

CephFS - Bug #41337

mgr/volumes: handle incorrect pool_layout setting during `fs subvolume/subvolume group create`

08/19/2019 02:19 PM - Ramana Raja

Status:	Resolved	% Done:	0%
Priority:	High		
Assignee:	Ramana Raja		
Category:	Administration/Usability		
Target version:	v15.0.0		
Source:	Q/A	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:	nautilus	Component(FS):	mgr/volumes
Regression:	No	Labels (FS):	
Severity:	3 - minor	Pull request ID:	29760
Reviewed:		Crash signature:	

Description

Instead of a traceback, raise a clear error and log error message when FS subvolume and subvolume group is created with an invalid pool layout,

```
ceph fs subvolume create ocsci-cephfs csi-vol-d9da6697-bf6f-11e9-ac31-0a580a810209 1073741824 --group_name csi --mode 777 -m 172.30.253.231:6789,172.30.37.131:6789,172.30.75.64:6789 -c /etc/ceph/ceph.conf -n client.admin --keyfile=***stripped*** --pool_layout ocsci-cephfs]: exit status 22: Error EINVAL: Traceback (most recent call last):
  File "/usr/share/ceph/mgr/mgr_module.py", line 909, in _handle_command
    return self.handle_command(inbuf, cmd)
  File "/usr/share/ceph/mgr/volumes/module.py", line 182, in handle_command
    return handler(inbuf, cmd)
  File "/usr/share/ceph/mgr/volumes/module.py", line 231, in _cmd_fs_subvolume_create
    return self.vc.create_subvolume(vol_name, sub_name, group_name, size, mode=mode, pool=pool_layout)
  File "/usr/share/ceph/mgr/volumes/fs/volume.py", line 194, in create_subvolume
    sv.create_subvolume(spec, size, pool=pool, mode=self.octal_str_to_decimal_int(mode))
  File "/usr/share/ceph/mgr/volumes/fs/subvolume.py", line 86, in create_subvolume
    self.fs.setxattr(subvolpath, 'ceph.dir.layout.pool', pool.encode('utf-8'), 0)
  File "cephfs.pyx", line 1087, in cephfs.LibCephFS.setxattr (/home/jenkins-build/build/workspace/ceph-build/ARCH/x86_64/AVAILABLE_ARCH/x86_64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/huge/release/14.2.2/rpm/el7/BUILD/ceph-14.2.2/build/src/pybind/cephfs/pyrex/cephfs.c:11862)
InvalidValue: [Errno 22] error in setxattr
```

Related issues:

Copied to CephFS - Backport #41444: nautilus: mgr/volumes: handle incorrect p...

Resolved

History

#1 - 08/19/2019 08:25 PM - Patrick Donnelly

- Description updated
- Priority changed from Normal to High
- Start date deleted (08/19/2019)

#2 - 08/20/2019 11:01 AM - Ramana Raja

- Status changed from In Progress to Fix Under Review
- Pull request ID set to 29760

#3 - 08/25/2019 04:33 AM - Patrick Donnelly

- Status changed from Fix Under Review to Pending Backport

#4 - 08/26/2019 02:22 PM - Nathan Cutler

- Copied to Backport #41444: *nautilus: mgr/volumes: handle incorrect pool_layout setting during `fs subvolume/subvolume group create` added*

#5 - 09/23/2019 12:53 PM - Nathan Cutler

- Status changed from *Pending Backport* to *Resolved*

While running with `--resolve-parent`, the script "backport-create-issue" noticed that all backports of this issue are in status "Resolved".