

Pulp - Issue #8595

pulp-python publication failing

04/20/2021 01:03 AM - pmishra

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:		Estimated time:	0:00 hour
Category:		Groomed:	No
Sprint/Milestone:	3.13.0	Sprint Candidate:	No
Severity:	2. Medium	Tags:	Easy Fix
Version:		Sprint:	
Platform Release:		Quarter:	
OS:			
Triaged:	Yes		

Description

Hi,

I'm running pulp in a Kubernetes cluster and sometimes python publications are failing with the error '[Errno 39] Directory not empty' , after some debugging the error leads to <https://github.com/pulp/pulpcore/blob/master/pulpcore/tasking/storage.py#L60>

pulp-cli:

```
# pulp python publication create --repository foo --version 4
.....Error: Task /pulp/api/v3/tasks/11b036e7-3799-4806-a29b-9a784b6f4857/ failed: '[Errno 39] Directory not empty: 'wheel''
```

worker log:

```
Traceback (most recent call last):
  File "/usr/local/lib/python3.9/site-packages/rq/worker.py", line 1008, in perform_job
    rv = job.perform()
  File "/usr/local/lib/python3.9/site-packages/rq/job.py", line 706, in perform
    self._result = self._execute()
  File "/usr/local/lib/python3.9/site-packages/rq/job.py", line 729, in _execute
    result = self.func(*self.args, **self.kwargs)
  File "/usr/local/lib/python3.9/site-packages/pulp_python/app/tasks/publish.py", line 65, in publish
    write_simple_api(publication)
  File "/usr/local/lib/python3.9/site-packages/pulpcore/tasking/storage.py", line 98, in __exit__
    os.chdir(self._prev_dir)
  File "/usr/local/lib/python3.9/site-packages/pulpcore/tasking/storage.py", line 55, in delete
    self._delete()
  File "/usr/local/lib/python3.9/site-packages/pulpcore/tasking/storage.py", line 65, in _delete
    #shutil.rmtree(self.path, ignore_errors=True)
  File "/usr/local/lib/python3.9/shutil.py", line 718, in rmtree
    _rmtree_safe_fd(fd, path, onerror)
  File "/usr/local/lib/python3.9/shutil.py", line 655, in _rmtree_safe_fd
    _rmtree_safe_fd(dirfd, fullname, onerror)
  File "/usr/local/lib/python3.9/shutil.py", line 659, in _rmtree_safe_fd
    onerror(os.rmdir, fullname, sys.exc_info())
  File "/usr/local/lib/python3.9/shutil.py", line 657, in _rmtree_safe_fd
    os.rmdir(entry.name, dir_fd=topfd)
OSError: [Errno 39] Directory not empty: 'wheel'
```

One quick fix maybe ignore 'OSError' or pass 'shutil.rmtree(self.path, ignore_errors=True)' ref: <https://docs.python.org/3/library/shutil.html#shutil.rmtree>

Associated revisions

Revision dd74995 - 04/21/2021 03:34 PM - pmishra

fix directory not empty error

fix issue with shutil.rmtree sometime failing with error [Errno 39]Directory not empty, added new exception block to catch OSError and retry the rmtree with 'ignore_errors' set to True <https://docs.python.org/3/library/shutil.html#shutil.rmtree>

closes #8595

Update CHANGES/8595.bugfix

Co-authored-by: David Davis daviddavis@users.noreply.github.com

History

#1 - 04/20/2021 01:50 AM - pmishra

```
# ls -laR 6@pulp-d7cb84bff-bxt1q/
6@pulp-d7cb84bff-bxt1q/:
total 0
drwx----- 3 nobody nobody 50 Apr 20 01:45 .
drwxrwxrwx 7 root root 98 Apr 20 01:43 ..
drwx----- 3 nobody nobody 30 Apr 20 01:45 32f29a54-4ce4-4684-a192-127e06321051

6@pulp-d7cb84bff-bxt1q/32f29a54-4ce4-4684-a192-127e06321051:
total 0
drwx----- 3 nobody nobody 30 Apr 20 01:45 .
drwx----- 3 nobody nobody 50 Apr 20 01:45 ..
drwx----- 3 nobody nobody 20 Apr 20 01:45 workdir_hlo8pjqn

6@pulp-d7cb84bff-bxt1q/32f29a54-4ce4-4684-a192-127e06321051/workdir_hlo8pjqn:
total 0
drwx----- 3 nobody nobody 20 Apr 20 01:45 .
drwx----- 3 nobody nobody 30 Apr 20 01:45 ..
drwxr-xr-x 3 nobody nobody 19 Apr 20 01:45 simple

6@pulp-d7cb84bff-bxt1q/32f29a54-4ce4-4684-a192-127e06321051/workdir_hlo8pjqn/simple:
total 0
drwxr-xr-x 3 nobody nobody 19 Apr 20 01:45 .
drwx----- 3 nobody nobody 20 Apr 20 01:45 ..
drwxr-xr-x 2 nobody nobody 6 Apr 20 01:45 wheel

6@pulp-d7cb84bff-bxt1q/32f29a54-4ce4-4684-a192-127e06321051/workdir_hlo8pjqn/simple/wheel:
total 0
drwxr-xr-x 2 nobody nobody 6 Apr 20 01:45 .
drwxr-xr-x 3 nobody nobody 19 Apr 20 01:45 ..
```

#2 - 04/20/2021 04:43 PM - daviddavis

- Triaged changed from No to Yes

#3 - 04/20/2021 08:42 PM - pulpbot

- Status changed from NEW to POST

PR: <https://github.com/pulp/pulpcore/pull/1267>

#4 - 04/21/2021 03:34 PM - pmishra

- Status changed from POST to MODIFIED

Applied in changeset [pulpcore|dd74995ba71a5f504d5ecbe0c8db90c38751baf](https://pulpcore.org/commits/dd74995ba71a5f504d5ecbe0c8db90c38751baf).

#5 - 05/25/2021 09:42 PM - dalley

- Sprint/Milestone set to 3.13.0

#6 - 05/26/2021 12:07 AM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE