

rbd - Bug #17254

Possible deadlock race condition between image close and librados shutdown

09/09/2016 02:37 PM - Jason Dillaman

Status:	Resolved	Start date:	09/09/2016
Priority:	High	Due date:	
Assignee:	Jason Dillaman	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:	other	Reviewed:	
Tags:		Affected Versions:	
Backport:	jewel	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		
Description			
<p>librbd::ImageWatcher::C_UnwatchAndFlush instantiates a librados::Rados class to invoke aio_watch_flush. However, it's possible that the destruction of this librados::Rados instance could race with an explicit librados::Rados::shutdown request of the same connection. This results in a deadlock as librados::Rados::shutdown holds the lock but waits for the finisher to flush the watches -- but the finisher is now deadlocked trying to acquire the librados::Rados lock.</p> <p>See ticket #17252</p>			
Related issues:			
Copied to rbd - Backport #17265: jewel: Possible deadlock race condition betw...			Resolved

History

#1 - 09/09/2016 02:38 PM - Jason Dillaman

- Priority changed from Normal to High

#2 - 09/09/2016 02:59 PM - Jason Dillaman

- Status changed from In Progress to Need Review

PR: <https://github.com/ceph/ceph/pull/11037>

#3 - 09/12/2016 09:10 AM - Mykola Golub

- Status changed from Need Review to Pending Backport

#4 - 09/12/2016 01:52 PM - Xiaoxi Chen

- Copied to Backport #17265: jewel: Possible deadlock race condition between image close and librados shutdown added

#5 - 10/20/2016 02:40 PM - Loic Dachary

- Status changed from Pending Backport to Resolved