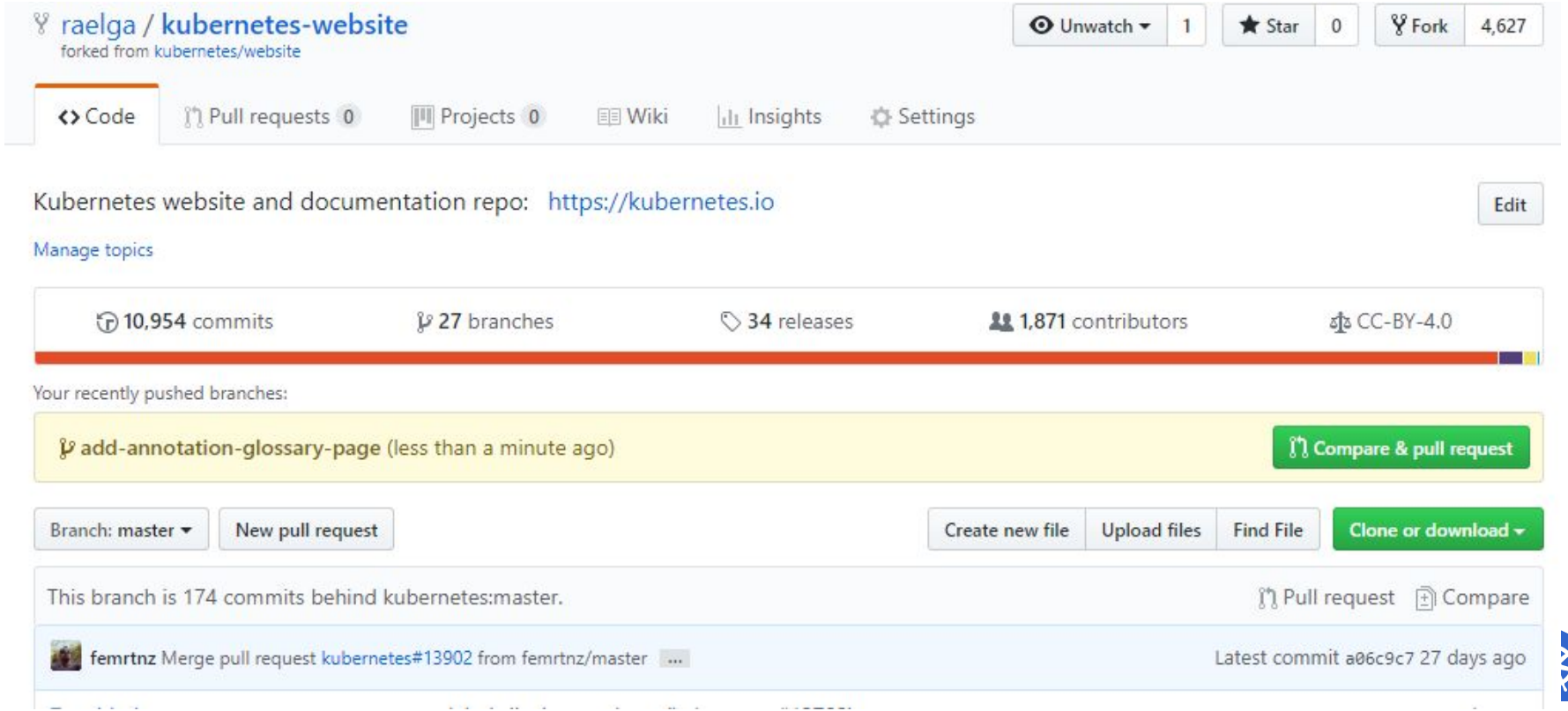


http://localhost:1313/

Push the changes to your branch

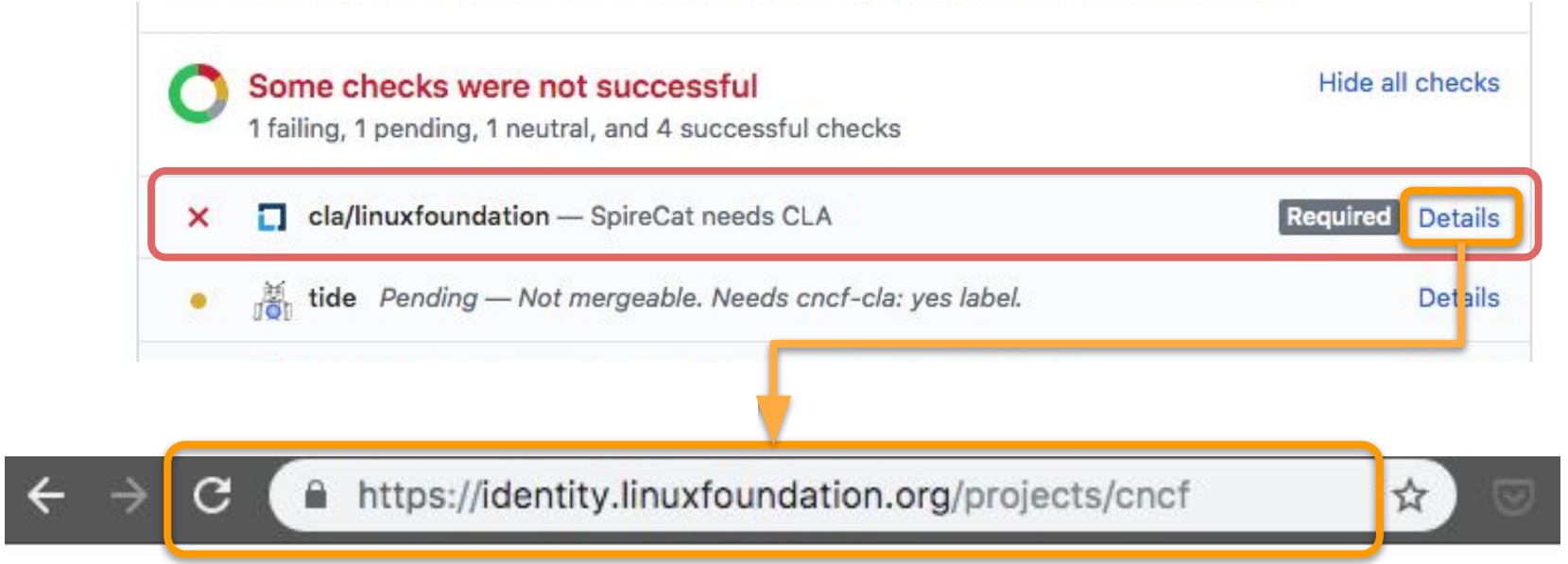
```
➜  website git:(id/storage-classes) git push origin id/storage-classes
Enumerating objects: 20, done.
Counting objects: 100% (20/20), done.
Delta compression using up to 8 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (11/11), 11.05 KiB | 5.53 MiB/s, done.
Total 11 (delta 8), reused 0 (delta 0)
remote: Resolving deltas: 100% (8/8), completed with 8 local objects.
remote:
remote: Create a pull request for 'id/storage-classes' on GitHub by visiting:
remote:      https://github.com/irvifa/website/pull/new/id/storage-classes
remote:
To github.com:irvifa/website.git
 * [new branch]          id/storage-classes -> id/storage-classes
➜  website git:(id/storage-classes)
```

Create a pull request



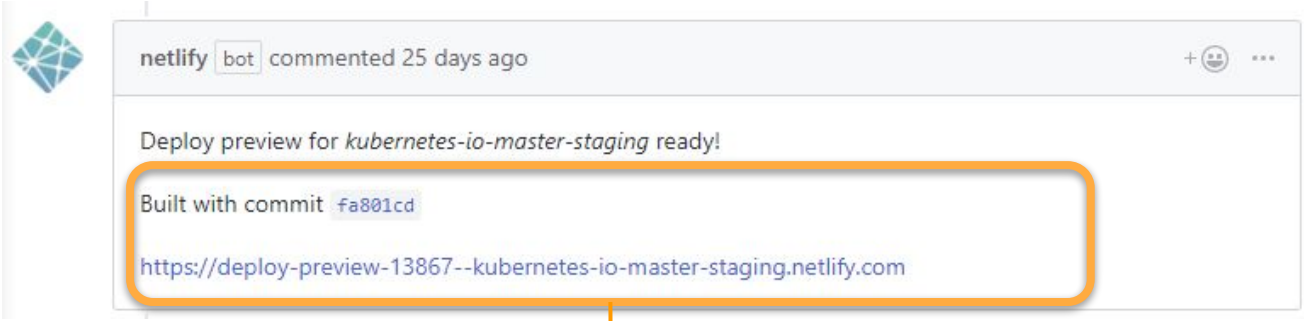
Linux Foundation CLA

https://www.linuxfoundation.org/

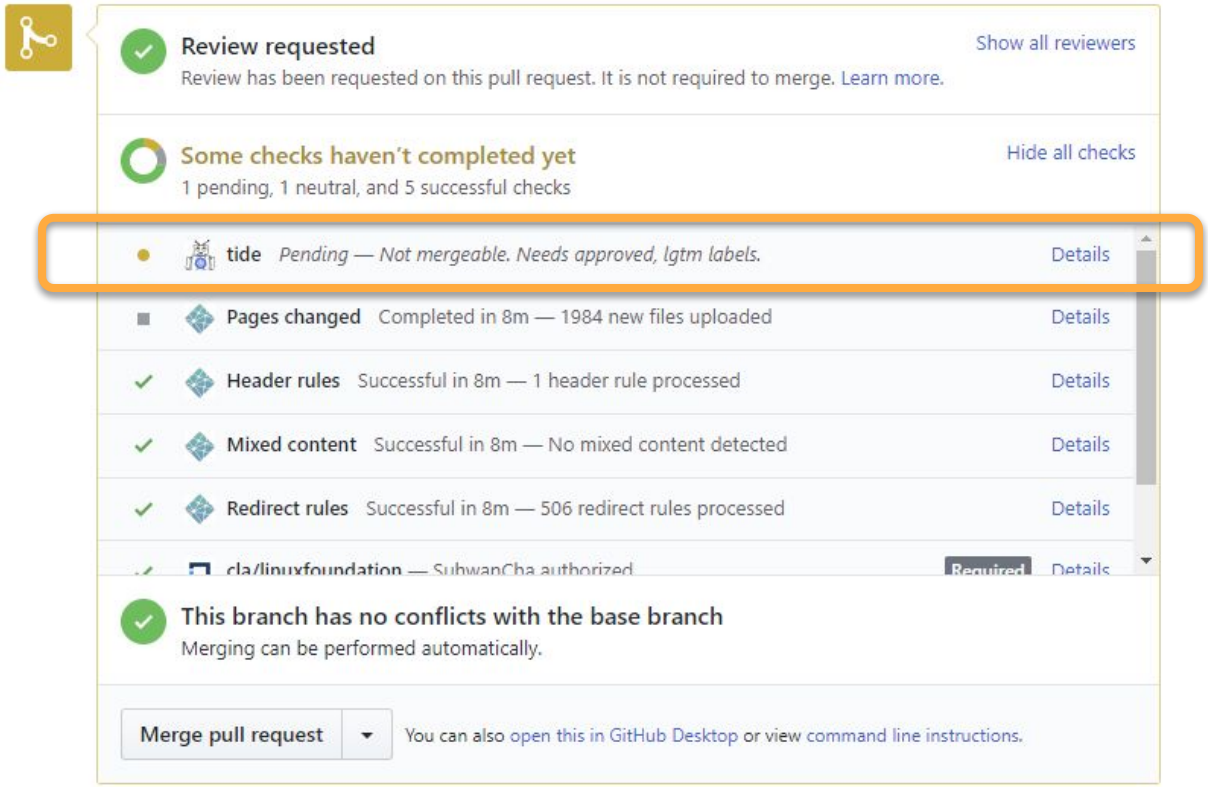


kubernetes

Build succeeded: Preview site

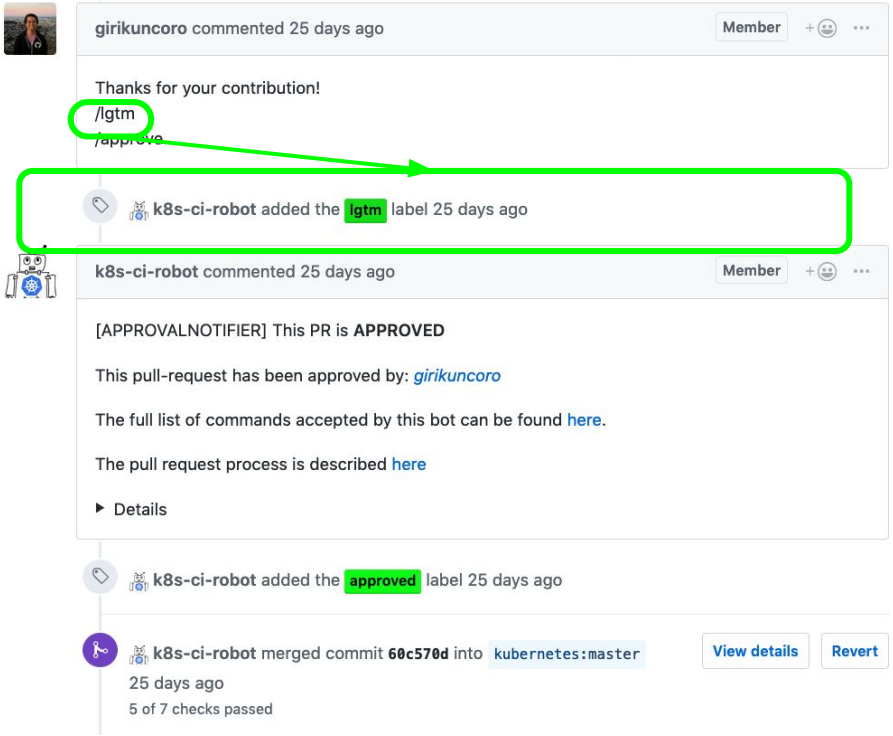


Build succeeded: Next Steps



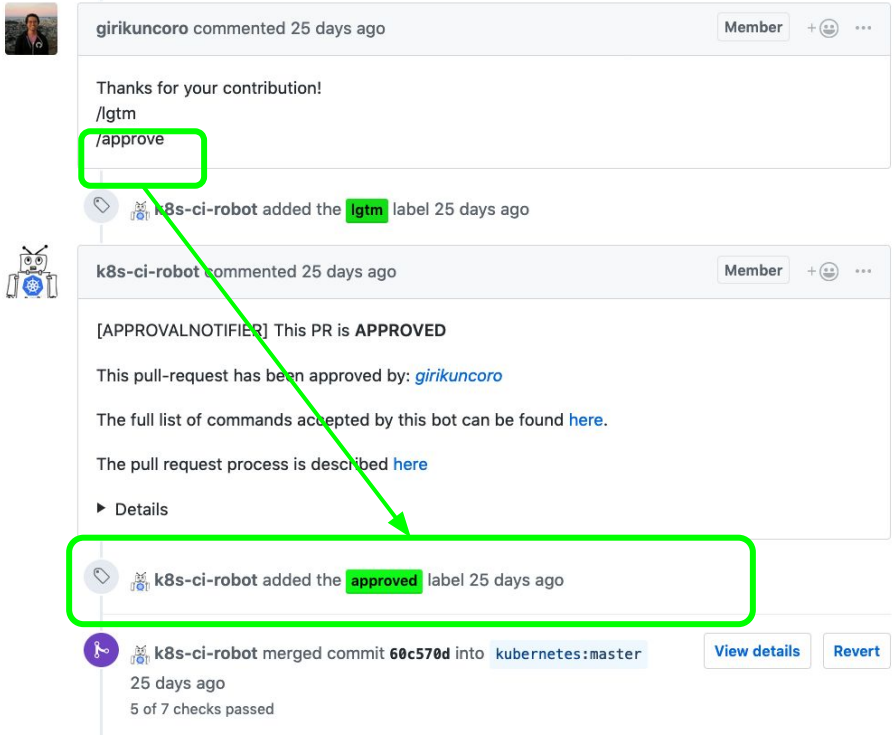
Labels for required for publication: lgtm

/lgtm from reviewers



Labels for required for publication: approved

/approve from owners



Live!

k8s-ci-robot added the approved label 25 days ago

k8s-ci-robot merged commit 60c570d into kubernetes:master

View details Revert

25 days ago

5 of 7 checks passed

Approvers/Reviewers for sig-docs-id

Approvers

- Giri Kuncoro **(@girikuncoro)**

- Irvi Aini **(@irvifa)**

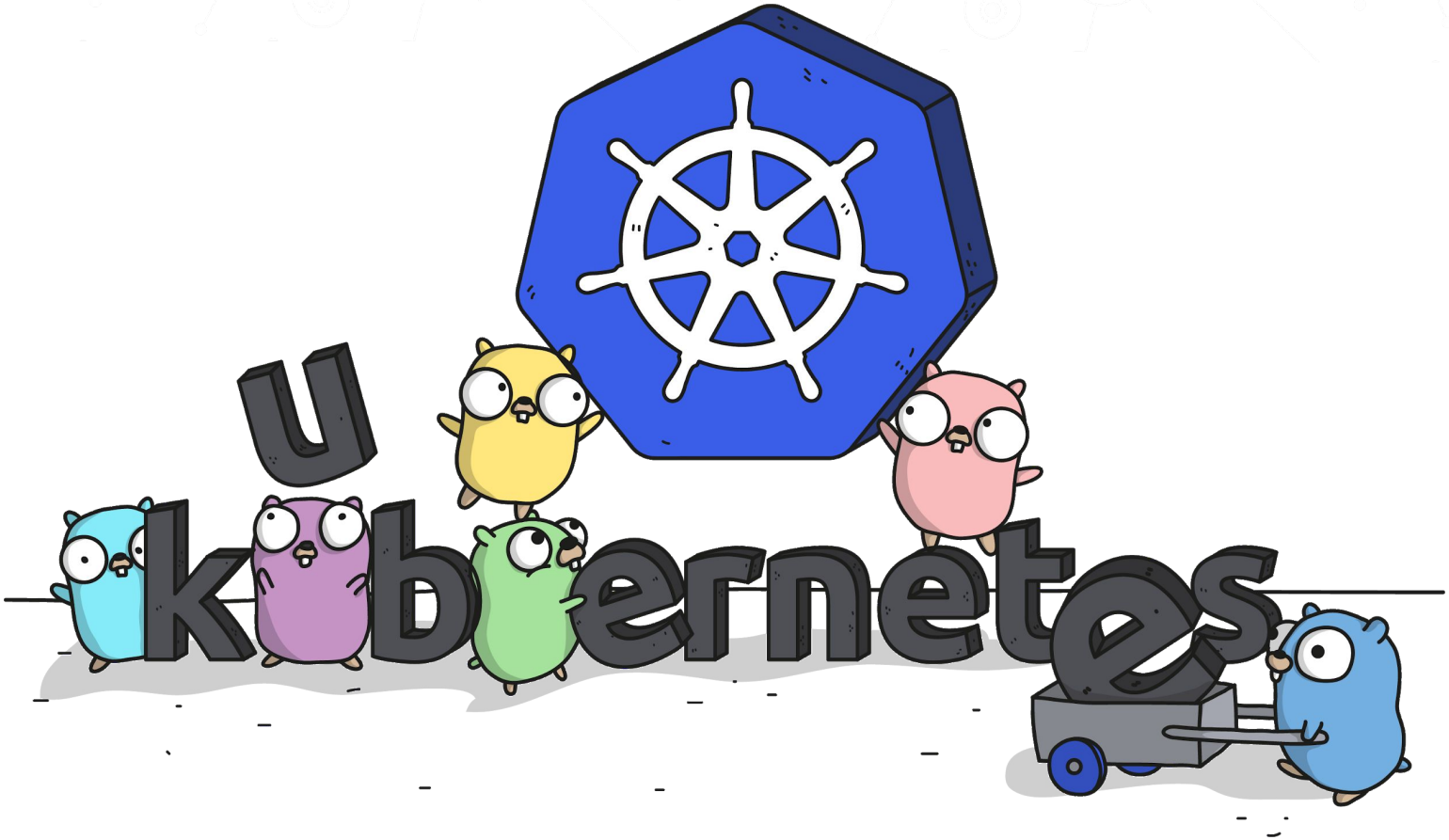
Reviewers

- Yudi Phanama **(@phanama)**

- Danni Setiawan **(@danninov)**

- Iqbal Farabi **(@qbl)**

kubernetes



This presentation is licensed under a Creative Commons Attribution 4.0 International License.
See https://creativecommons.org/licenses/by/4.0/ for more details.

Gopher Kubernetes by @ashleymcnamara