

Ruteo BGP (Entre Sistemas Autónomos)

Origen	Máscara	Dirección de red	Dirección de Próximo Salto	Interfaz de salida
R1	255.255.255.252	15.1.1.0	—	Se0/0/0
	255.255.255.252	16.1.1.0	—	Se0/1/0
	255.255.255.252	17.1.1.0	—	Se0/0/1
	255.255.255.252	18.1.1.0	15.1.1.2	00:00:00
	255.255.255.252	19.1.1.0	17.1.1.2	00:00:00
	255.255.255.252	20.1.1.0	15.1.1.2	00:00:00

Origen	Máscara	Dirección de red	Dirección de Próximo Salto	Interfaz de salida
R2	255.255.255.252	15.1.1.0	—	Se0/0/0
	255.255.255.252	16.1.1.0	15.1.1.1	00:00:00
	255.255.255.252	17.1.1.0	15.1.1.1	00:00:00
	255.255.255.252	18.1.1.0	—	Se0/0/1
	255.255.255.252	19.1.1.0	18.1.1.2	00:00:00
	255.255.255.252	20.1.1.0	—	Se0/1/0

Origen	Máscara	Dirección de red	Dirección de Próximo Salto	Interfaz de salida
R3	255.255.255.252	15.1.1.0	20.1.1.1	00:00:00
	255.255.255.252	16.1.1.0	20.1.1.1	00:00:00
	255.255.255.252	17.1.1.0	20.1.1.1	00:00:00
	255.255.255.252	18.1.1.0	20.1.1.1	00:00:00
	255.255.255.252	19.1.1.0	20.1.1.1	00:00:00
	255.255.255.252	20.1.1.0	—	Se0/0/0

Origen	Máscara	Dirección de red	Dirección de Próximo Salto	Interfaz de salida
R4	255.255.255.252	15.1.1.0	17.1.1.1	00:00:00
	255.255.255.252	16.1.1.0	17.1.1.1	00:00:00
	255.255.255.252	17.1.1.0	—	Se0/0/0
	255.255.255.252	18.1.1.0	—	Se0/0/1
	255.255.255.252	19.1.1.0	—	Se0/1/0
	255.255.255.252	20.1.1.0	18.1.1.1	00:00:00

Origen	Máscara	Dirección de red	Dirección de Próximo Salto	Interfaz de salida
R5	255.255.255.252	15.1.1.0	16.1.1.1	Se0/0/0
	255.255.255.252	16.1.1.0	—	Se0/0/0
	255.255.255.252	17.1.1.0	16.1.1.1	00:00:00
	255.255.255.252	18.1.1.0	16.1.1.1	00:00:00
	255.255.255.252	19.1.1.0	16.1.1.1	00:00:00
	255.255.255.252	20.1.1.0	16.1.1.1	00:00:00

Origen	Máscara	Dirección de red	Dirección de Próximo Salto	Interfaz de salida
R6	255.255.255.252	15.1.1.0	19.1.1.1	00:00:00
	255.255.255.252	16.1.1.0	19.1.1.1	00:00:00
	255.255.255.252	17.1.1.0	19.1.1.1	00:00:00
	255.255.255.252	18.1.1.0	19.1.1.1	00:00:00
	255.255.255.252	19.1.1.0	—	Se0/0/0
	255.255.255.252	20.1.1.0	19.1.1.1	00:00:00

Anexe una captura de pantalla de la ejecución del comando **show ip route** para los routers R1, R2 y R3. **NO** incluir archivo pkt.

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R1>en
R1#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

    15.0.0.0/30 is subnetted, 1 subnets
C       15.1.1.0 is directly connected, Serial0/0/0
    16.0.0.0/30 is subnetted, 1 subnets
C       16.1.1.0 is directly connected, Serial0/1/0
    17.0.0.0/30 is subnetted, 1 subnets
C       17.1.1.0 is directly connected, Serial0/0/1
    18.0.0.0/30 is subnetted, 1 subnets
B       18.1.1.0 [20/0] via 15.1.1.2, 00:00:00
    19.0.0.0/30 is subnetted, 1 subnets
B       19.1.1.0 [20/0] via 17.1.1.2, 00:00:00
    20.0.0.0/30 is subnetted, 1 subnets
B       20.1.1.0 [20/0] via 15.1.1.2, 00:00:00

R1#

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```
R2>en
R2#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

    15.0.0.0/30 is subnetted, 1 subnets
C       15.1.1.0 is directly connected, Serial0/0/0
    16.0.0.0/30 is subnetted, 1 subnets
B       16.1.1.0 [20/0] via 15.1.1.1, 00:00:00
    17.0.0.0/30 is subnetted, 1 subnets
B       17.1.1.0 [20/0] via 15.1.1.1, 00:00:00
    18.0.0.0/30 is subnetted, 1 subnets
C       18.1.1.0 is directly connected, Serial0/0/1
    19.0.0.0/30 is subnetted, 1 subnets
B       19.1.1.0 [20/0] via 18.1.1.2, 00:00:00
    20.0.0.0/30 is subnetted, 1 subnets
C       20.1.1.0 is directly connected, Serial0/1/0

R2#
```

```
R3>en
R3#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

    15.0.0.0/30 is subnetted, 1 subnets
B       15.1.1.0 [20/0] via 20.1.1.1, 00:00:00
    16.0.0.0/30 is subnetted, 1 subnets
B       16.1.1.0 [20/0] via 20.1.1.1, 00:00:00
    17.0.0.0/30 is subnetted, 1 subnets
B       17.1.1.0 [20/0] via 20.1.1.1, 00:00:00
    18.0.0.0/30 is subnetted, 1 subnets
B       18.1.1.0 [20/0] via 20.1.1.1, 00:00:00
    19.0.0.0/30 is subnetted, 1 subnets
B       19.1.1.0 [20/0] via 20.1.1.1, 00:00:00
    20.0.0.0/30 is subnetted, 1 subnets
C       20.1.1.0 is directly connected, Serial0/0/0

R3#
```