

Ceph - Bug #11693

pidfile is overwritten and removed if the ceph-osd with the specified pidfile is already running

05/21/2015 05:56 AM - Xinze Chi

Status:	Resolved	% Done:	0%
Priority:	Urgent	Spent time:	0.00 hour
Assignee:	Kefu Chai		
Category:			
Target version:			
Source:	Community (dev)	Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:		Pull request ID:	
Regression:	No	Crash signature (v1):	
Severity:	3 - minor	Crash signature (v2):	
Reviewed:			

Description

If osd.5 is already up and running, following command will try to start osd.5 again.

```
/usr/bin/ceph-osd -i 5 --pid-file /var/run/ceph/osd.5.pid
```

this command fails, but the pid file for osd.5 is removed [1] after the command returns.

so we can not identify the running osd.5 using the pid file any more, hence not able to kill it using its pid.

as a result, test/erasure-code/test-erasure-code.sh will leave us with some running OSD daemons after it returns, even if this test passes.

[1] ceph-osd use pidfile_write(g_conf) to write pid file, use atexit(pidfile_remove_void) to remove the pid file.

Associated revisions

Revision f417eda9 - 05/22/2015 07:22 PM - Kefu Chai

tests/test-erasure-code: spin off eio tests into another testsuite

- since the eio tests crashes some of the OSD nodes, before the change, the tests try to undo the crash before moving on, so it won't interfere with following tests. a more robust/clean way to do this is to isolate individual tests in a sandbox, so each eio test will have its own: setup + inject + verify crash + teardown cycle. this change helps to remove the cleanup/undo steps in individual test.
- update the disabled tests accordingly.
- use a minimum set of OSDs and R-S(2,1) for the testing to speed up the test.
- add the new testsuite to check_SCRIPTS

Fixes: #11693
Signed-off-by: Kefu Chai <kchai@redhat.com>

History

#1 - 05/21/2015 06:20 AM - Kefu Chai

- Description updated

#2 - 05/21/2015 06:22 AM - Kefu Chai

- Subject changed from *Do not rewrite and remove pidfile when there are ceph-osd is already running* to *pidfile is overwritten and removed if the ceph-osd with the specified pidfile is already running*

#3 - 05/21/2015 06:23 AM - Kefu Chai

- Description updated

#4 - 05/21/2015 08:33 AM - Kefu Chai

- Status changed from *New* to *Fix Under Review*

<https://github.com/ceph/ceph/pull/4736>

#5 - 05/21/2015 09:01 AM - Loïc Dachary

- Assignee set to *Kefu Chai*

- Priority changed from *High* to *Urgent*

#6 - 05/22/2015 02:21 PM - Kefu Chai

- Source changed from *other* to *Community (dev)*

#7 - 05/25/2015 05:46 AM - Kefu Chai

- Status changed from *Fix Under Review* to *Resolved*