

## Arvados - Bug #13455

### [keepproxy] Test suite sometimes hangs in go 1.10.1

05/09/2018 02:55 PM - Tom Clegg

<b>Status:</b>	Resolved	<b>Start date:</b>	05/15/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Tom Clegg	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2018-05-23 Sprint		
<b>Description</b>			
<b>Subtasks:</b>			
Task # 13460: Review			<b>Resolved</b>

#### Associated revisions

##### Revision bce4ee3a - 05/09/2018 05:47 PM - Tom Clegg

Avoid copying mutex after first use.

refs #13455

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <[tclegg@veritasgenetics.com](mailto:tclegg@veritasgenetics.com)>

#### History

##### #1 - 05/09/2018 03:22 PM - Tom Clegg

- Subject changed from [keepproxy] Test suite hangs in go 1.10.1 to [keepproxy] Test suite sometimes hangs in go 1.10.1

##### #2 - 05/09/2018 06:03 PM - Tom Clegg

- Status changed from New to In Progress

I haven't been able to reproduce a hung keepproxy test myself since [a221be676f0650993e76a9e402b93fa4ef7b5cf6](#) but jenkins has done it twice, in "remainder" builds 1933 and 1949.

While investigating other "remainder" failures I fixed a keepstore test bug that broke builds 1932 and 1945: [6c56f80642aae0ec0ff0bfc939ae33dd49e0ca6b](#)

While attempting to reproduce the keepproxy hang locally, I did hit occasional "concurrent map writes" panics, which seem to have been caused by inadvertently copying a sync.Mutex after first use. After fixing that in [bce4ee3aabf1dabc41ea5b231f0407cad3347f11](#), keepproxy tests seem reliable here (tried 64x, no failures).

It's possible that same mutex bug could cause tests to hang -- e.g., if the mutex was copied while locked -- and that the 10 minute test timeout isn't effective when it happens because <https://github.com/golang/go/issues/24050> .

##### #3 - 05/15/2018 08:36 PM - Tom Clegg

- Status changed from In Progress to Resolved

14 "run-tests-remainder" runs since merging this, with no timeouts or failures.

##### #4 - 07/23/2018 06:52 PM - Tom Morris

- Release set to 13