

fs - Feature #16523

Assert directory fragmentation is occurring during stress tests

06/29/2016 10:45 AM - John Spray

Status:	Resolved	Start date:	06/27/2016
Priority:	Normal	Due date:	
Assignee:	John Spray	% Done:	0%
Category:	Testing	Estimated time:	0.00 hour
Target version:	v12.0.0	Affected Versions:	
Source:	other	Component(FS):	
Tags:		Labels (FS):	
Backport:		Pull request ID:	
Reviewed:			
Description			
<p>Currently we enable fragmentation and set a low (100) frag size limit, but nothing actually validates that there is any splitting going on, especially during thrashing runs where we care the most.</p> <p>We have performance counters on the MDS that will tell us if splitting has occurred, but they will reset when MDSs restart.</p> <p>We could add something to the thrasher task that captures MDS counters before shutting down, and accumulates values. We don't necessarily need this on every task, just something in there to check that splitting is really happening during at least some stress testing.</p>			

History

#1 - 01/11/2017 02:51 PM - John Spray

- Assignee set to John Spray

#2 - 03/01/2017 03:31 PM - John Spray

- Status changed from New to In Progress

#3 - 03/08/2017 11:07 AM - John Spray

- Target version set to v12.0.0

#4 - 07/05/2017 02:21 PM - John Spray

- Status changed from In Progress to Resolved

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commit e90e37690abaeaf2debc12bac187d18eaa79c9500
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Author: John Spray <john.spray@redhat.com>
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Date: Wed Mar 8 11:05:00 2017 +0000
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qa/tasks: add check_counter.py
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We need this for CephFS, to verify that workloads we expect to do a particular thing (like directory fragmentation or metadata exports) are really doing it.
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This is for giving us confidence in our coverage of these features rather than testing them per se.
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Fixes: http://tracker.ceph.com/issues/16523
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Signed-off-by: John Spray <john.spray@redhat.com>
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