Arvados - Bug #14398
[keep-balance] deadlock on index retrieval error
10/24/2018 07:58 PM - Tom Clegg

Status: Resolved
Priority: Normal
Assigned To: Tom Clegg
Category: Keep
Target version: 2018-10-31 sprint

Description
The error handling in keep-balance's GetCurrentState func depends on the size of the "errs" channel exceeding the number of possible errors from various goroutines. It used to be correct when the number of goroutines was 2+nServers, but then the number of goroutines changed to 2+nMounts, and GetCurrentState deadlocks if more than 2+nMounts > 2+nServers and all mounts return errors (e.g., wrong auth token).

Rather than relying on the channel size, fix this by using channel size 1 and ignoring subsequent errors once the channel is full (they won't be reported anyway).

Associated revisions
Revision dd5efa11 - 10/25/2018 09:46 PM - Tom Clegg
Merge branch '14398-error-deadlock'

fixes #14398
Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tclegg@veritasgenetics.com>

History
#1 - 10/24/2018 08:26 PM - Tom Clegg
14398-error-deadlock @ 906551dd3a4823c03290d6abc37a3232dfa957bb

#2 - 10/25/2018 10:45 PM - Tom Clegg
- Status changed from In Progress to Resolved
- % Done changed from 0 to 100

Applied in changeset arvadosidd5efa11702934a9e00ae05b76f3f0279e1c36d7.

#3 - 11/13/2018 08:53 PM - Tom Morris
- Release set to 14