

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



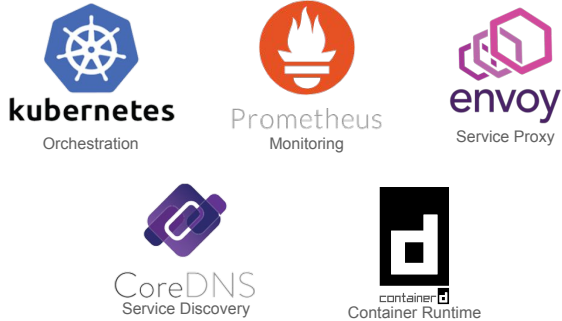
- Joshua Bezaleel (@joshuabezaleel)



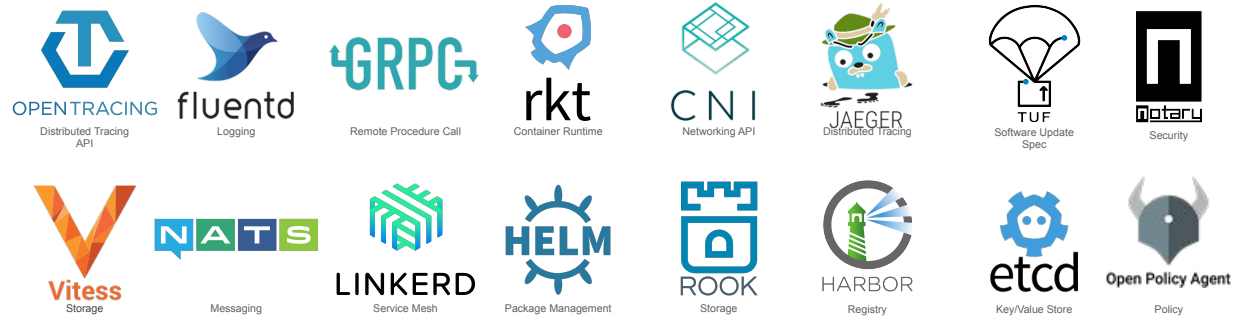
- Zufar Dhiyaulhaq (@zufardhiyaulhaq)

Cloud Native Computing Foundation

Graduated



Incubating

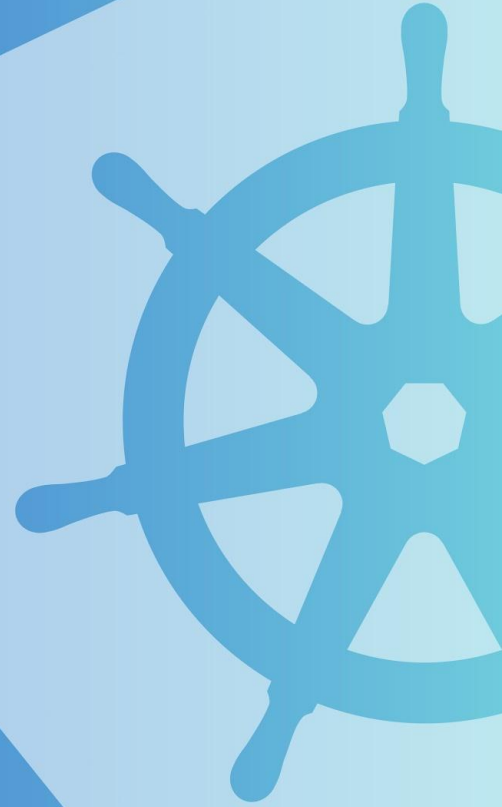


Contributing is Not only about code

It is about helping a community



Community



slack.kubernetes.io



Kubernetes ▾
○ Irvi Aini

Jump to... < >

- # cluster-api
- # fr-users
- # id-events
- # id-users
- # kubernetes-dev
- # kubernetes-docs-id
- # kubernetes-users
- # meet-our-contributors
- # sig-architecture
- # sig-docs
- # sig-docs-maintainers
- # sig-release

○ Irvi Aini (you)

● Giri Kuncoro

▣ Giri Kuncoro, Yudi A Pha...

☞ Luc Perkins 🌱

○ Rael Garcia 🌐

○ Reda Benzair

○ Rémy Léone 🇫🇷

○ Tim Bannister

▣ Yudi A Phanama, Giri Ku...

☞ Zach Corleissen

Channels

- # announcements


#kubernetes-docs-id

★ | 👤 28 | 🗑️ 2 | ✎ Add a topic


📞 ⓘ ⚙️ 🔍 Search @ ☆


Video recording already included Friday, July 26th
👍 1

Sunday, July 28th

 **Irvi Aini** 3:05 PM
reviewer for these previous two weeks will be myself and @danninov
cc @onigiri
👍 1



Wednesday, July 31st

 **Giri Kuncoro** 12:09 PM
@irvifa help review please <https://github.com/kubernetes/website/pull/15583>


 **girikuncoro**
#15583 Add dynamic provisioning Indonesian translation
Adding new translation for M2 docs-id #15341
/language id
/assign @irvifa
Assignees
irvifa

Labels
cncf-cla: yes, language/id, sig/docs, size/L

kubernetes/website | Jul 30th | Added by GitHub

  **3 replies** Last reply 3 days ago

Yesterday

 **Yofriadi Yahya** 2:47 PM
joined #kubernetes-docs-id along with HusniAlhamdani.



git.k8s.io



The screenshot shows the GitHub repository page for Kubernetes. The browser address bar displays "https://github.com/kubernetes/". The repository name "Kubernetes" is prominently displayed with its logo and a verified badge for "https://kubernetes.io". Below the repository name, statistics are shown: 68 Repositories, 853 People, 293 Teams, and 27 Projects. The "Pinned repositories" section features six cards:

- kubernetes**: Production-Grade Container Scheduling and Management. 52.7k stars, 18.2k forks.
- enhancements**: Features tracking repo for Kubernetes releases. 615 stars, 360 forks.
- community**: Kubernetes community content. 4k stars, 2k forks.
- website**: Kubernetes website and documentation repo. 1.3k stars, 4.6k forks.
- test-infra**: Test infrastructure for the Kubernetes project. 1.2k stars, 851 forks.
- examples**: Kubernetes application example tutorials. 2.1k stars, 1.3k forks.

At the bottom, there is a search bar "Find a repository..." and filters for "Type: All" and "Language: All".



youtube.com/c/kubernetescommunity

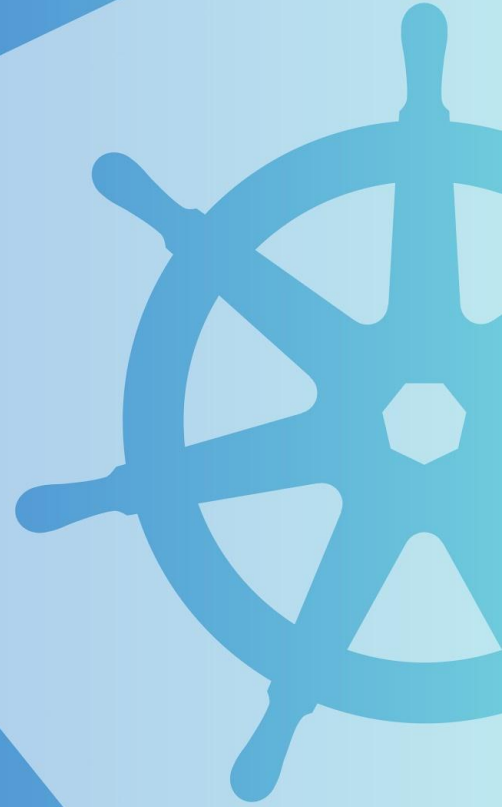


The screenshot shows the YouTube channel page for Kubernetes. The channel name is "Kubernetes" with 10,885 subscribers. The page is set to "VIDEOS" and displays a grid of 10 video uploads. Each video thumbnail includes a duration and a view count with the time it was posted.

Video Title	Duration	Views	Posted
Kubernetes Office Hours 20190515	56:43	109	19 hours ago
k8s 1.15 Release Team Meeting 20190513	21:24	34	2 days ago
Kubernetes Community Meeting 20190509	59:37	144	5 days ago
k8s 1.15 Release Team Meeting 20190506	31:26	108	1 week ago
Kubernetes Community Meeting 20190502	43:09	115	1 week ago
Kubernetes Meet Our Contributors 20190501 (We...)	39:13	123	2 weeks ago
Kubernetes Meet Our Contributors 20190501	59:14	179	2 weeks ago
k8s 1.15 Release Team Meeting 20190429	18:19	97	2 weeks ago
Kubernetes Community Meeting 20190425	42:55	151	2 weeks ago
Kubernetes Public Steering Committee Meeting...	59:27	26	3 weeks ago



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.

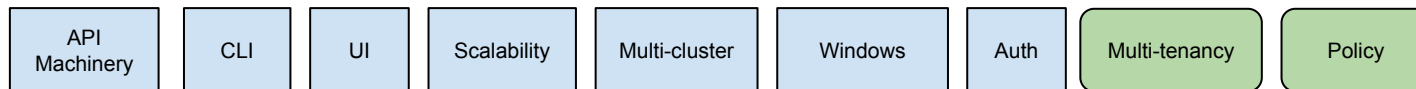
<https://git.k8s.io/community/governance.md>



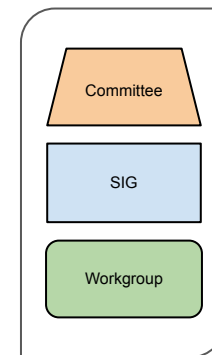
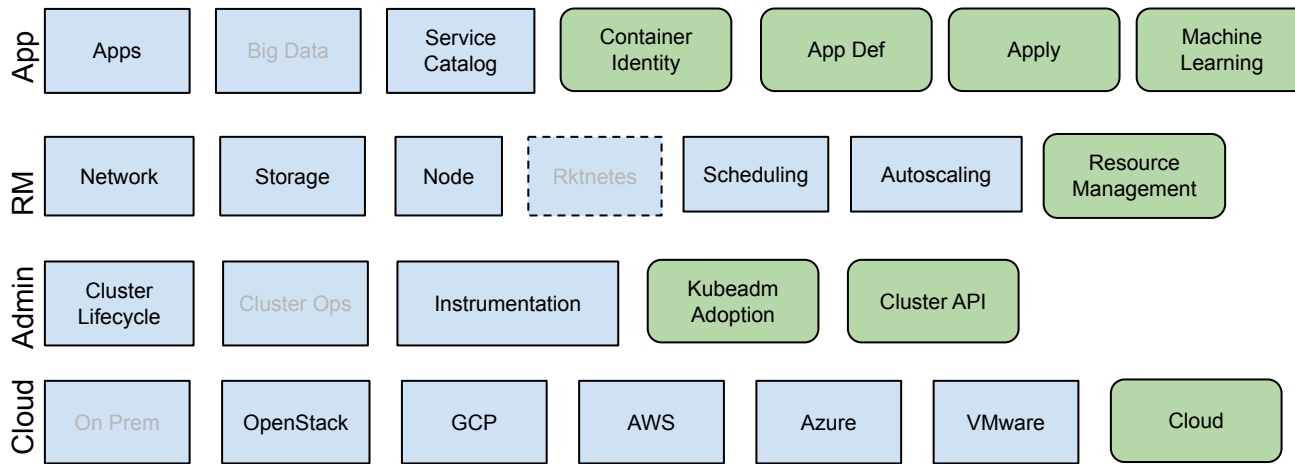
Project



Horizontal



Vertical



<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



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**



Welcome to the Contributor Role Board. This is a place to connect Volunteers Looking to Help with SIGs and Working Groups looking for help.

Contributors ▶ Role Board ▶ Latest Top



Topic

Replies Activity

🚩 [Example] Experienced front-end developer looking for front end work
volunteer-available

(This is an example) Name: Jane Containerface
Github Handle: @example Skills: I am fluent in front end technologies such as Javascript and HTML/CSS. I am not familiar with golang but I am willing to learn. Area where... [read more](#)



1

Sep '18

🚩 About the Contributor Role Board

Welcome to the Contributor Role Board. This is a



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**



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.

Want to contribute to kubernetes/kubernetes? Dismiss

If you have a bug or an idea, read the [contributing guidelines](#) before opening an issue.
If you're ready to tackle some open issues, we've collected some good first issues for you .

Filters Labels 190 Milestones 16 New issue

Clear current search query, filters, and sorts

🕒 2,115 Open	✓ 28,100 Closed	Author	Labels	Projects	Milestones	Assignee	Sort
🕒			area/security area/usability kind/cleanup kind/feature priority/important-soon sig/node sig/storage				182
#2630 opened on Nov 26, 2014 by carlossg 👤 next-candidate							
🕒			sig/network sig/node triage/unresolved area/reliability kind/bug				174
#45419 opened on May 5, 2017 by deitch 👤 v1.15							
🕒			sig/contributor-experience lifecycle/frozen				152
#27796 opened on Jun 21, 2016 by caniszczyk 👤 UX Backlog - Sta...							
🕒			area/app-lifecycle area/configmap-api area/declarative-configuration priority/backlog sig/apps sig/service-catalog				141
#22368 opened on Mar 2, 2016 by bgrant0607							
🕒			kind/bug sig/storage				141
#51835 opened on Sep 2, 2017 by igorleao							
🕒			area/app-lifecycle area/usability kind/feature lifecycle/frozen priority/important-soon sig/service-catalog sig/storage				
#831 opened on Aug 8, 2014 by thockin							



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



Regional Discussions

2 / month

The Regional Discussions Category is intended for those users that belong to a specific region or share a common language to openly interact and connect with each other in their native language. If you are interested in establishing a new regional board, please reach out to one of the admins.

Chinese

Ukrainian

Italian

German

Spanish



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>



THE
LINUX
FOUNDATION



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

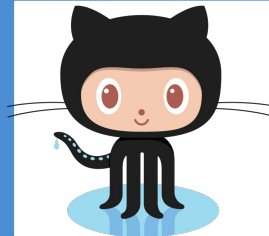
<https://gohugo.io/documentation/>

Check the documentation style guide

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



Git and GitHub



github.com

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

The screenshot shows the GitHub repository page for 'kubernetes / website'. At the top, there are buttons for 'Unwatch' (155), 'Star' (1,277), and 'Fork' (4,617). Below this is a navigation bar with 'Code' selected, and links for 'Issues' (443), 'Pull requests' (146), 'Projects' (2), 'Wiki', and 'Insights'. The main content area displays repository statistics: 11,121 commits, 23 branches, 34 releases, 1 environment, 1,917 contributors, and CC-BY-4.0 license. At the bottom, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find File', and a prominent green 'Clone or download' button.



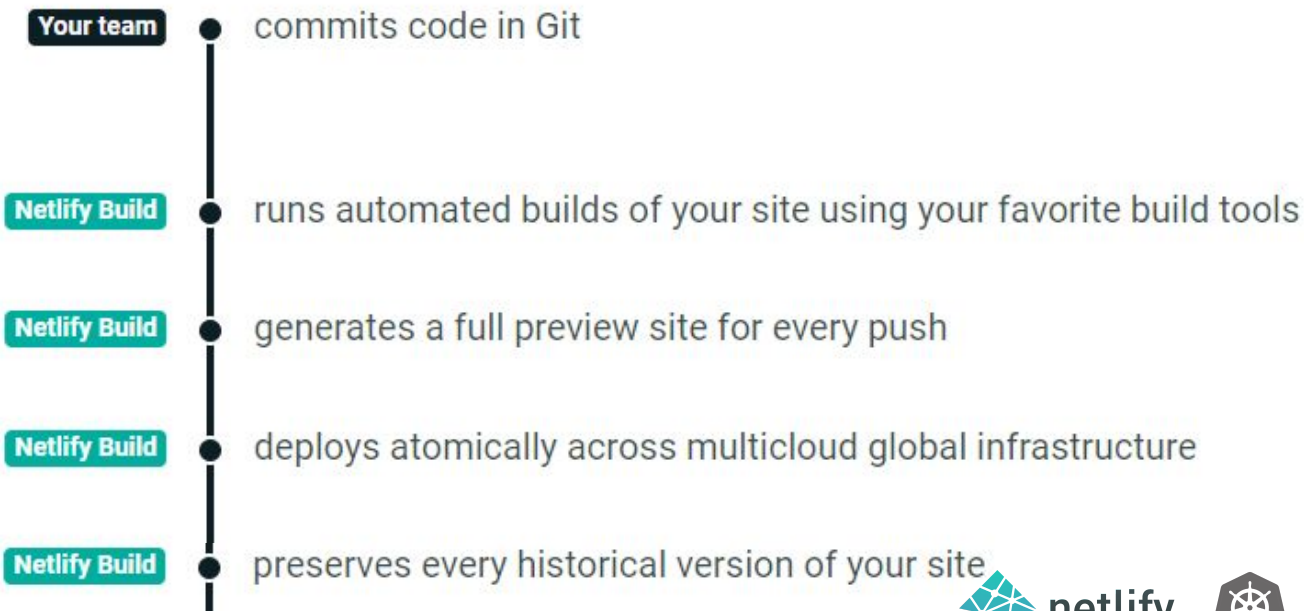
GitHub



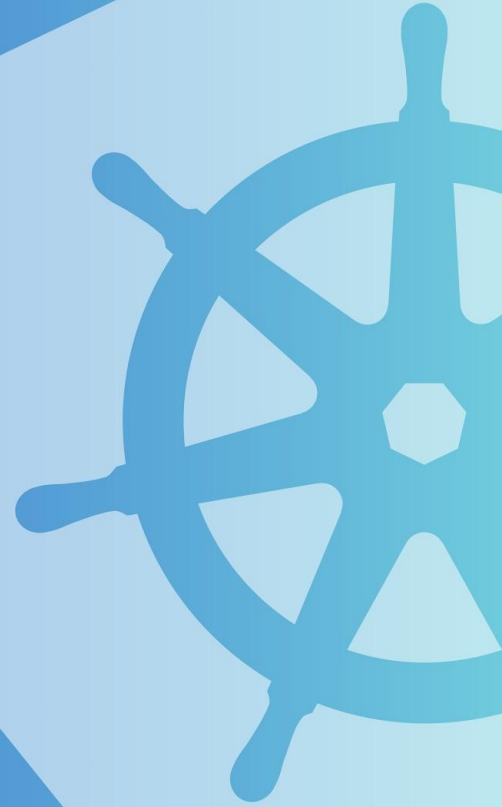
kubernetes



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](#)

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



GitHub, Inc. (US) | <https://github.com/kubernetes/website> | 67% | ... | ☆

Pull requests | Issues | Marketplace | Explore

kubernetes / website | Watch 165 | Star 1,491 | Fork 5,221

Code | Issues 494 | Pull requests 158 | Actions | Projects 2 | Wiki | Security | Insights

Kubernetes website and documentation repo: <https://kubernetes.io>

11,705 commits | 26 branches | 0 packages | 36 releases | 1 environment | 2,090 contributors | CC-BY-4.0

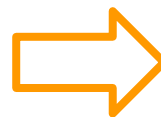
Branch: master | New pull request | Create new file | Upload files | Find File | Clone or download

Commit	Message	Time
patrocinio and k8s-ci-robot	Put full path of the RabbitMQ object (#15635)	2 days ago
	Restructure the left navigation pane of setup (#14826)	2 months ago
	Add header-checking function (#9880)	10 months ago
	Add Hindi snippets translation file and missing config.toml params (#118n)	last month
	Fix Prev/Next navigation buttons when viewing article (#15439)	14 days ago
	Add readme for scripts (#14913)	26 days ago
	New getting started blog post (#14970)	12 days ago
	Reference documentation for kube components (#13444)	4 months ago
	Prevent to send all files to docker daemon (#10129)	11 months ago
	Add editorconfig (#11551)	6 months ago
	Use Hugo extended for Sass/CSS (#13113)	2 months ago
	Use CoCC email for reporting CoC violations (#10621)	10 months ago
	Use Hugo extended for Sass/CSS (#13113)	2 months ago



Forking kubernetes/website

It should only take a few seconds.

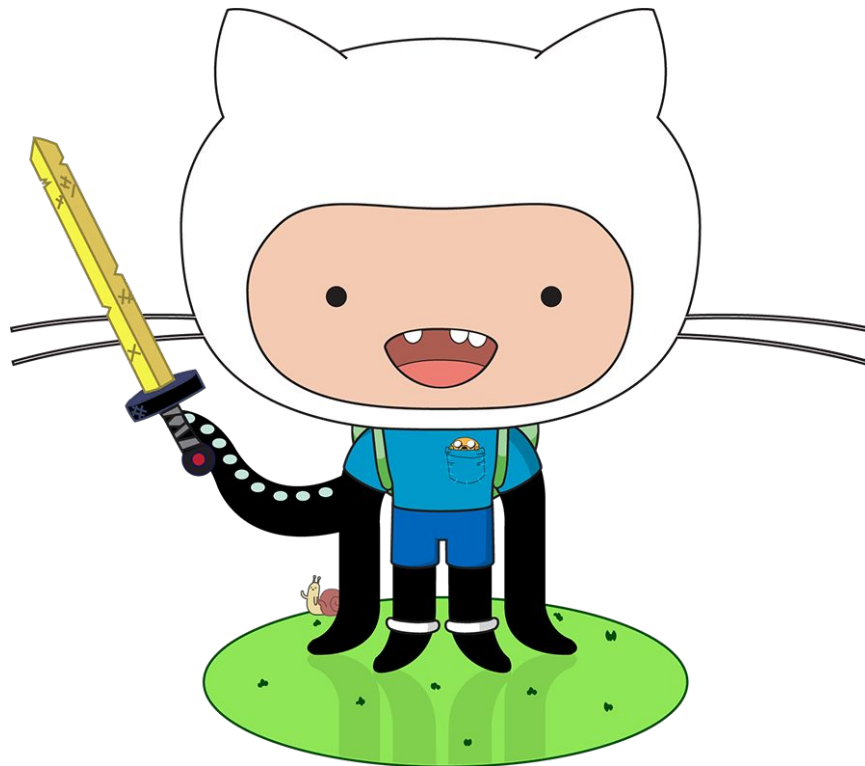


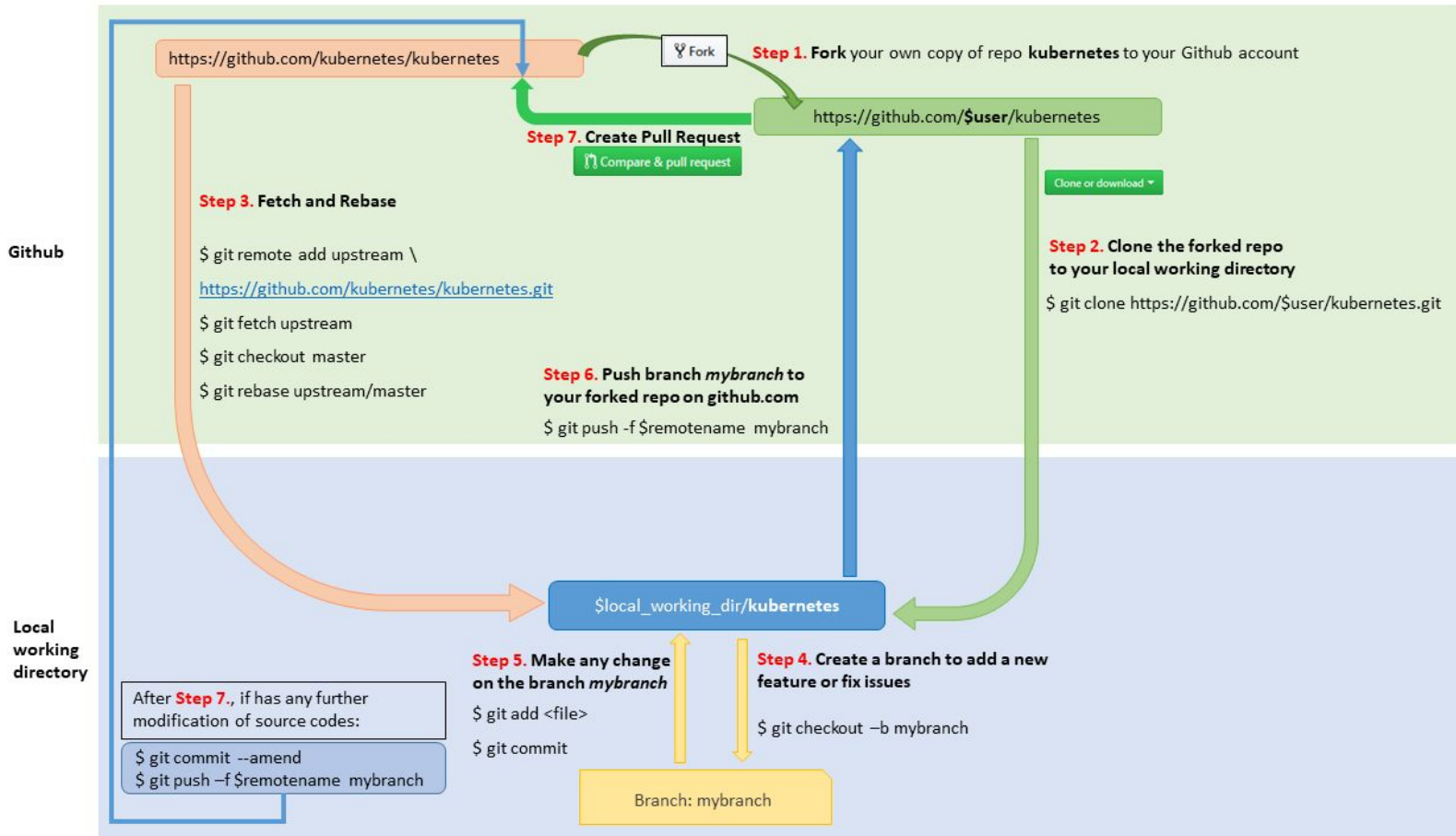
<https://github.com/kubernetes/website>



kubernetes

Gitventure time





<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>



→ **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>





Production-Grade Container Orchestration

Automated container deployment, scaling, and management

[Learn Kubernetes Basics](#)

Kubernetes (K8s) is an open-source system for automating deployment, scaling, and management of containerized applications.

It groups containers that make up an application into logical units for easy management and discovery. Kubernetes builds upon 15 years of experience of running production workloads at Google, combined with best-of-breed ideas and practices from the community.



Planet Scale

Designed on the same principles that allows Google to run billions of containers a week, Kubernetes can scale without increasing your ops team.

Never Outgrow

Whether testing locally or running a global enterprise, Kubernetes flexibility grows with you to deliver your



<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

🔗 raelga / **kubernetes-website**
forked from kubernetes/website

👁 Unwatch ▾ 1

★ Star 0

🔗 Fork 4,627

↔ Code

🔗 Pull requests 0

📁 Projects 0

📖 Wiki

📊 Insights

⚙ Settings

Kubernetes website and documentation repo: <https://kubernetes.io>

Edit

Manage topics

📄 10,954 commits

🔗 27 branches

📦 34 releases

👤 1,871 contributors

📄 CC-BY-4.0

Your recently pushed branches:

🔗 add-annotation-glossary-page (less than a minute ago)

🔗 Compare & pull request

Branch: master ▾

New pull request

Create new file

Upload files

Find File

Clone or download ▾

This branch is 174 commits behind kubernetes:master.

🔗 Pull request 📄 Compare

👤 femrtzn Merge pull request [kubernetes#13902](#) from femrtzn/master ...

Latest commit a06c9c7 27 days ago

Linux Foundation CLA



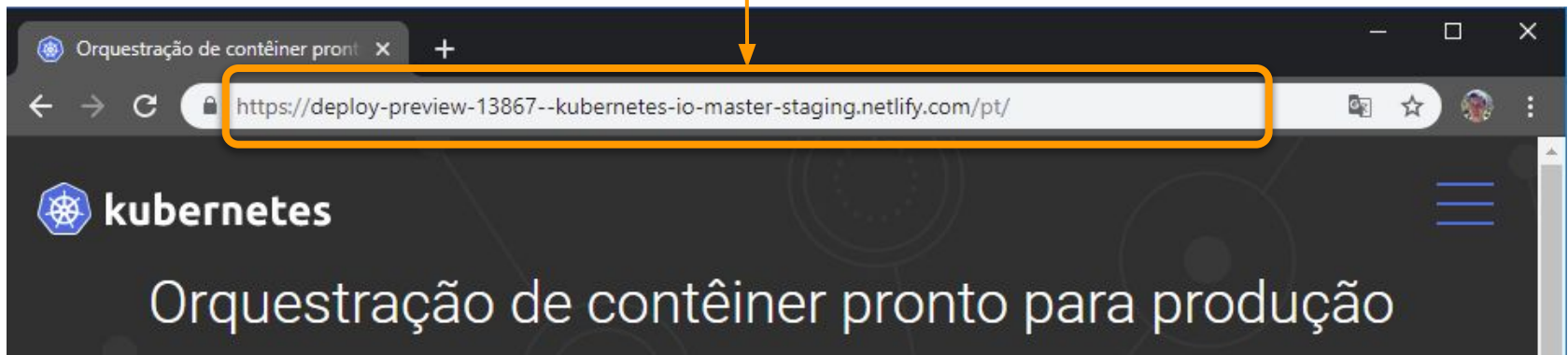
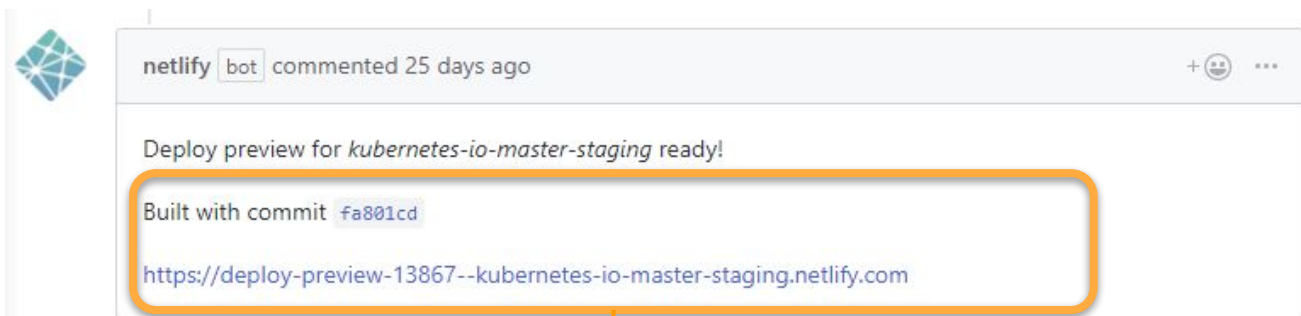
<https://www.linuxfoundation.org/>

Some checks were not successful Hide all checks
1 failing, 1 pending, 1 neutral, and 4 successful checks

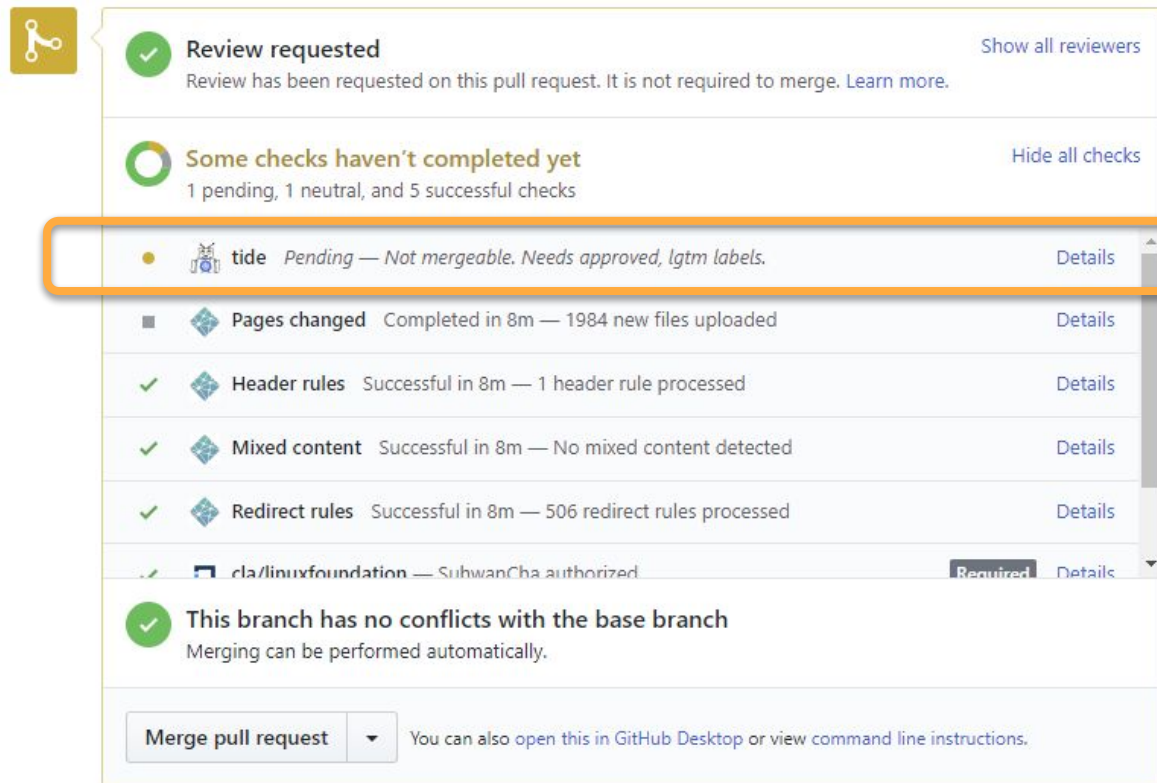
- cla/linuxfoundation** — SpireCat needs CLA Required Details
- tide** Pending — Not mergeable. Needs `cncf-cla: yes` label. Details

<https://identity.linuxfoundation.org/projects/cncf>

Build succeeded: Preview site



Build succeeded: Next Steps



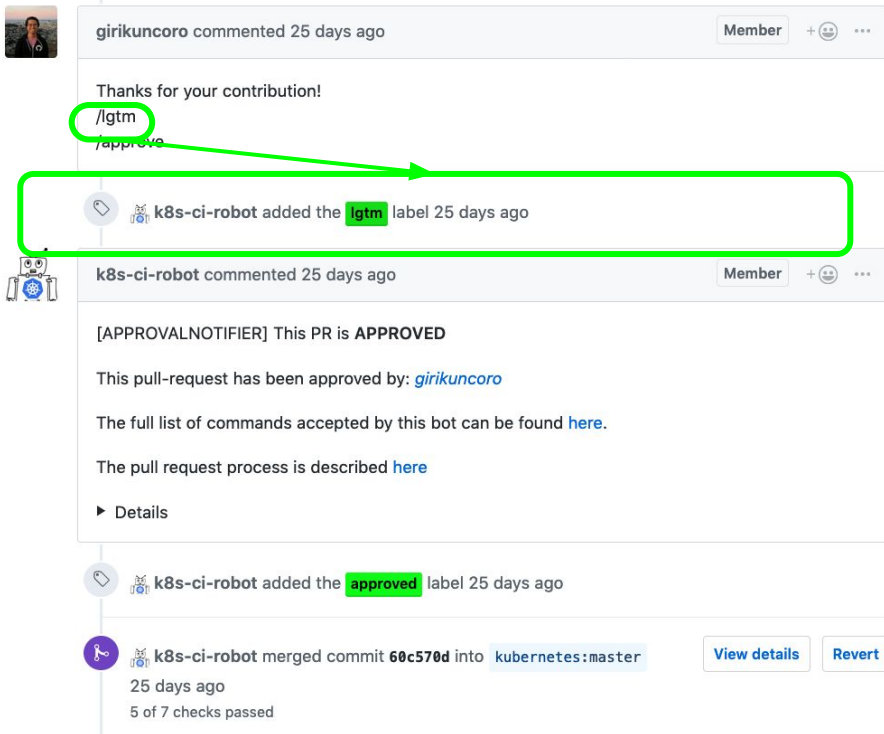
The screenshot displays a pull request interface with the following elements:

- Review requested:** A green checkmark icon, the text "Review requested", and a link "Show all reviewers". Below it, a message states: "Review has been requested on this pull request. It is not required to merge. [Learn more.](#)"
- Some checks haven't completed yet:** A circular progress indicator, the text "Some checks haven't completed yet", and a link "Hide all checks". Below it, a message states: "1 pending, 1 neutral, and 5 successful checks"
- Check Status List:** A list of checks with their status and details:
 - tide:** Pending — Not mergeable. Needs approved, lgtm labels. (Highlighted with an orange box)
 - Pages changed:** Completed in 8m — 1984 new files uploaded
 - Header rules:** Successful in 8m — 1 header rule processed
 - Mixed content:** Successful in 8m — No mixed content detected
 - Redirect rules:** Successful in 8m — 506 redirect rules processed
 - cla/linuxfoundation:** — SuhwanCha authorized (Marked as Required)
- Conflict Status:** A green checkmark icon, the text "This branch has no conflicts with the base branch", and a message: "Merging can be performed automatically."
- Actions:** A "Merge pull request" button and a link: "You can also open this in [GitHub Desktop](#) or view [command line instructions.](#)"



Labels for required for publication: **lgtm**

/lgtm from reviewers



The screenshot shows a GitHub pull request comment thread. At the top, a user named **girikuncoro** commented 25 days ago, saying "Thanks for your contribution!". Below this, the command `/lgtm` is shown, circled in green. A green arrow points from this command to a subsequent comment from the **k8s-ci-robot** bot, which states "k8s-ci-robot added the **lgtm** label 25 days ago". This bot comment is also enclosed in a green rounded rectangle. Below this, another comment from **k8s-ci-robot** states "[APPROVALNOTIFIER] This PR is **APPROVED**". The final part of the screenshot shows the pull request merged by **k8s-ci-robot** into the `kubernetes:master` branch, with buttons for "View details" and "Revert".

girikuncoro commented 25 days ago Member + 😊 ...

Thanks for your contribution!

`/lgtm`

`/approve`

k8s-ci-robot added the **lgtm** label 25 days ago

k8s-ci-robot commented 25 days ago Member + 😊 ...

[APPROVALNOTIFIER] This PR is **APPROVED**

This pull-request has been approved by: [girikuncoro](#)

The full list of commands accepted by this bot can be found [here](#).

The pull request process is described [here](#)

► Details

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

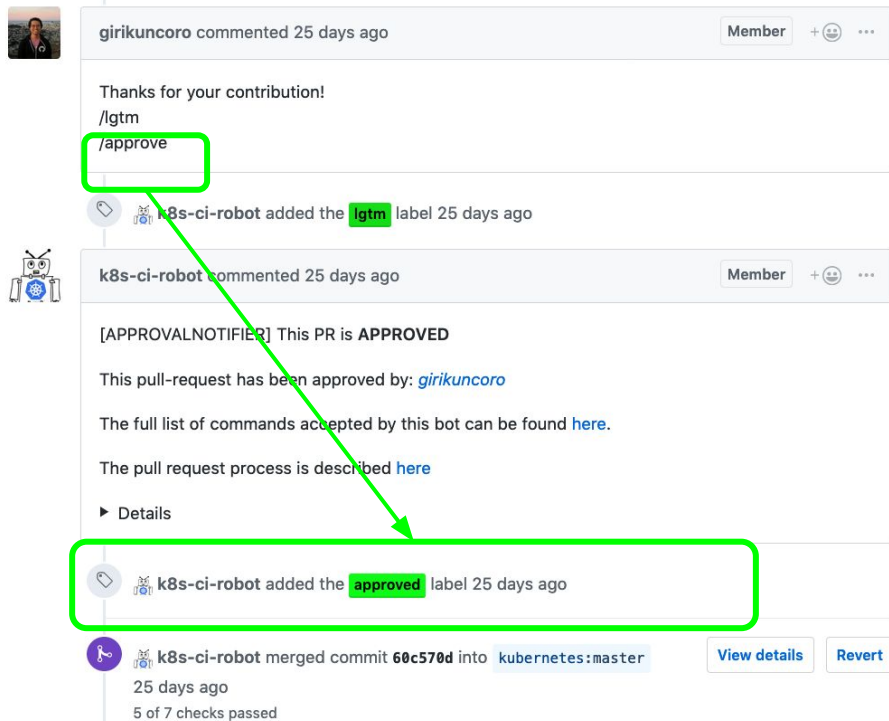
k8s-ci-robot merged commit `60c570d` into `kubernetes:master` 25 days ago 5 of 7 checks passed

[View details](#) [Revert](#)



Labels for required for publication: **approved**

`/approve` from owners



The screenshot shows a GitHub pull request comment thread. The first comment is from user `girikuncoro`, posted 25 days ago, with the text: "Thanks for your contribution! /lgtm /approve". The `/approve` text is highlighted with a green box. A green arrow points from this box to a second comment from the bot `k8s-ci-robot`, also posted 25 days ago. This bot comment contains the text: "[APPROVALNOTIFIER] This PR is APPROVED. This pull-request has been approved by: girikuncoro. The full list of commands accepted by this bot can be found here. The pull request process is described here. Details". A green box highlights the bottom of this comment, where it says "k8s-ci-robot added the approved label 25 days ago". Below this, another comment from `k8s-ci-robot` states "k8s-ci-robot merged commit 60c570d into kubernetes:master" with buttons for "View details" and "Revert".



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

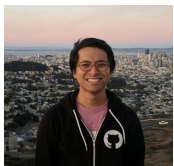
5 of 7 checks passed



Approvers/Reviewers for sig-docs-id



Approvers



- Giri Kuncoro (@girikuncoro)



- Irvi Aini (@irvifa)



Reviewers

- Yudi Phanama (@phanama)



- Danni Setiawan (@danninov)



- Iqbal Farabi (@qbl)



