

CephFS - Bug #40608

mds: assert after `delete gather` in C_Drop_Cache::recall_client_state

07/01/2019 02:57 PM - Dan van der Ster

Status:	Duplicate	% Done:	0%
Priority:	Urgent		
Assignee:	Patrick Donnelly		
Category:			
Target version:	v15.0.0		
Source:	Community (user)	Affected Versions:	v12.2.12
Tags:		ceph-qa-suite:	
Backport:		Component(FS):	MDS
Regression:	No	Labels (FS):	
Severity:	3 - minor	Pull request ID:	
Reviewed:		Crash signature:	

Description

While performing an mds cache drop I had an MDS assert.

Command was:

```
> ceph daemon mds.`hostname` -s` cache drop 10
```

Crash line was:

```
0> 2019-07-01 15:25:20.880887 7f5957186700 -1 /builddir/build/BUILD/ceph-12.2.12/src/include/Context.h: In function 'C_GatherBuilderBase<ContextType, GatherType>::~~C_GatherBuilderBase() [with ContextType = MDSInternalContextBase; GatherType = MDSGather]' thread 7f5957186700 time 2019-07-01 15:25:20.877570
/builddir/build/BUILD/ceph-12.2.12/src/include/Context.h: 432: FAILED assert (activated)
```

Backtrace:

```
(gdb) bt
#0 0x00007f595e9dc49b in raise () from /lib64/libpthread.so.0
#1 0x000055a7faafcb86 in reraise_fatal (signum=6) at /usr/src/debug/ceph-12.2.12/src/global/signal_handler.cc:74
#2 handle_fatal_signal (signum=6) at /usr/src/debug/ceph-12.2.12/src/global/signal_handler.cc:138
#3 <signal handler called>
#4 0x00007f595d9ea207 in raise () from /lib64/libc.so.6
#5 0x00007f595d9eb8f8 in abort () from /lib64/libc.so.6
#6 0x000055a7fab3e6d4 in ceph::__ceph_assert_fail (assertion=assertion@entry=0x55a7faf20f90 "activated",
file=file@entry=0x55a7faf1ed98 "/builddir/build/BUILD/ceph-12.2.12/src/include/Context.h", line=line@entry=432,
func=func@entry=0x55a7faf22540 <C_GatherBuilderBase<MDSInternalContextBase, MDSGather>::~~C_GatherBuilderBase()::__PRETTY_FUNCTION__> "C_GatherBuilderBase<ContextType, GatherType>::~~C_GatherBuilderBase() [with ContextType = MDSInternalContextBase; GatherType = MDSGather]") at /usr/src/debug/ceph-12.2.12/src/common/assert.cc:66
#7 0x000055a7fa8196d2 in C_GatherBuilderBase<MDSInternalContextBase, MDSGather>::~~C_GatherBuilder
```

```
Base (this=<optimized out>, __in_chrg=<optimized out>)
  at /usr/src/debug/ceph-12.2.12/src/include/Context.h:432
#8  0x000055a7fa82092b in C_Drop_Cache::recall_client_state (this=0x55a9106c7680) at /usr/src/debu
g/ceph-12.2.12/src/mds/MDSRank.cc:343
#9  0x000055a7fa7efela in operator() (a0=<optimized out>, this=<optimized out>) at /usr/src/debug/
ceph-12.2.12/build/boost/include/boost/function/function_template.hpp:760
#10 FunctionContext::finish (this=<optimized out>, r=<optimized out>) at /usr/src/debug/ceph-12.2.
12/src/include/Context.h:493
#11 0x000055a7fa7ecfe9 in Context::complete (this=0x55a8f031db60, r=<optimized out>) at /usr/src/d
ebug/ceph-12.2.12/src/include/Context.h:70
#12 0x000055a7fab3ae04 in SafeTimer::timer_thread (this=0x55a80596a078) at /usr/src/debug/ceph-12.
2.12/src/common/Timer.cc:97
#13 0x000055a7fab3c82d in SafeTimerThread::entry (this=<optimized out>) at /usr/src/debug/ceph-12.
2.12/src/common/Timer.cc:30
#14 0x00007f595e9d4dd5 in start_thread () from /lib64/libpthread.so.0
#15 0x00007f595dablead in clone () from /lib64/libc.so.6
```

Some gdb:

```
(gdb) up
#8  0x000055a7fa82092b in C_Drop_Cache::recall_client_state (this=0x55a9106c7680) at /usr/src/debu
g/ceph-12.2.12/src/mds/MDSRank.cc:343
343          delete gather;
(gdb) p gather
$1 = (MDSGatherBuilder *) 0x55a8a8587820
(gdb) p *gather
$2 = {cct = 0x55a8057081c0, c_gather = 0x55a811b2ad80, finisher = 0x0, activated = false}
(gdb)
```

Related issues:

Duplicates CephFS - Bug #38348: mds: drop cache does not timeout as expected

Resolved

History

#1 - 07/03/2019 04:48 AM - Patrick Donnelly

- Subject changed from `assert after `delete gather` in C_Drop_Cache::recall_client_state` to `mds: assert after `delete gather` in C_Drop_Cache::recall_client_state`
- Assignee set to *Patrick Donnelly*
- Priority changed from *Normal* to *Urgent*
- Target version set to *v15.0.0*
- Start date deleted (*07/01/2019*)
- Source set to *Community (user)*
- Backport set to *nautilus,mimic,luminous*
- Component(FS) *MDS added*

#2 - 01/15/2020 07:22 PM - Patrick Donnelly

- Status changed from *New* to *Duplicate*
- Backport deleted (*nautilus,mimic,luminous*)

Fixed by: <https://tracker.ceph.com/issues/38445>

#3 - 01/15/2020 07:22 PM - Patrick Donnelly

- Related to *Bug #38348: mds: drop cache does not timeout as expected* added

#4 - 01/15/2020 07:22 PM - Patrick Donnelly

- Related to deleted (Bug #38348: mds: drop cache does not timeout as expected)

#5 - 01/15/2020 07:23 PM - Patrick Donnelly

- Duplicates Bug #38348: mds: drop cache does not timeout as expected added