PC1:

Connection-specific DNS Suffix..:

Physical Address................: 0030.A39D.89B8

Link-local IPv6 Address.........: FE80::230:A3FF:FE9D:89B8

IPv6 Address....................: ::

IPv4 Address....................: 10.10.1.98

Subnet Mask.....................: 255.255.255.224

Default Gateway.................: ::

10.10.1.97

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-B2-33-AD-8B-00-30-A3-9D-89-B8

DNS Servers.....................: ::

0.0.0.0

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 00E0.F936.C115

Link-local IPv6 Address.........: ::

PC3:

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 0001.4292.5991

Link-local IPv6 Address.........: FE80::201:42FF:FE92:5991

IPv6 Address....................: ::

IPv4 Address....................: 10.10.1.18

Subnet Mask.....................: 255.255.255.240

Default Gateway.................: ::

10.10.1.17

DHCP Servers....................: 0.0.0.0

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-82-76-04-5A-00-01-42-92-59-91

DNS Servers.....................: ::

0.0.0.0

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 0030.A344.CC66

Link-local IPv6 Address.........: ::

--More—

R1

R1>show ip interface brief

Interface IP-Address OK? Method Status Protocol

GigabitEthernet0/0 unassigned YES unset up up

GigabitEthernet0/1 10.10.1.97 YES manual up up

Serial0/0/0 unassigned YES unset administratively down down

Serial0/0/1 10.10.1.6 YES manual up up

Vlan1 unassigned YES unset administratively down down

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, 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

10.0.0.0/8 is variably subnetted, 4 subnets, 3 masks

C 10.10.1.4/30 is directly connected, Serial0/0/1

L 10.10.1.6/32 is directly connected, Serial0/0/1

C 10.10.1.96/27 is directly connected, GigabitEthernet0/1

L 10.10.1.97/32 is directly connected, GigabitEthernet0/1

R2

R2>show ip interface brief

Interface IP-Address OK? Method Status Protocol

GigabitEthernet0/0 unassigned YES unset administratively down down

GigabitEthernet0/1 unassigned YES unset administratively down down

Serial0/0/0 10.10.1.2 YES manual up up

Serial0/0/1 10.10.1.9 YES manual up up

Vlan1 unassigned YES unset administratively down down

R2>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, 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

10.0.0.0/8 is variably subnetted, 5 subnets, 3 masks

C 10.10.1.0/30 is directly connected, Serial0/0/0

L 10.10.1.2/32 is directly connected, Serial0/0/0

C 10.10.1.8/30 is directly connected, Serial0/0/1

L 10.10.1.9/32 is directly connected, Serial0/0/1

D 10.10.1.16/28 [90/2170112] via 10.10.1.10, 00:03:05, Serial0/0/1

R3

R3>show ip interface brief

Interface IP-Address OK? Method Status Protocol

GigabitEthernet0/0 unassigned YES unset up up

GigabitEthernet0/1 10.10.1.17 YES manual up up

Serial0/0/0 unassigned YES unset administratively down down

Serial0/0/1 10.10.1.10 YES manual up up

Vlan1 unassigned YES unset administratively down down

R3>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, 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

10.0.0.0/8 is variably subnetted, 4 subnets, 3 masks

C 10.10.1.8/30 is directly connected, Serial0/0/1

L 10.10.1.10/32 is directly connected, Serial0/0/1

C 10.10.1.16/28 is directly connected, GigabitEthernet0/1

L 10.10.1.17/32 is directly connected, GigabitEthernet0/1

IPv6

PC2

C:\>ipv6config /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 0003.E482.3B3A

Link-local IPv6 Address.........: FE80::203:E4FF:FE82:3B3A

IPv6 Address....................: 2001:DB8:1:1::2

Default Gateway.................: FE80::1

DNS Servers.....................: ::

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-15-A9-3E-85-00-03-E4-82-3B-3A

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 0090.2137.525B

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

Default Gateway.................: ::

DNS Servers.....................: ::

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-15-A9-3E-85-00-03-E4-82-3B-3A

PC4

C:\>ipv6config /all

FastEthernet0 Connection:(default port)

Connection-specific DNS Suffix..:

Physical Address................: 0001.648D.E308

Link-local IPv6 Address.........: FE80::201:64FF:FE8D:E308

IPv6 Address....................: 2001:DB8:1:4::2

Default Gateway.................: FE80::2

DNS Servers.....................: ::

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-54-60-98-B7-00-01-64-8D-E3-08

Bluetooth Connection:

Connection-specific DNS Suffix..:

Physical Address................: 0010.119A.2029

Link-local IPv6 Address.........: ::

IPv6 Address....................: ::

Default Gateway.................: ::

DNS Servers.....................: ::

DHCPv6 IAID.....................:

DHCPv6 Client DUID..............: 00-01-00-01-54-60-98-B7-00-01-64-8D-E3-08

R1

R1>show ipv6 interface brief

GigabitEthernet0/0 [up/up]

FE80::1

2001:DB8:1:1::1

GigabitEthernet0/1 [up/up]

unassigned

Serial0/0/0 [administratively down/down]

unassigned

Serial0/0/1 [up/up]

FE80::1

2001:DB8:1:2::2

Vlan1 [administratively down/down]

Unassigned

R2

R2>show ipv6 interface brief

GigabitEthernet0/0 [administratively down/down]

unassigned

GigabitEthernet0/1 [administratively down/down]

unassigned

Serial0/0/0 [up/up]

FE80::2

2001:DB8:1:2::1

Serial0/0/1 [up/up]

FE80::2

2001:DB8:1:3::1

Vlan1 [administratively down/down]

Unassigned

R3

R3>show ipv6 interface brief

GigabitEthernet0/0 [up/up]

FE80::3

2001:DB8:1:4::1

GigabitEthernet0/1 [up/up]

unassigned

Serial0/0/0 [administratively down/down]

unassigned

Serial0/0/1 [up/up]

FE80::3

2001:DB8:1:3::2

Vlan1 [administratively down/down]

unassigned