

## CephFS - Bug #23813

client: "remove\_session\_caps still has dirty|flushing caps" when thrashing max\_mds

04/21/2018 05:03 AM - Patrick Donnelly

<b>Status:</b>	Resolved	<b>% Done:</b>	0%
<b>Priority:</b>	Urgent		
<b>Assignee:</b>	Zheng Yan		
<b>Category:</b>	Correctness/Safety		
<b>Target version:</b>	v13.0.0		
<b>Source:</b>	Development	<b>Affected Versions:</b>	
<b>Tags:</b>		<b>ceph-qa-suite:</b>	
<b>Backport:</b>	luminous	<b>Component(FS):</b>	Client, MDS
<b>Regression:</b>	No	<b>Labels (FS):</b>	multimds, task(medium)
<b>Severity:</b>	3 - minor	<b>Pull request ID:</b>	
<b>Reviewed:</b>		<b>Crash signature:</b>	

### Description

While doing a simple copy of /usr with ceph-fuse and thrashing max\_mds between 1 and 2, I got these errors from ceph-fuse:

```
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x10000006ebc.head(faked_ino=0 ref=2 ll_ref=0 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-28 06:30:45.687641 ctime=2018-04-21 00:43:13.684431 caps=- dirty_caps=Fx parents=0x10000006eab.head["Debian"] 0x3b91e2d080)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x10000006eac.head(faked_ino=0 ref=2 ll_ref=0 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-28 06:30:45.687641 ctime=2018-04-21 00:43:13.171152 caps=- dirty_caps=Fx parents=0x10000006eab.head["Cygwin"] 0x3b91e8b180)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x100000070d4.head(faked_ino=0 ref=2 ll_ref=0 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-28 06:30:45.627642 ctime=2018-04-21 00:43:19.574843 caps=- dirty_caps=Fx parents=0x10000006eab.head["openSUSE"] 0x3b930ce000)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x10000006db4.head(faked_ino=0 ref=2 ll_ref=0 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-28 06:30:45.607642 ctime=2018-04-21 00:43:09.100143 caps=- dirty_caps=Fx parents=0x10000006db3.head["scripts"] 0x3b91bd5080)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x10000000045.head(faked_ino=0 ref=4 ll_ref=18 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-09 18:00:35.636418 ctime=2018-04-21 00:53:01.063777 caps=- dirty_caps=Fx parents=0x10000000039.head["lib"] 0x3b73c3fb80)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x10000000043.head(faked_ino=0 ref=4 ll_ref=10 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-09 18:00:35.616419 ctime=2018-04-21 00:53:00.824885 caps=- dirty_caps=Fx parents=0x10000000039.head["dist"] 0x3b73c3f080)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x1000000004b.head(faked_ino=0 ref=4 ll_ref=18 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-09 18:00:35.652418 ctime=2018-04-21 00:53:01.314370 caps=- dirty_caps=Fx parents=0x10000000039.head["test"] 0x3b73cce000)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x100000000b4.head(faked_ino=0 ref=4 ll_ref=12 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-09 18:00:34.184445 ctime=2018-04-21 00:53:05.989777 caps=- dirty_caps=Fx parents=0x100000000ab.head[".nyc_output"] 0x3b73cbc680)
2018-04-21 00:53:20.635 7f2288e11700 -1 client.5313 remove_session_caps still has dirty|flushing caps on 0x100000000b7.head(faked_ino=0 ref=4 ll_ref=10 cap_refs={} open={} mode=40755 size=0/0 btime=0.000000 mtime=2018-03-09 18:00:34.188445 ctime=2018-04-21 00:53:06.075546 caps=- dirty_caps=Fx parents=0x100000000ab.head["test"] 0x3b73cbd700)
```

Seems we're not flushing caps completely when ranks are shutting down?

**Related issues:**

Copied to CephFS - Backport #23934: luminous: client: "remove\_session\_caps st...

**Resolved**

**History**

**#1 - 04/23/2018 10:45 AM - Zheng Yan**

- Status changed from New to Fix Under Review

<https://github.com/ceph/ceph/pull/21593>

**#2 - 04/29/2018 08:06 PM - Patrick Donnelly**

- Status changed from Fix Under Review to Pending Backport

**#3 - 04/29/2018 08:30 PM - Nathan Cutler**

- Copied to Backport #23934: luminous: client: "remove\_session\_caps still has dirty|flushing caps" when thrashing max\_mds added

**#4 - 05/08/2018 08:41 PM - Nathan Cutler**

- Status changed from Pending Backport to Resolved