

LV Network - Task #1073

Task # 1029 (Closed): Phương án dự phòng cho kênh trống CMC_Q7 và FPT_Q7

Triển khai kênh iBGP dự phòng CMC_Q7 và FPT_Q7

15-08-2024 08:19 - pham vu

Trạng thái:	Closed	Bắt đầu:	15-08-2024
Mức ưu tiên:	Normal	Hết hạn:	17-08-2024
Phân công cho:	pham vu	Tiến độ:	100%
Chủ đề:		Thời gian ước lượng:	0:00 giờ
Phiên bản:		Thời gian:	0:00 giờ
Mô tả			
Mục tiêu: chạy thêm kênh BGP qua tunel vxlan backup cho kênh BGP chính			

Lược sử

#1 - 15-08-2024 08:25 - pham vu

```
Cấu hình dự kiến:
QFX
set policy-options policy-statement export-iBGP-BK term 1 from protocol static
set policy-options policy-statement export-iBGP-BK term 1 from route-filter 42.96.16.0/22 prefix-length-range /26-/27
set policy-options policy-statement export-iBGP-BK term 1 then next-hop self
set policy-options policy-statement export-iBGP-BK term 1 then local-preference subtract 50
set policy-options policy-statement export-iBGP-BK term 1 then accept
set policy-options policy-statement export-iBGP-BK term 2 from protocol direct
set policy-options policy-statement export-iBGP-BK term 2 from route-filter 42.96.20.0/22 prefix-length-range /26-/27
set policy-options policy-statement export-iBGP-BK term 2 then local-preference subtract 50
set policy-options policy-statement export-iBGP-BK term 2 then accept
set policy-options policy-statement export-iBGP-BK term 3 then reject

set policy-options policy-statement import-iBGP-BK term 1 from route-filter 42.96.20.0/22 prefix-length-range /26-/27
set policy-options policy-statement import-iBGP-BK term 1 then accept
set policy-options policy-statement import-iBGP-BK term 1 then local-preference subtract 50
set policy-options policy-statement import-iBGP-BK term 2 from as-path AS-CMC1-38733
set policy-options policy-statement import-iBGP-BK term 2 from as-path AS-CMC2-45903
set policy-options policy-statement import-iBGP-BK term 2 then local-preference subtract 50
set policy-options policy-statement import-iBGP-BK term 2 then accept
set policy-options policy-statement import-iBGP-BK term 3 then reject

set routing-instances BGP-FPT protocols bgp group iBGP-to-CMC3 type internal
set routing-instances BGP-FPT protocols bgp group iBGP-to-CMC3 local-address 172.31.254.3
set routing-instances BGP-FPT protocols bgp group iBGP-to-CMC3 export export-iBGP-BK
set routing-instances BGP-FPT protocols bgp group iBGP-to-CMC3 peer-as 131423
set routing-instances BGP-FPT protocols bgp group iBGP-to-CMC3 neighbor 172.31.254.2 import import-iBGP-BK

=====
Arista
router bgp 131423
neighbor 172.31.254.3 remote-as 131423
neighbor 172.31.254.3 password 7 qir0K+85yZ085KoKsxJrnw==
neighbor 172.31.254.3 maximum-routes 12000

address-family ipv4
neighbor 172.31.254.3 activate
```

#2 - 15-08-2024 20:32 - pham vu

- Tập tin clipboard-202408152032-vw3zq.png được thêm

Kết quả: đã quảng bá route qua tunnel , với local-preferen là 50, thấp hơn so với kênh trống là 100

```
* > 14.160.96.0/20 172.28.37.22 - 100 - 38733 45903 23962 45
ARISTA-02-G10#show ip bgp neighbors 172.31.254.3 received-routes
BGP routing table information for VRF default
Router identifier 10.10.4.4, local AS number 131423
Route status codes: s - suppressed, * - valid, > - active, # - not installed, E - ECMP head, e - ECMP tail
S - Stale, c - Contributing to ECMP, b - backup, L - labeled-unicast
Origin codes: i - IGP, e - EGP, ? - incomplete
AS Path Attributes: Or-ID - Originator ID, C-LST - Cluster List, LL Nexthop - Link Local Nexthop

Network          Next Hop          Metric  LocPref Weight Path
* 42.96.16.64/26   172.31.254.3      -       50    -    i
* 42.96.16.128/26  172.31.254.3      -       50    -    i
* 42.96.16.192/26  172.31.254.3      -       50    -    i
* 42.96.17.0/26    172.31.254.3      -       50    -    i
* 42.96.17.64/26   172.31.254.3      -       50    -    i
* 42.96.17.128/26  172.31.254.3      -       50    -    i
* 42.96.17.192/26  172.31.254.3      -       50    -    i
* 42.96.18.0/26    172.31.254.3      -       50    -    i
* 42.96.18.64/26   172.31.254.3      -       50    -    i
* 42.96.18.128/26  172.31.254.3      -       50    -    i
* 42.96.18.192/26  172.31.254.3      -       50    -    i
* 42.96.19.0/26    172.31.254.3      -       50    -    i
* 42.96.19.64/26   172.31.254.3      -       50    -    i
* 42.96.19.128/26  172.31.254.3      -       50    -    i
* 42.96.19.192/26  172.31.254.3      -       50    -    i
ARISTA-02-G10#
```

Kenh Phu

#3 - 19-08-2024 09:16 - pham vu

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

#4 - 19-08-2024 09:18 - pham vu

- Chủ đề thay đổi từ Triển khai kênh BGP dự phòng CMC_Q7 và FPT_Q7 tới Triển khai kênh iBGP dự phòng CMC_Q7 và FPT_Q7

Tập tin

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