

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