



Contributing To Go



Cambridge Gophers Workshop



I'm Sue Spence

Software Developer, Longtime Go Aficionado & SRE

Go was designed and implemented at
Google



The language has been 100% open source
from the outset



The Go team at Google **welcomes**
contributions from the community



Let's See How It's Done

Google Provides Documentation for Contributing to Go

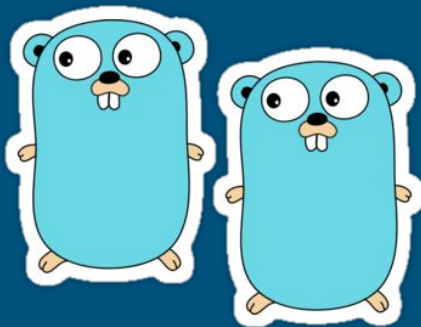
<https://golang.org/doc/contribute.html>

We'll refer to that guide
EXTENSIVELY



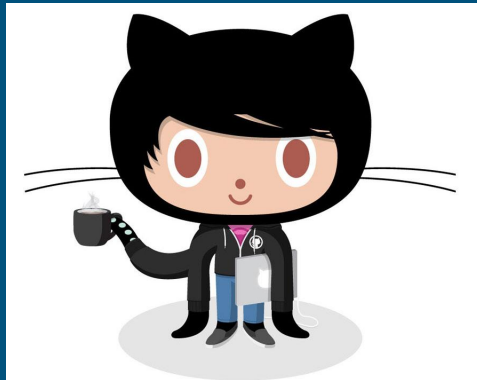
The authoritative version of Go:

[`https://go.dev/doc/go1.18`](https://go.dev/doc/go1.18)



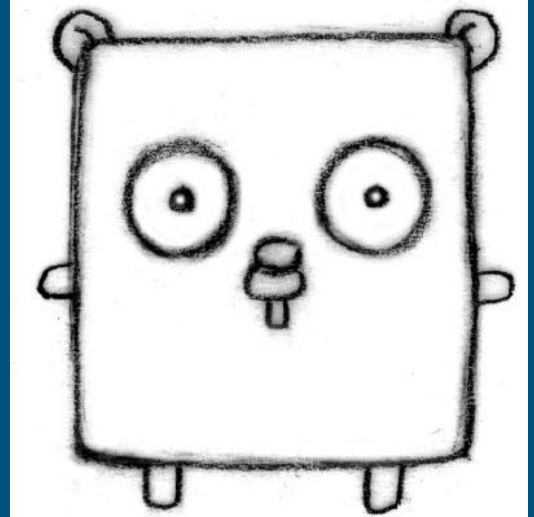
This is mirrored on GitHub

<https://github.com/golang/go>



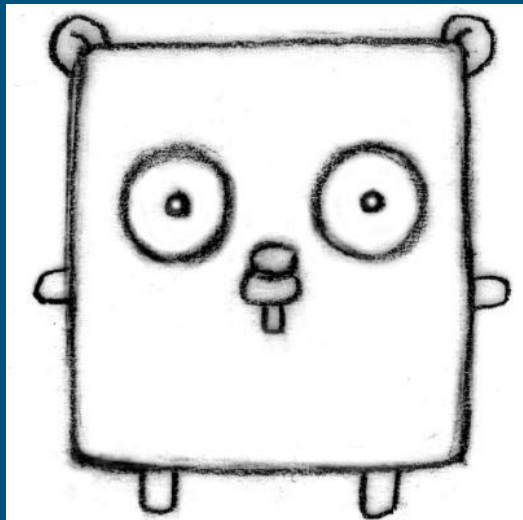
Why Github?

1. Open to the Public



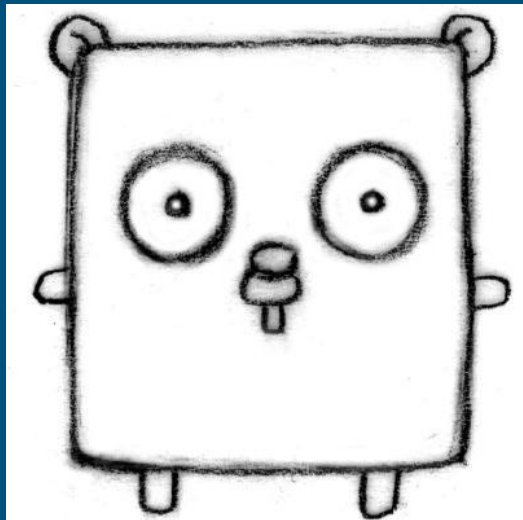
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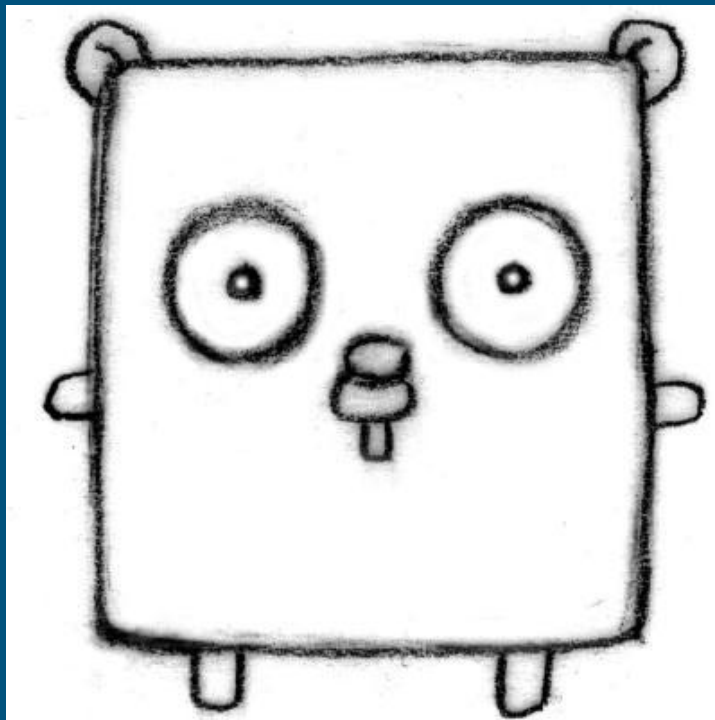
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2. Good Integrated Issue Tracker



Why Github?

1. Open to the Public
2. Good Integrated Issue Tracker
3. Automation Friendly





Meet Gopherbot, the link between Github and Gerrit

Some Necessary Items

- A Google account (pick one if you have more than one account)

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- A Gerrit account
- Sign the Google Contributor License Agreement

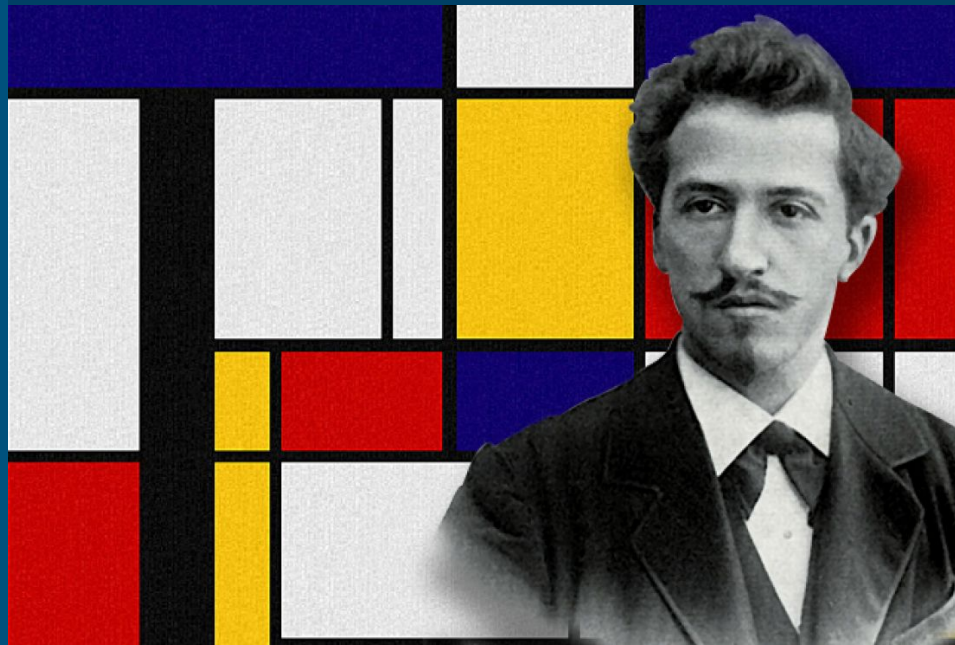
- Install git-codereview if you like

```
$ go get -u golang.org/x/review/git-codereview
```

What is that Gerrit thing?

It's a Code Review System

Inspired by Mondrian



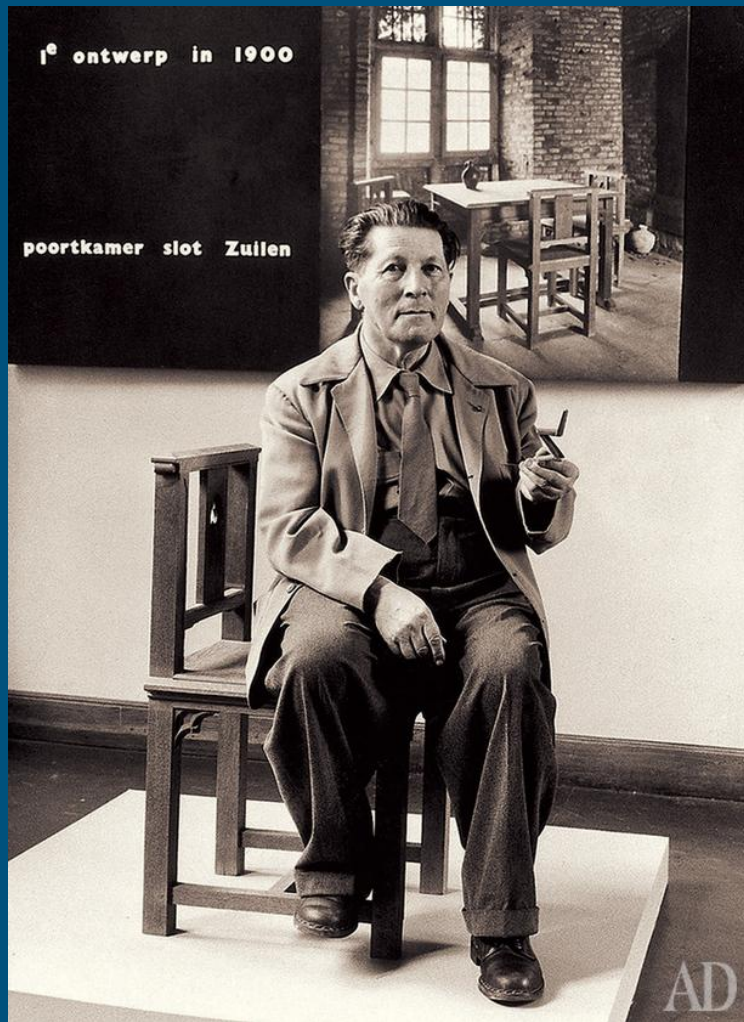
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- Rietveld is a Google Cloud rewrite
- Gerrit is a fork of Rietveld



Guido van Rossum
wrote all of them



Gerrit Rietveld, famous Dutch architect, on his iconic chair

Any Contribution to Go Must Be Linked to a
GitHub Issue

<https://github.com/golang/go/issues>

All Contributions are Reviewed in Gerrit

Gerrit uses “scores” & comments for code review

-2: this shall not be merged

-1: I would prefer this is not merged as is

0: no score, can be applied to a regular ol' comment

+1: looks good to me, but someone else must approve

+2: looks good to me, approved (Go team only)

Every change needs **+2** before it gets merged.

You Can Set Up for Go
Contribution Manually

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(That's What I Did)

Automated Setup Tool

```
go get -u golang.org/x/tools/cmd/go-contrib-init
```

Then run `go-contrib-init`

Pick a Method, Let's Get Started





GitHub Method

1. Find (or create) an issue you would like to fix
2. Fork `golang/go` (or related x repo, e.g. `golang/sys`)
3. Create a branch
4. Make changes
5. Submit a pull request

Follow the Contribution Guide
to use `git-codereview` instead of
GitHub

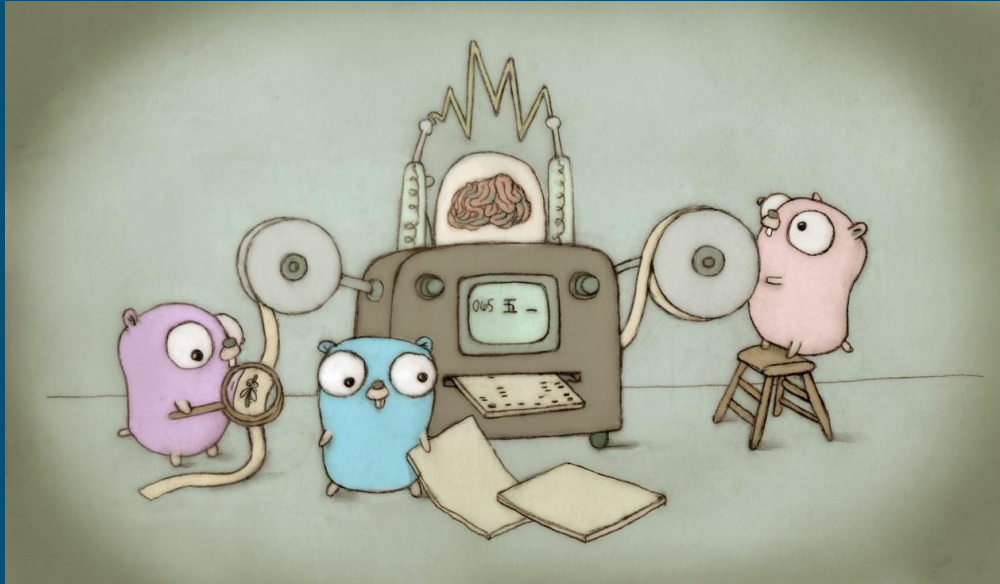
Go For It

If You Dare...

Acknowledgements

- Daniel Martí (GitHub mvdan)
- London Go Meetup Contribution Workshop
- “How to Contribute to Go” <https://goo.gl/pjeuFg>
- Go Blog, Contribution Workshop
<https://blog.golang.org/contributor-workshop>
- Go Time #44 <https://changelog.com/gotime/44>

Thank You For Listening!





Many Thanks to Speechmatics
for Hosting Cambridge Gophers