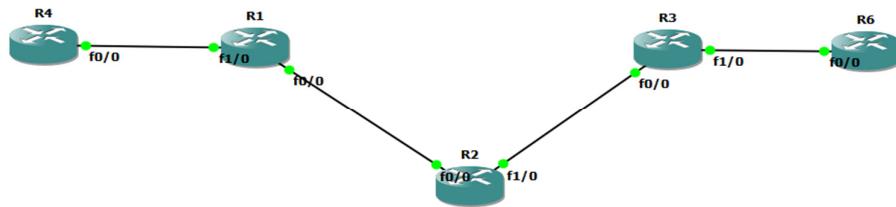


Topology:

Note: In this we are using the same topology as Practical No. 7 with addition of R4 and R5.

Configuration of R1, R2, R3 remains the same as previous Practical No. 7

Step 1: Add two more routers into the topology R4 R5 to create VRFs.

Router 4 will peer OSPF using process number 2 to a VRF configured on R1. It will use the local site addressing of

192.168.1.0/24.

R4

```

int lo0
ip add 4.4.4.4 255.255.255.255
ip ospf 2 area 2
int f0/0
ip add 192.168.1.4 255.255.255.0
ip ospf 2 area 2
no shut
  
```

```

*May 17 08:29:36.079: %LINK-5-CHANGED: Interface FastEthernet5/0, changed state
to administratively down
R4#config t
Enter configuration commands, one per line. End with CNTL/Z.
R4(config)#int lo0
R4(config-if)#ip add 4.4.4.4 255.255.255.255
R4(config-if)#ip ospf 2 area 2
R4(config-if)#int f0/0
R4(config-if)#ip add 192.168.1.4 255.255.255.0
R4(config-if)#ip ospf 2 area 2
R4(config-if)#no shut
*May 17 09:29:02.851: %LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
R4(config-if)#no shut
  
```

R1

```

int f1/0
no shut
ip add 192.168.1.1 255.255.255.0
  
```

```

R1(config)#int f1/0
R1(config-if)#no shut
R1(config-if)#ip add 192.168.1.1 255.255.255.0
R1(config-if)#
*May 17 09:30:02.255: %LINK-3-UPDOWN: Interface FastEthernet1/0, changed state to up
*May 17 09:30:03.255: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
R1(config-if)#exit
  
```

Step 2: If we consider R1 as a PE Provider Edge router of an ISP and it had two customers that were both addressed

locally with the 192.168.1.0/24 address space it could accommodate both their routing tables in different VRFs – it distinguishes between the two of them using a Route Distinguisher.

R1

ip vrf RED

rd 4:4

route-target both 4:4

Here ip vrf RED is not a command ip vrf command is followed by any NAME

```
R1(config)#ip vrf RED
R1(config-vrf)#rd 4:4
R1(config-vrf)#route-target both 4:4
R1(config-vrf)#exit
```

As the VRF on R1 has been configured o move the interface F1/0 into that VRF

```
R1(config)#int f1/0
R1(config-if)#ip vrf forwarding RED
% Interface FastEthernet1/0 IPv4 disabled and address(es) removed due to enabling VRF RED
R1(config-if)#exit
```

Step 3: Need to re-apply IP address.

```
R1(config)#int f1/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#exit
R1(config)#exit
```

Step 4: Need to run sh.

```
May 17 09:52:50.987: %SYS-5-CONFIG_I: Configuration
R1#sh run int f1/0
Building configuration...
Current configuration : 119 bytes
!
interface FastEthernet1/0
 ip vrf forwarding RED
 ip address 192.168.1.1 255.255.255.0
 speed auto
 duplex auto
end
```

Step 5: If you issue the command sh ip route this shows the routes in the global table and you will notice that you do not see 192.168.1.0/24

R1# sh ip route

```
R1#sh 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
      + - replicated route, % - next hop override

Gateway of last resort is not set

      1.0.0.0/32 is subnetted, 1 subnets
      C    1.1.1.1 is directly connected, Loopback0
      2.0.0.0/32 is subnetted, 1 subnets
      O    2.2.2.2 [110/2] via 10.0.0.2, 00:15:47, FastEthernet0/0
      3.0.0.0/32 is subnetted, 1 subnets
      O    3.3.3.3 [110/3] via 10.0.0.2, 00:13:05, FastEthernet0/0
      10.0.0.0/8 is variably subnetted, 3 subnets, 2 masks
      C    10.0.0.0/24 is directly connected, FastEthernet0/0
      L    10.0.1.32 is directly connected, FastEthernet0/0
      O    10.0.1.0/24 [110/2] via 10.0.0.2, 00:13:53, FastEthernet0/0
R1#sh ip route vrf RED

Routing Table: RED
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
      + - replicated route, % - next hop override

Gateway of last resort is not set

      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
      C        192.168.1.0/24 is directly connected, FastEthernet1/0
```

Step 6: If you now issue the command `sh ip route vrf red` – this will show the routes in the routing table for VRF RED

R1#`sh ip route vrf RED`

```
Routing Table: RED
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
      + - replicated route, % - next hop override

Gateway of last resort is not set

        4.0.0.0/32 is subnetted, 1 subnets
O         4.4.4.4 [110/2] via 192.168.1.4, 00:06:49, FastEthernet1/0
C           192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C             192.168.1.0/24 is directly connected, FastEthernet1/0
L             192.168.1.1/32 is directly connected, FastEthernet1/0
```

Step 7: need to enable OSPF on this interface and get the loopback address for R4 in the VRF RED routing table.

#R1

int f1/0

ip ospf 2 area 2

```
R1(config)#int f1/0
R1(config-if)#ip ospf 2 area 2
R1(config-if)#
*May 17 09:34:41.271: %OSPF-5-ADJCHG: Process 2, Nbr 4.4.4.4 on FastEthernet1/0 from LOADING to FULL, Loading Done
R1(config-if)#exit
```

Step 8: Now check the routes in the VRF RED routing table you should see 4.4.4.4 in there as well.

R1#`sh ip route vrf RED`

```
R1#sh ip route vrf RED
Routing Table: RED
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
      + - replicated route, % - next hop override

Gateway of last resort is not set

        4.0.0.0/32 is subnetted, 1 subnets
O         4.4.4.4 [110/2] via 192.168.1.4, 00:00:25, FastEthernet1/0
C           192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C             192.168.1.0/24 is directly connected, FastEthernet1/0
L             192.168.1.1/32 is directly connected, FastEthernet1/0
R1#
*May 17 09:35:12.799: %SYS-5-CONFIG_I: Configured from console by c
R1#onsole
R1#sh 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
      + - replicated route, % - next hop override

Gateway of last resort is not set

        1.0.0.0/32 is subnetted, 1 subnets
C           1.1.1.1 is directly connected, Loopback0
        2.0.0.0/32 is subnetted, 1 subnets
O             2.2.2.2 [110/2] via 10.0.0.2, 00:23:28, FastEthernet0/0
        3.0.0.0/32 is subnetted, 1 subnets
```

Step 9: Need to repeat this process for R3 & R6 Router 6 will peer OSPF using process number 2 to a VRF configured on R3. It will use the local site addressing of 192.168.2.0/24.

R6

int lo0

ip add 6.6.6.6 255.255.255.255

ip ospf 2 area 2

int f0/0

```
ip add 192.168.2.6 255.255.255.0
```

```
ip ospf 2 area 2
```

```
no shut
```

```
DOWN
R6#config t
Enter configuration commands, one per line. End with CNTL/Z.
R6(config)#int lo0
R6(config-if)#ip add 6.6.6.6 255.255.255.255
R6(config-if)#ip ospf 2 area 2
R6(config-if)#int f0/0
R6(config-if)#ip add 192.168.2.6 255.255.255.0
R6(config-if)#ip ospf 2 area 2
R6(config-if)#no shut
*May 17 09:35:58.215: %LINEPROTO-5-UPDOWN: Line protocol on Interface Loopback0, changed state to up
R6(config-if)#no shut
```

R3

```
int f1/0
```

```
no shut
```

```
ip add 192.168.2.3 255.255.255.0
```

```
R3(config)#int f1/0
R3(config-if)#ip address 192.168.2.1 255.255.255.0
R3(config-if)#exit
```

Step 10: We also need to configure a VRF onto R3 as well.

R3

```
ip vrf RED
```

```
rd 4:4
```

```
route-target both 4:4
```

```
R3(config)#ip vrf RED
R3(config-vrf)#rd 4:4
```

```
R3(config-vrf)#rd 4:4
R3(config-vrf)#route-target both 4:4
R3(config-vrf)#exit
```

Step 11: So now we have configured the VRF on R3 we need to move the interface F0/1 into that VRF

R3

```
int f1/0
```

```
ip vrf forwarding RED
```

```
R3(config-vrf)#exit
R3(config)#int f1/0
R3(config-if)#ip vrf forwarding RED
% Interface FastEthernet1/0 IPv4 disabled and address(es) removed due to enabling VRF RED
```

Now notice what happens when you do that – the IP address is removed due to enabling VRF RED.

Step 12: You just need to re-apply it.

R3

```
Int f1/0
```

```
Ip address 192.168.2.1 255.255.255.0
```

```
R3(config)#int f1/0
R3(config-if)#ip address 192.168.2.1 255.255.255.0
R3(config-if)#exit
```

Step 13: Now if we view the config on R3 int f1/0 you can see the VRF configured.

R3

R3#sh run int f1/0

```
R3#sh run int f1/0
Building configuration...

Current configuration : 119 bytes
!
interface FastEthernet1/0
 ip vrf forwarding RED
 ip address 192.168.2.1 255.255.255.0
 speed auto
 duplex auto
end
```

Step 14: Finally we just need to enable OSPF on that interface and verify the routes are in the RED routing table.

R3

int f1/0

ip ospf 2 area 2

```
R3(config)#int f1/0
R3(config-if)#ip ospf 2 area 2
R3(config-if)#
*May 17 09:40:00.207: %OSPF-5-ADJCHG: Process 2, Nbr 6.6.6.6 on FastEthernet1/0 from LOADING to FULL, Loading Done
R3(config-if)##
```

Step 15: Check the routes in vrf RED

R3

R3#sh ip route vrf RED

```
May 17 09:40:00.807: %SYS-3-CONFIG_I: Configured from console by console
R3#sh ip route vrf RED

Routing Table: RED
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
      + - replicated route, % - next hop override

Gateway of last resort is not set

       6.0.0.0/32 is subnetted, 1 subnets
O        6.6.6.6 [110/2] via 192.168.2.6, 00:00:17, FastEthernet1/0
                  + - replicated route, % - next hop override

Gateway of last resort is not set

       6.0.0.0/32 is subnetted, 1 subnets
O        6.6.6.6 [110/2] via 192.168.2.6, 00:00:17, FastEthernet1/0
C        192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
L        192.168.2.0/24 is directly connected, FastEthernet1/0
L        192.168.2.1/32 is directly connected, FastEthernet1/0
```

Step 16: The final step to get full connectivity across the MPLS core is to redistribute the routes in OSPF on R1 and R3 into MP-BGP and MP-BGP into OSPF. Check the routes on R4.

R4# sh ip route

```
May 17 09:40:00.807: %SYS-3-CONFIG_I: Configured from console by console
R4#sh 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
      + - replicated route, % - next hop override

Gateway of last resort is not set

       4.0.0.0/32 is subnetted, 1 subnets
C        4.4.4.4 is directly connected, Loopback0
       192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C        192.168.1.0/24 is directly connected, FastEthernet0/0
L        192.168.1.4/32 is directly connected, FastEthernet0/0
```

Step 17: Check the routes on R1.

R1#sh ip route

```
R1#sh 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
      + - replicated route, % - next hop override

Gateway of last resort is not set

      1.0.0.0/32 is subnetted, 1 subnets
C        1.1.1.1 is directly connected, Loopback0
      2.0.0.0/32 is subnetted, 1 subnets
O          2.2.2.2 [110/2] via 10.0.0.2, 00:15:47, FastEthernet0/0
      3.0.0.0/32 is subnetted, 1 subnets
O          3.3.3.3 [110/3] via 10.0.0.2, 00:13:05, FastEthernet0/0
      10.0.0.0/8 is variably subnetted, 3 subnets, 2 masks
C            10.0.0.0/24 is directly connected, FastEthernet0/0
L            10.0.0.1/32 is directly connected, FastEthernet0/0
O            10.0.1.0/24 [110/2] via 10.0.0.2, 00:13:53, FastEthernet0/0
R1#sh ip route vrf RED
```

R1#sh ip route vrf RED

```
R1#sh ip route vrf RED
Routing Table: RED
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
      + - replicated route, % - next hop override

Gateway of last resort is not set

      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C          192.168.1.0/24 is directly connected, FastEthernet1/0
```

Step 18: Now for end-to-end connectivity

- Redistribute OSPF into MP-BGP on R1
- Redistribute MP-BGP into OSPF on R1
- Redistribute OSPF into MP-BGP on R3
- Redistribute MP-BGP into OSPF on R3
- Redistribute OSPF into MP-BGP on R1

R1

router bgp 1

address-family ipv4 vrf RED

redistribute ospf 2

```
R1#config t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#router bgp 1
R1(config-router)#address-family ipv4 vrf RED
R1(config-router-af)#redistribute ospf 2
```

R1#sh ip bgp vpng4 vrf RED.

```
R1##sh ip bgp vpng4 vrf RED
*May 17 09:43:14.027: %SYS-5-CONFIG_I: Configured from console by console
R1#sh ip bgp vpng4 vrf RED
BGP table version is 7, local router ID is 1.1.1.1
Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
r RIB-failure, S Stale, m multipath, b backup-path, f RT-Filter,
x best-external, a additional-path, c RIB-compressed,
Origin codes: i - IGP, e - EGP, ? - incomplete
RPKI validation codes: V valid, I invalid, N Not found

      Network          Next Hop           Metric LocPrf Weight Path
Route Distinguisher: 4:4 (default for vrf RED)
* 4.4.4.4/32          192.168.1.4          2       32768 ?
*>i 6.6.6.6/32        3.3.3.3          2      100      0 ?
*> 192.168.1.0        0.0.0.0          0       32768 ?
*+i 192.168.2.0        3.3.3.3          0      100      0 ?

R1#sh ip bgp vpng4 vrf RED
BGP table version is 7, local router ID is 1.1.1.1
Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
```

R3#sh ip bgp vpng4 vrf RED.

```
R3#sh ip bgp vpng4 vrf RED
BGP table version is 7, local router ID is 3.3.3.3
Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
               r RIB-failure, S Stale, m multipath, b backup-path, f RT-Filter,
               x best-external, a additional-path, c RIB-compressed,
Origin codes: i - IGP, e - EGP, ? - incomplete
RPKI validation codes: V valid, I invalid, N Not found

Network          Next Hop            Metric LocPrf Weight Path
Route Distinguisher: 4:4 (default for vrf RED)
*->i 4.4.4.4/32      1.1.1.1          2      100    0 ?
*-> 6.6.6.6/32       192.168.2.6        2      32768  ?
*->i 192.168.1.0     1.1.1.1          0      100    0 ?
*-> 192.168.2.0       0.0.0.0          0      32768  ?
```

R1

router ospf 2

redistribute bgp 1 subnets

```
R1(config)#router ospf 2
R1(config-router)#redistribute bgp 1 subnets
R1(config-router)#
R1#
```

R3

router ospf 2

redistribute bgp 1 subnets

```
R3(config)#router ospf 2
R3(config-router)#redistribute bgp 1 subnets
R3(config-router)#
R3#
```

R4#sh ip route.

```
May 17 09:40:57.847: %SYS-3-CONFIG_I: Configured from console by console
R4#sh 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 - LIS
       + - replicated route, % - next hop override

Gateway of last resort is not set

        4.0.0.0/32 is subnetted, 1 subnets
C         4.4.4.4 is directly connected, Loopback0
        192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C           192.168.1.0/24 is directly connected, FastEthernet0/0
L           192.168.1.4/32 is directly connected, FastEthernet0/0
R4#sh 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 - LIS
       + - replicated route, % - next hop override
```

R6#sh ip route.

```
May 17 09:41:21.055: %SYS-3-CONFIG_I: Configured from console by console
R6#sh 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 - LIS
       + - replicated route, % - next hop override

Gateway of last resort is not set

        4.0.0.0/32 is subnetted, 1 subnets
O IA   4.4.4.4 [110/3] via 192.168.2.1, 00:00:42, FastEthernet0/0
        6.0.0.0/32 is subnetted, 1 subnets
C         6.6.6.6 is directly connected, Loopback0
O IA   192.168.1.0/24 [110/2] via 192.168.2.1, 00:00:42, FastEthernet0/0
        192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C           192.168.2.0/24 is directly connected, FastEthernet0/0
L           192.168.2.6/32 is directly connected, FastEthernet0/0
R6#
```

Check the final connectivity by pinging

R4#ping 6.6.6.6

```
R4#ping 6.6.6.6

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 6.6.6.6, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 104/123/144 ms
```

Which we can – to prove this is going over the MPLS and be label switched and not routed,

R4#trace 6.6.6.6

```
R4#trace 6.6.6.6

Type escape sequence to abort.
Tracing the route to 6.6.6.6

1 192.168.1.1 16 msec 28 msec 28 msec
2 10.0.0.2 [MPLS: Labels 16/19 Exp 0] 108 msec 120 msec 96 msec
3 192.168.2.1 [MPLS: Label 19 Exp 0] 124 msec 92 msec 80 msec
4 192.168.2.6 112 msec 132 msec 100 msec
```

*****END*****