

60



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Router 2

```
R2#show ipv in
R2#show ipv int
R2#show ipv interface b
R2#show ipv interface brief
GigabitEthernet0/0          [up/up]
GigabitEthernet0/0.1        [up/up]
    FE80::209:7CFF:FE5B:5201
    2020:60:60:60::1
GigabitEthernet0/0.2        [up/up]
    FE80::209:7CFF:FE5B:5201
    2021:60:60:60::1
GigabitEthernet0/0.3        [up/up]
    FE80::209:7CFF:FE5B:5201
    2022:60:60:60::1
GigabitEthernet0/1          [administratively down/down]
GigabitEthernet0/2          [administratively down/down]
Serial0/0/0                 [up/up]
    FE80::209:7CFF:FE5B:5201
    2002:60:60:60::1
Serial0/0/1                 [up/up]
    FE80::209:7CFF:FE5B:5201
    2001:60:60:60::2
Vlan1                       [administratively down/down]
R2#
```

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Router 3

```
R3#show ipv interface brief
GigabitEthernet0/0          [up/up]
GigabitEthernet0/0.1        [up/up]
    FE80::2E0:B0FF:FE70:A901
    2040:60:60:60::1
GigabitEthernet0/0.2        [up/up]
    FE80::2E0:B0FF:FE70:A901
    2041:60:60:60::1
GigabitEthernet0/0.3        [up/up]
    FE80::2E0:B0FF:FE70:A901
    2042:60:60:60::1
GigabitEthernet0/0.4        [up/up]
    FE80::2E0:B0FF:FE70:A901
    2043:60:60:60::1
GigabitEthernet0/1          [administratively down/down]
GigabitEthernet0/2          [administratively down/down]
Serial0/0/0                 [up/up]
    FE80::2E0:B0FF:FE70:A901
    2003:60:60:60::1
Serial0/0/1                 [up/up]
    FE80::2E0:B0FF:FE70:A901
    2002:60:60:60::2
Vlan1                       [administratively down/down]
R3#
```

Router 4

```
r4#show ipv interface brief
GigabitEthernet0/0          [up/up]
GigabitEthernet0/0.1        [up/up]
    FE80::2D0:BAFF:FE34:7301
    2033:60:60:60::1
GigabitEthernet0/0.2        [up/up]
    FE80::2D0:BAFF:FE34:7301
    2034:60:60:60::1
GigabitEthernet0/0.3        [up/up]
GigabitEthernet0/0.4        [up/up]
GigabitEthernet0/1          [up/up]
GigabitEthernet0/1.1        [up/up]
GigabitEthernet0/1.2        [up/up]
GigabitEthernet0/1.3        [up/up]
    FE80::2D0:BAFF:FE34:7302
    2030:60:60:60::1
GigabitEthernet0/1.4        [up/up]
    FE80::2D0:BAFF:FE34:7302
    2031:60:60:60::1
GigabitEthernet0/2          [administratively down/down]
Serial0/0/0                 [administratively down/down]
Serial0/0/1                 [up/up]
    FE80::2D0:BAFF:FE34:7301
    2003:60:60:60::2
Vlan1                       [administratively down/down]
r4#
```

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3. tabla de enrutamineto

Router 1

```
R1#show ipv route
IPv6 Routing Table - 24 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
        U - Per-user Static route, M - MIPv6
        I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
        O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
        ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
        D - EIGRP, EX - EIGRP external
C   2001:60:60:60::/64 [0/0]
    via Serial0/0/0, directly connected
L   2001:60:60:60::1/128 [0/0]
    via Serial0/0/0, receive
D   2002:60:60:60::/64 [90/2681856]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2003:60:60:60::/64 [90/3193856]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
C   2004:60:60:60::/64 [0/0]
    via GigabitEthernet0/1.1, directly connected
L   2004:60:60:60::1/128 [0/0]
    via GigabitEthernet0/1.1, receive
C   2005:60:60:60::/64 [0/0]
    via GigabitEthernet0/1.2, directly connected
L   2005:60:60:60::1/128 [0/0]
    via GigabitEthernet0/1.2, receive
C   2007:60:60:60::/64 [0/0]
    via GigabitEthernet0/0.4, directly connected
L   2007:60:60:60::1/128 [0/0]
    via GigabitEthernet0/0.4, receive
C   2008:60:60:60::/64 [0/0]
    via GigabitEthernet0/0.3, directly connected
L   2008:60:60:60::1/128 [0/0]
    via GigabitEthernet0/0.3, receive
D   2020:60:60:60::/64 [90/2172416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2021:60:60:60::/64 [90/2172416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2022:60:60:60::/64 [90/2172416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2030:60:60:60::/64 [90/3196416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2031:60:60:60::/64 [90/3196416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2033:60:60:60::/64 [90/3196416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2034:60:60:60::/64 [90/3196416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2040:60:60:60::/64 [90/2684416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2041:60:60:60::/64 [90/2684416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2042:60:60:60::/64 [90/2684416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
D   2043:60:60:60::/64 [90/2684416]
    via FE80::209:7CFF:FESB:5201, Serial0/0/0
L   FF00::/8 [0/0]
    via Null0, receive
R1#
```

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Router 2

```
R2#sho ipv route
IPv6 Routing Table - 24 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
       U - Per-user Static route, M - MIPv6
       I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
       O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
       ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
       D - EIGRP, EX - EIGRP external
C  2001:60:60:60::/64 [0/0]
   via Serial0/0/1, directly connected
L  2001:60:60:60::2/128 [0/0]
   via Serial0/0/1, receive
C  2002:60:60:60::/64 [0/0]
   via Serial0/0/0, directly connected
L  2002:60:60:60::1/128 [0/0]
   via Serial0/0/0, receive
D  2003:60:60:60::/64 [90/2681856]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2004:60:60:60::/64 [90/2172416]
   via FE80::202:17FF:FE3C:A301, Serial0/0/1
D  2005:60:60:60::/64 [90/2172416]
   via FE80::202:17FF:FE3C:A301, Serial0/0/1
D  2007:60:60:60::/64 [90/2172416]
   via FE80::202:17FF:FE3C:A301, Serial0/0/1
D  2008:60:60:60::/64 [90/2172416]
   via FE80::202:17FF:FE3C:A301, Serial0/0/1
C  2020:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.1, directly connected
L  2020:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.1, receive
C  2021:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.2, directly connected
L  2021:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.2, receive
C  2022:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.3, directly connected
L  2022:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.3, receive
D  2030:60:60:60::/64 [90/2684416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2031:60:60:60::/64 [90/2684416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2033:60:60:60::/64 [90/2684416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2034:60:60:60::/64 [90/2684416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2040:60:60:60::/64 [90/2172416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2041:60:60:60::/64 [90/2172416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2042:60:60:60::/64 [90/2172416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
D  2043:60:60:60::/64 [90/2172416]
   via FE80::2E0:BOFF:FE70:A901, Serial0/0/0
L  FF00::/8 [0/0]
   via Null0, receive
R2#
```

Router 3

```
R3#show ipv route
IPv6 Routing Table - 25 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
       U - Per-user Static route, M - MIPv6
       I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
       O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
       ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
       D - EIGRP, EX - EIGRP external
D  2001:60:60:60::/64 [90/2681856]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
C  2002:60:60:60::/64 [0/0]
   via Serial0/0/1, directly connected
L  2002:60:60:60::2/128 [0/0]
   via Serial0/0/1, receive
C  2003:60:60:60::/64 [0/0]
   via Serial0/0/0, directly connected
L  2003:60:60:60::1/128 [0/0]
   via Serial0/0/0, receive
D  2004:60:60:60::/64 [90/2684416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2005:60:60:60::/64 [90/2684416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2007:60:60:60::/64 [90/2684416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2008:60:60:60::/64 [90/2684416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2020:60:60:60::/64 [90/2172416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2021:60:60:60::/64 [90/2172416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2022:60:60:60::/64 [90/2172416]
   via FE80::209:7CFF:FE5B:5201, Serial0/0/1
D  2030:60:60:60::/64 [90/2172416]
   via FE80::2D0:BAFF:FE34:7301, Serial0/0/0
D  2031:60:60:60::/64 [90/2172416]
   via FE80::2D0:BAFF:FE34:7301, Serial0/0/0
D  2033:60:60:60::/64 [90/2172416]
   via FE80::2D0:BAFF:FE34:7301, Serial0/0/0
D  2034:60:60:60::/64 [90/2172416]
   via FE80::2D0:BAFF:FE34:7301, Serial0/0/0
C  2040:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.1, directly connected
L  2040:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.1, receive
C  2041:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.2, directly connected
L  2041:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.2, receive
C  2042:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.3, directly connected
L  2042:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.3, receive
C  2043:60:60:60::/64 [0/0]
   via GigabitEthernet0/0.4, directly connected
L  2043:60:60:60::1/128 [0/0]
   via GigabitEthernet0/0.4, receive
L  FF00::/8 [0/0]
   via Null0, receive
R3#
```



















































Router 4

```
r4# show ipv route
IPv6 Routing Table - 24 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
       U - Per-user Static route, M - MIPv6
       I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
       O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
       ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
       D - EIGRP, EX - EIGRP external
D 2001:60:60:60::/64 [90/3193856]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2002:60:60:60::/64 [90/2681856]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
C 2003:60:60:60::/64 [0/0]
  via Serial0/0/1, directly connected
L 2003:60:60:60::2/128 [0/0]
  via Serial0/0/1, receive
D 2004:60:60:60::/64 [90/3196416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2005:60:60:60::/64 [90/3196416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2007:60:60:60::/64 [90/3196416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2008:60:60:60::/64 [90/3196416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2020:60:60:60::/64 [90/2684416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2021:60:60:60::/64 [90/2684416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2022:60:60:60::/64 [90/2684416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
C 2030:60:60:60::/64 [0/0]
  via GigabitEthernet0/1.3, directly connected
L 2030:60:60:60::1/128 [0/0]
  via GigabitEthernet0/1.3, receive
C 2031:60:60:60::/64 [0/0]
  via GigabitEthernet0/1.4, directly connected
L 2031:60:60:60::1/128 [0/0]
  via GigabitEthernet0/1.4, receive
C 2033:60:60:60::/64 [0/0]
  via GigabitEthernet0/0.1, directly connected
L 2033:60:60:60::1/128 [0/0]
  via GigabitEthernet0/0.1, receive
C 2034:60:60:60::/64 [0/0]
  via GigabitEthernet0/0.2, directly connected
L 2034:60:60:60::1/128 [0/0]
  via GigabitEthernet0/0.2, receive
D 2040:60:60:60::/64 [90/2172416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2041:60:60:60::/64 [90/2172416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2042:60:60:60::/64 [90/2172416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
D 2043:60:60:60::/64 [90/2172416]
  via FE80::2E0:B0FF:FE70:A901, Serial0/0/1
L FF00::/8 [0/0]
  via Null0, receive
r4#
```

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4. prueba de conectividad

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	A:2004:60:60:60::20/64	B:2004:60:60:60::10/64	ICMP...		0.000	N	0	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	c:2005:60:60:60::10/64	ICMP...		0.000	N	1	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	D:2005:60:60:60::20/64	ICMP...		0.000	N	2	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	E:2008:60:60:60::10/64	ICMP...		0.000	N	3	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	F:2007:60:60:60::20/64	ICMP...		0.000	N	4	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	F1:2007:60:60:60::10/64	ICMP...		0.000	N	5	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	G:2008:60:60:60::10/64	ICMP...		0.000	N	6	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	H:2020:60:60:60::10/64	ICMP...		0.000	N	7	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	I:2022:60:60:60::10/64	ICMP...		0.000	N	8	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	J:2022:60:60:60::20/64	ICMP...		0.000	N	9	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	K:2021:60:60:60::10/64	ICMP...		0.000	N	10	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	K1:2020:60:60:60::20/64	ICMP...		0.000	N	11	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	K2-2021:60:60:60::20/64	ICMP...		0.000	N	12	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	M-2041:60:60:60::10/64	ICMP...		0.000	N	13	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	N-2042:60:60:60::10/64	ICMP...		0.000	N	14	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	L-2040:60:60:60::10/64	ICMP...		0.000	N	15	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	O-2043:60:60:60::10/64	ICMP...		0.000	N	16	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	P-2031:60:60:60::20/64	ICMP...		0.000	N	17	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	Q-2030:60:60:60::10/64	ICMP...		0.000	N	18	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	R-2030:60:60:60::20/64	ICMP...		0.000	N	19	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	S-2031:60:60:60::10/64	ICMP...		0.000	N	20	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	T-2034:60:60:60::10/64	ICMP...		0.000	N	21	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	U-2033:60:60:60::20/64	ICMP...		0.000	N	22	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	W-2034:60:60:60::20/64	ICMP...		0.000	N	23	(edit)	(delete)
	Successful	A:2004:60:60:60::20/64	X-2033:60:60:60::10/64	ICMP...		0.000	N	24	(edit)	(delete)