

Arvados - Story #9705

[Crunch2] [Doc] Document Crunch 2 setup in Install Guide

08/03/2016 05:13 PM - Brett Smith

Status:	Resolved	Start date:	08/03/2016
Priority:	Normal	Due date:	
Assigned To:	Tom Clegg	% Done:	100%
Category:	Documentation	Estimated time:	0.00 hour
Target version:	2016-08-31 sprint		
Description			
Port the Crunch2 Installation wiki page to the Install Guide, adding background and details as necessary and making it conform to Install Guide typographic conventions. Lay out pages in the TOC following the suggestion in #9359-4 .			
If #9706 gets done alongside this story, you can skip documenting runit scripts, and instead give people instructions for deploying on systemd, and how to adapt that to other init systems if needed.			
Subtasks:			
Task # 9723: Review 9705-crunch2-install-guide-wip			Resolved

Associated revisions

Revision cba74fc - 08/25/2016 05:49 PM - Tom Clegg

Merge branch '9705-crunch2-install-guide-wip'

closes #9705

closes #9706

History

#1 - 08/03/2016 05:42 PM - Brett Smith

- Description updated

#2 - 08/03/2016 07:23 PM - Radhika Chippada

- Assigned To set to Brett Smith

- Target version set to 2016-08-17 sprint

- Story points set to 1.0

#3 - 08/05/2016 03:37 PM - Brett Smith

- Status changed from New to In Progress

Updated the wiki with systemd instructions and filled in examples as appropriate. Starting to port that to the Install Guide now.

#4 - 08/08/2016 05:59 PM - Brett Smith

9705-crunch2-install-guide-wip is up for review. There's a little bit of "go where the puck is going" here: the text assumes both [#9706](#) and [#9745](#) are done and merged. We should probably hold off merging these docs until that is actually the case. But I think it can still be reviewed in the meantime.

Much of the text is based off [Crunch2 installation](#), if you want to refer to that.

#5 - 08/08/2016 06:00 PM - Brett Smith

The instructions about updating GRUB configuration on CentOS come from [this Red Hat page](#)

#6 - 08/08/2016 07:32 PM - Peter Amstutz

Reviewing [368fce7](#)

It's awkward that it suggests using runit for arvados-docker-cleaner but systemd for crunch-dispatch-slurm (but I guess that's because don't have a tested systemd unit for arvados-docker-cleaner). Filed [#9756](#).

Different versions of Docker have different behavior involving the interaction of -cgroup-parent and systemd. For Docker 1.9, users may need to disable Docker's systemd integration with this docker daemon option:

--exec-opt native.cgroupdriver=cgroupfs

Under "Test the dispatcher" it should probably note that ARVADOS_API_HOST and ARVADOS_API_TOKEN need to be set.

#7 - 08/09/2016 06:11 PM - Brett Smith

Peter Amstutz wrote:

It's awkward that it suggests using runit for arvados-docker-cleaner but systemd for crunch-dispatch-slurm (but I guess that's because don't have a tested systemd unit for arvados-docker-cleaner). Filed [#9756](#).

It occurred to me that [#9756](#) is arguably blocked by [#9759](#). So... fine, I tried out a systemd unit definition on my laptop, and plunked it directly in the Install Guide. It hasn't been as tested in as many environments, but it does flow better, and if there are any integration issues with it at least they should be as transparent to deal with as the runit instructions were.

Different versions of Docker have different behavior involving the interaction of -cgroup-parent and systemd. For Docker 1.9, users may need to disable Docker's systemd integration with this docker daemon option:

--exec-opt native.cgroupdriver=cgroupfs

Thanks, added this note.

Under "Test the dispatcher" it should probably note that ARVADOS_API_HOST and ARVADOS_API_TOKEN need to be set.

The text mentions the commands are meant to run on a shell node. I bolded this text and reorganized it a bit for emphasis. This follows the same pattern that we use elsewhere in the install guide when API objects have to be created, like the install instructions for keepstore and keepproxy. If there are additional readability improvements that need to be made here, I'd suggest filing a separate story about that, because it needs to be applied consistently across the entire Install Guide, and I think touching up other pages is out of scope for this story.

#8 - 08/09/2016 08:56 PM - Peter Amstutz

This is great, thanks. LGTM @ [f662db7](#)

#9 - 08/10/2016 03:18 PM - Brett Smith

Rebased on current master and now at [728fadd](#). This should be good to merge once the dependent functionality is added to crunch-dispatch-slurm.

#10 - 08/17/2016 07:12 PM - Tom Clegg

- Target version changed from 2016-08-17 sprint to 2016-08-31 sprint

#11 - 08/17/2016 07:12 PM - Tom Clegg

- Story points changed from 1.0 to 0.0

#12 - 08/17/2016 07:13 PM - Tom Clegg

- Assigned To changed from Brett Smith to Tom Clegg

#13 - 08/25/2016 05:55 PM - Tom Clegg

- Status changed from In Progress to Resolved

Applied in changeset arvados|commit:cbba74fcd57b7b81337d44c2e663ba317e6538de.