

Arvados - Bug #7880

[Crunch] crunch-dispatch should run the bundled version of crunch-job specified by Gemfile.lock

12/01/2015 05:20 PM - Tom Clegg

Status:	New	Start date:	12/01/2015
Priority:	Normal	Due date:	
Assigned To:		% Done:	0%
Category:	Crunch	Estimated time:	0.00 hour
Target version:	Arvados Future Sprints		

Description

Currently, if \$CRUNCH_JOB_BIN is not set, [source:services/api/lib/crunch_dispatch.rb](#) uses `which arv-crunch-job` to find the right executable (arv-crunch-job is a Ruby program that invokes a Perl program: it exists because gem/bundler cannot install non-Ruby executables). However, `which arv-crunch-job` only gives us a path to a rubygems wrapper which selects a suitable version at runtime -- it's not a specific version of the arv-crunch-job program itself. When we run that wrapper, we use sudo, which (apparently) modifies the environment such that the wrapper no longer uses our Gemfile.lock to select a version: instead, it chooses one (presumably the newest installed version) as if we weren't using bundler.

Possible solutions:

- Modify the sudo invocation such that `sudo arv-crunch-job` runs the bundled version -- details TBD, but taking care not to make [#4750](#) any worse.
- Find the real crunch-job program, not the wrapper. For example, add an "arv-which-crunch-job" program that's just like arv-crunch-job but prints the path to crunch-job instead of executing it, and use `arv-which-crunch-job` instead of `which arv-crunch-job`.

History

#1 - 12/02/2015 10:53 PM - Brett Smith

- Target version set to Arvados Future Sprints