

DMVPN PHASE 2 WITH IKEv2

HUB ROUTER

```
interface Tunnel24
 ip address 10.0.0.254 255.255.255.248
 ip nhrp authentication pm1111!
 ip nhrp map multicast dynamic
 ip nhrp network-id 24
 tunnel source 24.6.0.254
 tunnel mode gre multipoint
 tunnel protection ipsec profile DMVPN_PRO_02
!
crypto ikev2 proposal DMVPN_PRO_01
 encryption aes-cbc-256
 integrity sha512
 group 14
!
crypto ikev2 policy DMVPN_POL_01
 proposal DMVPN_PRO_01
!
crypto ikev2 keyring DMVPN_KEYRING_01
 peer C1_SPOKE
 address 11.24.218.254
 pre-shared-key local pm1111!
```

```
pre-shared-key remote pm1111!  
!  
peer C2_SPOKE  
address 203.215.24.34  
pre-shared-key local pm1111!  
pre-shared-key remote pm1111!  
!  
!  
crypto ikev2 profile DMVPN_PRO_01  
match identity remote address 11.24.218.254  
match identity remote address 203.215.24.34  
authentication remote pre-share  
authentication local pre-share  
keyring local DMVPN_KEYRING_01  
!  
crypto ipsec transform-set DMVPN_SET_01 esp-aes esp-sha-hmac  
mode transport  
!  
crypto ipsec profile DMVPN_PRO_02  
set transform-set DMVPN_SET_01  
set ikev2-profile DMVPN_PRO_01  
!
```

SPOKE_01 ROUTER

interface Tunnel24

ip address 10.0.0.253 255.255.255.248

ip nhrp authentication pm1111!

ip nhrp map multicast dynamic

ip nhrp map 10.0.0.254 24.6.0.254

ip nhrp map multicast 24.6.0.254

ip nhrp network-id 24

ip nhrp nhs 10.0.0.254

tunnel source 11.24.218.254

tunnel mode gre multipoint

tunnel protection ipsec profile DMVPN_PRO_02

!

crypto ikev2 proposal DMVPN_PRO_01

encryption aes-cbc-256

integrity sha512

group 14

!

crypto ikev2 policy DMVPN_POL_01

proposal DMVPN_PRO_01

!

crypto ikev2 keyring DMVPN_KEYRING_01

peer HUB_01

address 24.6.0.254

pre-shared-key local pm1111!

pre-shared-key remote pm1111!

!

!

crypto ikev2 profile DMVPN_PRO_01

match identity remote address 24.6.0.254

authentication remote pre-share

authentication local pre-share

keyring local DMVPN_KEYRING_01

!

crypto ipsec transform-set DMVPN_SET_01 esp-aes esp-sha-hmac

mode transport

!

crypto ipsec profile DMVPN_PRO_02

set transform-set DMVPN_SET_01

set ikev2-profile DMVPN_PRO_01

!

SPOKE_02 ROUTER

interface Tunnel24

ip address 10.0.0.252 255.255.255.248

ip nhrp authentication pm1111!

ip nhrp map multicast dynamic

```
ip nhrp map 10.0.0.254 24.6.0.254
ip nhrp map multicast 24.6.0.254
ip nhrp network-id 24
ip nhrp nhs 10.0.0.254
tunnel source 203.215.24.34
tunnel mode gre multipoint
tunnel protection ipsec profile DMVPN_PRO_02
!
crypto ikev2 proposal DMVPN_PRO_01
  encryption aes-cbc-256
  integrity sha512
  group 14
!
crypto ikev2 policy DMVPN_POL_01
  proposal DMVPN_PRO_01
!
crypto ikev2 keyring DMVPN_KEYRING_01
  peer HUB_01
    address 24.6.0.254
    pre-shared-key local pm1111!
    pre-shared-key remote pm1111!
!
!
```

crypto ikev2 profile DMVPN_PRO_01

match identity remote address 24.6.0.254

authentication remote pre-share

authentication local pre-share

keyring local DMVPN_KEYRING_01

!

crypto ipsec transform-set DMVPN_SET_01 esp-aes esp-sha-hmac

mode transport

!

crypto ipsec profile DMVPN_PRO_02

set transform-set DMVPN_SET_01

set ikev2-profile DMVPN_PRO_01

!

