

Pulp - Backport #9445

Backport request to 3.14.z: deadlocks from touch() in several paths

09/24/2021 01:38 PM - ggainey

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	High	Due date:	
Assignee:	dalley	% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:	3.14.7	Sprint:	
Triaged:	No	Quarter:	
Sprint Candidate:	No		
Tags:			

Description

As noted from RHUI4, here: <https://pulp.plan.io/issues/8750#note-37>

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Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: pulp [62672f3c1f5844b29a8c0869db07cf4c]: pulpcore.tasking.pulpcore_worker:INFO: Task a2d9b01f-3a62-4f35-8ad6-9b793c43a9c1 failed (deadlock detected)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: DETAIL: Process 244121 waits for ShareLock on transaction 2141154; blocked by process 244124.
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: Process 244124 waits for ShareLock on transaction 2141157; blocked by process 244121.
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: HINT: See server log for query details.
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: CONTEXT: while updating tuple (24547,1) in relation "core_artifact"
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: )
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: pulp [62672f3c1f5844b29a8c0869db07cf4c]: pulpcore.tasking.pulpcore_worker:INFO: File "/usr/lib/python3.6/site-packages/pulpcore/tasking/pulpcore_worker.py", line 272, in _perform_task
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: result = func(*args, **kwargs)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/pulp_rpm/app/tasks/synchronizing.py", line 475, in synchronize
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: version = dv.create()
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/declarative_version.py", line 151, in create
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: loop.run_until_complete(pipeline)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib64/python3.6/asyncio/base_events.py", line 484, in run_until_complete
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: return future.result()
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/api.py", line 225, in create_pipeline
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: await asyncio.gather(*futures)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/api.py", line 43, in __call__
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: await self.run()
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/pulpcore/plugin/stages/artifact_stages.py", line 89, in run
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: existing_artifacts.touch()
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/pulpcore/app/models/content.py", line 103, in touch
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: return self.update(timestamp_of_interest=now())
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/django/db/models/query.py", line 741, in update
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: rows = query.get_compiler(self.db).execute_sql(CURSOR)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/django/db/models/sql/compiler.py", line 1471, in execute_sql
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: cursor = super().execute_sql(result_type)
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Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/dj
ango/db/models/sql/compiler.py", line 1142, in execute_sql
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]:     cursor.execute(sql, params)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/dj
ango/db/backends/utils.py", line 67, in execute
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]:     return self._execute_with_wrappers(sql,
params, many=False, executor=self._execute)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/dj
ango/db/backends/utils.py", line 76, in _execute_with_wrappers
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]:     return executor(sql, params, many, cont
ext)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/dj
ango/db/backends/utils.py", line 84, in _execute
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]:     return self.cursor.execute(sql, params)
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/dj
ango/db/utils.py", line 89, in __exit__
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]:     raise dj_exc_value.with_traceback(trace
back) from exc_value
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]: File "/usr/lib/python3.6/site-packages/dj
ango/db/backends/utils.py", line 84, in _execute
Sep 15 06:42:11 pulp314-machine pulpcore-worker[49536]:     return self.cursor.execute(sql, params)
```

Related issues:

Copied from Pulp - Issue #9441: deadlocks from touch() in several paths

CLOSED - CURRENTRELEASE

Associated revisions**Revision 69b2e1dc - 09/29/2021 03:57 AM - dalley**

Teach the touch() path to apply order to avoid deadlocks.

backports #9441. [nocoverage] Required PR: <https://github.com/pulp/pulpcore/pull/1637>

fixes #9445

(cherry picked from commit cd9b5785279582297030007f559958829a927084)

History**#1 - 09/24/2021 01:38 PM - ggaaney**

- Copied from Issue #9441: deadlocks from touch() in several paths added

#3 - 09/28/2021 05:07 PM - dalley

- Status changed from NEW to ASSIGNED
- Assignee changed from ggaaney to dalley

#4 - 09/28/2021 05:08 PM - dalley

- Sprint/Milestone set to 3.14.7

#5 - 09/29/2021 03:57 AM - dalley

- Status changed from ASSIGNED to MODIFIED

Applied in changeset [pulpcore|69b2e1dcd9f2b51887d0faf856834fc820925f0d](https://pulp.planetbeing.com/pulpcore/69b2e1dcd9f2b51887d0faf856834fc820925f0d).

#6 - 09/29/2021 08:35 PM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE

#7 - 10/14/2021 05:55 PM - ttereshc

- Tracker changed from Issue to Backport
- % Done set to 0
- Severity deleted (3. High)
- Groomed deleted (No)