

Ceph - Bug #355

snapshots fail to maintain data integrity

08/16/2010 11:45 AM - Greg Farnum

Status:	Resolved	Start date:	08/16/2010
Priority:	Normal	Due date:	
Assignee:	Sage Weil	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v0.22	Spent time:	0.00 hour
Source:		Reviewed:	
Tags:		Affected Versions:	
Backport:		ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		

Description

I've been noticing snapshots that have corrupted data if you quickly delete the original contents after snapshotting. I've produced this in both cfuse and kclient and wrote a unit test, but the unit test seems to always pass. It's also possible that if you cross the client's buffer size you don't hit this issue. But I tried it with a 2.2MB file and consistently failed, while doing so with the unit test it continued to pass.

No idea what's going on, but I kept logs of both cases. Figure it out!

History

#1 - 08/18/2010 01:16 PM - Sage Weil

- Assignee changed from Greg Farnum to Sage Weil

reproduced with [5a89b8b2c9e871ece9e01390eac317df8e4b7d86](#) and added snaptest-snap-rm-cmp.sh

#2 - 08/19/2010 10:30 AM - Sage Weil

- Status changed from New to Resolved

There were some snapshot writeback problems contributing, that are fixed in unstable. Then there was an osd race when cloning the snap object and then reading it again, fixed by [d0f6991eb6ac32da09b40e652b666c0aaded60ff](#)