


```
!  
interface Loopback0  
  ip address 3.3.3.3 255.255.255.255  
  ip ospf 100 area 0  
!  
interface Ethernet0/0  
  description connected to core_p  
  ip address 10.0.0.3 255.255.255.0  
  mpls ip  
!  
interface Ethernet0/1  
  description connected to cpe  
  ip vrf forwarding JM_CORP  
  ip address 100.65.0.1 255.255.255.252  
!  
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 ospf 100  
  network 3.3.3.3 0.0.0.0 area 0  
  network 10.0.0.0 0.255.255.255 area 0  
!  
router bgp 3549  
  bgp router-id 3.3.3.3  
  bgp log-neighbor-changes  
  timers bgp 10 30  
  neighbor 4.4.4.4 remote-as 3549  
  neighbor 4.4.4.4 update-source Loopback0  
!  
  address-family ipv4  
    network 3.3.3.3 mask 255.255.255.255  
    redistribute connected  
    neighbor 4.4.4.4 activate  
    neighbor 4.4.4.4 send-community both  
    neighbor 4.4.4.4 next-hop-self  
  exit-address-family  
!  
  address-family vpv4  
    neighbor 4.4.4.4 activate  
    neighbor 4.4.4.4 send-community both  
    neighbor 4.4.4.4 next-hop-self  
  exit-address-family  
!  
  address-family ipv4 vrf JM_CORP  
    neighbor 100.65.0.2 remote-as 65000  
    neighbor 100.65.0.2 activate  
    neighbor 100.65.0.2 send-community both  
    neighbor 100.65.0.2 as-override  
    neighbor 100.65.0.2 soft-reconfiguration inbound  
    neighbor 100.65.0.2 route-map BGP_POLICY_IN in  
  exit-address-family  
!  
ip forward-protocol nd  
!  
ip bgp-community new-format  
ip community-list standard REGIONAL_LP_100 permit 65000:100  
ip community-list standard REGIONAL_LP_200 permit 65000:200  
ip community-list standard REGIONAL_LP_300 permit 65000:300  
!  
no ip http server  
no ip http secure-server  
!  
!  
route-map BGP_POLICY_IN permit 10  
  match community REGIONAL_LP_100  
  set local-preference 333  
!  
route-map BGP_POLICY_IN permit 20  
  match community REGIONAL_LP_200  
  set local-preference 200  
!  
route-map BGP_POLICY_IN permit 30  
  match community REGIONAL_LP_300  
  set local-preference 300  
!  
route-map BGP_POLICY_IN permit 40  
!  
!  
!  
control-plane  
!  
!  
!  
!  
!
```

```

!
!
!
line con 0
  logging synchronous
line aux 0
line vty 0 4
  login
  transport input none
!
!
end

```

```
PE#
```

```
PE#show ip int brie
```

Interface	IP-Address	OK?	Method	Status	Protocol
Ethernet0/0	10.0.0.3	YES	NVRAM	up	up
Ethernet0/1	100.65.0.1	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	3.3.3.3	YES	NVRAM	up	up

```
PE#
```

```
PE#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
```

```

      3.0.0.0/32 is subnetted, 1 subnets
C       3.3.3.3 is directly connected, Loopback0
      4.0.0.0/32 is subnetted, 1 subnets
O       4.4.4.4 [110/21] via 10.0.0.4, 1d22h, Ethernet0/0
      5.0.0.0/32 is subnetted, 1 subnets
O       5.5.5.5 [110/21] via 10.0.0.4, 1d22h, Ethernet0/0
      10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C       10.0.0.0/24 is directly connected, Ethernet0/0
L       10.0.0.3/32 is directly connected, Ethernet0/0
O       10.1.0.0/24 [110/20] via 10.0.0.4, 1d22h, Ethernet0/0
O       10.2.0.0/24 [110/20] via 10.0.0.4, 1d22h, Ethernet0/0

```

```
PE#
```

```
PE#show ip eigrp topology
```

```
PE#
```