CephFS - Bug #38994

mds: we encountered "No space left on device" when moving huge number of files into one directory

03/28/2019 03:35 AM - shen hang

Status:Resolved
Priority:Normal
Assignee:shen hang
Category:
Target version:v15.0.0
Source:Community (dev)
Tags:
Backport:nautilus,mimic,luminous
Regression:No
Severity:3 - minor
Reviewed:

Affected Versions:

Description

The issue was founded in version 12.2.10.
client log is listed below:

.....
mv: cannot move 'src1325' to '../destfile/src1325': No space left on device 1326
mv: cannot move 'src1326' to '../destfile/src1326': No space left on device 1327
.....

mds log is listed below:

2019-03-28 11:23:05.639956 7f9ff45bc700 10 mds.0.server fragment [dir 0x1000264083c /xxxx/xxxxx/xxx/ [2,head] auth pv=44452 v=43430 cv=0/0 ap=511+1024+1024 state=1610612738|complete f(v0 m2019-03-28 11:23:03.041638 489=489+0) n(v0 rc2019-03-28 11:23:03.041638 b978 489=489+0) hs=489+512,ss=0+0 dirty=489 | child=1 dirty=1 authpin=1 0x5650ac46ce00] size exceeds 100000 (ENOSPC)

Related issues:
Copied to CephFS - Backport #39198: luminous: mds: we encountered "No space l... Resolved
Copied to CephFS - Backport #39199: nautilus: mds: we encountered "No space l... Resolved
Copied to CephFS - Backport #39200: mimic: mds: we encountered "No space left... Resolved

History

#1 - 03/28/2019 03:52 AM - shen hang
the same reason as adding maybe_fragment on the tail of handle_client_openc.

#2 - 03/28/2019 04:32 PM - Patrick Donnelly
- Project changed from Ceph to CephFS
- Subject changed from mds/server we encountered "No space left on device" when moving huge number of files into one directory to mds: we encountered "No space left on device" when moving huge number of files into one directory
- Status changed from New to Fix Under Review
- Assignee set to shen hang
- Target version set to v15.0.0
- Start date deleted (03/28/2019)
- Source set to Community (dev)
- Tags deleted (cephfs mds )
- Backport set to nautilus,mimic,luminous

06/06/2021 1/2
- Component(FS) MDS added

#3 - 04/08/2019 11:12 PM - Patrick Donnelly
- Status changed from Fix Under Review to Pending Backport

#4 - 04/10/2019 09:04 PM - Nathan Cutler
- Copied to Backport #39198: luminous: mds: we encountered "No space left on device" when moving huge number of files into one directory added

#5 - 04/10/2019 09:04 PM - Nathan Cutler
- Copied to Backport #39199: nautilus: mds: we encountered "No space left on device" when moving huge number of files into one directory added

#6 - 04/10/2019 09:04 PM - Nathan Cutler
- Copied to Backport #39200: mimic: mds: we encountered "No space left on device" when moving huge number of files into one directory added

#7 - 06/26/2019 10:46 AM - Nathan Cutler
- Status changed from Pending Backport to Resolved