（知） MSRG2和思科对接mgre over ipsec

IPSec VPN   **徐宁**   2021-07-30 发表

组网及说明

设备MSR810与思科设备对接MGRE，我们做为NHC,思科作为NHS。目前MSRG2只支持作为NHC，
不支持作为NHS。

! cisco crypto isakmp policy 1 authentication pre-share crypto isakmp key test address 0.0.0.0 ! crypto ipsec transform-set 1 esp-3des esp-sha-hmac mode tunnel ! crypto ipsec profile 1 set transform-set 1 ! interface Loopback1 ip address 1.1.1.1 255.255.255.255 ip ospf 1 area 0 ! interface Tunnel1 ip address 112.0.0.1 255.255.255.0 no ip redirects ip nhrp authentication 123456 ip nhrp network-id 9 ip nhrp holdtime 3600 ip ospf network broadcast ip ospf 1 area 0 tunnel source 172.32.65.131 tunnel mode gre multipoint tunnel protection ipsec profile 1 ! interface GigabitEthernet1 ip address 172.32.65.131 255.255.0.0 negotiation auto no mop enabled no mop sysid ! router ospf 1 router-id 1.1.1.1 ! ip route 0.0.0.0 0.0.0.0 172.32.1.255 ip route 168.32.0.0 255.255.0.0 172.32.1.2 55	# msr810 ip vpn-instance 1 # ospf 1 router-id 2.2.2.2 area 0.0.0.0 # interface LoopBack1 ip address 2.2.2.2 255.255.255.255 ospf 1 area 0.0.0.0 # interface GigabitEthernet0/4 port link-mode route ip binding vpn-instance 1 ip address 168.32.65.7 255.255.0.0 # interface Tunnel1 mode mgre ip address 112.0.0.2 255.255.255.0 ospf network-type broadcast ospf 1 area 0.0.0.0 source GigabitEthernet0/4 tunnel vpn-instance 1 nhrp network-id 9 nhrp authentication simple 123456 nhrp holdtime 3600 nhrp nhs 112.0.0.1 nbma 172.32.65.131 tunnel protection ipsec profile 1 # ip route-static 0.0.0.0 0 192.168.6.1 ip route-static vpn-instance 1 172.32.0.0 16 168.32.1.255 # ipsec transform-set 1 esp encryption-algorithm 3des-cbc esp authentication-algorithm sha1 # ipsec profile 1 isakmp transform-set 1 # ike keychain 1 vpn-instance 1 pre-shared-key address 0.0.0.0 0.0.0.0 key simple test #

```
<msr810a>disp mgre session
Interface     : Tunnel1
Number of sessions: 1
Peer NBMA address  Peer protocol address  Type    State      State duration
172.32.65.131     112.0.0.1          C-S    Succeeded   00:04:25
<msr810a>disp mgre session v
Interface     : Tunnel1
Link protocol    : IPsec-GRE
Number of sessions: 1
  Peer NBMA address   : 172.32.65.131
  Peer protocol address: 112.0.0.1
  Session type       : C-S
  SA's SPI       :
   inbound:  3145967776 (0xbb83a8a0) [ESP]
   outbound: 3165846560 (0xbcb2fc20) [ESP]
  State       : Succeeded
  State duration    : 00:04:27
  Input : 252 packets, 252 data packets, 0 control packets,
       4 multicasts, 0 errors
  Output: 247 packets, 247 data packets, 0 control packets,
       33 multicasts, 0 errors
<msr810a>
<msr810a>disp ike sa
  Connection-ID   Local          Remote         Flag    DOI
------------------------------------------------------------------------
   65        168.32.65.7    172.32.65.131    RD      IPsec
```

Flags:

RD--READY RL--REPLACED FD-FADING RK-REKEY

<msr810a>

配置关键点disp ipsec tunnel

Tunnel ID: 1

Status: Active

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RD--READY RL--REPLACED FD-FADING RK-REKEY

<msr810a>

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Tunnel ID: 1

Status: Active