

## rbd - Bug #40555

### Disabling journal might result in assertion failure

06/25/2019 07:19 PM - Jason Dillaman

<b>Status:</b>	Resolved	<b>% Done:</b>	0%
<b>Priority:</b>	Normal	<b>Spent time:</b>	0.00 hour
<b>Assignee:</b>			
<b>Category:</b>			
<b>Target version:</b>			
<b>Source:</b>		<b>Affected Versions:</b>	
<b>Tags:</b>		<b>ceph-qa-suite:</b>	
<b>Backport:</b>	luminous,mimic,nautilus	<b>Pull request ID:</b>	
<b>Regression:</b>	No	<b>Crash signature (v1):</b>	
<b>Severity:</b>	3 - minor	<b>Crash signature (v2):</b>	
<b>Reviewed:</b>			

#### Description

In the dynamic features test, a crash was observed in the QEMU process while attempting to disable the journal.

The process of disabling the journal will flush out all IO events. However, if there was an in-flight external flush request, it's op tracking might only start after the IO work queue considers IO to be blocked (AioCompletion::start\_op is only invoked after all preceding IO has flushed). Therefore, the ImageRequestWQ::block\_writes call invoked from the DisableFeatureRequest state machine will proceed even though a flush is still in-flight. When this flush completes and attempts to commit its journal entry, it will fail an assertion since ImageCtx::journal is NULL.

This 'flush' op tracking issue has been fixed in the master branch via a refactor in commit 09e4127d5d, so a smaller change should be implemented in backport branches directly.

[http://qa-proxy.ceph.com/teuthology/yuriw-2019-06-24\\_22:33:04-rbd-wip-yuri3-testing-2019-06-24-2020-luminous-distro-basic-smithi/4065840/teuthology.log](http://qa-proxy.ceph.com/teuthology/yuriw-2019-06-24_22:33:04-rbd-wip-yuri3-testing-2019-06-24-2020-luminous-distro-basic-smithi/4065840/teuthology.log)

#### Related issues:

Copied to rbd - Backport #40572: nautilus: Disabling journal might result in ...	<b>Resolved</b>
Copied to rbd - Backport #40573: mimic: Disabling journal might result in ass...	<b>Resolved</b>
Copied to rbd - Backport #40574: luminous: Disabling journal might result in ...	<b>Resolved</b>

#### History

##### #1 - 06/27/2019 05:49 PM - Jason Dillaman

- Status changed from New to Pending Backport

##### #2 - 06/27/2019 05:49 PM - Jason Dillaman

- Copied to Backport #40572: nautilus: Disabling journal might result in assertion failure added

##### #3 - 06/27/2019 05:53 PM - Jason Dillaman

- Copied to Backport #40573: mimic: Disabling journal might result in assertion failure added

##### #4 - 06/27/2019 05:57 PM - Jason Dillaman

- Copied to Backport #40574: luminous: Disabling journal might result in assertion failure added

##### #5 - 07/25/2019 11:44 AM - Nathan Cutler

- Status changed from Pending Backport to Resolved