The Go Open Source Project's Innards

~25 Tools in ~25 Minutes

GothamGo
bradfitz@golang.org
2016-11-18

Video: https://youtu.be/jC_zMLzCS-8

“What would you say… you *do* here?”

GothamGo

bradfitz@golang.org

2016-11-18

Tools & Processes

VCS & Code review & CI & Downloads & Bugs & Milestones...

Just use Github?

Just use Github + Travis?

History

svn –> p4 –> hg –> git

mondrian –> rietveld –> gerrit

Just use Github?

Kinda.

Github Issues

I found a bug or missing feature in Go!

golang / go

Unwatch 1,847 Unst

Code | Issues 2,378 | Pull requests 1 | Projects 0 | Wiki | Pulse | Graphs

Please review the guidelines for contributing to this repository.

GO NEEDS BLAHBLAH

Write | Preview

Please answer these questions before submitting your issue. Thanks!

What version of Go are you using (`go version`)?

What operating system and processor architecture are you using (`go env`)?

What did you do?
If possible, provide a recipe for reproducing the error.
A complete runnable program is good.
A link on play.golang.org is best.

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Submit new issue

Blocked

Builders

Documentation

ExpertNeeded

FeatureRequest

FrozenDueToAge

GarbageCollector

Go2

HelpWanted

LanguageChange

LongTerm

OS-Windows

Performance

Proposal-Accepted

Proposal-Declined

Proposal-Hold

Proposal

RaceDetector

RaceReport

Security

Started

Suggested

Testing

Thinking

golang.org/issue{,s}/{new,N}

Set milestone

Filter milestones

Open Closed

Go1.8Maybe
Due by January 31, 2017

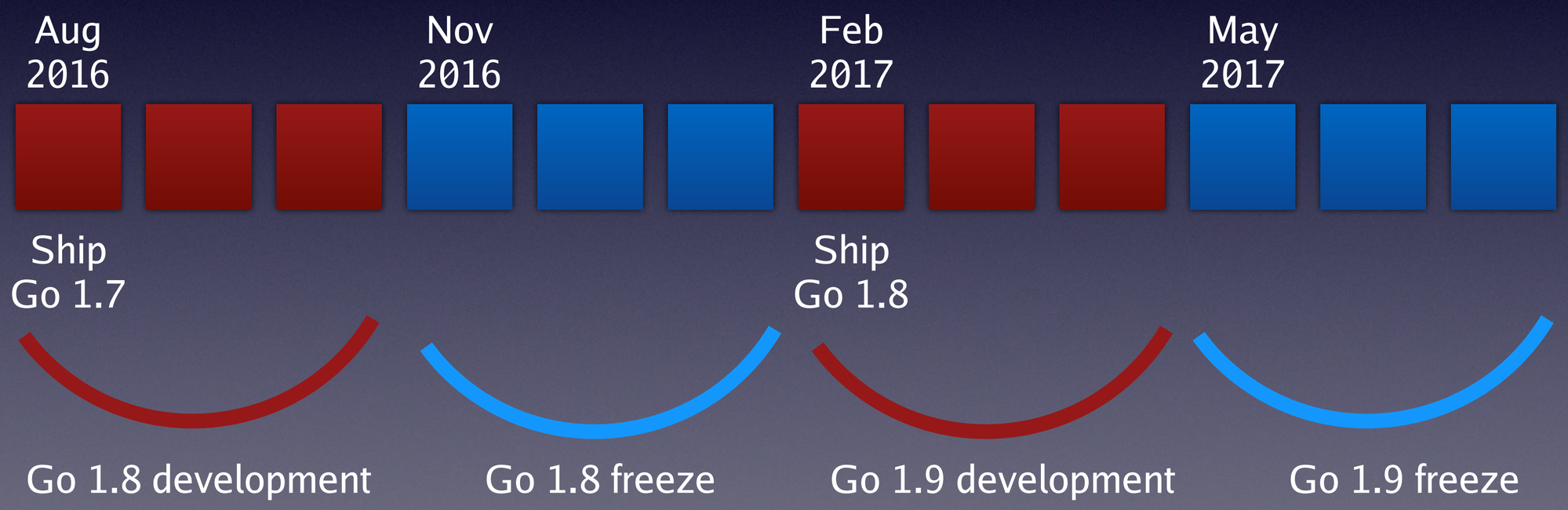
Go1.9
Due by July 31, 2017

Go1.9Early
Due by April 30, 2017

Go1.9Maybe
Due by August 1, 2017

Proposal
No due date

Go Release Cycle



Discussion?

Any gophers in Gopherville?

Write Preview

Hey everybody! Nice to meet you!

I live in Gopherville and wonder if there's any Go meetups in Gopherville.

Also, what do you think of this program: https://play.golang.org/p/doj6Bg2Tip

And is Go a better alternative to Blarglang?

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

Styling with Markdown is supported

Submit new issue

bradfitz commented 6 days ago

For questions about Go, see https://golang.org/wiki/Questions

golang.org/wiki/Questions

–> Github Wiki

Asking Questions

Unlike many projects on GitHub, the Go project does not use its bug tracker for general discussion or asking questions. We only use our bug tracker for tracking bugs and tracking proposals going through the Proposal Process.

For asking questions, see:

- The golang-nuts mailing list
- The Go Forum, a web-based forum
- Gophers Slack, Use the invite app for access.
- Stack Overflow with questions tagged "go"
- **IRC** channel #go-nuts on Freenode

If we closed your question on GitHub, we apologize. Please ask the question on one of the above forums.

golang-nuts@googlegroups.com

https://groups.google.com/group/golang-nuts

Google

Search for topics

B

Groups

NEW TOPIC | Mark all as read | Actions | Filters

My groups
Home
Starred

Favorites

Click on a group's star icon to add it to your favorites

Recently viewed
- golang-nuts
- golang-dev
- syzkaller
- SketchUp General
- comp.os.plan9

Recent searches
- goimports
- goimports (in gola…
- RunWithMainThre…
- superfreeze (in go…
- "help wanted" (in …

golang-nuts

Shared publicly

30 of 27338 topics (99+ unread) G+1

Manage · Members · About

There are 3 pending messages to review

Welcome to golang-nuts, a general discussion list for the **Go Programming Language**.

Your question may have been answered already. Before asking, please search the group archive and check the Go Frequently Asked Questions page. Also see the Go documentation index.

Please follow the Go Community Code of Conduct while posting here. In short:

- Treat everyone with respect and kindness.
- Be thoughtful in how you communicate.
- Don't be destructive or inflammatory.
- If you encounter an issue, please mail conduct@golang.org.

Note: This group is moderated. If you are a first-time poster it may take 24 hours for your post to appear in the group.

Edit welcome message Clear welcome message

.net core vs go (42)
By Luca Looz - 42 posts - 2062 views 2:52 PM

Memcached replacement in GO! (3)
By Slawomir Pryczek - 3 posts - 51 views 2:52 PM

rows.Scan null values in database/sql error (11)
By Milan P. Stanic - 11 posts - 3492 views 2:00 PM

golang-nuts@
golang-announce@
golang-dev@

Changing code

(CLs, PRs, diffs, patches)

Code | Issues 2,373 | Pull requests 1 | Projects 0 | Wiki | Pulse | Graphs

Update HMAC FIPS link to current version #13824

Closed **kkirsche** wants to merge 1 commit into `golang:master` from `unknown repository`

Conversation 3 | Commits 1 | Files changed 1

kkirsche commented on Jan 5 go contributor

The link provided was superseded by a new version. This updates the link to the newest version.

`Update FIPS link to recent version` ··· cf27ac4

x/build/cmd/pushback

kkirsche commented on Jan 5 go contributor

The link provided was superseded by a new version. This updates the link to the newest version.

`Update FIPS link to recent version` ··· cf27ac4

gopherbot commented on Jan 5 Go member

Hi! Thanks for the PR!

However, our project doesn't use GitHub's Pull Requests,
so we can't accept your contribution this way.

We instead use a code review system called Gerrit.
You can find the details in our Contribution Guidelines:
https://golang.org/doc/contribute.html

I'm going to close this Pull Request now.
Please consider sending this change using Gerrit.

gopherbot closed this on Jan 5

Contribution Guidelines - The

personal

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

Go

Documents | Packages | The Project | Help | Blog | Play | Search

Contribution Guidelines

- Introduction
- Discuss your design
- Testing redux
- Code review
  - Set up authentication for code review
  - Register with Gerrit
  - Contributor License Agreement
  - Install the git-codereview command
  - Set up git aliases
  - Understanding the git-codereview command
  - Switch to the master branch
  - Make a change
  - Mail the change for review
  - Reviewing code
  - Revise and upload
  - Synchronize your client
  - Reviewing code by others
  - Submit the change after the review
  - More information
- Copyright

Introduction

This document explains how to contribute changes to the Go project. It assumes you have followed the installation instructions and have written and tested your code.

Home - Google CLA

Gopher

https://cla.developers.google.com/clas

Google Developers

Logged in as bradfitz@golang.org

About | Manage Agreements

Products > Open Source Programs Office

Contributor License Agreements

Individual Agreements

Individual agreements we have on file for you:

Agreement	Name	Date Signed	Manage
Google Individual CLA	Brad Fitzpatrick	Dec 09, 2014 15:19 PST	Edit Contact Information

Sign a new agreement:

You plan to submit contributions on behalf of:

Only Yourself | Your Employer

```
$ git push \
  https://go.googlesource.com/go \
  HEAD:refs/for/master
```

```
$ git push origin HEAD:refs/for/master
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 336 bytes | 0 bytes/s, done.
Total 3 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2)
remote: Processing changes: new: 1, done
remote:
remote: New Changes:
remote:   https://go-review.googlesource.com/33357 all: add generics
remote:
To https://go.googlesource.com/go
 * [new branch]      HEAD -> refs/for/master
```

golang.org/x/review/git-codereview

```
$ git push origin HEAD:refs/for/master
$ git commit –a —amend
$ git push origin HEAD:refs/for/master
```

```
$ git mail
$ git commit -a —amend
$ git mail
```

https://dev.golang.org/

x/build/devapp

Go CL dashboard
Thu Nov 17 21:23:20 UTC 2016

about the dashboard

115 Pending CLs

Pending CLs

all

CL 32879 all: single space after period
shurcool → **???**, 9/9 days, waiting for reviewer

build

CL 33357 Add Demo.
bradfitz → **???**, 0/0 days, waiting for reviewer
CL 33144 build: fix cross-compile on Plan 9
rsc → 0intro+2, 6/6 days, waiting for author #17737
CL 30278 build: use NetBSD 7.0.1 for the GCE builder.
bsiegert → bradfitz, 43/44 days, waiting for author #8643

cmd/api

CL 31364 cmd/api: API check all GOOS/GOARCH combinations
quentin → rsc-2, 28/30 days, waiting for author #14892

cmd/compile/internal/gc

CL 33156 cmd/compile/internal/gc: Document variables and functions
kev → **bradfitz**, 4/5 days, waiting for reviewer
CL 32141 cmd/compile/internal/gc: show flow edges in escape tracing
hirochachacha → drchase, 21/21 days, waiting for author
CL 31851 cmd/compile: add intrinsic for reading caller's pc
drchase → bradfitz, 5/24 days, waiting for author
CL 22751 cmd/compile: add test generator for control and data flow
drchase → **bradfitz, 30**/197 days, waiting for reviewer
CL 25361 cmd/compile: fix conversion error message for printed slices
emm.odeke → **josharian, 45**/110 days, waiting for reviewer #15055
CL 22200 cmd/compile: set line numbers for imported objects
gri → **mdempsky, 16**/212 days, waiting for reviewer

Gerrit

PolyGerrit Changes Your Search

33356: cmd/go: document default GOPATH — doc/code.html ▼

Prev / Next

Patch set: Base gitiles → 1 gitiles / Download

Side By Side / Preferences

File

@@ +10↑ - Show 112 common lines - +10↓

```
113 <p>
114 Commands and libraries are built from different kinds of source packages.
115 We will discuss the distinction <a href="#PackageNames">later</a>.
116 </p>
117
118
119 <h3 id="GOPATH">The <code>GOPATH</code> environment variable</h3>
120
121 <p>
122 The <code>GOPATH</code> environment variable specifies the location of your
123 workspace. It is likely the only environment variable you'll need to set
124 when developing Go code.
125 </p>
126
127 <p>
128 To get started, create a workspace directory and set <code>GOPATH</code>
129 accordingly. Your workspace can be located wherever you like, but we'll use
130 <code>$HOME/work</code> in this document. Note that this must <b>not</b> be the
131 same path as your Go installation.
132 (Another common setup is to set <code>GOPATH=$HOME</code>.)
133 </p>
```

File

@@ +10↑ - Show 112 common lines - +10↓

```
113 <p>
114 Commands and libraries are built from different kinds of source packages.
115 We will discuss the distinction <a href="#PackageNames">later</a>.
116 </p>
117
118
119 <h3 id="GOPATH">The <code>GOPATH</code> environment variable</h3>
120
121 <p>
122 The <code>GOPATH</code> environment variable specifies the location of your
123 workspace. If the variable is not set it defaults to <code>$HOME/go</code>
124 for Unix systems, <code>$home/go</code> for Plan 9, and <code>%USERPROFILE%\go</code>
125 for Windows (usually <code>C:\Users\{username}\go</code>)
126 </p>
127
128 <p>
129 If you'd like to keep your Go source code in a directory other than the default,
130 another common setup is to set <code>GOPATH=$HOME</code>, set <code>GOPATH</code>
```

DRAFT 9:39 PM ▼

this is confusing

Edit Discard

```
131 accordingly. Your workspace can be located wherever you like.
132 Note that this must <b>not</b> be the same path as your Go installation.
133 </p>
```

PolyGerrit Changes Your Search

33356: cmd/go: document default GOPATH

Pick Rebase

Updated
7:06 PM

Owner
Francesc Campo

Reviewers
Add reviewer

CC
Add CC

Project
go

Branch
master

Topic
Click to add topic

Strategy
Cherry Pick

Code-Review

Run-TryBot

TryBot-Result

Label Status
Needs Code-Review label

Owner Francesc Campoy Flores

Reviewers Add reviewer...
CC Add CC...

Just two things...

Code-Review -2 -1 0 +1 +2

Run-TryBot 0 +1

TryBot-Result

2 Drafts

doc/code.html:

PS1, Line 130: this is confusing

doc/go_faq.html:

PS1, Line 1091: add a comma after "key"

Send Cancel

PolyGerrit Changes Your status:open Search

#	Subject	Status	Owner	Project	Branch	Updated	Size	CR	DNR	RTB	TBR
33361	spec: clarify type elision rules for composite literals		Robert Griesemer	go	master	8:37 PM	+6, -5	✓			
33362	proposal/6282: Add benchmark code		Brendan Tracey	proposal	master	8:33 PM	+240, -0				
23834	passwordcredentials: add		Joseph Holsten	oauth2	master	8:11 PM	+183, -0				
33356	cmd/go: document default GOPATH		Francesc Campoy Flores	go	master	7:06 PM	+81, -94				
33359	guru: Added workaround to handle inconsistency between go/types and gc		Rebecca Stambler	tools	master	6:30 PM	+56, -6				
33148	runtime/pprof: emit count profiles with debug=0 as proto profiles		Michael Matloob	go	master	5:04 PM	+69, -19			✓	✓
33158	go/build: fix missing not found error for Import of local import path		Dmitri Shuralyov	go	master	4:37 PM	+40, -4				
32442	cmd/compile: make a copy of Phi input if it is still live		Cherry Zhang	go	master	4:24 PM	+26, -2	✓		✓	✓
33093	cmd/compile: insert scheduling checks on some loop backedges		David Chase	go	master	3:26 PM	+318, -31			✓	✓
33235	runtime: make work.bytesMarked 8-byte aligned		Cherry Zhang	go	master	2:41 PM	+16, -13			✓	✓
33350	cmd/{asm,internal/obj/s390x}, math: fix and clean up float op encoding		Michael Munday	go	master	2:35 PM	+44, -126	+1		✓	✓
31638	text/template: add option "missingkey=errornil"		Özgür Kesim	go	master	2:01 PM	+39, -4				
33264	os: more of issue #15588 investigation		Alex Brainman	go	master	3:50 AM	+143, -10		✗		
32810	cmd/trace: fix goroutine view		Austin Clements	go	master	1:38 AM	+122, -62	✓		✓	✓
29341	runtime: use cpuset_getaffinity for runtime.NumCPU() on FreeBSD		Albert Smith	go	master	Nov 16	+215, -8	+1			
33165	runtime: do not print runtime panic frame at top of user stack		Russ Cox	go	master	Nov 16	+4, -4	+1		✓	✗

Owner Dmitri Shuralyov

Reviewers Add reviewer...

CC Add CC...

Say something...

Code-Review	-2	-1	0	+1	+2
Run-TryBot	0	+1			
TryBot-Result					

Send Cancel

Trybots & build.golang.org

https://build.golang.org

https://build.golang.org

Go Dashboard

Go | Gccgo | master | show only first-class ports

			darwin			freebsd			linux																			windows		race			openbsd			netbsd	dragonfly	nacl		plan9			solaris	
			x64	x64	x64	386	x64	x64	386	386	386	386	x64	x64	x64	x64	x64	x64	arm	arm	arm	arm64	mips	mips64	mips64le	mipsle	ppc64	ppc64le	s390x	386	x64	freebsd	linux	windows	386	x64	arm	386	x64	386	amd64p32	386	x64	arm	x64	x64
d24b57a	…	18 Nov 01:19	runtime: …	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok		fail		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok			ok	ok
e54662d	gri	18 Nov 00:21	go/types:…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	ok	ok	fail
b21743c	agl	17 Nov 20:53	crypto/tls:…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	fail	fail	ok	fail
c099459	…	17 Nov 20:21	crypto/tls:…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	ok	ok	fail
5cd6ab5	v…	17 Nov 19:58	runtime/p…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
05dc6b2	…	17 Nov 19:30	runtime: i…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	fail		ok	fail
7061dc3	i…	17 Nov 19:03	cmd/cgo:…	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
c1e9760	…	17 Nov 18:54	archive/zi…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
90b8a0c	k…	17 Nov 18:13	database…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	fail	ok	ok	ok	ok	ok	ok	fail
e0942b7	…	17 Nov 17:40	cmd/asm…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	fail		ok	ok
afb0ae6	…	17 Nov 16:54	runtime/p…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	fail	ok	ok
4ca3a8f	…	17 Nov 16:31	misc/cgo:…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	fail	ok	ok
fd0f69c	…	17 Nov 16:27	net: use t…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	ok		ok	fail
7534a72	…	17 Nov 15:29	fmt: fix typo	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	ok		ok	fail
03ca047	…	17 Nov 07:55	debug/pe…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	fail	ok	ok	fail
dadfd14	…	17 Nov 07:03	os: add …	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	fail	fail	ok	fail
b8d56fd	…	17 Nov 06:43	net: twea…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	fail	ok	ok	fail
b2d34fa	l…	17 Nov 04:36	runtime: …	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	ok	ok	fail
a1235f3	j…	17 Nov 03:24	crypto/tls:…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	fail	ok	fail
011cb64	i…	17 Nov 01:19	cmd/com…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	fail	fail	ok	fail
fbf9243	i…	17 Nov 00:18	doc: add …	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	ok	ok	ok
48858a2	…	17 Nov 00:15	net/http: …	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail	ok	ok	ok
14e9f48	…	17 Nov 00:10	cmd/cove…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
d7c0de9	s…	17 Nov 00:09	database…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	fail	ok	ok	ok	fail		ok	fail
0df762e	kev	16 Nov 23:25	net: add …	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
fe057c1	i…	16 Nov 23:10	runtime/c…	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
8dc47e3	…	16 Nov 22:30	net: disa…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	ok	ok	ok	fail		ok	fail
49b77a8	k…	16 Nov 22:21	database…	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	fail	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	ok
81627f0	…	16 Nov 22:09	net: defla…	ok	ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	ok	fail	ok	fail	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail
9f5673d	…	16 Nov 22:05	cmd/com…	ok	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	fail	ok	fail	ok	ok	ok	ok	fail	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok		fail	ok	ok	ok	ok	fail		ok	fail

newer | older | latest

Sub-repositories at tip (d24b57a)

			darwin			freebsd			linux																			windows		race			openbsd			netbsd	dragonfly	nacl		plan9			sola
			x64	x64	x64	386	x64	x64	386	386	386	386	x64	x64	x64	x64	x64	x64	arm	arm	arm	arm64	mips	mips64	mips64le	mipsle	ppc64	ppc64le	s390x	386	x64	freebsd	linux	windows	386	x64	arm	386	x64	386	amd64p32	386	x64	arm	x64
arch	c49399f	…	15 Nov 21:48	ppc64/pp…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			ok
blog	165bdf8	r	17 Nov 22:57	content/g…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			ok
crypto	9477e0b	…	31 Oct 18:08	chacha2…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			fail
exp	0396204	…	15 Nov 00:53	shiny/ico…																																			fail						fail
image	d2f07f8	…	18 Nov 00:40	font/gofo…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			ok
mobile	b8794a2	…	03 Nov 14:40	cmd: upd…																																			fail						fail
net	4971afd	…	16 Nov 07:50	ipv6: don'…	ok	ok	ok	ok	fail	ok			fail			fail														ok	ok				fail	fail			ok			fail			ok
oauth2	d5040cd	li…	07 Nov 20:33	google: r…																																			ok						ok
review	e973841	jbd	05 Nov 19:49	x/review/…	ok	ok	ok	ok	ok	ok			ok			ok		ok												fail	fail				ok	ok			fail			ok			fail
sync	1ae7c7b	…	04 Oct 23:36	singleflig…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			ok
sys	b699b70	…	10 Nov 16:12	x/sys/uni…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			ok
talks	ac86449	t…	16 Nov 14:40	2016/prot…	ok	ok	ok	ok	ok	ok			ok			ok		ok												ok	ok				ok	ok			ok			ok			ok

Trybots

(pre-submit testing)

Owner Dmitri Shuralyov

Reviewers Add reviewer...

CC Add CC...

Say something...

Code-Review	-2	-1	0	+1	+2
Run-TryBot	0	+1			
TryBot-Result					

Send Cancel

x/build/cmd/coordinator

farmer.golang.org

Go Build Coordinator

Dashboard Builders

Running

1 total builds active. Uptime 146h17m40s. Version bradfitz-2016-11-12T00:33:19Z.

Active Trybot Runs

```
Change-ID: go~master~Ibe805585b597e5d3570807115940a1dc4535c03f Commit: a210e202231598e6734
   Remain: 0, fails: []
  darwin-amd64-10_11: running=false
  linux-386: running=false
  linux-amd64: running=false
  linux-amd64-race: running=false
  linux-amd64-ssacheck: running=false
  freebsd-amd64-gce101: running=false
  windows-386-gce: running=false
  windows-amd64-gce: running=false
  openbsd-amd64-gce58: running=false
  nacl-386: running=false
  nacl-amd64p32: running=false
  linux-arm: running=false
  misc-compile-netbsd: running=false
  misc-compile: running=false
  misc-compile-plan9: running=false
  misc-compile-ppc: running=false
```

Remote buildlets

- **user-quentin-linux-arm-0**, created 29m47.950935303s ago, expires in 29m58.481652381s

Buildlet pools

- **GCE pool** capacity: 0/5000 instances; 178/500 CPUs
- **Kubernetes pool** capacity:
  - 14 CPUs running, 0 CPUs pending, 160 total CPUs in cluster
  - 14000000Ki memory running, 0 memory pending, 620147684Ki total memory in cluster
  - buildlet-linux-kubestd-rn8a814fa, 75h28m36.253785091s
  - buildlet-linux-kubestd-rne4a981f, 74h48m15.550704098s
  - buildlet-linux-kubestd-rn54b1627, 57h9m56.73180684s
  - ... 87 of 93 total omitted ...
  - buildlet-linux-kubestd-rn11f8868, 4h51m22.304899286s
  - buildlet-linux-kubestd-rn29d1bd2, 4h51m17.49193426s
  - buildlet-linux-kubestd-rnd8641f2, 4h50m44.046999423s
- **Reverse pool summary**
  - host-darwin-10_10: 0/2
  - host-darwin-10_11: 0/17
  - host-darwin-10_8: 0/1
  - host-linux-arm: 5/49
  - host-linux-arm64-linaro: 0/1
  - host-linux-mips: 1/1
  - host-linux-mips64: 0/1
  - host-linux-mipsle: 0/1

Reverse pool machine detail

- gomacmini-a.local (216.239.44.25:43195) version 7, : connected 7h44m50.487166162s, *idle* for 5.971368313s
- gomacmini-c.local (216.239.44.25:47659) version 7, : connected 7h44m52.522928857s, *idle* for 3.993140292s
- mac_10_10_host3a (207.254.3.58:49397) version 7, host-darwin-10_10: connected 1h14m14.117941208s, *idle* for 5.773045687s
- mac_10_10_host4b (207.254.3.58:59941) version 7, host-darwin-10_10: connected 1h20m13.326172516s, *idle* for 2.637180583s
- mac_10_11_host10a (207.254.3.58:56848) version 7, host-darwin-10_11: connected 1h26m41.013216183s, *idle* for 872.717825ms
- mac_10_11_host10b (207.254.3.58:54159) version 7, host-darwin-10_11: connected 1h26m44.346212695s, *idle* for 6.225608878s
- mac_10_11_host1a (207.254.3.58:55908) version 7, host-darwin-10_11: connected 1h26m44.528354191s, *idle* for 11.610526303s
- mac_10_11_host1b (207.254.3.58:64577) version 7, host-darwin-10_11: connected 1h26m44.733859353s, *idle* for 4.448224415s
- mac_10_11_host2a (207.254.3.58:59858) version 7, host-darwin-10_11: connected 1h26m3.509443523s, *idle* for 5.118066302s
- mac_10_11_host2b (207.254.3.58:58716) version 7, host-darwin-10_11: connected 1h26m8.84351008s, *idle* for 8.732187279s
- mac_10_11_host3b (207.254.3.58:55950) version 7, host-darwin-10_11: connected 1h25m3.493065231s, *idle* for 4.54940069s
- mac_10_11_host5a (207.254.3.58:60239) version 7, host-darwin-10_11: connected 1h26m15.694810779s, *idle* for 12.040897611s
- mac_10_11_host5b (207.254.3.58:54183) version 7, host-darwin-10_11: connected 1h25m9.723048907s, *idle* for 7.643303377s
- mac_10_11_host6a (207.254.3.58:62535) version 7, host-darwin-10_11: connected 1h26m13.07650781s, *idle* for 9.786085012s
- mac_10_11_host6b (207.254.3.58:55474) version 7, host-darwin-10_11: connected 1h26m43.02880391s, *idle* for 422.600643ms
- mac_10_11_host7a (207.254.3.58:60814) version 7, host-darwin-10_11: connected 1h25m19.5139166s, *idle* for 4.490366049s
- mac_10_11_host7b (207.254.3.58:55381) version 7, host-darwin-10_11: connected 1h26m47.739971187s, *idle* for 10.473693345s
- mac_10_11_host8a (207.254.3.58:49861) version 7, host-darwin-10_11: connected 1h25m11.198317413s, *idle* for 11.975678732s
- mac_10_11_host8b (207.254.3.58:64231) version 7, host-darwin-10_11: connected 1h26m43.882388026s, *idle* for 5.946944884s
- mac_10_11_host9a (207.254.3.58:49562) version 7, host-darwin-10_11: connected 1h26m13.396482836s, *idle* for 1.827574241s
- mac_10_11_host9b (207.254.3.58:61494) version 7, host-darwin-10_11: connected 1h26m15.646955626s, *idle* for 4.332588469s
- mac_10_8_host4a (207.254.3.58:49810) version 7, host-darwin-10_8: connected 1h12m8.763002207s, *idle* for 1.797130181s
- scaleway-prod-01 (212.47.237.50:40632) version 7, host-linux-arm: connected 4h48m16.251730781s, *idle* for 10.016829089s
- scaleway-prod-02 (212.47.249.230:57600) version 7, host-linux-arm: connected 2h12m56.272375569s, *idle* for 4.759371327s
- scaleway-prod-03 (212.47.240.53:35568) version 7, host-linux-arm: connected 5h40m58.029897934s, working for 30m41.2438341
- scaleway-prod-04 (212.47.236.33:38256) version 7, host-linux-arm: connected 5h6m8.075896034s, *idle* for 1.651582598s
- scaleway-prod-05 (212.47.247.178:47447) version 7, host-linux-arm: connected 4h46m49.86763454s, *idle* for 6.263810604s
- scaleway-prod-06 (212.47.249.174:44042) version 7, host-linux-arm: connected 30m5.095258494s, *idle* for 5.658037473s
- scaleway-prod-07 (212.47.251.127:46300) version 7, host-linux-arm: connected 2h12m50.998491818s, *idle* for 4.234784526s
- scaleway-prod-08 (212.47.232.251:58433) version 7, host-linux-arm: connected 5h27m45.06588301s, *idle* for 4.122076033s
- scaleway-prod-09 (212.47.233.126:38701) version 7, host-linux-arm: connected 5h40m50.624493539s, working for 30m12.8869598
- scaleway-prod-10 (212.47.229.41:33842) version 7, host-linux-arm: connected 29m40.721474497s, *idle* for 6.625426287s
- scaleway-prod-11 (212.47.244.89:58789) version 7, host-linux-arm: connected 5h49m6.532596893s, working for 31m18.405538727
- scaleway-prod-12 (212.47.244.69:55678) version 7, host-linux-arm: connected 31m10.080534488s, *idle* for 1.004956681s
- scaleway-prod-13 (212.47.240.107:49875) version 7, host-linux-arm: connected 4h46m50.647096188s, *idle* for 9.32376214s
- scaleway-prod-14 (212.47.232.82:52252) version 7, host-linux-arm: connected 3h35m43.356554353s, *idle* for 2.758565986s
- scaleway-prod-15 (212.47.241.201:57023) version 7, host-linux-arm: connected 1h14m9.792090544s, *idle* for 5.773820815s
- scaleway-prod-16 (212.47.238.224:58952) version 7, host-linux-arm: connected 2h22m3.299228965s, *idle* for 3.990938699s
- scaleway-prod-17 (212.47.231.135:48756) version 7, host-linux-arm: connected 5h5m24.216694753s, *idle* for 2.666504873s
- scaleway-prod-18 (212.47.235.143:48348) version 7, host-linux-arm: connected 5h28m29.127717594s, working for 29m27.3224116
- scaleway-prod-19 (212.47.247.188:32950) version 7, host-linux-arm: connected 5h4m40.149942712s, *idle* for 2.312846418s
- scaleway-prod-20 (212.47.226.150:34340) version 7, host-linux-arm: connected 1h14m19.59811475s, *idle* for 3.573885334s
- scaleway-prod-21 (212.47.241.57:39531) version 7, host-linux-arm: connected 4h47m58.861733982s, *idle* for 1.955329114s
- scaleway-prod-22 (212.47.244.48:32775) version 7, host-linux-arm: connected 4h47m44.786831805s, *idle* for 5.957898679s
- scaleway-prod-23 (212.47.249.223:60276) version 7, host-linux-arm: connected 4h48m13.839450533s, *idle* for 8.798955968s
- scaleway-prod-24 (212.47.229.201:50677) version 7, host-linux-arm: connected 5h5m34.196552824s, *idle* for 7.233561813s
- scaleway-prod-25 (212.47.228.13:57059) version 7, host-linux-arm: connected 5h27m57.77642976s, *idle* for 4.952318379s
- scaleway-prod-26 (212.47.251.170:34510) version 7, host-linux-arm: connected 5h18m25.836862466s, *idle* for 6.343002516s
- scaleway-prod-27 (212.47.248.197:35473) version 7, host-linux-arm: connected 29m19.602503131s, *idle* for 546.664664ms
- scaleway-prod-28 (212.47.244.120:48930) version 7, host-linux-arm: connected 5h28m12.900926306s, *idle* for 3.858560953s
- scaleway-prod-29 (212.47.242.197:47443) version 7, host-linux-arm: connected 1h50m34.255506006s, *idle* for 5.546009954s
- scaleway-prod-30 (212.47.244.132:35455) version 7, host-linux-arm: connected 3h35m21.057143322s, *idle* for 5.990139812s

Messages

David Chase
Uploaded patch set 1: Run-TryBot+1.

Reply

Austin Clements set reviewer status for Austin Clements to REVIEWER.

Keith Randall set reviewer status for Keith Randall to REVIEWER.

Gobot Gobot
Patch Set 1:

TryBots beginning. Status page: http://farmer.golang.org/try?commit=8774825e

Reply

Gobot Gobot
Patch Set 1:

Build is still in progress...
This change failed on darwin-amd64-10_11:
See https://storage.googleapis.com/go-build-log/8774825e/darwin-amd64-10_11_6f3b8d99.log

Consult https://build.golang.org/ to see whether it's a new failure. Other builds still in progress; subsequent failure notices suppressed until final report.

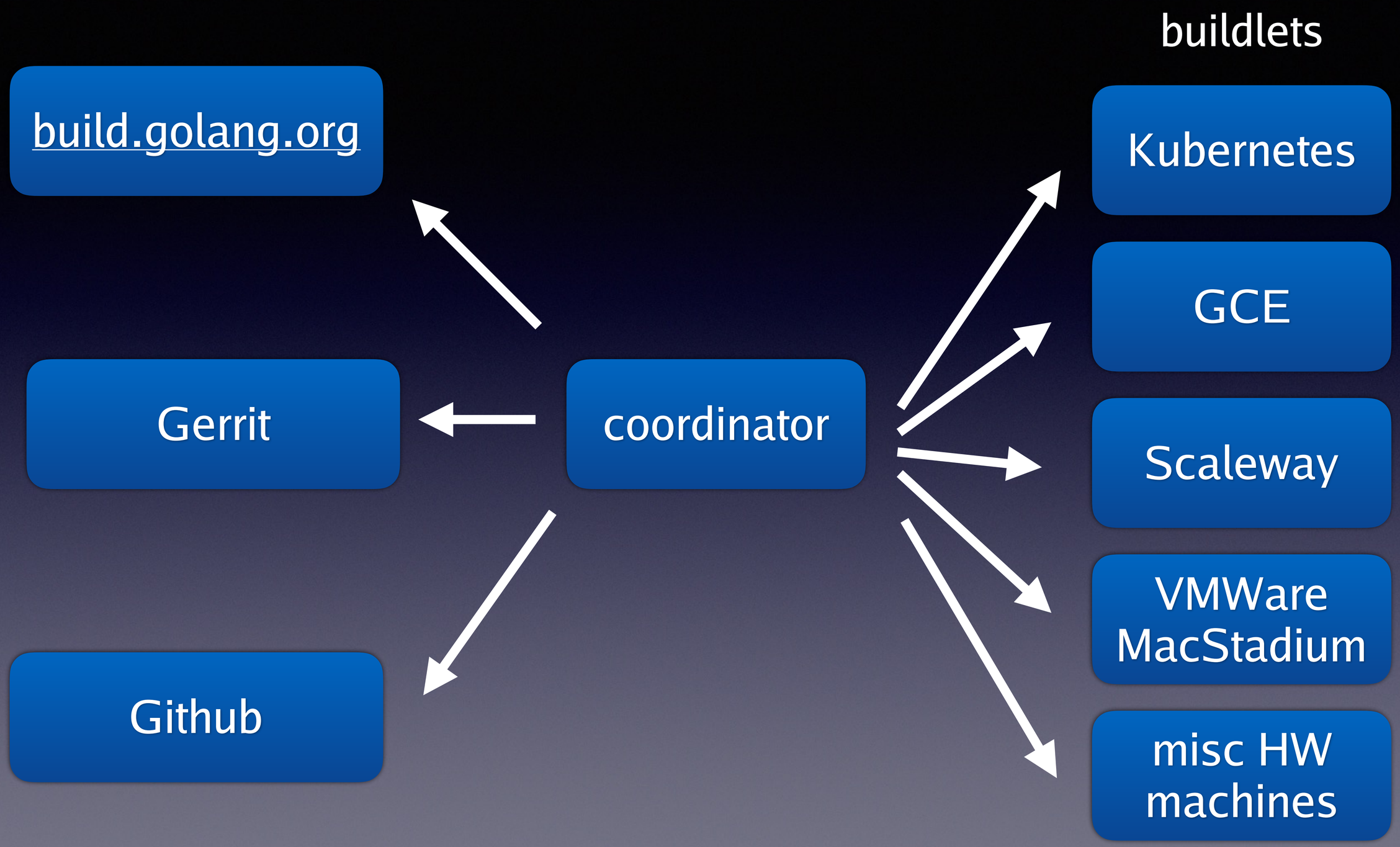
Reply

Gobot Gobot
Patch Set 1: TryBot-Result-1

8 of 16 TryBots failed:

x/build/cmd/buildlet

(on k8s, VM, hardware)

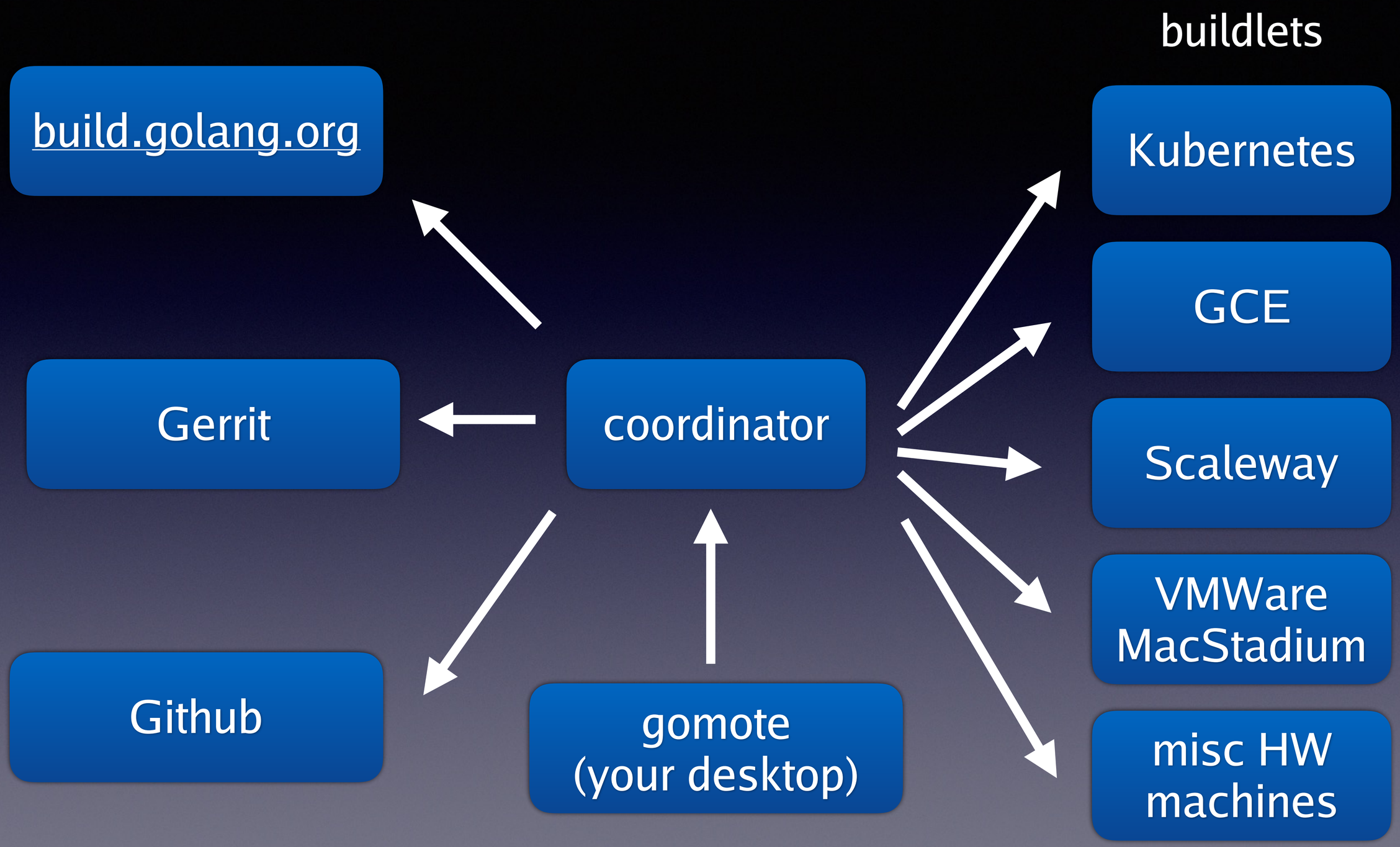

buildlets
build.golang.org
Gerrit
Github
coordinator
Kubernetes
GCE
Scaleway
VMWare
MacStadium
misc HW
machines

x/build/cmd/docker2boot

x/build/cmd/makemac

Debugging

x/build/cmd/gomote


buildlets
build.golang.org
Kubernetes
GCE
Gerrit
coordinator
Scaleway
VMWare
MacStadium
Github
gomote
(your desktop)
misc HW
machines

```
$ gomote create \
  darwin-amd64-10_11

$ gomote create \
  windows-amd64
```

```
$ gomote push $INST

$ gomote run $INST \
  go/src/make.bash
```

Michael Matloob

Patch Set 5: Run-TryBot+1

Reply

Gobot Gobot

Patch Set 5:

TryBots beginning. Status page: http://farmer.golang.org/try?commit=535c08d5

Reply

Gobot Gobot

Patch Set 5: TryBot-Result+1

TryBots are happy.

Reply

Code-Review	-2	-1	0	+1	+2
Run-TryBot	0	+1			
TryBot-Result					

Send

k

Rebase

Submit

pe/experiment for register ar...

Gerrit –> Github

x/build/cmd/coordinator git sync

gopherbot commented 12 hours ago

Go member

CL https://golang.org/cl/33338 mentions this issue.

gopherbot pushed a commit that closed this issue 12 hours ago

`fmt: fix typo` ··· 7534a72

gopherbot closed this in 7534a72 12 hours ago

x/build/cmd/buildstats

tryspeed [edited]

Query Editor | UDF Editor

SQL

```sql
SELECT
  Builder,
  NTH(951, QUANTILES(Seconds, 1001)) as Secs95p,
  STDDEV(Seconds) as StdDevSec,
  AVG(Seconds) as AverageSec,
  COUNT(*) AS count
FROM
  builds.Builds
WHERE
  Result="ok"
  AND istry=TRUE
  AND Repo = "go"
  AND StartTime > DATE_ADD(CURRENT_TIMESTAMP(), -30, "DAY")
GROUP BY
  Builder
ORDER BY
  AverageSec DESC;
```

Ctrl + Enter: run query, Tab or Ctrl + Space: autocomplete.

RUN QUERY | Save Query | Save View | Format Query | Show Options

Query complete (4.1s elapsed, 27.6 MB processed)

Download as CSV Download as JSON Save as Table Save to Google Sheets

Row	Builder	Secs95p	StdDevSec	AverageSec	count
1	linux-arm	1085.652394529	271.2218165517499	476.5267935807079	948
2	openbsd-amd64-gce58	817.185844968	201.24309547245676	381.75074419062344	919
3	linux-amd64-race	1212.481910073	316.88151561492936	368.3140790834267	968
4	linux-amd64-ssacheck	1003.407348914	289.3267128859252	361.12643157366017	1033
5	nacl-386	1070.721601218	308.4278262588497	332.59500803012526	982
6	windows-386-gce	669.50266432	168.91075781905394	325.2956214037146	950
7	windows-amd64-gce	656.525402457	180.744847208317	321.2506635285436	962
8	nacl-amd64p32	974.417800602	300.4768557736888	314.7118294205958	982
9	linux-386	1062.325757473	323.86384949912343	288.24809851002567	933
10	linux-amd64	1031.450185729	318.28222907620716	281.1280428678416	953
11	freebsd-amd64-gce101	494.574389883	156.29120980119015	270.83662614457006	972
12	misc-compile	670.1943401	204.50873538881797	256.2685429868753	1050
13	darwin-amd64-10_11	530.553477863	112.71140935335217	209.47713556358525	962
14	misc-compile-netbsd	545.093534136	218.2176470190811	179.18070951923409	1055
15	misc-compile-plan9	421.899357199	190.5156382893119	167.7004558884012	1032
16	misc-compile-ppc	399.277136489	192.7284968254493	150.23181382406642	1053

x/build/cmd/retrybuilds

x/build/cmd/issuelock

Docs & releases

gopherbot pushed a commit that closed this issue on Feb 25, 2015

`runtime: handle holes in the heap` ··· 6d1ebeb

gopherbot closed this in 6d1ebeb on Feb 25, 2015

mikioh modified the milestone: **Go1.4.2**, **Go1.4.3** on Feb 25, 2015

This was referenced on Mar 16, 2015

runtime: garbage collector found invalid heap pointer * (0x1a737ea0+0x0)=0x30 s=nil #10175 — Closed

runtime: garbage collector found invalid heap pointer * (0xc2080e56c0+0x10)=0x1 s=nil #11138 — Closed

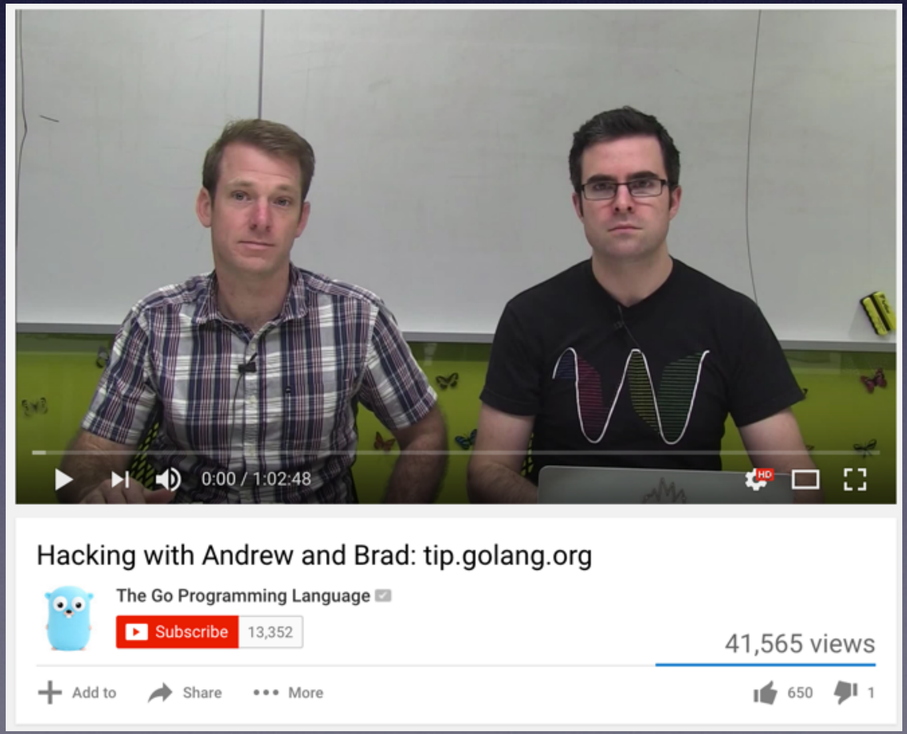
crash with "garbage collector found invalid heap pointer" pebbe/zmq2#3 — Open

Silence invalidptr errors in Go attic-labs/noms#533 — Merged

gopherbot locked and limited conversation to collaborators on Jun 24

gopherbot added the FrozenDueToAge label on Jun 24

https://tip.golang.org/
https://talks.golang.org/
x/tools/cmd/tip



godoc.org

x/build/cmd/release

https://golang.org/dl/

Downloads

After downloading a binary release suitable for your system, please follow the installation instructions.

If you are building from source, follow the source installation instructions.

See the release history for more information about Go releases.

Featured downloads

Microsoft Windows

Windows XP or later, Intel 64-bit processor

go1.7.3.windows-amd64.msi (72MB)

SHA256: 1e73eb0c36af1b714389328a39de28254aca35956933ec84ca2d93175471f41a

Apple OS X

OS X 10.8 or later, Intel 64-bit processor

go1.7.3.darwin-amd64.pkg (78MB)

SHA256: c2b0e222ab32c92283fbebea61d54c1fbd015d94654384e0fc40162a68898c22

Linux

Linux 2.6.23 or later, Intel 64-bit processor

go1.7.3.linux-amd64.tar.gz (79MB)

SHA256: 508028aac0654e993564b6e2014bf2d4a9751e3b286661b0b0040046cf18028e

Source

go1.7.3.src.tar.gz (14MB)

SHA256: 79430a0027a09b0b3ad57e214c4c1acfdd7af290961dd08d322818895af1ef44

go1.7.3

File name	Kind	OS	Arch	Size	SHA256 Checksum
go1.7.3.src.tar.gz	**Source**			**14MB**	**79430a0027a09b0b3ad57e214c4c1acfdd7af290961dd08d322818895af1ef44**
go1.7.3.darwin-amd64.tar.gz	Archive	OS X	64-bit	78MB	2ef310fa48b43dfed7b4ae063b5facba130ed0db95745c538dfc3e30e7c0de04
go1.7.3.darwin-amd64.pkg	**Installer**	**OS X**	**64-bit**	**78MB**	**c2b0e222ab32c92283fbebea61d54c1fbd015d94654384e0fc40162a68898c22**
go1.7.3.freebsd-386.tar.gz	Archive	FreeBSD	32-bit	69MB	e3ac58b1ea8272570adb646bcf4f313d52afe453c83f155ef3f931f472261f0e
go1.7.3.freebsd-amd64.tar.gz	Archive	FreeBSD	64-bit	79MB	78e8987603ab379c9aa1707e027e46978a26f71caf5c0df4cf3a4627570efff5
go1.7.3.linux-386.tar.gz	Archive	Linux	32-bit	69MB	d39d562c3247b11ae659afe1e131a3287c60b7de207ca5f25684c26f1c1dff5c
go1.7.3.linux-amd64.tar.gz	**Archive**	**Linux**	**64-bit**	**79MB**	**508028aac0654e993564b6e2014bf2d4a9751e3b286661b0b0040046cf18028e**
go1.7.3.linux-armv6l.tar.gz	Archive	Linux	ARMv6	66MB	d02912d121e1455e775a5aa4ecdb2a04f8483ba846e6d2341e1f35b8e507d7b5
go1.7.3.linux-s390x.tar.gz	Archive	Linux	s390x	66MB	cadbf9cab94c91b4e8d37884cbe4dd237f983b4c92238c0e93628c166440fb50
go1.7.3.windows-386.zip	Archive	Windows	32-bit	74MB	d0ac2d3aaa20452d0f09112f034cca1c5b8560452a45e10523af7f0a1089c792
go1.7.3.windows-386.msi	Installer	Windows	32-bit	62MB	dd2ae25fc099003f5207c6125ceb4cd9444a866d4d28084a653e178514d41727
go1.7.3.windows-amd64.zip	Archive	Windows	64-bit	85MB	9fe41313b97e2a6a703f5ae22938c7d9ac4336a128b522376c224ba97e8c7f01
go1.7.3.windows-amd64.msi	**Installer**	**Windows**	**64-bit**	**72MB**	**1e73eb0c36af1b714389328a39de28254aca35956933ec84ca2d93175471f41a**

updateac.go

Meetings

Proposal Review Meeting
Release Meeting

etc

Thanks!

bradfitz@golang.org
@bradfitz