

Docker Support - Issue #2142

Units created with 0-byte files when sync runs out of disk space

08/09/2016 03:43 PM - mhrivnak

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	High	Due date:	
Assignee:	dkliban@redhat.com	Estimated time:	0:00 hour
Category:			
Sprint/Milestone:			
Severity:	3. High	Groomed:	No
Version - Docker:	master	Sprint Candidate:	No
Platform Release:	2.9.3	Tags:	Pulp 2
Target Release - Docker:		Sprint:	Sprint 7
OS:		Quarter:	
Triaged:	Yes		

Description

I created a very small filesystem, mounted it to `/var/cache/pulp/`, and made sure the apache user had permission to write to it. I then tried to do a docker sync of a centos repo from docker hub.

```
$ dd if=/dev/zero of=foofs bs=1024 count=1000
$ mke2fs foofs
$ sudo mount -o loop ./foofs /var/cache/pulp/
$ prestart
$ pulp-admin docker repo create --repo-id=centos --feed=https://registry-1.docker.io/ --upstream-name=centos
$ pulp-admin docker repo sync run --repo-id=centos
```

I saw the task fail with an error message in the terminal and lots of errors in the log. But after it was done, there were 11 blob units in the database, 10 of which were associated to the repo. The files were in `/var/lib/pulp/content/` but most had a length of 0 bytes.

```
$ find /var/lib/pulp/content/units/docker_blob/ -type f | xargs ls -lh
-rw-r--r-- 1 apache apache    32 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/12/86843087e8774c31f670616e3c7e693a725d5615fe02d1043030e936d0e4f9/sha256:a3ed95caeb02ffe68cdd9fd84406680ae93d633cb16422d00e8a7c22955b46d4
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/20/5ecdb17746b9c6e24e9c7c7ab6751d0315a78b265edb05df2924009da9f90a/sha256:f6e4e6bc8376818ff75e2818d38b9451b87e3348e1d8256bef64ecd9000e7305
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/52/c7b2a0896b367f1bcfa2e736f32fed0ccf459a7ad41ca3bf1aa23eb31f516b/sha256:3eaa9b70c44a88d9d4c2bcac5f8af1f7f63e12eae72fd21a029a54ad95a47f50
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/5d/02bff11fee510f89fa10a43ef3b219f929ac6596477b86dc44fd03a2970512/sha256:f19ed9d73b3ef2c54aef640d150f40de66926016b485da5d086f9666679ce5a0
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/62/6628be11abffb60b82481339a748fe11752b36aad0d03c7e49166ba8a05ed3/sha256:d129ecdb0249b2540429964ecf04a8f426199d27bfec517ecd9f19b2c7ae21ba
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/75/9230be77c479edac688ee64f2481561d2edcdd68a4b0307c8b79945778e993/sha256:5237cae4d62996a5c7e0dec4eec6a221b5cad630c4d7de33db57004d6cd2501b
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/87/66436ca847c58b74b7e4b03fcb65d20e061ca4312ed92a2c6e5c63ee868612/sha256:2fbc3a450f5d5be9ac8ed64d7a5e2434adc4156ab2530bcf74e32376de0aa371
-rw-r--r-- 1 apache apache     0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/d5/de1456ada563c480f721bd94951b569df51e2e31e9185f59fcd7ccd60b850/sha256:ebd69957142bd0a24ecd4d5293bcfc18c2732741afb2e2401c60d13c3e80798c
-rw-r--r-- 1 apache apache 804K Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/db/ac044223053fc10dff79e714751d4a94b6a01e80ee0ebb6523f2302ee091de/sha256:b6d7b2ebc0a7f5c0e87724be3904839d65562ec69909232celb7524257eb41af
```

```
-rw-r--r-- 1 apache apache    0 Aug  9 13:24 /var/lib/pulp/content/units/docker_blob/fa/5119032836
af90a70da36533618d5742d382938bfc24acec2f30d466a8f3c4/sha256:3d8673bd162aafaf70e94029801a409fa32103
63707eale7956b6f8ff9351cc8
```

This was the terminal output:

```
$ pulp-admin docker repo sync run --repo-id=centos
```

```
+-----+
|                Synchronizing Repository [centos]                |
+-----+
```

This command may be exited via ctrl+c without affecting the request.

Downloading manifests

```
[-]
... completed
```

Copying units already in pulp

```
[-]
... completed
```

Copying units already in pulp

```
[-]
... completed
```

Downloading remote files

```
[====] 9%
1 of 11 items
... failed
```

Task Failed

Content import of

```
/var/cache/pulp/reserved_resource_worker-0@dev/52cdb2fd-8e19-4b33-bab8-8cb75715a
737/sha256:08a7a0bb61228a03e099486f3ffbb4e617a7b61d69aa7e8e803d925e1c5ebaaa
failed - must be an existing file.
```

and the log output;

```
Aug 09 13:23:22 dev pulp[18984]: kombu.transport.qpid:INFO: Connected to qpid with SASL mechanism
ANONYMOUS
Aug 09 13:23:22 dev pulp[19004]: celery.worker.strategy:INFO: Received task: pulp.server.async.tas
ks._queue_reserved_task[95175ded-1bf6-4c04-a390-6e46175bf2ce]
Aug 09 13:23:22 dev pulp[19015]: celery.worker.strategy:INFO: Received task: pulp.server.managers.
repo.sync.sync[5533191e-d489-4b90-bdab-10b160920bd6]
Aug 09 13:23:22 dev pulp[19015]: celery.worker.strategy:INFO: Received task: pulp.server.async.tas
ks._release_resource[8f566b88-baa1-4d29-b2ce-e0fdbde32fe4]
Aug 09 13:23:22 dev pulp[19004]: celery.worker.job:INFO: Task pulp.server.async.tasks._queue_reser
ved_task[95175ded-1bf6-4c04-a390-6e46175bf2ce] succeeded in 0.0363659770228s: None
Aug 09 13:23:22 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (1): index.docker.io
Aug 09 13:23:22 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (1): auth.docker.io
Aug 09 13:23:22 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (2): index.docker.io
Aug 09 13:23:22 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (3): index.docker.io
Aug 09 13:23:22 dev pulp[19105]: pulp.server.async.tasks:INFO: Task failed : [5533191e-d489-4b90-b
dab-10b160920bd6] : Could not fetch repository centos from registry https://index.docker.io/ - Una
uthorized or Not Found
Aug 09 13:23:22 dev pulp[19015]: celery.worker.job:INFO: Task pulp.server.managers.repo.sync.sync[
5533191e-d489-4b90-bdab-10b160920bd6] raised expected: PulpCodedException()
Aug 09 13:23:22 dev pulp[19015]: celery.worker.job:INFO: Task pulp.server.async.tasks._release_res
ource[8f566b88-baa1-4d29-b2ce-e0fdbde32fe4] succeeded in 0.00693614489865s: None
Aug 09 13:24:08 dev pulp[18983]: kombu.transport.qpid:INFO: Connected to qpid with SASL mechanism
ANONYMOUS
Aug 09 13:24:08 dev pulp[19004]: celery.worker.strategy:INFO: Received task: pulp.server.async.tas
```

```
ks._queue_reserved_task[d3c84ccd-8d9d-42d4-b500-b37c724722a9]
Aug 09 13:24:08 dev pulp[19015]: celery.worker.strategy:INFO: Received task: pulp.server.tasks.repository.distributor_update[0d6c6f10-d84b-4e6a-bba3-2b348f6623ce]
Aug 09 13:24:08 dev pulp[19015]: celery.worker.strategy:INFO: Received task: pulp.server.async.tasks._release_resource[9761fa09-1a1f-4a96-8bad-251904a23425]
Aug 09 13:24:08 dev pulp[19004]: celery.worker.job:INFO: Task pulp.server.async.tasks._queue_reserved_task[d3c84ccd-8d9d-42d4-b500-b37c724722a9] succeeded in 0.0386713229818s: None
Aug 09 13:24:08 dev pulp[19015]: celery.worker.job:INFO: Task pulp.server.tasks.repository.distributor_update[0d6c6f10-d84b-4e6a-bba3-2b348f6623ce] succeeded in 0.074527513003s: <pulp.server.async.tasks.TaskResult object at 0x7effcbba6510>
Aug 09 13:24:08 dev pulp[19015]: celery.worker.job:INFO: Task pulp.server.async.tasks._release_resource[9761fa09-1a1f-4a96-8bad-251904a23425] succeeded in 0.00498440302908s: None
Aug 09 13:24:11 dev pulp[19004]: celery.worker.strategy:INFO: Received task: pulp.server.async.tasks._queue_reserved_task[fe4c8d10-534d-4263-a369-9ad8ffad43ba]
Aug 09 13:24:11 dev pulp[19015]: celery.worker.strategy:INFO: Received task: pulp.server.managers.repo.sync.sync[52cdb2fd-8e19-4b33-bab8-8cb75715a737]
Aug 09 13:24:11 dev pulp[19015]: celery.worker.strategy:INFO: Received task: pulp.server.async.tasks._release_resource[f8db0c7b-13f9-42ab-9bf2-d5c0eec19737]
Aug 09 13:24:11 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (1): registry-1.docker.io
Aug 09 13:24:11 dev pulp[19004]: celery.worker.job:INFO: Task pulp.server.async.tasks._queue_reserved_task[fe4c8d10-534d-4263-a369-9ad8ffad43ba] succeeded in 0.0350315800169s: None
Aug 09 13:24:11 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (1): auth.docker.io
Aug 09 13:24:11 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (2): registry-1.docker.io
Aug 09 13:24:12 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (3): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (1): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (2): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (3): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (4): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (5): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (6): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (1): dseasb33srrn.cloudfront.net
Aug 09 13:24:16 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) [Errno 28] No space left on device
Aug 09 13:24:16 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) Traceback (most recent call last):
Aug 09 13:24:16 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816)   File "/usr/lib/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
Aug 09 13:24:16 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816)     file_handle.write(chunk)
Aug 09 13:24:16 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) IOError: [Errno 28] No space left on device
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (7): registry-1.docker.io
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (2): dseasb33srrn.cloudfront.net
Aug 09 13:24:16 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS connection (3): dseasb33srrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) [Errno 28] No space left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) Traceback (most recent call last):
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520)   File "/usr/lib/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520)     file_handle.write(chunk)
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) IOError: [Errno
```

```
28] No space left on device
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (4): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) [Errno 28] No sp
ace left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) Traceback (most
recent call last):
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) File "/usr/lib
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) file_handle.
write(chunk)
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) IOError: [Errno
28] No space left on device
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (5): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) [Errno 28] No sp
ace left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) Traceback (most
recent call last):
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) File "/usr/lib
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) file_handle.
write(chunk)
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) IOError: [Errno
28] No space left on device
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (8): registry-1.docker.io
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) [Errno 28] No sp
ace left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) Traceback (most
recent call last):
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) File "/usr/lib
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) file_handle.
write(chunk)
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) IOError: [Errno
28] No space left on device
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (9): registry-1.docker.io
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (10): registry-1.docker.io
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (6): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (7): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (8): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (9): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: requests.packages.urllib3.connectionpool:INFO: Starting new HTTPS
connection (10): dseasb33srrnrn.cloudfront.net
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-64224) [Errno 28] No sp
ace left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-64224) Traceback (most
recent call last):
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-64224) File "/usr/lib
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-64224) file_handle.
write(chunk)
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-64224) IOError: [Errno
28] No space left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) [Errno 28] No sp
ace left on device
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) Traceback (most
recent call last):
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) File "/usr/lib
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch
```

```
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) file_handle.  
write(chunk)  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-86112) IOError: [Errno  
28] No space left on device  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) [Errno 28] No sp  
ace left on device: u'/var/cache/pulp/reserved_resource_worker-0@dev/52cdb2fd-8e19-4b33-bab8-8cb75  
715a737/sha256:08a7a0bb61228a03e099486f3ffbb4e617a7b61d69aa7e8e803d925e1c5ebaaa'  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) Traceback (most  
recent call last):  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) File "/usr/lib  
/python2.7/site-packages/nectar/downloaders/threaded.py", line 229, in _fetch  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) file_handle  
= request.initialize_file_handle()  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) File "/usr/lib  
/python2.7/site-packages/nectar/request.py", line 46, in initialize_file_handle  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) self._file_h  
andle = open(self.destination, 'wb') # cache the handle  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78816) IOError: [Errno  
28] No space left on device: u'/var/cache/pulp/reserved_resource_worker-0@dev/52cdb2fd-8e19-4b33-b  
ab8-8cb75715a737/sha256:08a7a0bb61228a03e099486f3ffbb4e617a7b61d69aa7e8e803d925e1c5ebaaa'  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) [Errno 28] No sp  
ace left on device  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) Traceback (most  
recent call last):  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) File "/usr/lib  
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) file_handle.  
write(chunk)  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-78656) IOError: [Errno  
28] No space left on device  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) [Errno 28] No sp  
ace left on device  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) Traceback (most  
recent call last):  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) File "/usr/lib  
/python2.7/site-packages/nectar/downloaders/threaded.py", line 243, in _fetch  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) file_handle.  
write(chunk)  
Aug 09 13:24:17 dev pulp[19105]: nectar.downloaders.threaded:ERROR: (19105-71520) IOError: [Errno  
28] No space left on device  
Aug 09 13:24:18 dev pulp[19105]: pulp.server.async.tasks:INFO: Task failed : [52cdb2fd-8e19-4b33-b  
ab8-8cb75715a737] : Content import of /var/cache/pulp/reserved_resource_worker-0@dev/52cdb2fd-8e19  
-4b33-bab8-8cb75715a737/sha256:08a7a0bb61228a03e099486f3ffbb4e617a7b61d69aa7e8e803d925e1c5ebaaa fa  
iled - must be an existing file.  
Aug 09 13:24:18 dev pulp[19105]: celery.worker.job:INFO: Task pulp.server.managers.repo.sync.sync[  
52cdb2fd-8e19-4b33-bab8-8cb75715a737] raised expected: PulpCodedException()
```

Related issues:

Related to RPM Support - Issue #1823: RPMs partially downloaded

CLOSED - CURRENT RELEASE

Associated revisions

Revision d1add74f - 08/16/2016 02:56 PM - dkliban@redhat.com

Stops sync on any download failures

closes #2142 <https://pulp.plan.io/issues/2142>

Revision d1add74f - 08/16/2016 02:56 PM - dkliban@redhat.com

Stops sync on any download failures

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Revision d1add74f - 08/16/2016 02:56 PM - dkliban@redhat.com

Stops sync on any download failures

closes #2142 <https://pulp.plan.io/issues/2142>

Revision b7c8bfde - 08/16/2016 09:26 PM - dkliban@redhat.com

Adds a check for 'No space left on device' on download failures

re #2142 <https://pulp.plan.io/issues/2142>

Revision b7c8bfde - 08/16/2016 09:26 PM - dkliban@redhat.com

Adds a check for 'No space left on device' on download failures

re #2142 <https://pulp.plan.io/issues/2142>

History

#1 - 08/09/2016 05:17 PM - amacdona@redhat.com

- Triaged changed from No to Yes

#2 - 08/09/2016 05:21 PM - mhrivnak

Per discussion in IRC, if a change is required in platform, it should go on 2.8-dev.

#3 - 08/09/2016 09:09 PM - dkliban@redhat.com

- Status changed from NEW to ASSIGNED

- Assignee set to dkliban@redhat.com

#4 - 08/09/2016 09:43 PM - mhrivnak

- Related to Issue #1823: RPMs partially downloaded added

#5 - 08/11/2016 04:08 PM - dkliban@redhat.com

- Sprint/Milestone set to 24

#6 - 08/15/2016 08:18 PM - mhrivnak

- Sprint/Milestone changed from 24 to 25

#7 - 08/15/2016 09:13 PM - dkliban@redhat.com

The sync of a docker repository consists of multiple steps. One of the steps is responsible for downloading files into the working directory. This work is done by nectar. Nectar uses threads to perform the downloads in parallel. After all the files are downloaded, the next step creates each unit in the database and copies the unit's file from the working directory to the content directory.

To perform the download, nectar creates an empty file and then writes to it the content it is retrieving from upstream repository. The "No space left on device" exception occurs during the download step of the sync. When nectar encounters any exception, it calls a failure handler. The failure handler increments the number of download failures and the sync process continues running. After all the downloads are finished, the next steps copies the empty files into the content directory in Pulp. The task is marked as successfully completed even though the content is not usable.

Since the out of space exception should stop the sync process completely, it is necessary to raise an exception that will propagate to the main thread running the task. The current nectar design does not allow for such propagation. However, it is possible to check the exception in the failure handler that that nectar calls on download failure. If the failure handler sees the "No space left on device" exception, it will kill the process. As a result, the worker will restart and the task status for the sync will be updated with a failed status and a message stating the worker exited unexpectedly. The logs will contain "No space left on device" exception.

#8 - 08/15/2016 10:19 PM - dkliban@redhat.com

- Status changed from ASSIGNED to POST

- Platform Release set to 2.9.3

The fix specific to docker:

https://github.com/pulp/pulp_docker/pull/174

The more general fix in platform:

<https://github.com/pulp/pulp/pull/2702>

#9 - 08/18/2016 06:18 PM - dkliban@redhat.com

- Status changed from POST to MODIFIED
- % Done changed from 0 to 100

Applied in changeset [d1add74f5b5f9401c95bad14b499570d2905ecc6](#).

#10 - 08/30/2016 08:47 PM - semyers

- Status changed from MODIFIED to 5

#11 - 09/19/2016 11:04 PM - semyers

- Status changed from 5 to CLOSED - CURRENTRELEASE

#12 - 03/08/2018 08:08 PM - bmbouter

- Sprint set to Sprint 7

#13 - 03/08/2018 08:09 PM - bmbouter

- Sprint/Milestone deleted (25)

#14 - 04/15/2019 10:26 PM - bmbouter

- Tags Pulp 2 added