

Migration Plugin - Issue #7847

Worker has gone missing during migration

11/17/2020 07:50 PM - iballou

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	High	Due date:	
Assignee:	bmbouter	Estimated time:	0:00 hour
Category:		Sprint Candidate:	No
Sprint/Milestone:	0.9.0	Tags:	Katello
Severity:	2. Medium	Sprint:	Sprint 91
Platform Release:		Quarter:	
OS:			
Triaged:	No		
Groomed:	No		
Description			
<p>I'm trying to migrate Pulp 2 -> Pulp 3. The migration has been working consistently until I tried 180K RPMs and 31 repos in Katello. Now, consistently, after about 15 minutes, the migration fails with the following errors:</p>			
<pre>... Nov 17 14:52:49 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:52:49 +0000] "GET /pulp/api/v3/tasks/dfa912b7-6b4c-4d29-b546-4926e8d00a93/ HTTP/1.1" 200 3678 "-" "OpenAPI-Generator/3.7.1/ruby" Nov 17 14:52:50 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:52:50 +0000] "GET /pulp/api/v3/task-groups/5a30cf02-4354-4b72-a8c5-a3d0d4ce6fcb/ HTTP/1.1" 200 440 "-" "OpenAPI-Generator/3.7.1/ruby" Nov 17 14:53:06 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:53:06 +0000] "GET /pulp/api/v3/tasks/dfa912b7-6b4c-4d29-b546-4926e8d00a93/ HTTP/1.1" 200 3678 "-" "OpenAPI-Generator/3.7.1/ruby" Nov 17 14:53:06 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:53:06 +0000] "GET /pulp/api/v3/task-groups/5a30cf02-4354-4b72-a8c5-a3d0d4ce6fcb/ HTTP/1.1" 200 440 "-" "OpenAPI-Generator/3.7.1/ruby" Nov 17 14:53:52 centos7-katello-nightly-2 pulpcore-worker-4: pulp: pulpcore.tasking.services.worker_watcher:ERROR: Worker '22312@centos7-katello-nightly-2.cannolo.example.com' has gone missing, removing from list of workers Nov 17 14:53:52 centos7-katello-nightly-2 pulpcore-worker-4: pulp: pulpcore.tasking.services.worker_watcher:ERROR: The worker named 22312@centos7-katello-nightly-2.cannolo.example.com is missing. Canceling the tasks in its queue. Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-7: pulp: pulpcore.tasking.services.worker_watcher:ERROR: Worker '22311@centos7-katello-nightly-2.cannolo.example.com' has gone missing, removing from list of workers Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-5: pulp: pulpcore.tasking.services.worker_watcher:ERROR: Worker '22311@centos7-katello-nightly-2.cannolo.example.com' has gone missing, removing from list of workers Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-5: pulp: pulpcore.tasking.services.worker_watcher:ERROR: The worker named 22311@centos7-katello-nightly-2.cannolo.example.com is missing. Canceling the tasks in its queue. Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-7: pulp: pulpcore.tasking.services.worker_watcher:ERROR: The worker named 22311@centos7-katello-nightly-2.cannolo.example.com is missing. Canceling the tasks in its queue. Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-resource-manager: pulp: pulpcore.tasking.services.worker_watcher:ERROR: Worker '22311@centos7-katello-nightly-2.cannolo.example.com' has gone missing, removing from list of workers Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-resource-manager: pulp: pulpcore.tasking.services.worker_watcher:ERROR: The worker named 22311@centos7-katello-nightly-2.cannolo.example.com is missing. Canceling the tasks in its queue. Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-2: pulp: pulpcore.tasking.services.worker_watcher:ERROR: Worker '22311@centos7-katello-nightly-2.cannolo.example.com' has gone missing, removing from list of workers Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-2: pulp: pulpcore.tasking.services.worker_watcher:ERROR: Worker '22311@centos7-katello-nightly-2.cannolo.example.com' has gone missing, removing from list of workers</pre>			


```
r_watcher:ERROR: Worker '22311@centos7-katello-nightly-2.cannolo.example.com' has gone missing, re
moving from list of workers
Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-worker-4: pulp: pulpcore.tasking.services.worke
r_watcher:ERROR: The worker named 22311@centos7-katello-nightly-2.cannolo.example.com is missing.
Canceling the tasks in its queue.
Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:53:54 +0000] "GET /pul
p/api/v3/tasks/dfa912b7-6b4c-4d29-b546-4926e8d00a93/ HTTP/1.1" 200 7283 "-" "OpenAPI-Generator/3.7
.1/ruby"
Nov 17 14:53:54 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:53:54 +0000] "GET /pul
p/api/v3/task-groups/5a30cf02-4354-4b72-a8c5-a3d0d4ce6fcb/ HTTP/1.1" 200 440 "-" "OpenAPI-Generato
r/3.7.1/ruby"
Nov 17 14:54:23 centos7-katello-nightly-2 pulpcore-worker-7: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:23 centos7-katello-nightly-2 pulpcore-worker-6: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:23 centos7-katello-nightly-2 pulpcore-resource-manager: pulp: pulpcore.tasking.util:IN
FO: Task canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-1: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-8: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-5: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:54:24 +0000] "GET /pul
p/api/v3/tasks/dfa912b7-6b4c-4d29-b546-4926e8d00a93/ HTTP/1.1" 200 7284 "-" "OpenAPI-Generator/3.7
.1/ruby"
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-4: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-2: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-4: pulp: rq.worker:INFO: Cleaning regist
ries for queue: 22311@centos7-katello-nightly-2.cannolo.example.com
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-3: pulp: pulpcore.tasking.util:INFO: Tas
k canceled: dfa912b7-6b4c-4d29-b546-4926e8d00a93.
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-4: pulp: rq.worker:INFO: 22311@centos7-k
atello-nightly-2.cannolo.example.com: e698be4e-6943-4f7c-9614-07e7f81c2265
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-api: - - [17/Nov/2020:14:54:24 +0000] "GET /pul
p/api/v3/task-groups/5a30cf02-4354-4b72-a8c5-a3d0d4ce6fcb/ HTTP/1.1" 200 440 "-" "OpenAPI-Generato
r/3.7.1/ruby"
Nov 17 14:54:24 centos7-katello-nightly-2 pulpcore-worker-4: pulp: rq.worker:INFO: 22311@centos7-k
atello-nightly-2.cannolo.example.com: Job OK (e698be4e-6943-4f7c-9614-07e7f81c2265)
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-6: pulp: pulpcore.tasking.services.worke
r_watcher:INFO: Worker '22312@centos7-katello-nightly-2.cannolo.example.com' is back online.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-6: pulp: pulpcore.tasking.services.worke
r_watcher:ERROR: There are 0 pulpcore-resource-manager processes running. Pulp will not operate co
rrectly without at least one pulpcore-resource-manager process running.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-8: pulp: pulpcore.tasking.services.worke
r_watcher:INFO: Worker '22319@centos7-katello-nightly-2.cannolo.example.com' is back online.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-8: pulp: pulpcore.tasking.services.worke
r_watcher:ERROR: There are 0 pulpcore-resource-manager processes running. Pulp will not operate co
rrectly without at least one pulpcore-resource-manager process running.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-7: pulp: pulpcore.tasking.services.worke
r_watcher:INFO: Worker '22315@centos7-katello-nightly-2.cannolo.example.com' is back online.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-7: pulp: pulpcore.tasking.services.worke
r_watcher:ERROR: There are 0 pulpcore-resource-manager processes running. Pulp will not operate co
rrectly without at least one pulpcore-resource-manager process running.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-4: pulp: pulpcore.tasking.services.worke
r_watcher:ERROR: There are 0 pulpcore-resource-manager processes running. Pulp will not operate co
rrectly without at least one pulpcore-resource-manager process running.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-worker-2: pulp: pulpcore.tasking.services.worke
r_watcher:INFO: Worker '22314@centos7-katello-nightly-2.cannolo.example.com' is back online.
Nov 17 14:54:39 centos7-katello-nightly-2 pulpcore-resource-manager: pulp: pulpcore.tasking.servic
es.worker_watcher:INFO: Worker 'resource-manager' is back online.
```

Associated revisions

Revision d05de133 - 03/04/2021 02:50 PM - bmbouter

Adds notes about worker timeouts in config docs

closes #7847

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History

#1 - 11/17/2020 07:55 PM - iballou

My machine has 32 GB RAM, and I haven't seen the memory get close to that, so I don't think it's a memory problem.

#2 - 11/17/2020 07:55 PM - iballou

```
pulp-2to3-migration (0.5.1)
pulp-certguard (1.0.3)
pulp-container (2.1.0)
pulp-file (1.3.0)
pulp-rpm (3.7.0)
pulpcore (3.7.3)
```

```
python3-createrepo_c-0.16.2-1.el7.x86_64
createrepo_c-libs-0.16.2-1.el7.x86_64
python2-createrepo_c-0.16.2-1.el7.x86_64
createrepo-0.9.9-28.el7.noarch
createrepo_c-0.16.2-1.el7.x86_64
createrepo_c-debuginfo-0.16.2-1.el7.x86_64
createrepo_c-devel-0.16.2-1.el7.x86_64
```

#3 - 11/17/2020 08:01 PM - iballou

/var/lib/pulp is on a separate virtual disk and symlinked

#4 - 01/27/2021 08:18 PM - ggaaney

I (inadvertently) recreated this, let me try listing the stpes to help whoever is looking into it.

I was on a pulp-developer vagrant box, testing pulp-2to3-migration, with a LARGE pulp2 dataset.

Steps to get to where I hit the problem:

- Clone pulpcore, pulp_rpm, pulp_installer, and pulp-2to3-migration from github.
- get The Big Dataset - this is 7.5GB of mongo, ~260K RPMs sync'd from the repo-list in issue [#7537](#)
 - download from [rgaaney's GDrive](#)
 - put mongo_dumps directory into your pulpcore checkout
- cd pulp_installer
 - cp example.dev-config.yml local.dev-config.yml
 - make changes in local.dev:
 - uncomment pulp_rpm and pulp-2to3-migration
 - add "memory: 16384"
 - vagrant up pulp2-nightly-pulp3-source-centos7
 - vagrant ssh pulp2-nightly-pulp3-source-centos7

You are now on the 2to3 vagrant box. Pulp2 and Pulp3 are both installed and running.

- cd /home/vagrant/devel/pulpcore/mongo_dumps
- mongorestore --gzip . # it's 7.5GB - got get breakfast
- edit /etc/pulp/settings.py according to the [2to3 migration doc](#)
- create a migration-plan for "all rpms"
 - http POST :24817/pulp/api/v3/migration-plans/ plan="{\"plugins\": [{\"type\": \"rpm\"}]}"
- run the plan
 - http POST :/pulp/api/v3/migration-plans/<UUID-returned-above>/run/ skip_corrupted=true
 - NOTE: this will take A LONG TIME (ie, 5+ hours)
- monitor progress of the task
 - http :/pulp/api/v3/tasks/<UUID-returned-above>/
- watch journalctl for errors like the following:

Jan 27 17:27:35 pulp2-nightly-pulp3-source-centos7.padre-fedora.example.com gunicorn[21974]: [2021-01-27 17:27:35 +0000] [21974] [CRITICAL] WORKER TIMEOUT (pid:5365)

...

Jan 27 18:46:32 pulp2-nightly-pulp3-source-centos7.padre-fedora.example.com rq[21780]: pulp [None]: pulpcore.t
asking.worker_watcher:ERROR: The worker named resource-manager is missing. Canceling the tasks in its queue.

#5 - 02/03/2021 06:07 PM - ttereshc

- Priority changed from Normal to High

#6 - 02/03/2021 06:15 PM - ttereshc

- Sprint/Milestone set to 0.9.0

#8 - 02/16/2021 06:48 PM - bmbouter

- Status changed from NEW to ASSIGNED

- Assignee set to bmbouter

- Sprint set to Sprint 90

#9 - 02/19/2021 11:08 PM - rchan

- Sprint changed from Sprint 90 to Sprint 91

#10 - 03/04/2021 12:23 PM - bmbouter

- Status changed from ASSIGNED to POST

PR available here: <https://github.com/pulp/pulp-2to3-migration/pull/326>

katello packaging patches backporting to 3.9 here: <https://github.com/theforeman/pulpcore-packaging/pull/102>

#11 - 03/04/2021 02:50 PM - bmbouter

- Status changed from POST to MODIFIED

Applied in changeset [pulp:pulp-2to3-migration|d05de1336c8f29d68bbb506a5ee3f41d7ab88fa5](https://pulp.plan.io/revisions/d05de1336c8f29d68bbb506a5ee3f41d7ab88fa5).

#12 - 03/09/2021 11:54 PM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE