

## 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
```

```
!
```

