

CephFS - Bug #42228

mgr/dashboard: backend API test failure "test_access_permissions"

10/08/2019 11:41 AM - Laura Paduano

Status:	Resolved	% Done:	0%
Priority:	Normal		
Assignee:	Patrick Donnelly		
Category:			
Target version:	v15.0.0		
Source:	Q/A	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:	nautilus	Component(FS):	qa-suite
Regression:	No	Labels (FS):	
Severity:	3 - minor	Pull request ID:	30816
Reviewed:		Crash signature:	

Description

I got this error on my local system (based on master) and it also failed on a PR test (<https://jenkins.ceph.com/job/ceph-dashboard-pr-backend/30/console>):

```
2019-10-08 11:05:57,510.510 INFO:__main__:Stopped test: test_access_permissions (tasks.mgr.dashboa
rd.test_cephfs.CephfsTest) in 22.789247s
2019-10-08 11:05:57,510.510 INFO:__main__:
2019-10-08 11:05:57,510.510 INFO:__main__:=====
=====
2019-10-08 11:05:57,510.510 INFO:__main__:ERROR: test_access_permissions (tasks.mgr.dashboard.test
_cephfs.CephfsTest)
2019-10-08 11:05:57,511.511 INFO:__main__:-----
-----
2019-10-08 11:05:57,511.511 INFO:__main__:Traceback (most recent call last):
2019-10-08 11:05:57,511.511 INFO:__main__: File "/home/jenkins-build/build/workspace/ceph-dashboa
rd-pr-backend/qa/tasks/mgr/dashboard/helper.py", line 154, in setUp
2019-10-08 11:05:57,511.511 INFO:__main__: self.wait_for_health_clear(20)
2019-10-08 11:05:57,511.511 INFO:__main__: File "/home/jenkins-build/build/workspace/ceph-dashboa
rd-pr-backend/qa/tasks/ceph_test_case.py", line 131, in wait_for_health_clear
2019-10-08 11:05:57,511.511 INFO:__main__: self.wait_until_true(is_clear, timeout)
2019-10-08 11:05:57,511.511 INFO:__main__: File "/home/jenkins-build/build/workspace/ceph-dashboa
rd-pr-backend/qa/tasks/ceph_test_case.py", line 163, in wait_until_true
2019-10-08 11:05:57,511.511 INFO:__main__: raise RuntimeError("Timed out after {0}s".format(ela
psed))
2019-10-08 11:05:57,511.511 INFO:__main__:RuntimeError: Timed out after 20s
2019-10-08 11:05:57,511.511 INFO:__main__:
2019-10-08 11:05:57,512.512 INFO:__main__:-----
-----
2019-10-08 11:05:57,512.512 INFO:__main__:Ran 15 tests in 254.204s
2019-10-08 11:05:57,512.512 INFO:__main__:
2019-10-08 11:05:57,512.512 INFO:__main__:FAILED (errors=1)
2019-10-08 11:05:57,512.512 INFO:__main__:
2019-10-08 11:05:57,512.512 INFO:__main__:=====
=====
2019-10-08 11:05:57,512.512 INFO:__main__:ERROR: test_access_permissions (tasks.mgr.dashboard.test
_cephfs.CephfsTest)
2019-10-08 11:05:57,512.512 INFO:__main__:-----
-----
2019-10-08 11:05:57,513.513 INFO:__main__:Traceback (most recent call last):
2019-10-08 11:05:57,513.513 INFO:__main__: File "/home/jenkins-build/build/workspace/ceph-dashboa
rd-pr-backend/qa/tasks/mgr/dashboard/helper.py", line 154, in setUp
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2019-10-08 11:05:57,513.513 INFO:__main__: File "/home/jenkins-build/build/workspace/ceph-dashboa
```

```
rd-pr-backend/qa/tasks/ceph_test_case.py", line 131, in wait_for_health_clear
2019-10-08 11:05:57,513.513 INFO: __main__: self.wait_until_true(is_clear, timeout)
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2019-10-08 11:05:57,513.513 INFO: __main__: raise RuntimeError("Timed out after {0}s".format(ela
psed))
2019-10-08 11:05:57,513.513 INFO: __main__: RuntimeError: Timed out after 20s
```

Related issues:

Related to CephFS - Bug #42434: qa: TOO_FEW_PGS in mimic during upgrade suite...	Resolved
Related to mgr - Bug #44592: mgr/dashboard: ceph-api-nightly-nautilus-backend...	Resolved
Copied to CephFS - Backport #44668: nautilus: mgr/dashboard: backend API test...	Resolved

History

#1 - 10/08/2019 11:42 AM - Laura Paduano

- Description updated

#2 - 10/08/2019 11:42 AM - Laura Paduano

- Description updated

#3 - 10/08/2019 11:59 AM - Stephan Müller

- Status changed from New to In Progress

- Assignee set to Stephan Müller

#4 - 10/08/2019 03:00 PM - Stephan Müller

I tested it on an older compiled cluster and it worked... As on newer builds it fails I assume it's a code change somewhere else that makes this test fail :(

#5 - 10/09/2019 11:15 AM - Stephan Müller

On my new build I get this error, so the change that broke the test comes from outside the dashboard.

#6 - 10/09/2019 11:47 AM - Stephan Müller

I found out that the cluster somehow gets into an unhealthy state, which causes the problem.

```
cluster:
  id: 50cd2934-64df-4f46-b868-154e688e6e42
  health: HEALTH_WARN
        2 pool(s) have non-power-of-two pg_num
```

```
services:
  mon: 3 daemons, quorum a,b,c (age 26m)
  mgr: z(active, since 3m), standbys: x, y
  mds: cephfs:1 (0=a=up:active(laggy or crashed))
  osd: 4 osds: 4 up (since 24m), 4 in (since 24m)
  rgw: 1 daemon active (8000)
```

```
task status:
```

```
data:
  pools: 6 pools, 50 pgs
  objects: 223 objects, 6.0 KiB
  usage: 8.0 GiB used, 4.0 TiB / 4.0 TiB avail
  pgs: 50 active+clean
```

The new power of two warning was merged 23.09.2019 -> <https://github.com/ceph/ceph/pull/30525>

#7 - 10/09/2019 12:02 PM - Stephan Müller

Directly after vstart_runner.py is executed the cluster seems to be fine

```
cluster:
  id:      760fd545-32e4-43d3-b7e5-c7588811e4c8
  health: HEALTH_OK

services:
  mon: 3 daemons, quorum a,b,c (age 2m)
  mgr: x(active, since 2m), standbys: y, z
  osd: 4 osds: 4 up (since 16s), 4 in (since 16s)
  rgw: 1 daemon active (8000)

task status:

data:
  pools: 4 pools, 32 pgs
  objects: 12 objects, 1.2 KiB
  usage: 8.0 GiB used, 4.0 TiB / 4.0 TiB avail
  pgs: 32 active+clean
```

#8 - 10/09/2019 02:46 PM - Stephan Müller

The problem seems to be

```
CEPHFS = True
```

In our [helper.py](#) it will be used to create a cephfs, but [exactly that](#) makes the cluster unhealthy.

If that line is commented out (and all the lines that destroy potential cephfs) no id will be found.

#9 - 10/09/2019 03:07 PM - Stephan Müller

Another reason could be <https://github.com/ceph/ceph/pull/30463> as it introduced a new method one could use to mount CephFs.

#10 - 10/09/2019 05:33 PM - Patrick Donnelly

- Project changed from mgr to CephFS

- Category deleted (dashboard/qa)
- Assignee changed from Stephan Müller to Patrick Donnelly
- Target version set to v15.0.0
- Start date deleted (10/08/2019)
- Component(FS) qa-suite added

The value of mon_pg_warn_min_per_osd is used for selecting the number of PGs. For vstart clusters, its value is 3. That's used here:

<https://github.com/ceph/ceph/blob/e373be849360977a739c803ba2bab60e346d3d24/qa/tasks/cephfs/filesystem.py#L525-L527>

I was able to reproduce the issue with vstart_runner and a cephfs test. I'm going to move this ticket to the cephfs project and write up a patch.

#11 - 10/09/2019 05:46 PM - Patrick Donnelly

- Status changed from In Progress to Fix Under Review
- Pull request ID set to 30816

#12 - 10/15/2019 01:00 AM - Patrick Donnelly

- Status changed from Fix Under Review to Resolved

#13 - 10/22/2019 11:03 PM - Patrick Donnelly

- Related to Bug #42434: qa: TOO_FEW_PGS in mimic during upgrade suite tests added

#14 - 03/13/2020 09:23 AM - Laura Paduano

- Related to Bug #44592: mgr/dashboard: ceph-api-nightly-nautilus-backend test failure added

#15 - 03/18/2020 11:21 AM - Laura Paduano

- Backport set to nautilus

#16 - 03/18/2020 11:23 AM - Laura Paduano

- Status changed from Resolved to Pending Backport

#17 - 03/18/2020 11:23 AM - Laura Paduano

- Copied to Backport #44668: nautilus: mgr/dashboard: backend API test failure "test_access_permissions" added

#18 - 04/09/2020 09:42 AM - Lenz Grimmer

- Status changed from Pending Backport to Resolved