

CephFS - Feature #46166

mds: store symlink target as xattr in data pool inode for disaster recovery

06/24/2020 03:03 AM - Patrick Donnelly

Status:	Resolved	% Done:	0%
Priority:	Normal		
Assignee:	Kotresh Hiremath Ravishankar		
Category:	fsck/damage handling		
Target version:	v17.0.0		
Source:	Development	Affected Versions:	
Tags:		Component(FS):	MDS
Backport:		Labels (FS):	scrub
Reviewed:		Pull request ID:	43618
Description			
Currently, the MDS only stores the symlink inode's backtrace information in the data pool. During disaster recovery of the metadata pool, e.g. by: https://docs.ceph.com/docs/luminous/cephfs/disaster-recovery/#using-an-alternate-metadata-pool-for-recovery The symlinks are recreated as regular files. Store the symlink target in the inode for recovery. Also, fix cephfs-data-scan to restore symlinks using this information.			

History

#1 - 01/15/2021 10:40 PM - Patrick Donnelly

- Target version changed from v16.0.0 to v17.0.0

#2 - 09/30/2021 09:09 AM - Kotresh Hiremath Ravishankar

- Assignee changed from Jos Collin to Kotresh Hiremath Ravishankar

#3 - 10/01/2021 09:54 AM - Kotresh Hiremath Ravishankar

The link in the description is broken. Here is the working link

<https://docs.ceph.com/en/latest/cephfs/disaster-recovery-experts/#using-an-alternate-metadata-pool-for-recovery>

#4 - 10/18/2021 01:47 PM - Kotresh Hiremath Ravishankar

- Status changed from New to In Progress

#5 - 10/21/2021 11:59 AM - Kotresh Hiremath Ravishankar

- Pull request ID set to 43618

#6 - 11/11/2021 11:07 AM - Kotresh Hiremath Ravishankar

- Status changed from In Progress to Fix Under Review

#7 - 01/04/2022 09:09 AM - Venky Shankar

- Status changed from Fix Under Review to Resolved