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R1#sh ipv6 route static
IPv6 Routing Table - default - 9 entries
S 2803:6000:4::/48 [1/0]
  via 2803:6000:3::2, GigabitEthernet1/14

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R1#sh ipv6 route
C 2803:6000:1::/48 [0/0]
  via Loopback10, directly connected
L 2803:6000:1::1/128 [0/0]
  via Loopback10, receive
C 2803:6000:2::/64 [0/0]
  via GigabitEthernet1/24, directly connected
L 2803:6000:2::1/128 [0/0]
  via GigabitEthernet1/24, receive
C 2803:6000:3::/64 [0/0]
  via GigabitEthernet1/14, directly connected
L 2803:6000:3::1/128 [0/0]
  via GigabitEthernet1/14, receive
S 2803:6000:4::/48 [1/0]
  via 2803:6000:3::2, GigabitEthernet1/14
I2 2803:6000:253::/48 [115/100]
  via FE80::227:CFF:FE55:7C1B, GigabitEthernet1/24
L FF00::/8 [0/0]
  via Null0, receive

```

IPv6 route 2803:6000:4::/48 gi 1/14 2803:6000:3::2

Int lo 10
2803:6000:1::/48



gi 1/14

2803:6000:3::1

R1

ADVENTK9, Version 15.2(2)S
7606-S, w RSP720

ping with static routes

IPv6 route 2803:6000:1::/48 gi 1/1/1 2803:6000:3::1

Int lo 10
2803:6000:4::/48



gi 1/1/1

2803:6000:3::2

R2

C3750ME-I5K91-M, Version 12.2(58)SE2
3750-ME

R1#sh ipv6 int gi 1/14

GigabitEthernet1/14 is up, line protocol is up
IPv6 is enabled, link-local address is
FE80::223:4FF:FE17:9780

No Virtual link-local address(es):
Global unicast address(es):
2803:6000:3::1, subnet is 2803:6000:3::/64

Joined group address(es):
FF02::1
FF02::2
FF02::1:FF00:1
FF02::1:FF17:9780

MTU is 1600 bytes
ICMP error messages limited to one every 100 milliseconds
ICMP redirects are enabled
ICMP unreachable are sent
Output features: HW Shortcut Installation
Post_Encap features: HW shortcut
ND DAD is enabled, number of DAD attempts: 1
ND reachable time is 30000 milliseconds (using 30000)
ND advertised reachable time is 0 (unspecified)
ND advertised retransmit interval is 0 (unspecified)
ND router advertisements are sent every 200 seconds
ND router advertisements live for 1800 seconds
ND advertised default router preference is Medium
Hosts use stateless autoconfig for addresses.

R2#sh ipv6 route static

IPv6 Routing Table - default - 8 entries
S 2803:6000:1::/48 [1/0]
 via 2803:6000:3::1, GigabitEthernet1/1/1

R2#sh ipv6 route

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S 2803:6000:1::/48 [1/0]
  via 2803:6000:3::1, GigabitEthernet1/1/1
C 2803:6000:3::/64 [0/0]
  via GigabitEthernet1/1/1, directly connected
L 2803:6000:3::2/128 [0/0]
  via GigabitEthernet1/1/1, receive
C 2803:6000:4::/48 [0/0]
  via Loopback10, directly connected
L 2803:6000:4::1/128 [0/0]
  via Loopback10, receive
C 2803:6000:10::/48 [0/0]
  via Loopback11, directly connected
L 2803:6000:10::1/128 [0/0]
  via Loopback11, receive
L FF00::/8 [0/0]
  via Null0, receive

```

R2#sh ipv6 int gi 1/1/1

GigabitEthernet1/1/1 is up, line protocol is up
IPv6 is enabled, link-local address is FE80::226:99FF:FEFD:3152

No Virtual link-local address(es):
Global unicast address(es):
2803:6000:3::2, subnet is 2803:6000:3::/64

Joined group address(es):
FF02::1
FF02::2
FF02::1:FF00:2
FF02::1:FFFD:3152

MTU is 1600 bytes
ICMP error messages limited to one every 100 milliseconds
ICMP redirects are enabled
ICMP unreachable are sent
Output features: Check hwidb
ND DAD is enabled, number of DAD attempts: 1
ND reachable time is 30000 milliseconds (using 30000)
ND advertised reachable time is 0 (unspecified)
ND advertised retransmit interval is 0 (unspecified)
ND router advertisements are sent every 200 seconds
ND router advertisements live for 1800 seconds
ND advertised default router preference is Medium
Hosts use stateless autoconfig for addresses.