

## Arvados - Bug #13959

### crunch-dispatch-slurm / Go SDK Dispatcher can block indefinitely on d.ArV.List("containers", params, &list)

08/03/2018 02:17 AM - Joshua Randall

<b>Status:</b>	Resolved	<b>Start date:</b>	08/21/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Tom Clegg	<b>% Done:</b>	100%
<b>Category:</b>	Crunch	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2018-09-05 Sprint		
<b>Description</b>			
In the main loop of the Dispatcher's checkForUpdates function, the API List request to get a batch of matching containers appears to sometimes block forever. I'm not sure why this happens, but it is probably due to a network or API server issue. In any case, there should be some client side timeout that prevents this loop from hanging.			
Our current workaround is to have a cron job that calls `systemctl restart crunch-dispatch-slurm` on an hourly basis so that if the dispatcher gets hung it will be fixed at the next top of the hour.			
<b>Subtasks:</b>			
Task # 14055: Review 13959-timeouts-and-logging			<b>Resolved</b>

#### Associated revisions

##### Revision 794cecd8 - 08/24/2018 04:06 PM - Tom Clegg

Merge branch '13959-timeouts-and-logging'

fixes #13959

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

#### History

##### #1 - 08/09/2018 04:45 PM - Tom Morris

- Target version set to To Be Groomed

##### #2 - 08/15/2018 04:38 PM - Tom Morris

- Target version changed from To Be Groomed to 2018-09-05 Sprint

##### #3 - 08/15/2018 04:39 PM - Tom Clegg

- Assigned To set to Tom Clegg

##### #4 - 08/16/2018 07:46 PM - Tom Clegg

13959-timeouts-and-logging @ [f739d736bbb60a8463f04f5d56c18d09157d820e](https://ci.curoverse.com/job/developer-run-tests/858/)

- default 5-minute timeout (instead of no timeout) on API calls in sdk/go/arvadosclient (we already have this in sdk/go/arvados)
- move crunch-dispatch-slurm, crunch-dispatch-local, and dispatch library logging to logrus, making it easier to add Debugf() for future debugging

- ```
After echo process termination, container state for Running is "
zzzz-dz642-xxxxxxxxxxxxx2". Updating it to "Cancelled")
+ `after "echo" process termination, container state for zzzz-dz642-xxxxxxxxxxxxx2
is "Running"; updating it to "Cancelled")`
```

<https://ci.curoverse.com/job/developer-run-tests/858/>

##### #5 - 08/21/2018 05:19 PM - Tom Clegg

13959-timeouts-and-logging @ [3ae5b174a710fca21895a1ad7273b6f61bf9ac1ehttps://ci.curoverse.com/job/developer-run-tests/861/](https://ci.curoverse.com/job/developer-run-tests/861/)

##### #6 - 08/24/2018 01:36 PM - Peter Amstutz

nit, from <https://github.com/Sirupsen/logrus> README:

It's in the past been possible to import Logrus as both upper- and lower-case. Due to the Go package environment, this caused issues in the community and we needed a standard. Some environments experienced problems with the upper-case variant, so the lower-case was decided. Everything using logrus will need to use the lower-case: [github.com/sirupsen/logrus](https://github.com/sirupsen/logrus). Any package that isn't, should be changed.

Rest LGTM.

**#7 - 08/24/2018 04:07 PM - Tom Clegg**

- *Status changed from New to In Progress*

**#8 - 08/24/2018 04:39 PM - Tom Clegg**

- *Status changed from In Progress to Resolved*

Applied in changeset [arvados|794cecd80b3fc3c9812687fa9e4e269fb1e79c60](#).

**#9 - 09/17/2018 12:57 PM - Ward Vandewege**

- *Release set to 13*