

ROUTER #0

```
Router0#show run
Building configuration...

Current configuration : 853 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router0
!
ip cef
no ipv6 cef
!
interface FastEthernet0/0
ip address 192.168.1.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet1/0
no ip address
duplex auto
speed auto
shutdown
!
interface Serial2/0
no ip address
clock rate 2000000
shutdown
!
interface Serial3/0
no ip address
clock rate 2000000
shutdown
!
interface FastEthernet4/0
ip address 172.17.0.1 255.255.0.0
!
interface FastEthernet5/0
ip address 172.16.0.1 255.255.0.0
!
ip classless
ip route 192.168.3.0 255.255.255.0 172.16.0.2
ip route 192.168.2.0 255.255.255.0 172.17.0.2
!
ip flow-export version 9
line con 0
line aux 0
line vty 0 4
login
end
```

Router #1

```
Router1#show run
Building configuration...

Current configuration : 853 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router1
!
ip cef
no ipv6 cef
interface FastEthernet0/0
ip address 192.168.2.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet1/0
no ip address
duplex auto
speed auto
shutdown
!
interface Serial2/0
no ip address
clock rate 2000000
shutdown
!
interface Serial3/0
no ip address
clock rate 2000000
shutdown
!
interface FastEthernet4/0
ip address 172.17.0.2 255.255.0.0
!
interface FastEthernet5/0
ip address 172.18.0.2 255.255.0.0
!
ip classless
ip route 192.168.1.0 255.255.255.0 172.17.0.1
ip route 192.168.3.0 255.255.255.0 172.18.0.1
!
ip flow-export version 9
line con 0
line aux 0
line vty 0 4
login
end
```

Router #2

```
Router#show run
Building configuration...

Current configuration : 853 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
ip cef
no ipv6 cef
!
interface FastEthernet0/0
ip address 192.168.3.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet1/0
no ip address
duplex auto
speed auto
shutdown
!
interface Serial2/0
no ip address
clock rate 2000000
shutdown
!
interface Serial3/0
no ip address
clock rate 2000000
shutdown
!
interface FastEthernet4/0
ip address 172.18.0.1 255.255.0.0
!
interface FastEthernet5/0
ip address 172.16.0.2 255.255.0.0
!
ip classless
ip route 192.168.1.0 255.255.255.0 172.16.0.1
ip route 192.168.2.0 255.255.255.0 172.18.0.2
!
ip flow-export version 9
line con 0
line aux 0
line vty 0 4
login
end
```

Router #0 ip route

```
Router0#show ip route
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
i - IS-IS, 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
Gateway of last resort is not set
C 172.16.0.0/16 is directly connected, FastEthernet5/0
C 172.17.0.0/16 is directly connected, FastEthernet4/0
C 192.168.1.0/24 is directly connected, FastEthernet0/0
S 192.168.2.0/24 [1/0] via 172.17.0.2
S 192.168.3.0/24 [1/0] via 172.16.0.2
```

Router #1 ip route

```
Router1#sh ip rou
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
i - IS-IS, 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
Gateway of last resort is not set
C 172.17.0.0/16 is directly connected, FastEthernet4/0
C 172.18.0.0/16 is directly connected, FastEthernet5/0
S 192.168.1.0/24 [1/0] via 172.17.0.1
C 192.168.2.0/24 is directly connected, FastEthernet0/0
S 192.168.3.0/24 [1/0] via 172.18.0.1
```

Route #2 ip route

```
Router2#show ip route
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
i - IS-IS, 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
Gateway of last resort is not set
C 172.16.0.0/16 is directly connected, FastEthernet5/0
C 172.18.0.0/16 is directly connected, FastEthernet4/0
S 192.168.1.0/24 [1/0] via 172.16.0.1
S 192.168.2.0/24 [1/0] via 172.18.0.2
C 192.168.3.0/24 is directly connected, FastEthernet0/0
```