

```

LAN(config)#interface FastEthernet0/0
LAN(config-if)#ip address 11.0.80.1 255.255.255.252
LAN(config-if)#ip address 11.0.80.1 255.255.255.252
LAN(config-if)#no s
LAN(config-if)#no sh
LAN(config-if)#no shutdown

LAN(config)#interface FastEthernet0/1
LAN(config-if)#ip address 192.168.80.1 255.255.255.0
LAN(config-if)#ip address 192.168.80.1 255.255.255.0
LAN(config-if)#no shutdown

Router(config)#hostname R1
R1(config)#
R1(config)#interface FastEthernet0/0
R1(config-if)#ip address 11.0.80.1 255.255.255.252
R1(config-if)#ip address 11.0.80.1 255.255.255.252
R1(config-if)#no shu
R1(config-if)#no shutdown

R1(config)#interface FastEthernet0/1
R1(config-if)#ip address 12.0.80.1 255.0.0.0
R1(config-if)#ip address 12.0.80.1 255.255.255.252
R1(config-if)#no shu
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

R1(config)#interface Serial0/0/0
R1(config-if)#ip address 13.0.0.1 255.0.0.0
R1(config-if)#ip address 13.0.0.1 255.255.255.252
R1(config-if)#no shut
R1(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to down
R1(config-if)#

```

```

WEB(config)#interface Serial0/0/0
WEB(config-if)#ip address 13.0.0.2 255.0.0.0
WEB(config-if)#ip address 13.0.0.2 255.255.255.252
WEB(config-if)#no shut
WEB(config-if)#no shutdown

WEB(config)#interface Serial0/0/1
WEB(config-if)#ip address 14.0.80.1 255.0.0.0
WEB(config-if)#ip address 14.0.80.1 255.255.255.252
WEB(config-if)#
WEB(config-if)#exit
WEB(config)#interface FastEthernet0/0
WEB(config-if)#ip address 15.0.80.1 255.0.0.0
WEB(config-if)#ip address 15.0.80.1 255.255.255.0
WEB(config-if)#

DATA(config)#interface FastEthernet0/0
DATA(config-if)#ip address 15.0.80.1 255.255.255.0
DATA(config-if)#ip address 15.0.80.1 255.255.255.0

DATA(config)#interface FastEthernet0/1
DATA(config-if)#ip address 192.168.100.1 255.255.255.0
DATA(config-if)#ip address 192.168.100.1 255.255.255.0

```

LAN#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

```
11.0.0.0/30 is subnetted, 1 subnets
C    11.0.80.0 is directly connected, FastEthernet0/0
13.0.0.0/30 is subnetted, 1 subnets
S    13.0.0.0 is directly connected, FastEthernet0/0
15.0.0.0/30 is subnetted, 1 subnets
S    15.0.80.0 is directly connected, FastEthernet0/0
C    192.168.80.0/24 is directly connected, FastEthernet0/1
```

```
R1(config)#ip route 12.0.80.0 255.255.255.252 f0/0
R1(config)#ip route 12.0.90.0 255.255.255.252 f0/0
R1(config)#ip route 12.0.80.0 255.255.255.252 f0/0
R1(config)#
R1(config)#no ip route 12.0.90.0 255.255.255.252 FastEthernet0/0
R1(config)#ip route 14.0.80.0 255.255.255.252 f0/0
R1(config)#ip route 13.0.0.0 255.255.255.252 f0/0
R1(config)#ip route 15.0.80.0 255.255.255.0 f0/0
R1(config)#ip route 192.168.100.0 255.255.255.0 f0/0
R1(config)#
```

R1#show ip route

% Invalid input detected at '^' marker.

R1#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

```
11.0.0.0/30 is subnetted, 1 subnets
C    11.0.80.0 is directly connected, FastEthernet0/0
12.0.0.0/30 is subnetted, 1 subnets
C    12.0.80.0 is directly connected, FastEthernet0/1
13.0.0.0/30 is subnetted, 1 subnets
C    13.0.0.0 is directly connected, Serial0/0/0
14.0.0.0/30 is subnetted, 1 subnets
S    14.0.80.0 is directly connected, FastEthernet0/0
15.0.0.0/24 is subnetted, 1 subnets
S    15.0.80.0 is directly connected, Serial0/0/0
        is directly connected, FastEthernet0/0
S    192.168.100.0/24 is directly connected, FastEthernet0/0
--More-- |
```