Configuration R1

```
Router>
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ho
Router(config)#hostname R1
R1(config)#int s0/0/0
R1(config-if)#ip address 10.100.100.1 255.255.255.252
R1(config-if)#no shut
R1(config-if)#exit
R1(config)#ip address 10.100.100.1 255.255.255.252
*Mar 26 20:20:49.155: %LINK-3-UPDOWN: Interf
R1(config)#int s0/0/1
R1(config-if)#ip address 10.100.100.10 255.255.255.252
R1(config-if)#no shut
R1(config-if)#exit
R1(config)#
*Mar 26 20:21:19.839: %LINK-3-UPDOWN: Interface Serial0/0/1, changed state to up
*Mar 26 20:21:20.839: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/
1, changed state to up
R1(config)#int g0/1
*Mar 26 20:21:34.491: %LINK-3-UPDOWN: Interface Serial0/0/0, changed state to up
*Mar 26 20:21:35.491: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/
0, changed state to up
R1(config-if)#int g0/1
R1(config-if)#ip address 192.168.2.1 255.255.255.0
R1(config-if)#no shut
R1(config-if)#exi
*Mar 26 20:22:03.407: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed stat
e to d
*Mar 26 20:22:06.819: %LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed stat
e to up
*Mar 26 20:22:07.819: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEth
ernet0/1, changed state to up
R1(config-if)#exit
R1(config)#ip address 192.168.1.1 255.255.255.0
                 ^
% Invalid input detected at '^' marker.

R1(config)#int g0/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no shut
R1(config-if)#exit
R1(config)#
*Mar 26 20:22:39.247: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed stat
e to down
*Mar 26 20:22:42.819: %LINK-3-UPDOWN: Interface GigabitEthernet0/0, changed stat
e to up
*Mar 26 20:22:43.819: %LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEth
ernet0/0, changed state to up
```

R1(config)#ip route 192.168.5.0 255.255.255.0 10.100.100.9
R1(config)#ip route 192.168.6.0 255.255.255.0 10.100.100.9
R1(config)#ip route 192.168.3.0 255.255.255.0 10.100.100.2
R1(config)#ip route 192.168.4.0 255.255.255.0 10.100.100.2
R1(config)#ip route 0.0.0.0 0.0.0.0 10.100.100.9
R1(config)#ip route 0.0.0.0 0.0.0.0 10.100.100.2 5
R1(config)#exit

Commande Show

R1#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 10.100.100.9 to network 0.0.0.0

S*   0.0.0.0/0 [1/0] via 10.100.100.9
      10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C   10.100.100.0/30 is directly connected, Serial0/0/0
L   10.100.100.1/32 is directly connected, Serial0/0/0
C   10.100.100.8/30 is directly connected, Serial0/0/1
L   10.100.100.10/32 is directly connected, Serial0/0/1
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C   192.168.1.0/24 is directly connected, GigabitEthernet0/0
L   192.168.1.1/32 is directly connected, GigabitEthernet0/0
      192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C   192.168.2.0/24 is directly connected, GigabitEthernet0/1
L   192.168.2.1/32 is directly connected, GigabitEthernet0/1
S   192.168.3.0/24 [1/0] via 10.100.100.2
S   192.168.4.0/24 [1/0] via 10.100.100.2
S   192.168.5.0/24 [1/0] via 10.100.100.9
S   192.168.6.0/24 [1/0] via 10.100.100.9
R1#
R1#show ip interface brief

```
Interface              IP-Address      OK? Method Status           Prot
ocol
Embedded-Service-Engine0/0 unassigned     YES unset  administratively down down
GigabitEthernet0/0      192.168.1.1    YES manual up                up
GigabitEthernet0/1      192.168.2.1    YES manual up                up
Serial0/0/0            10.100.100.1   YES manual up               up
Serial0/0/1            10.100.100.10  YES manual up                up
R1#show ip route static
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 10.100.100.9 to network 0.0.0.0

S*   0.0.0.0/0 [1/0] via 10.100.100.9
S    192.168.3.0/24 [1/0] via 10.100.100.2
S    192.168.4.0/24 [1/0] via 10.100.100.2
S    192.168.5.0/24 [1/0] via 10.100.100.9
S    192.168.6.0/24 [1/0] via 10.100.100.9
R1#show cdp
R1#show cdp neighbors
Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
             S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone,
             D - Remote, C - CVTA, M - Two-port Mac Relay

Device ID      Local Intrfce   Holdtme   Capability  Platform  Port ID
SW1          Gig 0/0        149         S I   WS-C3560- Fas 0/23
SW2          Gig 0/1        135         S I   WS-C2960- Fas 0/23
r2           Ser 0/0/0      134        R B S I CISCO1941 Ser 0/0/1
R3           Ser 0/0/1      160         R B S I CISCO1941 Ser 0/0/0

Total cdp entries displayed : 4
R1#
```