

CephFS - Bug #46129

mds: fix hang issue when accessing a file under a lost parent directory

06/22/2020 02:45 AM - Zhi Zhang

Status:	Resolved	% Done:	0%
Priority:	Normal		
Assignee:	Zhi Zhang		
Category:	Correctness/Safety		
Target version:	v16.0.0		
Source:	Community (dev)	ceph-qa-suite:	
Tags:		Component(FS):	MDS
Backport:	octopus,nautilus	Labels (FS):	
Regression:	No	Pull request ID:	35690
Severity:	3 - minor	Crash signature (v1):	
Reviewed:		Crash signature (v2):	
Affected Versions:			
Description			
<p>Once a while we had encountered some serious problem that resulted in some metadata lost. After we brought the MDS up, if we looked up a file whose parent directory was not existed any more, this request would hang and other next requests which accessed this lost directory would hang too.</p> <p>For example, here is a path /dir1/file1. The object of "dir1" in metadata pool was lost after some serious problem.</p> <p>When doing "ls /dir1", MDS will return EIO as expected.</p> <p>But before doing "ls /dir", we try doing "ls /dir1/file1" directly, this request will hang forever.</p>			
Related issues:			
Copied to CephFS - Backport #46522: octopus: mds: fix hang issue when accessi...			Resolved
Copied to CephFS - Backport #46523: nautilus: mds: fix hang issue when access...			Resolved

History

#1 - 06/22/2020 02:47 AM - Zhi Zhang

- Pull request ID set to 35690

#2 - 06/22/2020 01:41 PM - Patrick Donnelly

- Status changed from New to Fix Under Review

- Assignee set to Zhi Zhang

- Target version set to v16.0.0

- Backport set to octopus,nautilus

#3 - 07/13/2020 06:14 PM - Patrick Donnelly

- Status changed from Fix Under Review to Pending Backport

#4 - 07/13/2020 08:07 PM - Nathan Cutler

- Copied to Backport #46522: octopus: mds: fix hang issue when accessing a file under a lost parent directory added

#5 - 07/13/2020 08:07 PM - Nathan Cutler

- Copied to Backport #46523: nautilus: mds: fix hang issue when accessing a file under a lost parent directory added

#6 - 10/06/2020 05:26 PM - Nathan Cutler

- Status changed from Pending Backport to Resolved

While running with --resolve-parent, the script "backport-create-issue" noticed that all backports of this issue are in status "Resolved" or "Rejected".