

Arvados - Feature #13403

[crunch-run] Cancel container on FUSE error

04/26/2018 06:34 PM - Peter Amstutz

Status: New	Start date:
Priority: Normal	Due date:
Assigned To:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
Description https://dev.arvados.org/issues/13377#note-4 <p>The fact that we kept the container alive for 7 hours retrying seems like a problem, too. In the context of a container, if arv-mount gives up on a fuse request and returns an error analogous to "filesystem is corrupt / disk is dead" to the caller, should we automatically fail the container?</p> <p>If arv-mount has a block read error (or really anything that will get turned into EIO by FUSE), crunch-run should cancel the container (the container request may retry by existing logic, though).</p> <p>Proposed design:</p> <ul style="list-style-type: none">• arv-mount emits a well known error string when it returns a major file system error (EIO)• crunch-run monitors arv-mount output and looks for major file system errors or out of memory error (MemoryError)• on seeing the error from arv-mount, crunch-run logs an error of its own and cancels the container.	

History

#1 - 04/26/2018 06:34 PM - Peter Amstutz

- Status changed from New to In Progress

#2 - 04/26/2018 06:39 PM - Peter Amstutz

- Description updated

#4 - 05/02/2018 02:29 PM - Peter Amstutz

- Status changed from In Progress to New

#5 - 05/16/2018 02:48 PM - Peter Amstutz

- Description updated

#6 - 05/16/2018 04:58 PM - Tom Clegg

- Story points set to 2.0

#7 - 05/22/2018 09:32 PM - Tom Morris

- Subject changed from Cancel container on FUSE error to [crunch-run] Cancel container on FUSE error

- Target version changed from To Be Groomed to Arvados Future Sprints

#9 - 09/18/2018 08:29 PM - Peter Amstutz

- Description updated

#10 - 09/18/2018 08:31 PM - Peter Amstutz

- Description updated

#11 - 07/06/2021 09:13 PM - Peter Amstutz

- Target version deleted (Arvados Future Sprints)