

fs - Bug #38652

mds|kclient: MDS_CLIENT_LATE_RELEASE warning caused by inline bug on RHEL 7.5

03/08/2019 07:03 PM - Patrick Donnelly

Status:	Resolved	% Done:	0%
Priority:	Urgent		
Assignee:	Zheng Yan		
Category:			
Target version:	v15.0.0		
Source:	Q/A	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:	nautilus	Component(FS):	MDS, kceph
Regression:	No	Labels (FS):	
Severity:	3 - minor	Pull request ID:	26881
Reviewed:		Crash signature:	

Description

```
Failure: "2019-03-07 20:19:55.015557 mon.b (mon.0) 310 : cluster [WRN] Health check failed: 1 clients failing to respond to capability release (MDS_CLIENT_LATE_RELEASE)" in cluster log
23 jobs: ['3679196', '3679259', '3679211', '3679328', '3679383', '3679117', '3679469', '3679375', '3679414', '3679274', '3679156', '3679289', '3679282', '3679297', '3679242', '3679159', '3679070', '3679446', '3679461', '3679125', '3679417', '3679110', '3679312']
suites intersection: ['conf/{client.yaml', 'fuse-default-perm-no.yaml}', 'mds.yaml', 'mon.yaml', 'mount/kclient/{mount.yaml', 'ms-die-on-skipped.yaml}}', 'multimds/basic/{begin.yaml', 'osd.yaml}', 'overrides/{basic/{frag_enable.yaml', 'q_check_counter/check_counter.yaml', 'whitelist_health.yaml', 'whitelist_wrongly_marked_down.yaml}']
suites union: ['clusters/3-mds.yaml', 'clusters/9-mds.yaml', 'conf/{client.yaml', 'fuse-default-perm-no.yaml}', 'inline/no.yaml', 'inline/yes.yaml', 'k-distro.yaml}', 'mds.yaml', 'mon.yaml', 'mount/kclient/{mount.yaml', 'ms-die-on-skipped.yaml}}', 'multimds/basic/{begin.yaml', 'objectstore-ec/bluestore-bitmap.yaml', 'objectstore-ec/bluestore-comp-ec-root.yaml', 'objectstore-ec/bluestore-comp.yaml', 'objectstore-ec/bluestore-ec-root.yaml', 'objectstore-ec/filestore-xfs.yaml', 'osd.yaml}', 'overrides/{basic/{frag_enable.yaml', 'overrides/{distro/random/{k-testing.yaml', 'overrides/{distro/rhel/{7.5.yaml', 'q_check_counter/check_counter.yaml', 'supported${/rhel_latest.yaml}}', 'supported${/ubuntu_16.04.yaml}}', 'tasks/cfuse_workunit_kernel_untar_build.yaml}', 'tasks/cfuse_workunit_misc.yaml}', 'tasks/cfuse_workunit_suites_blogbench.yaml}', 'tasks/cfuse_workunit_suites_dbench.yaml}', 'tasks/cfuse_workunit_suites_ffsb.yaml}', 'tasks/cfuse_workunit_suites_fsstress.yaml}', 'whitelist_health.yaml', 'whitelist_wrongly_marked_down.yaml}']
```

Ignore k-testing and inline/yes.yaml above, the scrape tool merged this test failure with the above:

http://pulpito.ceph.com/pdonnell-2019-03-07_15:13:09-multimds-wip-pdonnell-testing-20190307.041917-distro-basic-smithi/3679312/

From: http://pulpito.ceph.com/pdonnell-2019-03-07_15:13:09-multimds-wip-pdonnell-testing-20190307.041917-distro-basic-smithi/

Zheng suggested it might be related to inline data:

```
2019-03-07 16:00:35.377 7fde44e5e700 7 mds.1.locker issue_caps loner client.4591 allowed=pAsxLsXsxFsxcrcwb, xlocker allowed=pAsxLsXsxFsxcrcwb, others allowed=pLs on [inode 0x100000001f0 [2,head] /client.0/tmp/blogbench-1.0/src/blogtest_in/blog-2/article-59.xml auth{0=1} v190 dirtyparent s=0 n(v0 rc2019-03-07 16:00:35.311945 1=1+0)/n(v0 1=1+0) (iauth excl) (ifile excl) (ixattr excl) (iversio n lock) cr={4591=0-4194304@1} caps={4591=pAsxLsXsxFsxcrcwb/pAsxXsxFxcwb@1},l=4591 | importingcaps=1 caps=1 dirtyrstat=1 dirtyparent=1 replicated=1 dirty=1 0x5599cb630000]
2019-03-07 16:00:35.377 7fde44e5e700 20 mds.1.locker client.4591 pending pAsxLsXsxFsxcrcwb allowed pAsxLsXsxFsxcrcwb wanted pAsxXsxFxcwb
2019-03-07 16:00:35.377 7fde44e5e700 7 mds.1.locker sending MClientCaps to client.4591 seq 2 n ew pending pAsxLsXsxFsxcrcwb was pAsxLsXsxFsxcrcwb
```

```
2019-03-07 16:00:35.377 7fde44e5e700 20 mds.1.cache.ino(0x100000001f0) encode_cap_message pfile 1
pauth 0 plink 0 pxattr 0 ctime 2019-03-07 16:00:35.311945
2019-03-07 16:00:35.377 7fde44e5e700 10 mds.1.7 send_message_client_counted client.4591 seq 117 cl
ient_caps(revoke ino 0x100000001f0 151 seq 2 caps=pAsxLsXsxFsxcb dirty=- wanted=pAsxXsxFxcwb follo
ws 0 mseq 1 size 0/4194304 ts 1/18446744073709551615 mtime 2019-03-07 16:00:35.306945) v11
```

"Inline data related bug. You can see Frw magically disappeared. I suspect session->get_connection() is null." -Zheng

Related issues:

Duplicated by fs - Bug #38636: Inline data compatibly check in Locker::issue_...	Duplicate	03/08/2019
Copied to fs - Backport #39225: nautilus: mds kclient: MDS_CLIENT_LATE_RELEASES...	Resolved	

History

#1 - 03/08/2019 07:13 PM - Patrick Donnelly

- Duplicated by Bug #38636: Inline data compatibly check in Locker::issue_caps is buggy added

#2 - 03/08/2019 07:13 PM - Patrick Donnelly

See also Zheng's analysis in the ticket he opened: [#38636](#)

#3 - 03/11/2019 12:31 PM - Zheng Yan

- Status changed from 12 to Fix Under Review

- Pull request ID set to 26811

<https://github.com/ceph/ceph/pull/26881>

#4 - 03/27/2019 03:05 AM - Zheng Yan

new issue that can cause this warning (file lock become sync state while Fcb is issued)

/ceph/teuthology-archive/pdonnell-2019-03-16_00:19:15-multimds-wip-pdonnell-testing-20190315.213331-distro-basic-smithi/3730992/

```
2019-03-17 13:21:55.857 1e672700 20 mds.2.migrator did replicate_relax_locks, now [inode 0x2000000039a [2,hea
d] /client.0/tmp/clients/client9/~dmtmp/PARADOX/COURSES.DB auth v103 dirtyparent s=260096 n(v0 rc2019-03-17 13
:19:01.074278 b260096 l=1+0) (iauth excl) (ixattr excl) (iversion lock) cr={4564=0-4194304@1} caps={4564=pAsxL
sXsxFcb/pAsxXsxFsxcrcw@5},l=4564 | ptrwaiter=2 lock=0 caps=1 dirtyparent=1 replicated=0 dirty=1 waiter=0 authp
in=0 0x210b9c90]
```

```
2019-03-17 13:21:55.858 1e672700 20 mds.2.migrator encode_export_inode_caps [inode 0x2000000039a [2,head] /cli
ent.0/tmp/clients/client9/~dmtmp/PARADOX/COURSES.DB auth v103 dirtyparent s=260096 n(v0 rc2019-03-17 13:19:01.
074278 b260096 l=1+0) (iauth excl) (ixattr excl) (iversion lock) cr={4564=0-419
```

#5 - 04/04/2019 07:39 PM - Patrick Donnelly

- Status changed from Fix Under Review to Pending Backport

- Backport changed from nautilus,mimic,luminous to nautilus

#6 - 04/10/2019 09:08 PM - Nathan Cutler

- Copied to Backport #39225: nautilus: mds|kclient: MDS_CLIENT_LATE_RELEASE warning caused by inline bug on RHEL 7.5 added

#7 - 04/10/2019 09:54 PM - Nathan Cutler

- Pull request ID changed from 26811 to 26881

#8 - 04/16/2019 10:56 AM - Nathan Cutler

- Status changed from Pending Backport to Resolved