

CephFS - Bug #15783

client: enable acls by default

05/09/2016 06:05 PM - Eric Eastman

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|---------------------------|--------------------------|------------------------------|--------|
| Status: | New | % Done: | 0% |
| Priority: | Normal | | |
| Assignee: | Rishabh Dave | | |
| Category: | Administration/Usability | | |
| Target version: | | | |
| Source: | Community (user) | ceph-qa-suite: | |
| Tags: | | Component(FS): | Client |
| Backport: | | Labels (FS): | |
| Regression: | No | Pull request ID: | |
| Severity: | 3 - minor | Crash signature (v1): | |
| Reviewed: | | Crash signature (v2): | |
| Affected Versions: | | | |

Description

I found while doing some SAMBA testing using Jewel on both a kernel mounted and fuse mounted Ceph File system that ACLs cannot be set on directories on the fuse mounted Ceph file system. SAMBA gave the following error in the smbd log file, with log level = 20 when I tried to add an additional user to have access to a directory:

```
2016/05/07 23:41:19.213997, 10, pid=2823630, effective(2000501,2000514), real(2000501, 0)].../source3/modules/vfs_posixacl.c:92(posixacl_sys_acl_set_file) Calling acl_set_file: New folder (4), 0 [2016/05/07 23:41:19.214170, 10, pid=2823630, effective(2000501,2000514),real(2000501, 0)].../source3/modules/vfs_posixacl.c:111 (posixacl_sys_acl_set_file) acl_set_file failed: Operation not supported
```

This same SAMBA test works without errors on the same Ceph file system if it is kernel mounted.

A simple test of setting an ACL from the command line to a fuse mounted Ceph file system also fails:

```
# mkdir /cephfsFUSE/x
# setfacl -m d:o:rw /cephfsFUSE/x
setfacl: /cephfsFUSE/x: Operation not supported
```

The same test to the same Ceph file system using the kernel mount method works.

This was first reported on the ceph-user email list: <http://www.spinics.net/lists/ceph-users/msg27568.html>

Test setup info:

```
ceph -v
ceph version 10.2.0 (3a9fba20ec743699b69bd0181dd6c54dc01c64b9)
```

Ubuntu version is 14.04 with the 4.6rc4 PPA kernel:

```
uname -a
Linux ede-c1-gw04 4.6.0-040600rc4-generic #201604172330 SMP Mon Apr 18 03:32:32 UTC 2016 x86_64 x86_64 x86_64
GNU/Linux
```

Samba version 4.4.2

Ceph file system mount info:

```
grep ceph /proc/mounts
10.14.2.11,10.14.2.12,10.14.2.13:/cephfs ceph rw,noatime,name=cephfs,secret=<hidden>,acl 0 0
ceph-fuse /cephfsFUSE fuse.ceph-fuse rw,noatime,user_id=0,group_id=0,default_permissions,allow_other 0 0
```

I put instructions on how I built SAMBA, the smb.conf file, /etc/fstab, and the ceph.conf file in pastebin at:
<http://pastebin.com/hv7PEqNm>

History

#1 - 05/10/2016 02:04 AM - Zheng Yan

- Status changed from New to 4

To enable ACL support, you need to add "--fuse_default_permission=0 --client_acl_type=posix_acl" options to ceph-fuse.

#2 - 05/12/2016 07:15 PM - Greg Farnum

Is there some reason we shouldn't make those the default behaviors at this point?

#3 - 07/19/2016 11:22 PM - Greg Farnum

- Category set to Administration/Usability

- Assignee set to Zheng Yan

Zheng?

#4 - 04/09/2018 09:09 PM - Patrick Donnelly

- Subject changed from Cannot set ACLs on FUSE mounted ceph file to client: enable acls by default

- Assignee changed from Zheng Yan to Patrick Donnelly

- Target version set to v13.0.0

- Component(FS) Client added

#5 - 05/22/2018 10:09 PM - Patrick Donnelly

- Priority changed from Normal to Urgent

- Target version changed from v13.0.0 to v14.0.0

#6 - 09/07/2018 01:53 AM - Patrick Donnelly

- Status changed from 4 to New

#7 - 01/24/2019 02:39 PM - Patrick Donnelly

- Assignee changed from Patrick Donnelly to Rishabh Dave

#8 - 02/21/2019 07:53 PM - Patrick Donnelly

- Status changed from New to In Progress

- Priority changed from Urgent to Normal

- Target version changed from v14.0.0 to v15.0.0

- Start date deleted (05/09/2016)

#9 - 01/24/2020 11:11 PM - Patrick Donnelly

- Target version deleted (v15.0.0)

#10 - 04/28/2021 06:34 AM - Rishabh Dave

- Status changed from In Progress to New