

Arvados - Bug #15937

[arv-mount] [crunch-run] fusermount: failed to unmount

12/16/2019 09:16 PM - Peter Amstutz

Status:	Resolved	Start date:	01/08/2020
Priority:	Normal	Due date:	
Assigned To:	Tom Clegg	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	2020-01-15 Sprint		
Description			
Saw this error, need to investigate			
<pre>2019-12-16T19:12:25.790683383Z Attaching container streams 2019-12-16T19:12:25.937617510Z Starting Docker container id '653468fc6855c900c5da0aee2d82b70687cf2f8c40c3b34c62b2ea09d4cfbfc8' 2019-12-16T19:12:27.044140997Z notice: reading stats from /sys/fs/cgroup/cpuacct/docker/653468fc6855c900c5da0aee2d82b70687cf2f8c40c3b34c62b2ea09d4cfbfc8/cgroup.procs 2019-12-16T19:12:27.044186897Z notice: monitoring temp dir /tmp/crunch-run. ce8i5-dz642-dv9tnw5a6tkjtns.228716346 2019-12-16T19:12:27.044345600Z notice: reading stats from /sys/fs/cgroup/memory/docker/653468fc6855c900c5da0aee2d82b70687cf2f8c40c3b34c62b2ea09d4cfbfc8/memory.stat 2019-12-16T19:12:27.044658404Z mem 0 cache 0 swap 0 pgmajfault 442368 rss 2019-12-16T19:12:27.044697305Z notice: reading stats from /sys/fs/cgroup/cpuacct/docker/653468fc6855c900c5da0aee2d82b70687cf2f8c40c3b34c62b2ea09d4cfbfc8/cpuacct.stat 2019-12-16T19:12:27.044750506Z notice: reading stats from /sys/fs/cgroup/cpuset/docker/653468fc6855c900c5da0aee2d82b70687cf2f8c40c3b34c62b2ea09d4cfbfc8/cpuset.cpus 2019-12-16T19:12:27.044782906Z cpu 0.0000 user 0.0100 sys 1 cpus 2019-12-16T19:12:27.044903608Z statfs 10676027392 available 44613632 used 10720641024 total 2019-12-16T19:12:27.961017612Z Hello, Crunch! 2019-12-16T19:12:28.113808721Z Waiting for container to finish 2019-12-16T19:12:28.464785570Z Container exited with code: 0 2019-12-16T19:12:28.516499314Z Complete 2019-12-16T19:12:28.726092228Z Running [arv-mount --unmount-timeout=8 --unmount /tmp/crunch-run. ce8i5-dz642-dv9tnw5a6tkjtns.228716346/keep231647569] 2019-12-16T19:12:29.405618705Z fusermount: failed to unmount /tmp/crunch-run. ce8i5-dz642-dv9tnw5a6tkjtns.228716346/keep231647569: Invalid argument 2019-12-16T19:12:29.531401284Z crunch-run finished</pre>			
Subtasks:			
Task # 15978: Review 15937-failed-to-unmount			Resolved

Associated revisions

Revision b27c4cbe - 01/13/2020 09:30 PM - Tom Clegg

Merge branch '15937-failed-to-unmount'

fixes #15937

Arvados-DCO-1.1-Signed-off-by: Tom Clegg <tom@tomclegg.ca>

History

#1 - 12/16/2019 09:16 PM - Peter Amstutz

- Status changed from New to In Progress

#2 - 12/16/2019 09:17 PM - Peter Amstutz

- Status changed from In Progress to New

- Description updated

- Subject changed from Failed to unmount to [crunch-run] fusermount: failed to unmount

#3 - 01/02/2020 04:24 PM - Tom Clegg

- Assigned To set to Tom Clegg

- Subject changed from [crunch-run] fusermount: failed to unmount to [arv-mount] [crunch-run] fusermount: failed to unmount

#4 - 01/07/2020 06:24 PM - Tom Clegg

The "arv-mount --unmount" command uses a retry loop:

- hit /sys/fs/fuse/connections/\$id/abort to kill process
- call fusermount -u -z to detach mount

It seems normal for fusermount to report "invalid argument" when the underlying fuse process is dead/unresponsive.

I think the appropriate fix is to hide fusermount's stderr until/unless we determine (in the next loop iteration) that the mount still exists.

#5 - 01/07/2020 08:37 PM - Tom Clegg

- Status changed from New to In Progress

#6 - 01/07/2020 08:44 PM - Tom Clegg

I haven't been able to reproduce the "invalid argument" message, but I found that repeating "mount && unmount" would occasionally report "fusermount: entry for [...] not found in /etc/mstab" on unmount, maybe 20% of the time. I think the above reasoning applies regardless of the exact error: messages from "fusermount" are only interesting if the mount still exists afterward.

With this change, I ran a few hundred "mount && unmount" with no reported errors.

15937-failed-to-unmount @ [6a4098aa1207c276e2e6bf9a6128b30084ad4b1e](https://ci.arvados.org/view/Developer/job/developer-run-tests/1707/) -- <https://ci.arvados.org/view/Developer/job/developer-run-tests/1707/>

#7 - 01/13/2020 09:20 PM - Peter Amstutz

Tom Clegg wrote:

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This LGTM.

#8 - 01/13/2020 10:09 PM - Anonymous

- Status changed from In Progress to Resolved

Applied in changeset [arvados|b27c4cbe64a1266f406572ff04678e048c966584](https://ci.arvados.org/view/Developer/job/developer-run-tests/1707/).

#9 - 01/22/2020 02:11 PM - Peter Amstutz

- Release set to 22