

## 14. CMC-Q7-HCM - Task #999

### Test HA NFS-Ganesha Active-Active cho cephfs

29-07-2024 08:57 - Tùng Nguyễn

<b>Trạng thái:</b>	Closed	<b>Bắt đầu:</b>	29-07-2024
<b>Mức ưu tiên:</b>	Normal	<b>Hết hạn:</b>	02-08-2024
<b>Phân công cho:</b>	Tùng Nguyễn	<b>Tiến độ:</b>	0%
<b>Chủ đề:</b>		<b>Thời gian ước lượng:</b>	0:00 giờ
<b>Phiên bản:</b>		<b>Thời gian:</b>	0:00 giờ

#### Mô tả

Mục tiêu: Test tính năng NFs multipath cho cephfs, test khả năng HA khi kết nối multipath xem client có read/write data bình thường khi 1 NFS GW bị lỗi.

Tài liệu tham khảo:

<https://jtlayton.wordpress.com/2018/12/10/deploying-an-active-active-nfs-cluster-over-cephfs/>

Mô hình:

[https://app.diagrams.net/#G1X\\_YO4-27NhNHR6iFqTAFhKc6HIDmiIN#%7B%22pageId%22%3A%22QqLjz\\_UdY43cYynGRTPI%22%7D](https://app.diagrams.net/#G1X_YO4-27NhNHR6iFqTAFhKc6HIDmiIN#%7B%22pageId%22%3A%22QqLjz_UdY43cYynGRTPI%22%7D)

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Cấu hình NFS-GW

OS: Ubuntu 22.04

package: nfs-ganesha nfs-ganesha-ceph nfs-ganesha-rados-grace version 3.5

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Kết quả:

Cấu hình tạo rados\_kv với 3 server nfs-ganesha, recovery pool sử dụng chung pool cephfs\_metadata\_12t

```
root@nfs-ganesha6:~# ganesha-rados-grace -p cephfs_metadata_ec12t -n ganesha
```

```
cur=18 rec=0
```

```
nfs-ganesha4
```

```
nfs-ganesha6
```

```
nfs-ganesha7
```

Test thử stop service nfs-ganesha trên nfs-ganesha7 thì các GW khác chuyển về trạng thái IN GRACE và gán flag Enforcing sẽ reject hết tất cả request của client làm treo client kết nối.

```
root@nfs-ganesha6:~# ganesha-rados-grace -p cephfs_metadata_ec12t -n ganesha
```

```
cur=16 rec=15
```

```
nfs-ganesha4      E
```

```
nfs-ganesha6      E
```

```
nfs-ganesha7      NE
```

Khi start lại service nfs-ganesha7 thì client kết nối lại bình thường.

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Thực hiện test lại với version 4.3-1 nhưng vẫn chưa được

```
31/07/2024 17:47:40 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:47:45 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:47:50 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:47:55 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:00 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:05 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:10 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:15 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:20 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:25 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:30 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:35 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:40 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
31/07/2024 17:48:45 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
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31/07/2024 17:48:45 : epoch 66aa1268 : nfs-ganesha6 : ganesha.nfsd-42089[reaper] nfs_try_lift_grace :STATE :EVENT :check grace:reclaim complete(0) clid count(0)
```

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