

31. GIẢI PHÁP-TESTING - Task #817

Task # 816 (Closed): Cấu hình chuyển NFS ISO/TEMPLATE trên cluster Proxmox XD

Cấu hình keepalived service nfs-ganesha CMC-Q7

03-06-2024 09:35 - Tùng Nguyễn

Trạng thái:	Closed	Bắt đầu:	03-06-2024
Mức ưu tiên:	Normal	Hết hạn:	07-06-2024
Phân công cho:	Thanh Tâm Nguyễn	Tiến độ:	100%
Chủ đề:		Thời gian ước lượng:	0:00 giờ
Phiên bản:		Thời gian:	0:00 giờ

Mô tả

Mục đích: cấu hình keepalived cho service nfs-ganesha trên các NFS GW CMC-Q7. đảm bảo tính HA cho service

Yêu cầu: Cấu hình trên các server có subnet 10.8.16.0/24

NFS GW1: 10.8.16.21

NFS GW2: 10.8.16.22

VIP: 10.8.16.250

Đảm bảo export folder đầy đủ giữa các server NFS

Link docs tham khảo:

https://www.evernote.com/shard/s688/sh/ebd8e9e7-6ff7-44da-bd2b-6e4198d6b3e8/j9lX2YezWfVikFFpsqIKhu_J9urqx53dTj1mVH6x5R-TdTXpsX2J9V-cPQ

<https://github.com/pecio/stretch-nfsv4-keepalived>

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Kết quả:

```
root@nfs-ganesha3:/etc/haproxy# ping 10.8.16.250
PING 10.8.16.250 (10.8.16.250) 56(84) bytes of data.
 64 bytes from 10.8.16.250: icmp_seq=1 ttl=64 time=0.896 ms
 64 bytes from 10.8.16.250: icmp_seq=2 ttl=64 time=0.450 ms
 64 bytes from 10.8.16.250: icmp_seq=3 ttl=64 time=0.396 ms
 64 bytes from 10.8.16.250: icmp_seq=4 ttl=64 time=0.486 ms
 64 bytes from 10.8.16.250: icmp_seq=5 ttl=64 time=0.514 ms
 64 bytes from 10.8.16.250: icmp_seq=6 ttl=64 time=0.479 ms
 64 bytes from 10.8.16.250: icmp_seq=7 ttl=64 time=0.491 ms
```

```
root@nfs-ganesha1:~# sudo systemctl status keepalived
● keepalived.service - Keepalive Daemon (LVS and VRRP)
   Loaded: loaded (/lib/systemd/system/keepalived.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2024-06-04 10:10:26 +07: 42min ago
   Main PID: 78228 (keepalived)
     Tasks: 2 (limit: 19050)
    Memory: 2.0M
         CPU: 2.923s
   CGroup: /system.slice/keepalived.service
           └─78228 /usr/sbin/keepalived --dont-fork
             └─78229 /usr/sbin/keepalived --dont-fork

Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: Script /etc/keepalived/notify_backup.sh cannot be accessed - No such file or directory
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: Startup complete
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: Script /etc/keepalived/notify_master.sh cannot be accessed - No such file or directory
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: Script /etc/keepalived/notify_fault.sh cannot be accessed - No such file or directory
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: SECURITY VIOLATION - scripts are being executed but script_security not enabled.
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: (VI_1) Entering BACKUP STATE (init)
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: Script 'chk_nfs' now returning 1
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: VRRP_Script(chk_nfs) failed (exited with status 1)
Jun 04 10:10:26 nfs-ganesha1 Keepalived_vrrp[78229]: (VI_1) Changing effective priority from 101 to 99
Jun 04 10:10:30 nfs-ganesha1 Keepalived_vrrp[78229]: (VI_1) Entering MASTER STATE
root@nfs-ganesha1:~#
```

```
root@nfs-ganesha3:/etc/haproxy# systemctl status keepalived.service
● keepalived.service - Keepalive Daemon (LVS and VRRP)
   Loaded: loaded (/lib/systemd/system/keepalived.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2024-06-04 04:06:43 UTC; 8s ago
   Main PID: 37348 (keepalived)
     Tasks: 2 (limit: 19047)
    Memory: 3.1M
         CPU: 26ms
   CGroup: /system.slice/keepalived.service
           └─37348 /usr/sbin/keepalived --dont-fork
             └─37349 /usr/sbin/keepalived --dont-fork

Jun 04 04:06:43 nfs-ganesha3 systemd[1]: Started Keepalive Daemon (LVS and VRRP).
Jun 04 04:06:43 nfs-ganesha3 Keepalived[37348]: Startup complete
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: Script /etc/keepalived/notify_backup.sh cannot be accessed - No such file or directory
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: Script /etc/keepalived/notify_master.sh cannot be accessed - No such file or directory
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: Script /etc/keepalived/notify_fault.sh cannot be accessed - No such file or directory
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: SECURITY VIOLATION - scripts are being executed but script_security not enabled.
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: (VI_1) Entering BACKUP STATE (init)
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: Script 'chk_nfs' now returning 1
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: VRRP_Script(chk_nfs) failed (exited with status 1)
Jun 04 04:06:43 nfs-ganesha3 Keepalived_vrrp[37349]: (VI_1) Changing effective priority from 101 to 99
root@nfs-ganesha3:/etc/haproxy#
```

```
root@nfs-ganeshal:~# showmount -e
Export list for nfs-ganeshal:
/iso 10.0.34.0/24,10.2.34.0/24,10.4.34.0/24
/template 10.0.34.0/24,10.2.34.0/24,10.4.34.0/24
/PROX-P1-XD-DC7 10.0.34.0/24,10.2.34.0/24,10.4.34.0/24
/BK-CORE 10.8.16.254/32
/BK-MAIL 10.8.16.21/32,10.0.34.235/32,10.8.10.248/32,10.8.14.248/32
root@nfs-ganeshal:~#
```

```
root@nfs-ganeshal3:/etc/haproxy# showmount -e
Export list for nfs-ganeshal3:
/BK-CORE 10.8.16.22/32,10.8.16.254/32,10.8.14.250/32,10.8.10.250/32,10.0.34.218/32,10.0.34.213/32,10.0.34.171/32,10.0.34.235/32
/BK-MAIL 10.8.16.22/32,10.8.16.254/32,10.8.14.250/32,10.8.10.250/32,10.0.34.218/32,10.0.34.213/32,10.0.34.171/32,10.0.34.235/32
```

Trên nfs-ganeshal export thêm /iso và /template

```
root@nfs-ganeshal3:/etc/ganeshal# showmount -e
Export list for nfs-ganeshal3:
/BK-CORE 10.8.16.22/32,10.8.16.254/32,10.8.14.250/32,10.8.10.250/32,10.0.34.218/32,10.0.34.213/32,10.0.34.171/32,10.0.34.235/32
/iso 10.0.34.0/24,10.2.34.0/24,10.4.34.0/24
/template 10.0.34.0/24,10.2.34.0/24,10.4.34.0/24
/PROX-P1-XD-DC7 10.0.34.0/24,10.2.34.0/24,10.4.34.0/24
/BK-MAIL 10.8.16.22/32,10.8.16.254/32,10.8.14.250/32,10.8.10.250/32,10.0.34.218/32,10.0.34.213/32,10.0.34.171/32,10.0.34.235/32
root@nfs-ganeshal3:/etc/ganeshal#
```

Link báo cáo chi tiết các bước đã thực hiện

<https://docs.google.com/document/d/1pXyHcbv1mDLDe0iuBXCdw8eApSWGZ2ZVDU9vaBArqSI/edit?usp=sharing>

Lược sử

#1 - 03-06-2024 09:38 - Tùng Nguyễn

- Mô tả cập nhật

#2 - 04-06-2024 11:14 - Thanh Tâm Nguyễn

- Tập tin clipboard-202406041111-hoytt.png được thêm
- Tập tin clipboard-202406041111-xqzos.png được thêm
- Tập tin clipboard-202406041111-lats6.png được thêm
- Tập tin clipboard-202406041112-woveq.png được thêm
- Tập tin clipboard-202406041112-ia8p6.png được thêm
- Mô tả cập nhật

#3 - 04-06-2024 11:14 - Thanh Tâm Nguyễn

- Mô tả cập nhật

#4 - 04-06-2024 16:23 - Thanh Tâm Nguyễn

- Tập tin clipboard-202406041622-os4yi.png được thêm
- Mô tả cập nhật

#5 - 07-06-2024 21:05 - Thanh Tâm Nguyễn

- Trạng thái thay đổi từ New tới Closed
- Tiến độ thay đổi từ 0 tới 100

Tập tin

clipboard-202406041111-hoytt.png	104 KB	04-06-2024	Thanh Tâm Nguyễn
clipboard-202406041111-xqzos.png	114 KB	04-06-2024	Thanh Tâm Nguyễn
clipboard-202406041111-lats6.png	115 KB	04-06-2024	Thanh Tâm Nguyễn
clipboard-202406041112-woveq.png	15,1 KB	04-06-2024	Thanh Tâm Nguyễn
clipboard-202406041112-ia8p6.png	19,5 KB	04-06-2024	Thanh Tâm Nguyễn
clipboard-202406041622-os4yi.png	27 KB	04-06-2024	Thanh Tâm Nguyễn