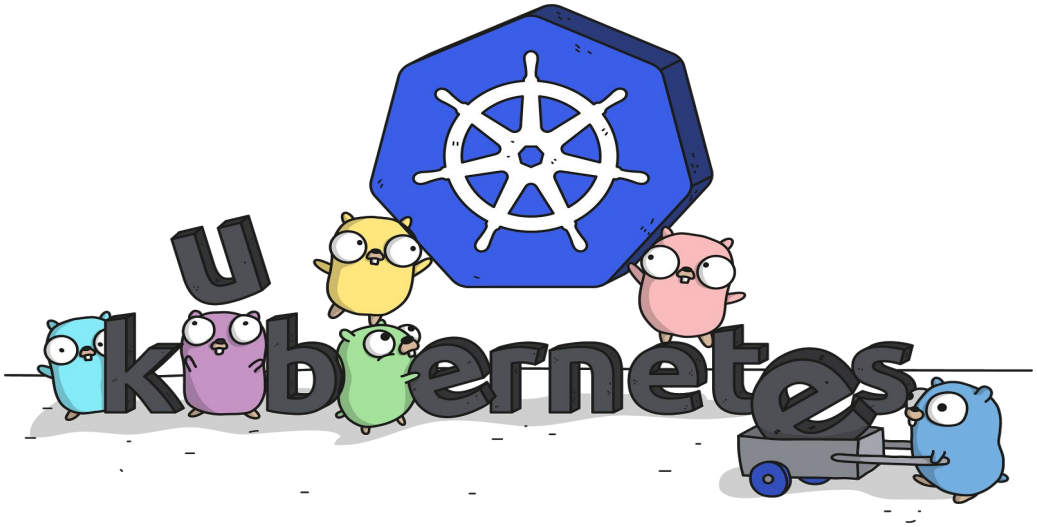
How To Contribute To



Credits: [Ashley McNamara]

WHO AM I?

- Hi, I am Nikhita Raghunath!
- Intern at RedHat
- Google Summer of Code 2017 student with CNCF (Kubernetes)
- You can find me on:
  - Github - nikhita
  - Twitter - TheNikhita

Contributing is Not only about code

It is about helping a community

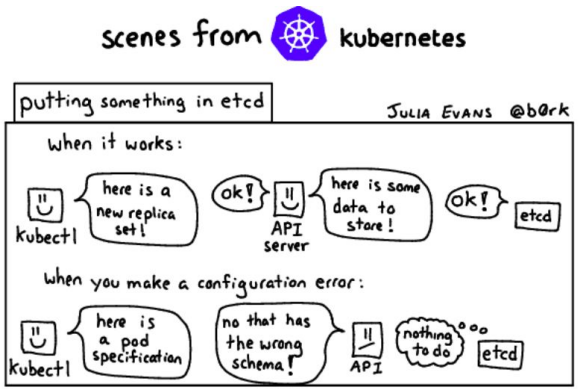
Help the Community

- Blogposts
- StackOverflow
- Slack
- Note-taking
- Be a part of the release team
- Project management
- Technical architecture

“There is a home for every skill”

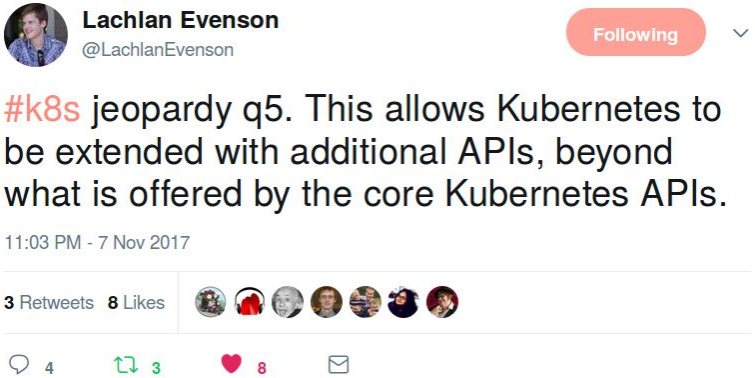
GET CREATIVE!

Draw and explain



[Julia Evans]

Jeopardy!



[Lachlan Evenson]

Contributing Code!

1. Choose what to work on

"I don't know Go"

THAT'S OK!

1. Choose your language

- Go - kubernetes/kubernetes
- Python - kubernetes-incubator/client-python
- C# - kubernetes-client/csharp
- Java - kubernetes-client/java
- Javascript - kubernetes-client/javascript
- Ruby - kubernetes-client/ruby
- Typescript - kubernetes-client/typescript

2. Choose your project

- Kubernetes
- Helm
- Kops
- Minikube
- Dashboard

..and many more!

"K8s size is overwhelming"

Let's break it down!

3. Choose a SIG

SIG = Special Interest Group

Complete list: https://github.com/kubernetes/community/blob/master/sig-list.md

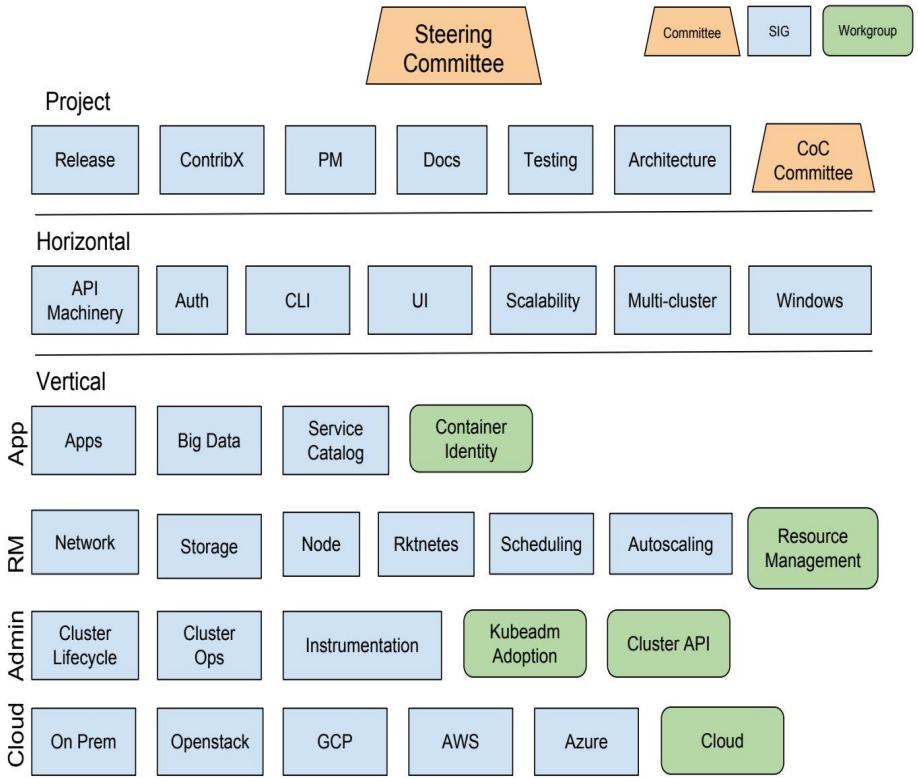


Image Source

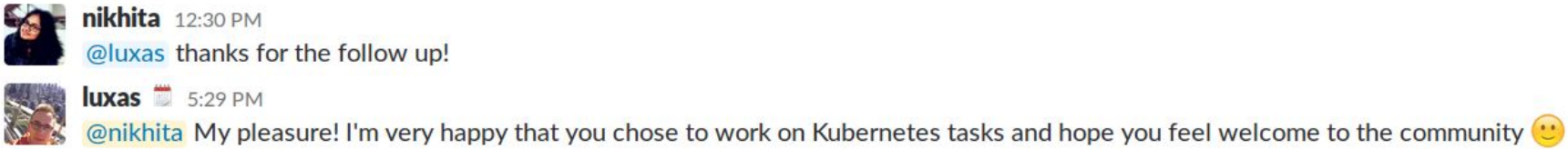
"Everyone is so smart. It's intimidating!"

They are smart and nice. Don't be scared!

4. Reach out!

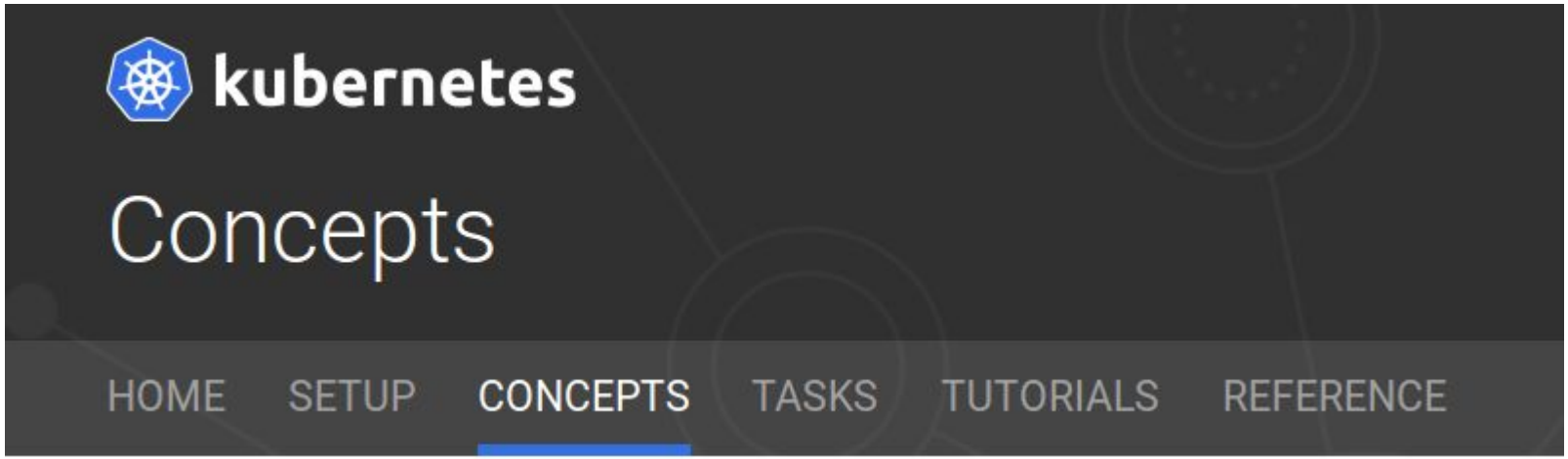
Via:

- The SIG Slack channel
- Regular SIG video meetings
- SIG mailing lists



2. Understanding the architecture

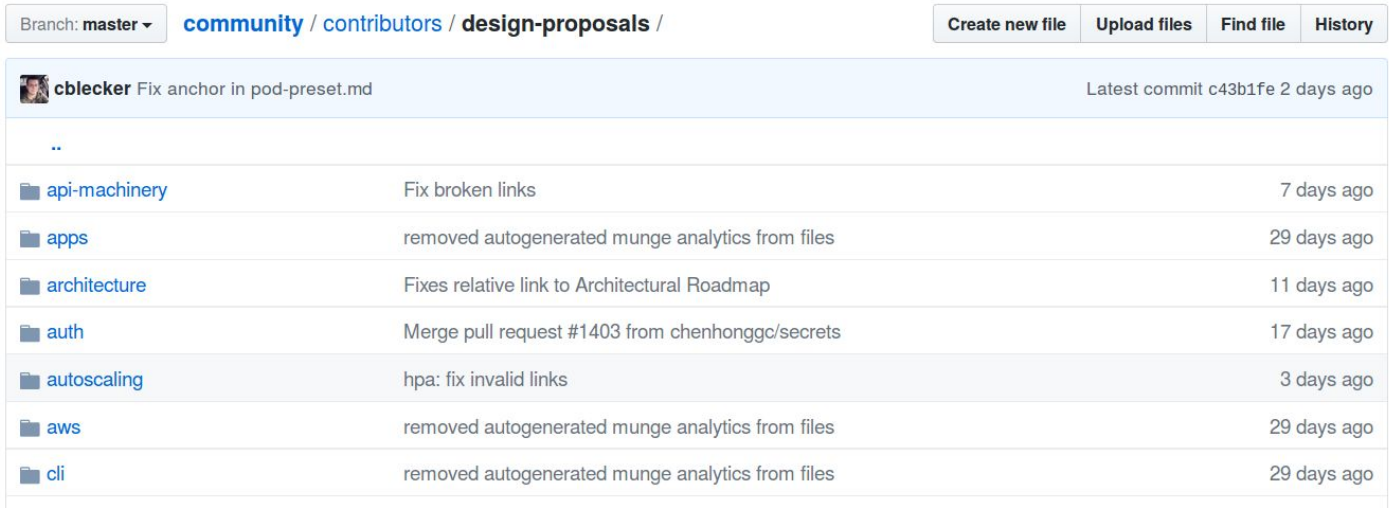
1. Docs



Start here:
https://kubernetes.io/docs/concepts

2. Design Proposals

Understand the architecture and explore the design proposals!



Branch: master ▾ **community** / contributors / **design-proposals** /

Create new file | Upload files | Find file | History

cblecker Fix anchor in pod-preset.md — Latest commit c43b1fe 2 days ago

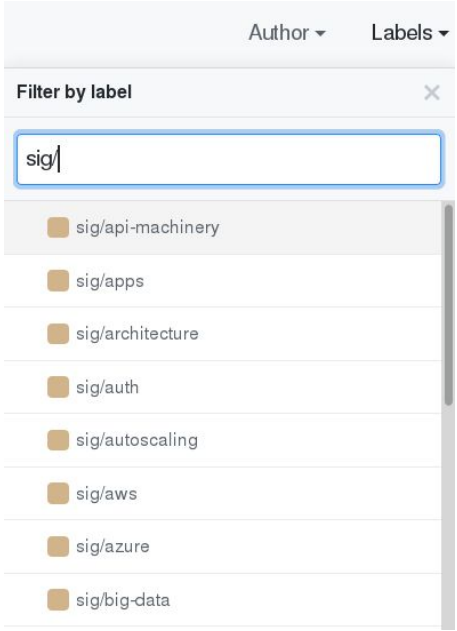
..		
api-machinery	Fix broken links	7 days ago
apps	removed autogenerated munge analytics from files	29 days ago
architecture	Fixes relative link to Architectural Roadmap	11 days ago
auth	Merge pull request #1403 from chenhonggc/secrets	17 days ago
autoscaling	hpa: fix invalid links	3 days ago
aws	removed autogenerated munge analytics from files	29 days ago
cli	removed autogenerated munge analytics from files	29 days ago

"Design proposals are hard to understand"

Read them again
to let it slowly soak in
And
Ask questions

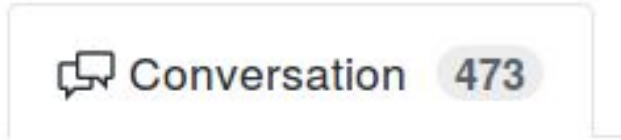
@TheNikhita

3. Checkout PRs/Issues



Filter using labels

Read the comments



4. Docs (again!)

But this time **YOU** write it!

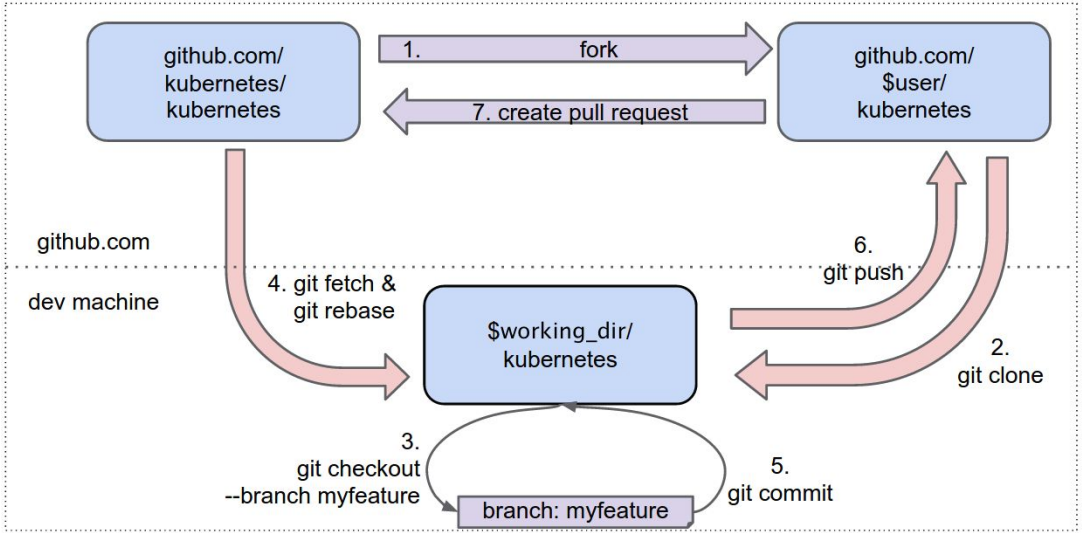
4. Docs (again!)

But this time **YOU** write it!

BOOM...YOU HAVE ALREADY CONTRIBUTED NOW!

3. Making Code changes

1. Setup dev environment



Community repo:
https://github.com/kubernetes/community/tree/master/contributors/devel

2. Choose an issue

- A good first issue - `is:open is:issue label:for-new-contributors label:help-wanted`

- Ask!
  - your mentor
  - in a SIG slack channel
  - in SIG meetings
  - on mailing lists

3. PR process

- Try to fix the problem
- Ask for help if needed
- Get initial review and address comments
- Write and fix tests
- Ask for approval and get it merged!

4. Triage and Test!

Triage Issues
Test new releases

THIS. WOULD. BE. VERY. HELPFUL.

5. Roadmap

Special mentoring program coming soon!

https://github.com/kubernetes/community/tree/master/mentoring