

RADOS - Bug #37766

rados_shutdown hang forever in ~objecter()

12/27/2018 08:41 AM - peng wang

Status:	Resolved	Start date:	12/27/2018
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Performance/Resource Usage	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:	Community (dev)	Reviewed:	
Tags:		Affected Versions:	v10.2.10
Backport:	luminous,mimic	ceph-qa-suite:	rbd
Regression:	No	Component(RADOS):	Objecter
Severity:	3 - minor	Pull request ID:	26469

Description

we use tbd todo some test over, and shutdown our client, then it hang for a long time, and didn't go on ever.

it looks like code has some question :

src/common/ceph_timer.h

```
void timer_thread() {
```

```
...
```

```
l.unlock();
```

```
e.f();
```

```
l.lock();
```

```
...
```

```
if (schedule.empty())
```

```
    cond.wait(l);
```

```
else
```

```
    cond.wait_until(l, schedule.begin()->t);
```

```
    ...
```

```
}
```

```
~timer() {
```

```
    suspend();
```

```
    cancel_all_events();
```

```
}
```

```
// Suspend operation of the timer (and let its thread die).
```

```
void suspend() {
```

```
    unique_lock l(lock);
```

```
    if (suspended)
```

```
        return;
```

```
suspended = true;
```

```
    cond.notify_one();
```

```
    l.unlock();
```

```
    thread.join();
```

```
}
```

once called suspend ,but thread is in e.f(),
and schedule is empty, it will hang forever.
shutdown will not go on.

Related issues:

Copied to RADOS - Backport #38398: mimic: rados_shutdown hang forever in ~obj...	Resolved
Copied to RADOS - Backport #38400: luminous: rados_shutdown hang forever in ~...	Resolved

History

#1 - 12/31/2018 01:58 PM - Kefu Chai

- Status changed from New to Need Review
- Target version deleted (v10.2.11)
- Backport set to luminous,mimic

<https://github.com/ceph/ceph/pull/25714>

#2 - 02/17/2019 09:53 AM - Kefu Chai

- Pull request ID set to 26469

#3 - 02/19/2019 02:44 PM - Kefu Chai

- Status changed from Need Review to Pending Backport

#4 - 02/20/2019 10:44 AM - Nathan Cutler

- Copied to Backport #38398: mimic: rados_shutdown hang forever in ~objecter() added

#5 - 02/20/2019 10:44 AM - Nathan Cutler

- Copied to Backport #38400: luminous: rados_shutdown hang forever in ~objecter() added

#6 - 03/22/2019 02:07 PM - Nathan Cutler

- Status changed from Pending Backport to Resolved

Files

bug.jpg	369 KB	12/27/2018	peng wang
---------	--------	------------	-----------