rgw - Bug #24915

rgw_file: "deep stat"/stats of unenumerated paths not handled

07/13/2018 09:35 PM - Matt Benjamin

Status:	Resolved		**Start date:**	07/13/2018
Priority:	Normal		**Due date:**	
Assignee:	Matt Benjamin		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour
Source:			**Reviewed:**	
Tags:			**Affected Versions:**	
Backport:	mimic, luminous		**ceph-qa-suite:**	
Regression:	No		**Pull request ID:**	
Severity:	3 - minor			

Description

From https://github.com/asmolik in https://github.com/nfs-ganesha/nfs-ganesha/issues/305:

Ceph: 12.2.4

Objects deep in directory tree are not visible without first performing 'ls' on all of its subpaths. As an example I have put one object into rgw bucket:

s3cmd -c .s3cfg2 put test.txt s3://ganesha/a/b/c/d/f/g/h/i/j/k/l/test
s3cmd -c .s3cfg2 ls s3://ganesha/ --recursive
2018-06-14 15:40   5   s3://ganesha/a/b/c/d/f/g/h/i/j/k/l/test

The problem is that after mounting it with nfs the file is not immediately visible - I have to traverse all of the directories one by one.

root@ganesha-test:/# mount -o vers=4.1 test-server:/ /mnt/tmp/ -v
mount.nfs: timeout set for Thu Jun 14 17:41:18 2018
mount.nfs: trying text-based options 'vers=4.1,addr=192.168.0.14,clientaddr=192.168.0.16'
root@ganesha-test:/# ls /mnt/tmp/
ganesha test
root@ganesha-test:/# ls /mnt/tmp/ganesha/
a
root@ganesha-test:/# cat /mnt/tmp/ganesha/a/bhttps://github.com/nfs-ganesha/nfs-ganesha/issues/305/c/d/f/g/h/i/j/k/l/test
cat: /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/k/l/test: No such file or directory
root@ganesha-test:/# ls /mnt/tmp/ganesha/
a
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/
b
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/
c
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/
d
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/
f
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/
g
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/g/
h
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/g/h/
i
root@ganesha-test:/# cat /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/k/l/test
cat: /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/k/l/test: No such file or directory
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/
j
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/
k

```
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/k/
l
root@ganesha-test:/# ls /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/k/l/
test
root@ganesha-test:/# cat /mnt/tmp/ganesha/a/b/c/d/f/g/h/i/j/k/l/test
test
root@ganesha-test:/#
```

Related issues:

Copied to rgw - Backport #26842: mimic: rgw_file: "deep stat"/stats of unenum...	**Resolved**
Copied to rgw - Backport #26844: luminous: rgw_file: "deep stat"/stats of une...	**Resolved**

History

#1 - 07/13/2018 09:44 PM - Matt Benjamin

https://github.com/ceph/ceph/pull/23038

#2 - 07/13/2018 09:45 PM - Matt Benjamin

- Status changed from In Progress to Need Review

#3 - 08/02/2018 06:01 PM - Abhishek Lekshmanan

- Status changed from Need Review to Pending Backport

#4 - 08/03/2018 04:02 PM - Patrick Donnelly

- Copied to Backport #26842: mimic: rgw_file: "deep stat"/stats of unenumerated paths not handled added

#6 - 08/03/2018 04:03 PM - Patrick Donnelly

- Copied to Backport #26844: luminous: rgw_file: "deep stat"/stats of unenumerated paths not handled added

#7 - 08/09/2018 03:49 AM - Prashant D

mimic PR : https://github.com/ceph/ceph/pull/23498
luminous PR : https://github.com/ceph/ceph/pull/23499

#8 - 11/03/2018 04:44 AM - Nathan Cutler

- Status changed from Pending Backport to Resolved

- Backport changed from mimic, luminous, jewel to mimic, luminous, jewel===

#9 - 11/03/2018 04:44 AM - Nathan Cutler

- Backport changed from mimic, luminous, jewel=== to mimic, luminous

Jewel is EOL