

```
REMOTE_CPE#  
REMOTE_CPE#term len 0  
REMOTE_CPE#  
REMOTE_CPE#show run  
Building configuration...  
  
Current configuration : 2636 bytes  
!  
version 15.4  
service timestamps debug datetime msec  
service timestamps log datetime msec  
no service password-encryption  
!  
hostname REMOTE_CPE  
!  
boot-start-marker  
boot-end-marker  
!  
aqm-register-fnf  
!  
!  
no aaa new-model  
clock timezone CST 8 0  
mmi polling-interval 60  
no mmi auto-configure  
no mmi pvc  
mmi snmp-timeout 180  
!  
!  
!  
!  
!  
!  
!  
!  
!  
no ip domain lookup  
ip cef  
no ipv6 cef  
!  
multilink bundle-name authenticated  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
redundancy  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
!  
interface Loopback0  
ip address 6.6.6.6 255.255.255.255  
!  
interface Ethernet0/0
```

```
description connected to remote_lan_swith
ip address 10.9.1.11 255.255.255.224
!
interface Ethernet0/1
description connected to remote_pe
ip address 100.65.1.2 255.255.255.252
!
interface Ethernet0/2
no ip address
shutdown
!
interface Ethernet0/3
no ip address
shutdown
!
interface Ethernet1/0
no ip address
shutdown
!
interface Ethernet1/1
no ip address
shutdown
!
interface Ethernet1/2
no ip address
shutdown
!
interface Ethernet1/3
no ip address
shutdown
!
interface Serial2/0
no ip address
shutdown
serial restart-delay 0
!
interface Serial2/1
no ip address
shutdown
serial restart-delay 0
!
interface Serial2/2
no ip address
shutdown
serial restart-delay 0
!
interface Serial2/3
no ip address
shutdown
serial restart-delay 0
!
interface Serial3/0
no ip address
shutdown
serial restart-delay 0
!
interface Serial3/1
no ip address
shutdown
serial restart-delay 0
!
interface Serial3/2
no ip address
shutdown
serial restart-delay 0
!
interface Serial3/3
no ip address
shutdown
serial restart-delay 0
!
!
router eigrp 100
```

```

network 10.9.1.0 0.0.0.31
network 192.0.0.0 0.255.255.255
redistribute bgp 65000 metric 100000 100 255 1 1500 route-map BGP_TO_EIGRP
eigrp router-id 6.6.6.6
!
router bgp 65000
  bgp router-id 6.6.6.6
  bgp log-neighbor-changes
  timers bgp 10 30
  neighbor 100.65.1.1 remote-as 3549
  !
  address-family ipv4
    network 6.6.6.6 mask 255.255.255.255
    redistribute eigrp 100 route-map EIGRP_TO_BGP
    neighbor 100.65.1.1 activate
    neighbor 100.65.1.1 send-community both
    neighbor 100.65.1.1 soft-reconfiguration inbound
  exit-address-family
!
ip forward-protocol nd
!
ip bgp-community new-format
!
no ip http server
no ip http secure-server
!
!
route-map BGP_TO_EIGRP permit 5
  set tag 10
!
route-map EIGRP_TO_BGP deny 5
  match tag 10
!
route-map EIGRP_TO_BGP permit 10
  match tag 100
  set community 65000:100
!
route-map EIGRP_TO_BGP permit 20
  match tag 200
  set community 65000:200
!
!
!
control-plane
!
!
!
!
!
!
!
!
!
line con 0
  logging synchronous
line aux 0
line vty 0 4
  login
  transport input none
!
!
end

```

REMOTE_CPE#

REMOTE_CPE#show ip int brie

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0/0	10.9.1.11	YES	NVRAM	up	up
Ethernet0/1	100.65.1.2	YES	NVRAM	up	up
Ethernet0/2	unassigned	YES	NVRAM	administratively down	down
Ethernet0/3	unassigned	YES	NVRAM	administratively down	down
Ethernet1/0	unassigned	YES	NVRAM	administratively down	down
Ethernet1/1	unassigned	YES	NVRAM	administratively down	down
Ethernet1/2	unassigned	YES	NVRAM	administratively down	down
Ethernet1/3	unassigned	YES	NVRAM	administratively down	down

```

Serial2/0          unassigned      YES NVRAM  administratively down down
Serial2/1          unassigned      YES NVRAM  administratively down down
Serial2/2          unassigned      YES NVRAM  administratively down down
Serial2/3          unassigned      YES NVRAM  administratively down down
Serial3/0          unassigned      YES NVRAM  administratively down down
Serial3/1          unassigned      YES NVRAM  administratively down down
Serial3/2          unassigned      YES NVRAM  administratively down down
Serial3/3          unassigned      YES NVRAM  administratively down down
Loopback0         6.6.6.6        YES NVRAM  up                up

```

REMOTE_CPE#

REMOTE_CPE#show ip route

```

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route
       o - ODR, P - periodic downloaded static route, H - NHRP, l - LISP
       a - application route
       + - replicated route, % - next hop override

```

Gateway of last resort is not set

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      1.0.0.0/32 is subnetted, 1 subnets
B       1.1.1.1 [20/0] via 100.65.1.1, 1d19h
      2.0.0.0/32 is subnetted, 1 subnets
B       2.2.2.2 [20/0] via 100.65.1.1, 1d19h
      6.0.0.0/32 is subnetted, 1 subnets
C       6.6.6.6 is directly connected, Loopback0
      9.0.0.0/32 is subnetted, 1 subnets
B       9.9.9.9 [20/0] via 100.65.1.1, 1d19h
     10.0.0.0/8 is variably subnetted, 3 subnets, 3 masks
D EX    10.0.40.0/30 [170/307200] via 10.9.1.1, 1d19h, Ethernet0/0
C       10.9.1.0/27 is directly connected, Ethernet0/0
L       10.9.1.11/32 is directly connected, Ethernet0/0
     50.0.0.0/32 is subnetted, 1 subnets
D EX    50.50.50.50 [170/409600] via 10.9.1.1, 1d21h, Ethernet0/0
     100.0.0.0/8 is variably subnetted, 3 subnets, 2 masks
C       100.65.1.0/30 is directly connected, Ethernet0/1
L       100.65.1.2/32 is directly connected, Ethernet0/1
B       100.100.100.100/32 [20/0] via 100.65.1.1, 1d22h

```

REMOTE_CPE#

REMOTE_CPE#show ip eigrp topology

EIGRP-IPv4 Topology Table for AS(100)/ID(6.6.6.6)

```

Codes: P - Passive, A - Active, U - Update, Q - Query, R - Reply,
       r - reply Status, s - sia Status

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```

P 10.9.1.0/27, 1 successors, FD is 281600
   via Connected, Ethernet0/0
P 50.50.50.50/32, 1 successors, FD is 409600, tag is 200
   via 10.9.1.1 (409600/128256), Ethernet0/0
P 100.100.100.100/32, 1 successors, FD is 51200, tag is 10
   via Redistributed (51200/0)
P 10.0.40.0/30, 1 successors, FD is 307200, tag is 200
   via 10.9.1.1 (307200/281600), Ethernet0/0
P 2.2.2.2/32, 1 successors, FD is 51200, tag is 10
   via Redistributed (51200/0)
P 6.6.6.6/32, 1 successors, FD is 51200, tag is 10
   via Redistributed (51200/0)
P 1.1.1.1/32, 1 successors, FD is 51200, tag is 10
   via Redistributed (51200/0)
P 9.9.9.9/32, 1 successors, FD is 51200, tag is 10
   via Redistributed (51200/0)

```

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