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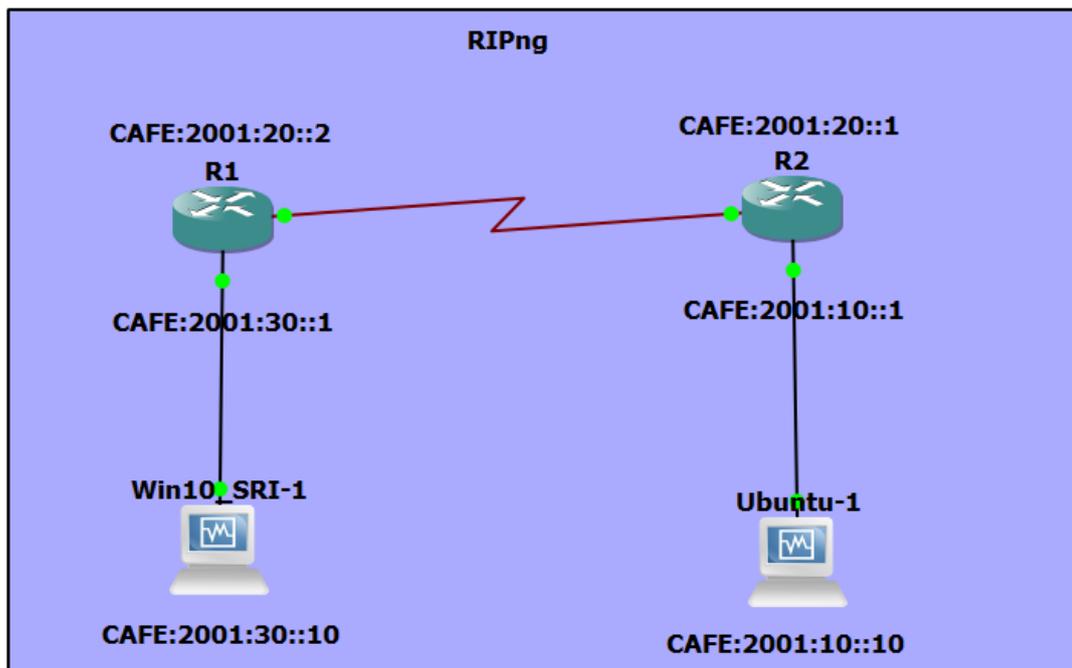
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Ejercicio 1

a)RIPng

Solución:

Escenario



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Configuración R1

```

R1#config t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#interface FastEthernet 0/0
R1(config-if)#ipv6 address CAFE:2001:30::1/64
R1(config-if)#no shutdown
R1(config-if)#interface Se1/0
R1(config-if)#ipv6 address CAFE:2001:20::2/64
R1(config-if)#no shutdown
R1(config-if)#exit
R1(config)#IPV6 UNICAST-routing
R1(config)#interface Se1/0
R1(config-if)#ipv6 rip R1PPAR enable
R1(config-if)#interface FastEthernet 0/0
R1(config-if)#ipv6 rip R1PPAR enable
R1(config-if)#do w
  
```

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```

: ● R2 ● R1 × | +
interface FastEthernet0/0
no ip address
duplex half
ipv6 address CAFE:2001:30::1/64
ipv6 rip RIPPAR enable
!
interface Serial1/0
no ip address
ipv6 address CAFE:2001:20::2/64
ipv6 rip RIPPAR enable
serial restart-delay 0
!
interface Serial1/1
no ip address

R1#show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
       B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
       H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
       IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
       ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect
       O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
       ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, l - LISP
R  CAFE:2001:10::/64 [120/2]
   via FE80::C802:30FF:FE84:0, Serial1/0
C  CAFE:2001:20::/64 [0/0]
   via Serial1/0, directly connected
L  CAFE:2001:20::2/128 [0/0]
   via Serial1/0, receive
C  CAFE:2001:30::/64 [0/0]
   via FastEthernet0/0, directly connected
L  CAFE:2001:30::1/128 [0/0]
   via FastEthernet0/0, receive
L  FF00::/8 [0/0]
   via Null0, receive

```

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Configuración R2

```

: ● R2 × ● R1 | +
R2#config t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#interface FastEthernet 0/0
R2(config-if)#ipv6 address CAFE:2001:10::1/64
R2(config-if)#no shutdown
R2(config-if)#interface Se1/0
R2(config-if)#ipv6 address CAFE:2001:20::1/64
R2(config-if)#no shutdown
R2(config-if)#exit
R2(config)#IPV6 UNIcast-routing
R2(config)#interface Se1/0
R2(config-if)#ipv6 rip RIPPAR enable
R2(config-if)#interface FastEthernet 0/0
R2(config-if)#ipv6 rip RIPPAR enable
R2(config-if)#do w

```

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```

R2
interface FastEthernet0/0
no ip address
duplex half
ipv6 address CAFE:2001:10::1/64
ipv6 rip RIPPAR enable
!
interface Serial1/0
no ip address
ipv6 address CAFE:2001:20::1/64
ipv6 rip RIPPAR enable
serial restart-delay 0
!
R2#show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect
O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, I - LISP
C CAFE:2001:10::/64 [0/0]
  via FastEthernet0/0, directly connected
L CAFE:2001:10::1/128 [0/0]
  via FastEthernet0/0, receive
C CAFE:2001:20::/64 [0/0]
  via Serial1/0, directly connected
L CAFE:2001:20::1/128 [0/0]
  via Serial1/0, receive
R CAFE:2001:30::/64 [120/2]
  via FE80::C801:BFF:FE9C:0, Serial1/0
L FF00::/8 [0/0]
  via Null0, receive

```

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Comprobación Windows

```

Win10_SRI [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
ca. Seleccionar Símbolo del sistema - ping cafe:2001:10::10
Microsoft Windows [Versión 10.0.19044.1288]
(c) Microsoft Corporation. Todos los derechos reservados.
C:\Users\Usuario>ipconfig

Configuración IP de Windows

Adaptador de Ethernet Ethernet:

    Sufijo DNS específico para la conexión. . . :
    Dirección IPv6 . . . . . : cafe:2001:30::10
    Dirección IPv6 . . . . . : cafe:2001:30:0:d4bb:74a5:9d80:a007
    Dirección IPv6 temporal. . . . . : cafe:2001:30:0:59c6:9f5b:fb47:8680
    Vínculo: dirección IPv6 local. . . : fe80::d4bb:74a5:9d80:a007%3
    Puerta de enlace predeterminada . . . . : cafe:2001:30::1
                                                fe80::c801:bff:fe9c:0%3

C:\Users\Usuario>ping cafe:2001:10::10

Haciendo ping a cafe:2001:10::10 con 32 bytes de datos:
Respuesta desde cafe:2001:10::10: tiempo=35ms
Respuesta desde cafe:2001:10::10: tiempo=37ms

```

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Comprobación Ubuntu

```

Ubuntu [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Actividades  Terminal  25 de sep 17:58
usuario@usuario-miguel-SRI: ~
usuario@usuario-miguel-SRI:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:6d:84:a8 brd ff:ff:ff:ff:ff:ff
    inet6 cafe:2001:10::10/64 scope global noprefixroute
        valid_lft forever preferred_lft forever
    inet6 fe80::9664:4e6c:fb04:98fb/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 52:54:00:bb:f7:2c brd ff:ff:ff:ff:ff:ff
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
        valid_lft forever preferred_lft forever
usuario@usuario-miguel-SRI:~$ ping cafe:2001:30::10
PING cafe:2001:30::10(cafe:2001:30::10) 56 data bytes
64 bytes from cafe:2001:30::10: icmp_seq=1 ttl=62 time=31.7 ms
64 bytes from cafe:2001:30::10: icmp_seq=2 ttl=62 time=26.2 ms

```

Comprobación Routers

```

R1#ping cafe:2001:10::10
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to CAFE:2001:10::10, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 24/28/32 ms
R1#
R1#
R1#

```

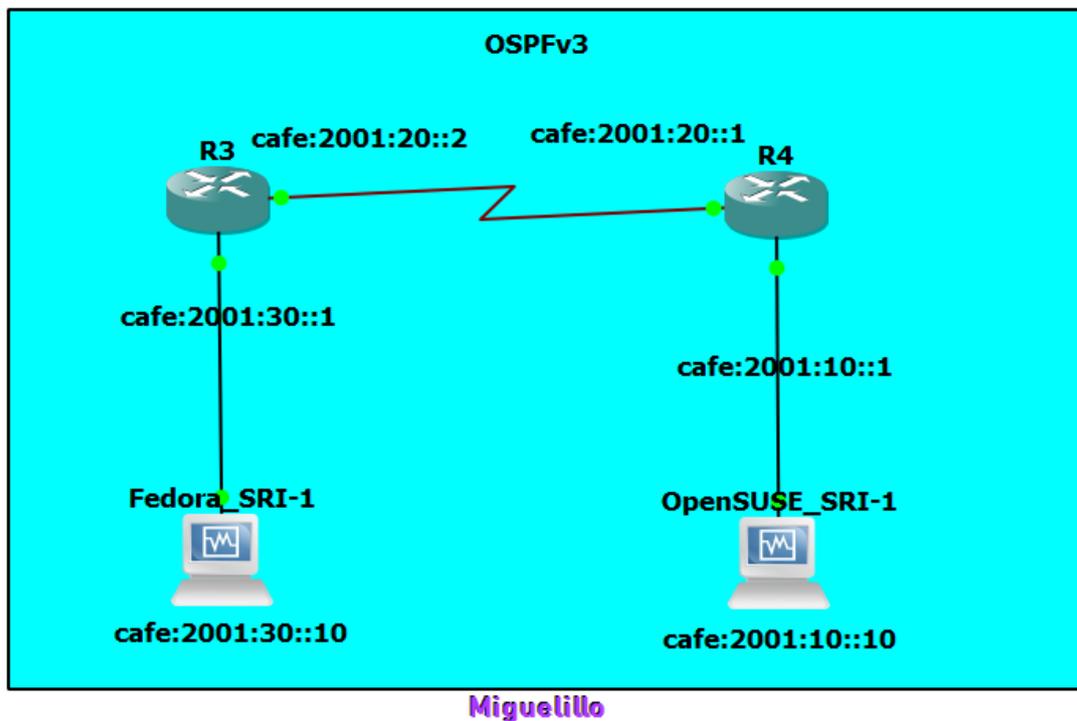
```

R2#ping cafe:2001:30::10
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to CAFE:2001:30::10, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 28/29/32 ms
R2#
R2#
R2#

```

b)OSPFv3

Escenario



Configuración R1

```

Overview
R4
R3
R3#config t
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#interface FastEthernet 0/0
R3(config-if)#ipv6 address CAFE:2001:30::1/64
R3(config-if)#no shutdown
R3(config-if)#interface Se1/0
R3(config-if)#ipv6 address CAFE:2001:20::2/64
R3(config-if)#no shutdown
R3(config-if)#exit
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*Sep 25 18:29:50.123: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to down
R3(config)#IPV6 UNICAST-routing
R3(config)#ipv6 router ospf 10
R3(config-rtr)#router-id 1.1.1.1
R3(config-rtr)#interface FastEthernet 0/0
R3(config-if)#ipv6 ospf 10 area 0
R3(config-if)#exit
R3(config)#interface Se1/0
R3(config-if)#ipv6 ospf 10 area 0
R3(config-if)#exit
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```

```

Overview R4 R3
interface FastEthernet0/0
no ip address
duplex half
ipv6 address CAFE:2001:30::1/64
ipv6 ospf 10 area 0
!
interface Serial1/0
no ip address
ipv6 address CAFE:2001:20::2/64
ipv6 ospf 10 area 0
serial restart-delay 0
!
R3#sh
R3#show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
        B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
        H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
        IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
        ND - ND Default, NDP - ND Prefix, DCE - Destination, NDR - Redirect
        O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
        ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, 1 - LISP
O  CAFE:2001:10::/64 [110/65]
   via FE80::C804:10FF:FEE8:0, Serial1/0
C  CAFE:2001:20::/64 [0/0]
   via Serial1/0, directly connected
L  CAFE:2001:20::2/128 [0/0]
   via Serial1/0, receive
C  CAFE:2001:30::/64 [0/0]
   via FastEthernet0/0, directly connected
L  CAFE:2001:30::1/128 [0/0]
   via FastEthernet0/0, receive
L  FF00::/8 [0/0]
   via Null0, receive
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```

Configuración R2

```

Overview R4 R3
R4#config t
Enter configuration commands, one per line. End with CNTL/Z.
R4(config)#interface FastEthernet 0/0
R4(config-if)#ipv6 address CAFE:2001:10::1/64
R4(config-if)#no shutdown
R4(config-if)#interface Se1/0
R4(config-if)#ipv6 address CAFE:2001:20::1/64
R4(config-if)#no shutdown
R4(config-if)#exit
R4(config)#IPV6 UNICAST-routing
R4(config)#ipv6 router ospf 10
R4(config-rtr)#router-id 2.2.2.2
R4(config-rtr)#interface FastEthernet 0/0
R4(config-if)#ipv6 ospf 10 area 0
R4(config-if)#exit
R4(config)#interface Se1/0
R4(config-if)#ipv6 ospf 10 area 0
R4(config-if)#exit
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```

```

Overview R4 R3
interface FastEthernet0/0
no ip address
duplex half
ipv6 address CAFE:2001:10::1/64
ipv6 ospf 10 area 0
!
interface Serial1/0
no ip address
ipv6 address CAFE:2001:20::1/64
ipv6 ospf 10 area 0
serial restart-delay 0
!
R4#show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
        B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
        H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
        IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
        ND - ND Default, NDP - ND Prefix, DCE - Destination, NDR - Redirect
        O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
        ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, 1 - LISP
C  CAFE:2001:10::/64 [0/0]
   via FastEthernet0/0, directly connected
L  CAFE:2001:10::1/128 [0/0]
   via FastEthernet0/0, receive
C  CAFE:2001:20::/64 [0/0]
   via Serial1/0, directly connected
L  CAFE:2001:20::1/128 [0/0]
   via Serial1/0, receive
O  CAFE:2001:30::/64 [110/65]
   via FE80::C803:1FFF:FEBC:0, Serial1/0
L  FF00::/8 [0/0]
   via Null0, receive
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```

Comprobación Fedora

```

[usuario@fedora ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:42:d8:98 brd ff:ff:ff:ff:ff:ff
    inet6 cafe:2001:30::10/64 scope global noprefixroute
        valid_lft forever preferred_lft forever
    inet6 fe80::d910:5aaa:9738:9e6/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
[usuario@fedora ~]$ ping cafe:2001:10::10
PING cafe:2001:10::10(cafe:2001:10::10) 56 data bytes
64 bytes from cafe:2001:10::10: icmp_seq=1 ttl=62 time=39.9 ms
64 bytes from cafe:2001:10::10: icmp_seq=2 ttl=62 time=34.6 ms
^C
--- cafe:2001:10::10 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1000ms
rtt min/avg/max/mdev = 34.635/37.256/39.877/2.621 ms
[usuario@fedora ~]$

```

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Comprobación OpenSUSE

```

usuario@localhost:~> ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 08:00:27:f2:8b:dd brd ff:ff:ff:ff:ff:ff
    altname enp0s3
    inet6 cafe:2001:10::10/64 scope global noprefixroute
        valid_lft forever preferred_lft forever
    inet6 fe80::ecff:7b3b:ccfe:cd94/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
usuario@localhost:~> ping cafe:2001:30::10
PING cafe:2001:30::10(cafe:2001:30::10) 56 data bytes
64 bytes from cafe:2001:30::10: icmp_seq=1 ttl=62 time=32.0 ms
64 bytes from cafe:2001:30::10: icmp_seq=2 ttl=62 time=39.6 ms
^C
--- cafe:2001:30::10 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 32.020/35.805/39.591/3.785 ms
usuario@localhost:~>

```

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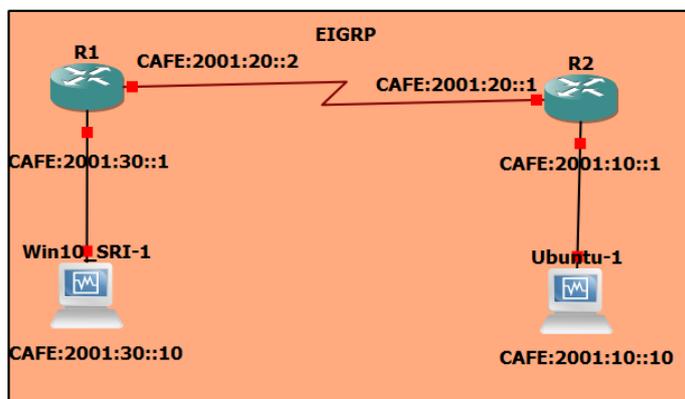
Comprobación Routers

```
Overview R4 R3 +
R3#ping CAFE:2001:10::10
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to CAFE:2001:10::10, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 20/26/44 ms
R3#
R3#
R3#
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Overview R4 R3 +
R4#ping CAFE:2001:30::10
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to CAFE:2001:30::10, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 20/28/56 ms
R4#
R4#
R4#
Miguelillo
```

c)EIGRP

Escenario



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Configuración R1

```

R1
R2
R1(config)#interface FastEthernet 0/0
R1(config-if)#ipv6 address CAFE:2001:30::1/64
R1(config-if)#no shutdown
R1(config-if)#interface Se1/0
R1(config-if)#ipv6 address CAFE:2001:20::2/64
R1(config-if)#no shutdown
R1(config-if)#exit
R1(config)#ipv6 unicast-routing
R1(config)#ipv6 router eigrp 1
R1(config-rtr)#no shutdown
R1(config-rtr)#eigrp router-id 1.1.1.1
R1(config-rtr)#interface FastEthernet 0/0
R1(config-if)#ipv6 eigrp 1
R1(config-if)#interface Serial 1/0
R1(config-if)#ipv6 eigrp 1
R1(config-if)#exit
R1(config)#do wr
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interface FastEthernet0/0
 no ip address
 duplex half
 ipv6 address CAFE:2001:30::1/64
 ipv6 eigrp 1
!
interface Serial1/0
 no ip address
 ipv6 address CAFE:2001:20::2/64
 ipv6 eigrp 1
 serial restart-delay 0
!
R1#show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
       B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
       H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
       IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
       ND - ND Default, NDp - ND Prefix, DCE - Destination, NDR - Redirect
       O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
       ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, L - LISP
D CAFE:2001:10::/64 [90/2172416]
  via FE80::C802:3CFF:FED8:0, Serial1/0
C CAFE:2001:20::/64 [0/0]
  via Serial1/0, directly connected
L CAFE:2001:20::2/128 [0/0]
  via Serial1/0, receive
C CAFE:2001:30::/64 [0/0]
  via FastEthernet0/0, directly connected
L CAFE:2001:30::1/128 [0/0]
  via FastEthernet0/0, receive
L FF00::/8 [0/0]
  via Null0, receive
Miguelillo

```

Configuración R2

```

R1
R2
R2(config)#interface FastEthernet 0/0
R2(config-if)#ipv6 address CAFE:2001:10::1/64
R2(config-if)#no shutdown
R2(config-if)#interface Se1/0
R2(config-if)#ipv6 address CAFE:2001:20::1/64
R2(config-if)#no shutdown
R2(config-if)#exit
R2(config)#ipv6 unicast-routing
R2(config)#ipv6 router eigrp 1
R2(config-rtr)#no shutdown
R2(config-rtr)#eigrp router-id 2.2.2.2
R2(config-rtr)#interface FastEthernet 0/0
R2(config-if)#ipv6 eigrp 1
R2(config-if)#interface Se1/0
R2(config-if)#ipv6 eigrp 1
Miguelillo

```

```

R1
R2
Interface FastEthernet0/0
no ip address
duplex half
ipv6 address CAFE:2001:10::1/64
ipv6 eigrp 1
!
Interface Serial1/0
no ip address
ipv6 address CAFE:2001:20::1/64
ipv6 eigrp 1
serial restart-delay 0
!
R2#show ipv6 route
IPv6 Routing Table - default - 6 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
ND - ND Default, NDp - ND Prefix, DCE - Destination, NDR - Redirect
O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2, I - LISP
C CAFE:2001:10::/64 [0/0]
via FastEthernet0/0, directly connected
L CAFE:2001:10::1/128 [0/0]
via FastEthernet0/0, receive
C CAFE:2001:20::/64 [0/0]
via Serial1/0, directly connected
L CAFE:2001:20::1/128 [0/0]
via Serial1/0, receive
D CAFE:2001:30::/64 [90/2172416]
via FE80::C801:EFF:FE38:0, Serial1/0
L FF00::/8 [0/0]
via Null0, receive
Miguelillo

```

Comprobación Windows

```

Win10_SRI [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
Símbolo del sistema
Microsoft Windows [Versión 10.0.19044.1288]
(c) Microsoft Corporation. Todos los derechos reservados.
C:\Users\Usuario>ipconfig

Configuración IP de Windows

Adaptador de Ethernet Ethernet:

    Sufijo DNS específico para la conexión. . . :
    Dirección IPv6 . . . . . : cafe:2001:30::10
    Dirección IPv6 . . . . . : cafe:2001:30:0:d4bb:74a5:9d80:a007
    Dirección IPv6 temporal. . . . . : cafe:2001:30:0:ccc4:ac8a:8a6d:bfea
    Vínculo: dirección IPv6 local. . . : fe80::d4bb:74a5:9d80:a007%3
    Puerta de enlace predeterminada . . . . : cafe:2001:30::1
                                                fe80::c801:eff:fe38:0%3

C:\Users\Usuario>ping cafe:2001:10::10

Haciendo ping a cafe:2001:10::10 con 32 bytes de datos:
Respuesta desde cafe:2001:10::10: tiempo=84ms
Respuesta desde cafe:2001:10::10: tiempo=34ms
Respuesta desde cafe:2001:10::10: tiempo=37ms
Respuesta desde cafe:2001:10::10: tiempo=36ms

Estadísticas de ping para cafe:2001:10::10:
    Paquetes: enviados = 4, recibidos = 4, perdidos = 0
    (0% perdidos),
    tiempos aproximados de ida y vuelta en milisegundos:
Miguelillo

```

Comprobación Ubuntu

```

Ubuntu [Corriendo] - Oracle VM VirtualBox
Archivo  Máquina  Ver  Entrada  Dispositivos  Ayuda
Actividades  Terminal  25 de sep 19:04
usuario@usuario-miguel-SRI: ~
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
   link/ether 08:00:27:6d:84:a8 brd ff:ff:ff:ff:ff:ff
   inet6 cafe:2001:10::10/64 scope global noprefixroute
       valid_lft forever preferred_lft forever
   inet6 fe80::9664:4e6c:fb04:98fb/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
   link/ether 52:54:00:bb:f7:2c brd ff:ff:ff:ff:ff:ff
   inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
       valid_lft forever preferred_lft forever
usuario@usuario-miguel-SRI:~$ ping cafe:2001:30::10
PING cafe:2001:30::10(cafe:2001:30::10) 56 data bytes
64 bytes from cafe:2001:30::10: icmp_seq=1 ttl=62 time=36.3 ms
64 bytes from cafe:2001:30::10: icmp_seq=2 ttl=62 time=41.4 ms
^C
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```

Comprobación Routers

```

R1#ping CAFE:2001:10::10
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to CAFE:2001:10::10, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 20/28/32 ms
R1#
R1#
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R2#ping CAFE:2001:30::10
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to CAFE:2001:30::10, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 28/29/32 ms
R2#
R2#
R2#
Miguelillo

```

