

fs - Bug #40284

kclient: evaluate/fix/add lazyio support in the kernel

06/11/2019 08:59 PM - Patrick Donnelly

Status: New	Start date:
Priority: Normal	Due date:
Assignee: Zheng Yan	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version: v15.0.0	Affected Versions:
Source:	ceph-qa-suite:
Tags:	Component(FS): kceph
Backport:	Labels (FS):
Regression: No	Pull request ID:
Severity: 3 - minor	
Reviewed:	

Description

ceph-fuse now supports lazyio but I don't believe we ever checked what needed to be done for the kernel client.

Also, I got a question from Dan @ CERN about how lazyio interacts with the page cache (or for ceph-fuse, the osdc cache). In particular, if a client 1 reads some file blocks and another client 2 updates those blocks, how does client 1 expire its page cache? Does it need to reopen the file? It seems we're missing the lazyio_propagate/lazyio_synchronize interfaces to resolve this which do exist in the Client userspace library [1], but untested ([#40283](#)).

Targeting v15.0.0 just so this ticket is visible in searches.

[1] <http://www.pdsw.org/pdsw09/resources/pdsw-pnfsmplio-hildebrand-public.pdf>

Related issues:

Related to fs - Bug #40283: qa: add testing for lazyio **Need Review**

History

#1 - 06/11/2019 08:59 PM - Patrick Donnelly

- Related to Bug #40283: qa: add testing for lazyio added