

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://cnf.io>

Google Developer Expert



You can find me at [@girikuncoro](#)



Today's Tutors



- Joshua Bezaleel ([@joshuabezaleel](https://twitter.com/joshuabezaleel))



- Zufar Dhiyaulhaq ([@zufardhiyaulhaq](https://twitter.com/zufardhiyaulhaq))

Cloud Native Computing Foundation

Graduated



Orchestration



Monitoring



Service Proxy



Distributed Tracing API



Logging



Remote Procedure Call



Container Runtime



CNI
Networking API



Distributed Tracing



Software Update Spec



Security



Service Discovery



Container Runtime

Incubating



Storage



Messaging



Service Mesh



Package Management



Storage



Registry



Key/Value Store



Policy

Contributing is Not only about code

It is about helping a community



Community



slack.kubernetes.io



Kubernetes Jump to... Jump to... < >

Irvi Aini

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
o Irvi Aini (you)
● Giri Kuncoro
● Giri Kuncoro, Yudi A Pha...
c² Luc Perkins
○ Rael Garcia
○ Reda Benzair
○ Rémy Léone
○ Tim Bannister
● Yudi A Phanama, Giri Ku...
c² Zach Corleissen

Channels
announcements

#kubernetes-docs-id

★ | 8 28 | 2 | Add a topic

Video recording already included

Friday, July 26th

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

Sunday, July 28th

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

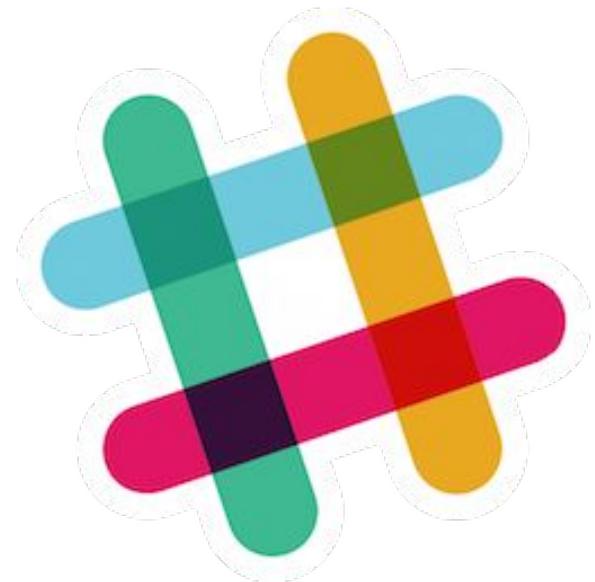
Labels
cnfc-cla: yes, language/id, sig/docs, size/L

kubernetes/website | Jul 30th | Added by GitHub

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

Yesterday

Search @ ☆



git.k8s.io



Kubernetes GitHub repository page

The screenshot shows the GitHub repository for Kubernetes. The repository has 68 repositories, 853 people, 293 teams, and 27 projects. The pinned repositories include:

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

At the bottom, there are search and filter options: "Find a repository...", "Type: All", and "Language: All".



[youtube.com/c/kubernetescommunity](https://www.youtube.com/c/kubernetescommunity)



YouTube - YouTube

https://www.youtube.com/c/kubernetescommunity/videos

Kubernetes

10,885 subscribers

SUBSCRIBED 10K

VIDEOS

HOME PLAYLISTS COMMUNITY CHANNELS ABOUT

Uploads PLAY ALL SORT BY

Subscriptions Library

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

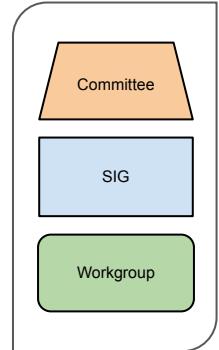
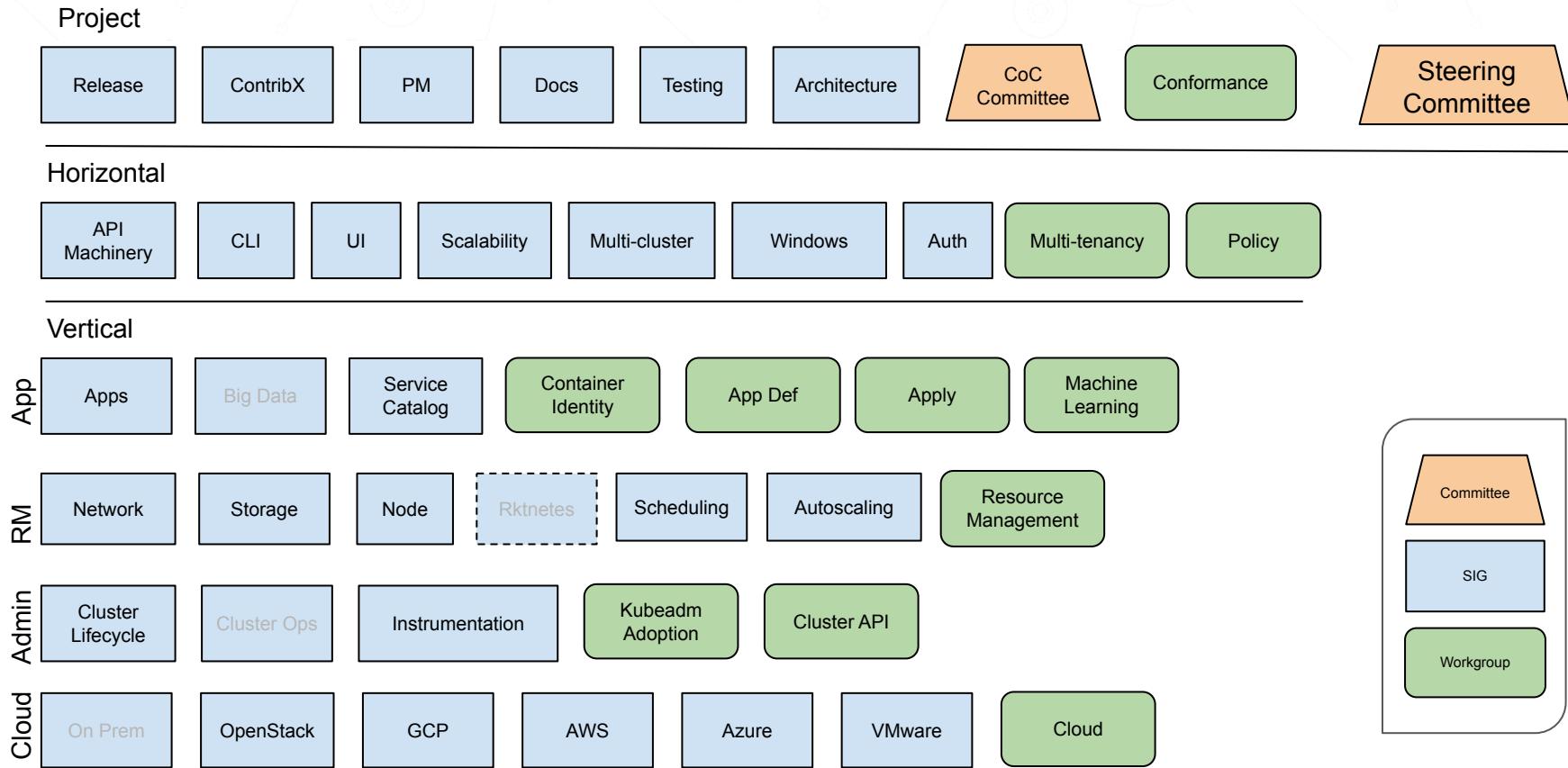
Groups for facilitating communication and discovery of information

Committees

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

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





<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>

The screenshot shows the Kubernetes Contributor Role Board on the discuss.kubernetes.io website. At the top, there's a navigation bar with the Kubernetes logo, a search icon, a menu icon, and a user profile icon. Below the header, a large banner features a yellow help wanted sign with the text "HELP WANTED". To the right of the sign, a welcome message reads: "Welcome to the Contributor Role Board. This is a place to connect Volunteers Looking to Help with SIGs and Working Groups looking for help." Below the banner, there are tabs for "Contributors" (which is highlighted in blue), "Role Board" (red), "Latest" (grey), and "Top" (grey). Further down, there's a section for "Topic" with a "Replies" and "Activity" link, and a post from a user named Jane Containerface with a timestamp of "Sep '18".



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.

Want to contribute to kubernetes/kubernetes?
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.

Dismiss ...

Filters Labels 190 Milestones 16 New issue

Clear current search query, filters, and sorts

Author	Labels	Projects	Milestones	Assignee	Sort
2,115 Open ✓ 28,100 Closed					
<p>① Volumes are created in container with root ownership and strict permissions area/docker 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</p>					
<p>② Node flapping between Ready/NotReady with PLEG issues area/reliability kind/bug sig/network sig/node triage/unresolved 174 #45419 opened on May 5, 2017 by deitech ↗ v1.15</p>					
<p>③ Umbrella issue for the Linux Foundation (CNCF) CLA system lifecycle/frozen sig/contributor-experience 152 #27796 opened on Jun 21, 2016 by caniszczk ↗ UX Backlog - Sta...</p>					
<p>④ Facilitate ConfigMap rollouts / management 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</p>					
<p>⑤ Pods stuck on terminating kind/bug sig/storage 141 #51835 opened on Sep 2, 2017 by igorleao</p>					
<p>⑥ Image volumes and container volumes 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</p>					

 **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

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.

Write the Docs in your language

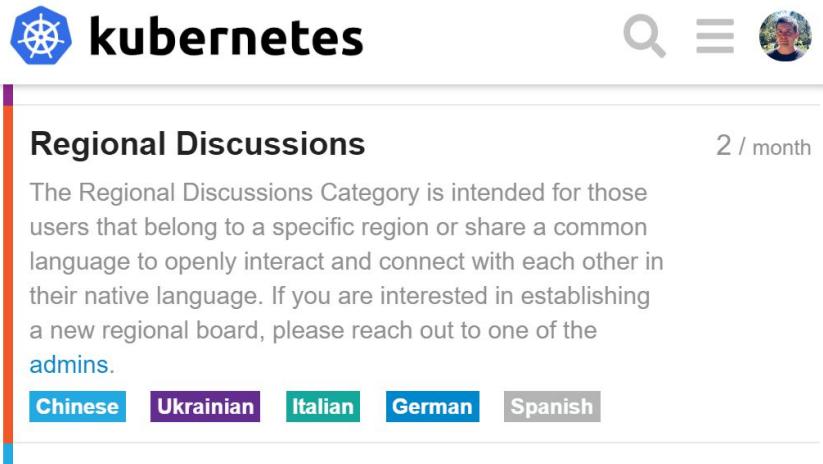


Join the SIG-Docs channel for your language

- [#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>



A screenshot of a Discourse forum page titled "Regional Discussions". The page header includes the Kubernetes logo and navigation links for search, categories, and user profile. Below the title, there is a brief description of the category: "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." At the bottom of the page, there are five language-specific buttons: Chinese, Ukrainian, Italian, German, and Spanish.



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>



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

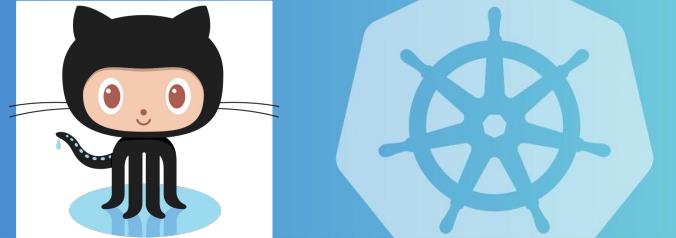
<https://gohugo.io/documentation/>

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>

kubernetes / website

Code Issues 443 Pull requests 146 Projects 2 Wiki Insights

Unwatch ▾ 155 Star 1,277 Fork 4,617

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

11,121 commits 23 branches 34 releases 1 environment 1,917 contributors CC-BY-4.0

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

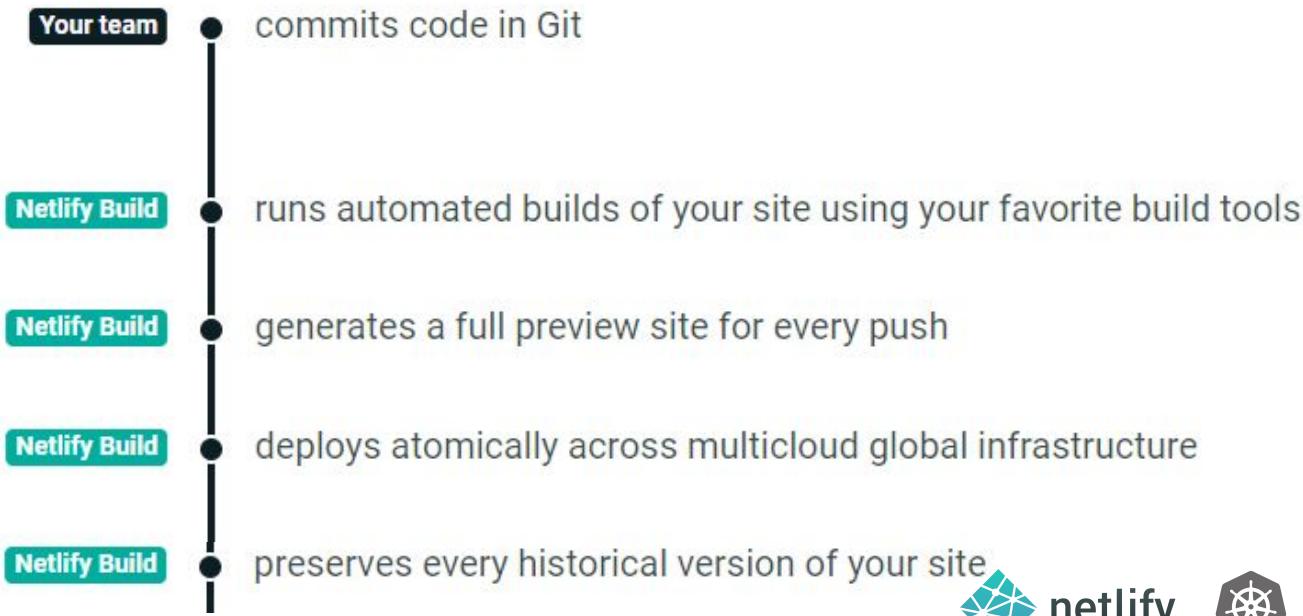


Netlify



netlify.com

The Kubernetes is built and deployed using Netlify



kubernetes

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

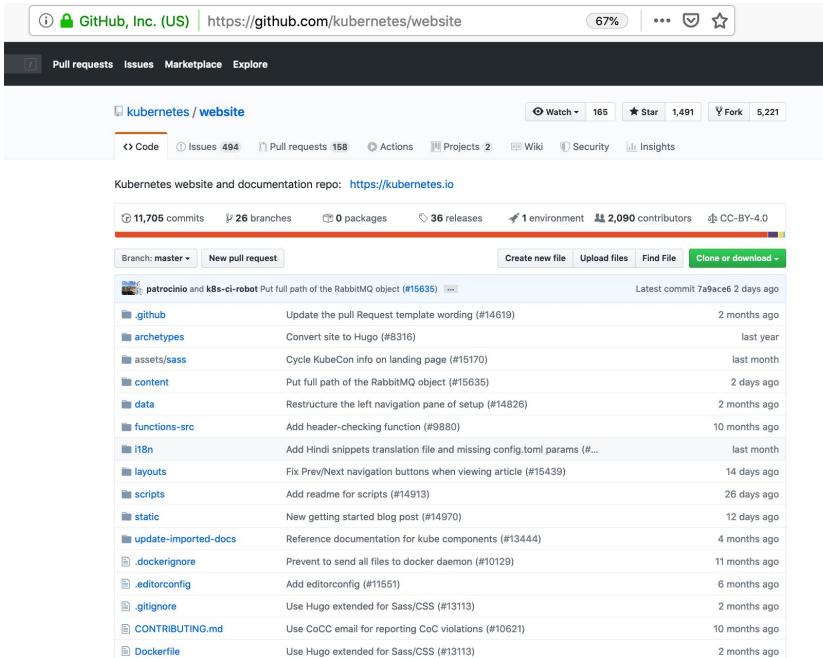
bit.ly/k8s-sig-docs-id-prs

Add new content to the Indonesian docs

bit.ly/k8s-docs-id-m3

label:`language/id`

Fork the kubernetes website repo



A screenshot of the GitHub repository page for 'kubernetes / website'. The page shows basic repository statistics: 11,705 commits, 26 branches, 0 packages, 36 releases, 1 environment, 2,090 contributors, and CC-BY-4.0 license. It features a list of recent commits from various maintainers like 'patriciok' and 'k8s-ci-robot'. The interface includes standard GitHub navigation and repository management tools like 'Create new file', 'Upload files', 'Find File', and 'Clone or download'.

Author	Commit Message	Date
patriciok and k8s-ci-robot	Put full path of the RabbitMQ object (#15635)	2 days ago
.github	Update the pull request template wording (#14619)	2 months ago
archetypes	Convert site to Hugo (#8316)	last year
assets/sass	Cycle KubeCon info on landing page (#15170)	last month
content	Put full path of the RabbitMQ object (#15635)	2 days ago
data	Restructure the left navigation pane of setup (#14826)	2 months ago
functions-src	Add header-checking function (#9880)	10 months ago
i18n	Add Hindi snippets translation file and missing config.toml params (#...)	last month
layouts	Fix Prev/Next navigation buttons when viewing article (#15439)	14 days ago
scripts	Add readme for scripts (#14913)	26 days ago
static	New getting started blog post (#14970)	12 days ago
update-imported-docs	Reference documentation for kube components (#13444)	4 months ago
.dockerignore	Prevent to send all files to docker daemon (#10129)	11 months ago
.editorconfig	Add editorconfig (#11551)	6 months ago
.gitignore	Use Hugo extended for Sass/CSS (#13113)	2 months ago
CONTRIBUTING.md	Use CoCC email for reporting CoC violations (#10621)	10 months ago
Dockerfile	Use Hugo extended for Sass/CSS (#13113)	2 months ago



Forking kubernetes/website

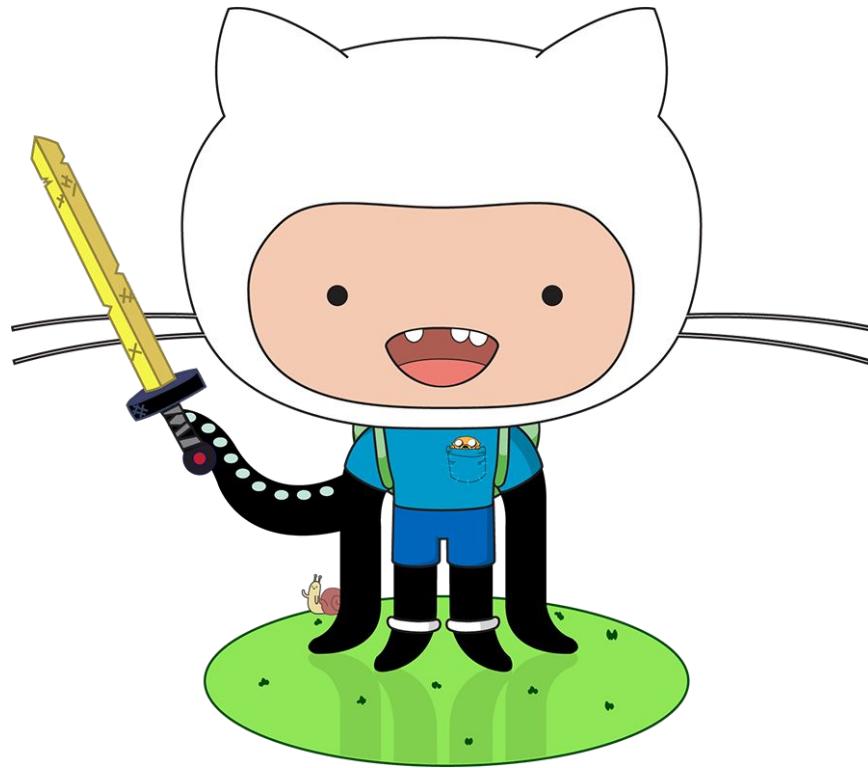
It should only take a few seconds.

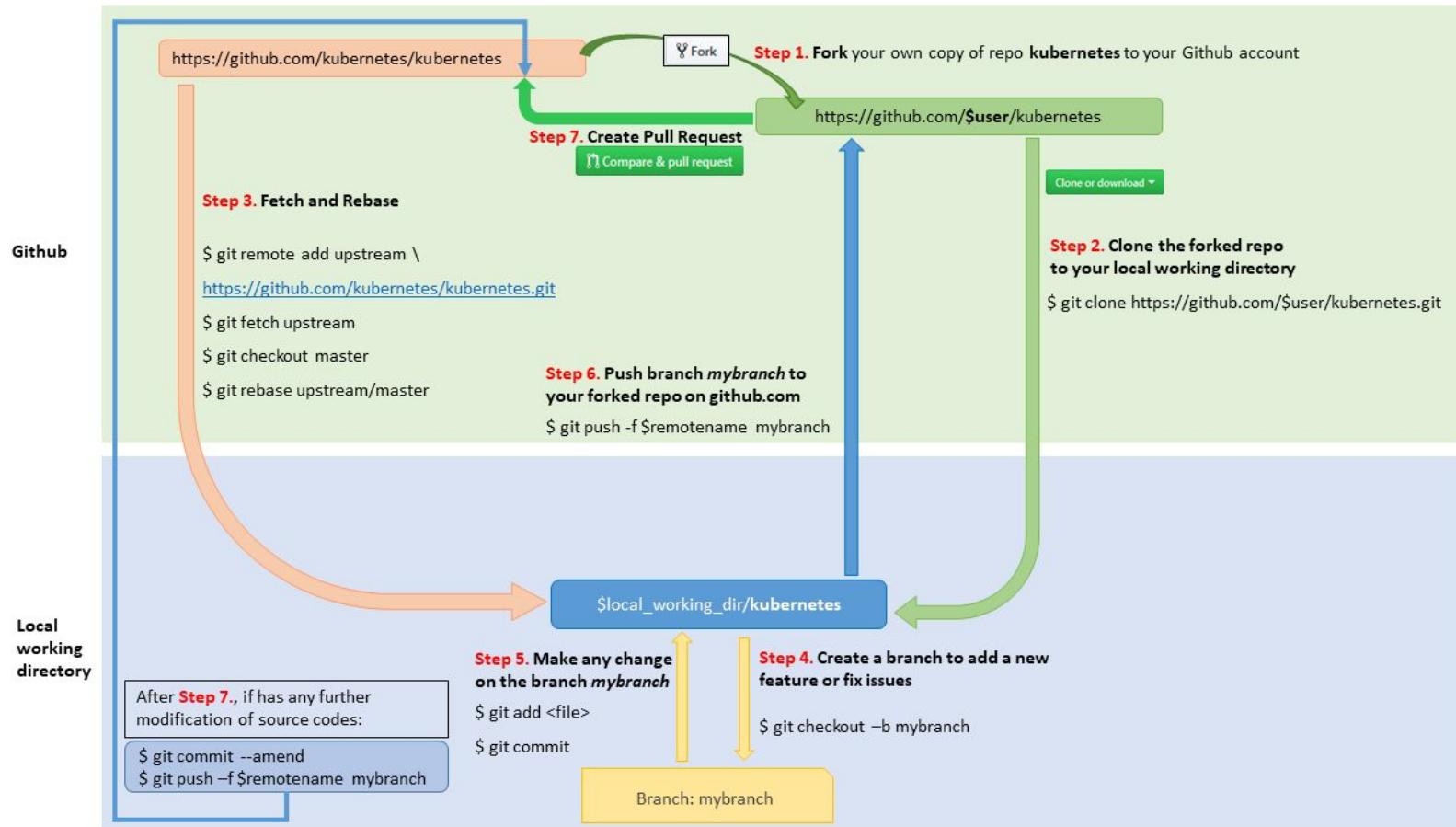


<https://github.com/kubernetes/website>



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/etcfd.md
```

```
→ website git:(some-feature) ✘ git add content/id/docs/reference/glossary/etcfd.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 Orchestrator

localhost:1313

kubernetes

Documentation Blog Partners Community Case Studies English v1.14

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

femrtnz Merge pull request kubernetes#13902 from femrtnz/master ... Latest commit a06c9c7 27 days ago

Linux Foundation CLA



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

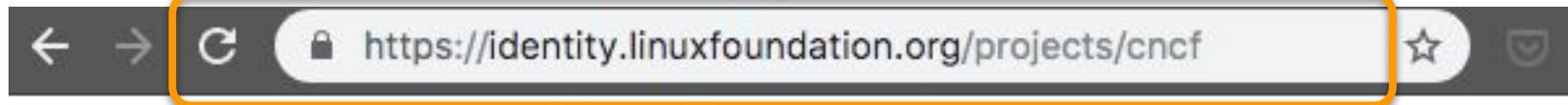
Some checks were not successful

1 failing, 1 pending, 1 neutral, and 4 successful checks

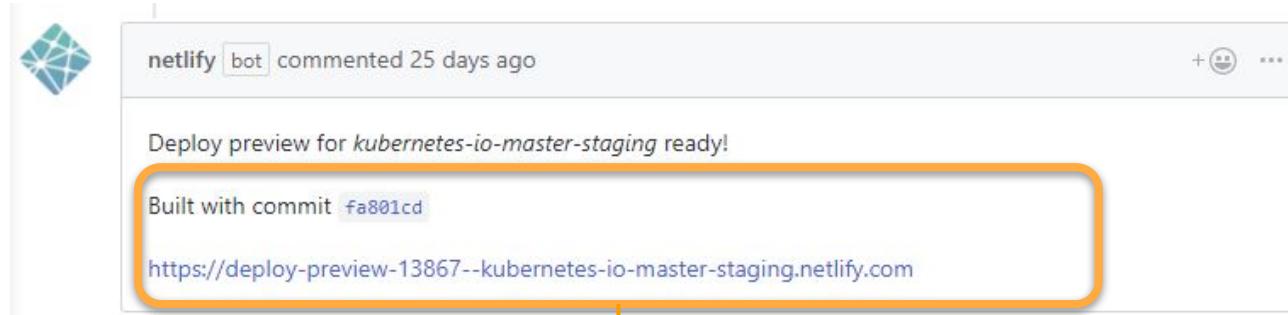
Required [Details](#)

x cla/linuxfoundation — SpireCat needs CLA

tide Pending — Not mergeable. Needs cncf-cla: yes label.



Build succeeded: Preview site



Build succeeded: Next Steps

 **Review requested** Show all reviewers

Review has been requested on this pull request. It is not required to merge. [Learn more](#).

 **Some checks haven't completed yet** Hide all checks

1 pending, 1 neutral, and 5 successful checks

-  **tide** Pending — Not mergeable. Needs approved, lgtm labels. [Details](#)
-  **Pages changed** Completed in 8m — 1984 new files uploaded [Details](#)
-  **Header rules** Successful in 8m — 1 header rule processed [Details](#)
-  **Mixed content** Successful in 8m — No mixed content detected [Details](#)
-  **Redirect rules** Successful in 8m — 506 redirect rules processed [Details](#)
-  **cla/linuxfoundation** — SuhwanCha authorized [Required](#) [Details](#)

 **This branch has no conflicts with the base branch**
Merging can be performed automatically.

[Merge pull request](#) You can also open this in [GitHub Desktop](#) or view command line instructions.



Labels for required for publication: **lgtm**

/lgtm from reviewers

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**

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

25 days ago
5 of 7 checks passed



Labels for required for publication: **approved**

/approve from owners

The screenshot shows a GitHub pull request interface with several annotations:

- A green box highlights the command `/approve` in the comment section of the first commit.
- A green arrow points from this box to another green box highlighting the `approved` label added by the bot.
- The top commit has a comment from `k8s-ci-robot` adding the `lgtm` label.
- The second commit has a comment from `k8s-ci-robot` adding the `approved` label.
- The bottom commit shows the merge of the `60c570d` commit into `kubernetes:master`, with a note that 5 of 7 checks passed.



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



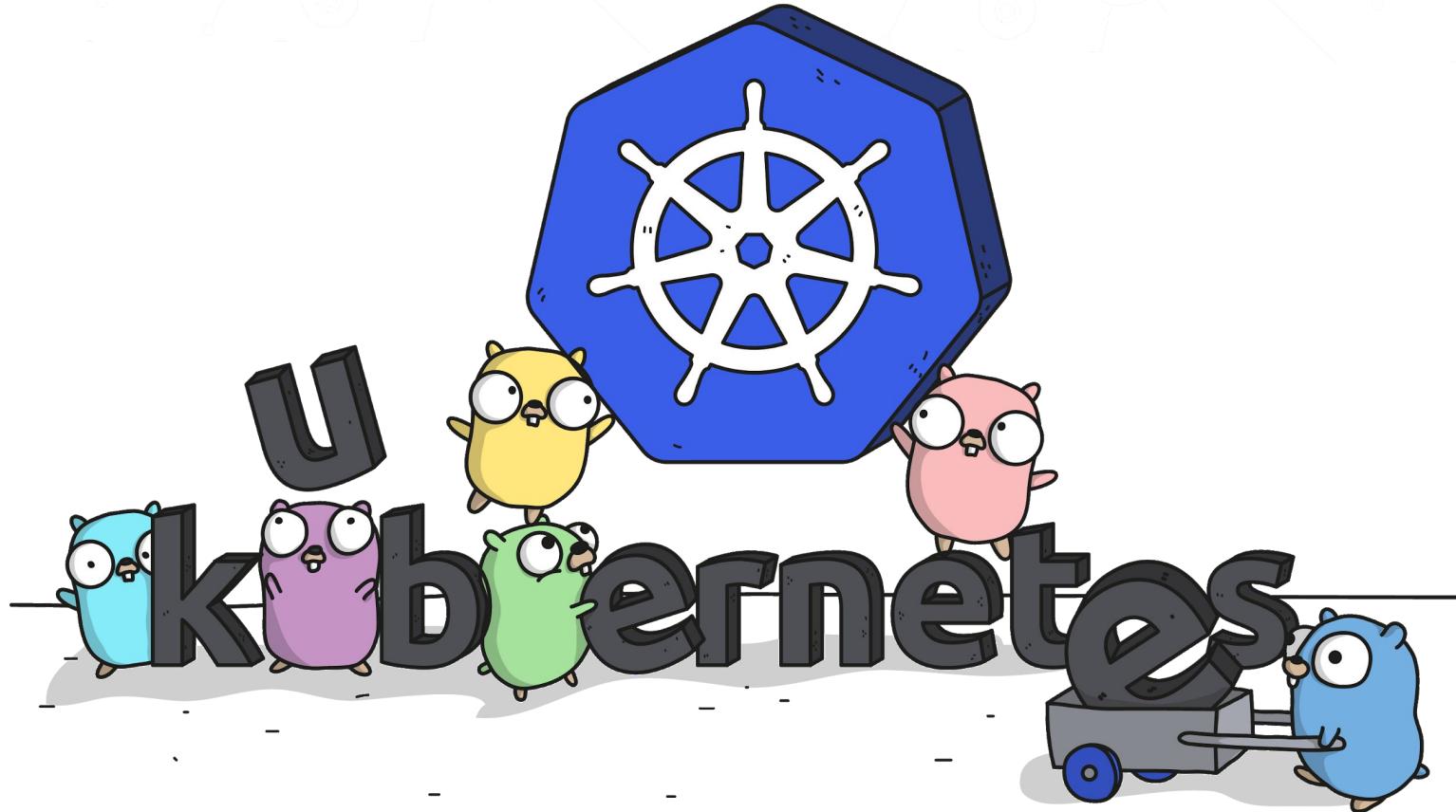
- Yudi Phanama (@phanama)



- Danni Setiawan (@danninov)



- Iqbal Farabi (@qbl)



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