

## **R1 hostname**

```
ipv6 unicast-routing
!
interface Ethernet0/0
  no ip address
  half-duplex
  ipv6 address FD03:1:1:1::1/64
  ipv6 address FE80::1 link-local
  ipv6 enable
!
interface FastEthernet0/0
  no ip address
  speed auto
  ipv6 address FD03:1:1:9::1/64
  ipv6 address FE80::1 link-local
  ipv6 enable
!
interface Ethernet1/0
  no ip address
  half-duplex
  ipv6 address FD03:1:1:4::1/64
  ipv6 address FE80::1 link-local
  ipv6 enable
!
ipv6 route FD03:1:1:2::/64 Ethernet1/0 FE80::3
ipv6 route FD03:1:1:3::/64 Ethernet1/0 FE80::3
ipv6 route FD03:1:1:5::/64 Ethernet1/0 FE80::3
ipv6 route FD03:1:1:6::/64 FastEthernet0/0 FE80::7
ipv6 route FD03:1:1:7::/64 Ethernet1/0 FE80::3
ipv6 route ::/0 FastEthernet0/0 FE80::7
```

## **R2 hostname**

```
ipv6 unicast-routing
!
interface Ethernet0/0
  no ip address
  half-duplex
  ipv6 address FD03:1:1:3::2/64
  ipv6 address FE80::2 link-local
  ipv6 enable
!
interface FastEthernet0/0
  no ip address
  speed auto
  ipv6 address FD03:1:1:7::2/64
  ipv6 address FE80::2 link-local
  ipv6 enable
  ipv6 nd dad attempts 2
!
interface Ethernet1/0
```

```
no ip address
half-duplex
ipv6 address FD03:1:1:2::2/64
ipv6 address FE80::2 link-local
ipv6 enable
!
ip classless
no ip http server
!
ipv6 route FD03:1:1:4::/64 Ethernet0/0 FE80::3
ipv6 route FD03:1:1:9::/64 Ethernet0/0 FE80::3
ipv6 route FD03:1:1:A::/64 Ethernet0/0 FE80::3
ipv6 route ::/0 Ethernet1/0 FE80::5
```

### **R3 hostname**

```
ipv6 unicast-routing
!
interface Ethernet0/0
no ip address
half-duplex
ipv6 address FD03:1:1:3::3/64
ipv6 address FE80::3 link-local
ipv6 enable
!
interface FastEthernet0/0
no ip address
speed auto
ipv6 address FD03:1:1:5::3/64
ipv6 address FE80::3 link-local
ipv6 enable
!
interface Ethernet1/0
no ip address
half-duplex
ipv6 address FD03:1:1:4::3/64
ipv6 address FE80::3 link-local
ipv6 enable
!
ipv6 route FD03:1:1:2::/64 FastEthernet0/0 FE80::5
ipv6 route FD03:1:1:7::/64 FastEthernet0/0 FE80::5
ipv6 route ::/0 Ethernet1/0 FE80::1
```

### **R4 hostname**

```
ipv6 unicast-routing
!
interface Loopback0
no ip address
ipv6 address 2A00:C820:A000::/64
ipv6 enable
```

```
!  
interface Tunnel0  
  no ip address  
  no ip redirects  
  ipv6 address 2002:D284:BB82:3::2/64  
  tunnel source FastEthernet0/0  
  tunnel mode ipv6ip 6to4  
!  
interface Ethernet0/0  
  no ip address  
  shutdown  
  half-duplex  
!  
interface FastEthernet0/0  
  ip address 210.132.187.130 255.255.255.128  
  speed auto  
!  
interface Ethernet1/0  
  no ip address  
  shutdown  
  half-duplex  
!  
ipv6 route ::/0 Tunnel0 2002:D284:BB81:3::1
```

## **R5 hostname**

```
ipv6 unicast-routing  
!  
interface Ethernet0/0  
  no ip address  
  half-duplex  
  ipv6 address FD03:1:1:6::5/64  
  ipv6 address FE80::5 link-local  
  ipv6 enable  
!  
interface FastEthernet0/0  
  no ip address  
  speed auto  
  ipv6 address FD03:1:1:5::5/64  
  ipv6 address FE80::5 link-local  
  ipv6 enable  
!  
interface Ethernet1/0  
  no ip address  
  half-duplex  
  ipv6 address FD03:1:1:2::5/64  
  ipv6 address FE80::5 link-local  
  ipv6 enable  
!  
ipv6 route FD03:1:1:7::/64 Ethernet1/0 FE80::2  
ipv6 route FD03:1:1:A::/64 Ethernet0/0 FE80::7
```

```
ipv6 route ::/0 FastEthernet0/0 FE80::3
```

## **R6 hostname**

```
interface Loopback0
  no ip address
  ipv6 address 2A00:C820:B000::/64
  ipv6 enable
!
interface Ethernet0/0
  no ip address
  half-duplex
  ipv6 address FE80::6 link-local
  ipv6 address autoconfig
  ipv6 enable
!
interface FastEthernet0/0
  no ip address
  speed auto
  ipv6 address FE80::6 link-local
  ipv6 address autoconfig
  ipv6 enable
!
interface Ethernet1/0
  no ip address
  half-duplex
  ipv6 address FE80::6 link-local
  ipv6 address autoconfig
  ipv6 enable
```

## **R7 hostname**

```
ipv6 unicast-routing
!
interface Ethernet0/0
  no ip address
  half-duplex
  ipv6 address FD03:1:1:A::7/64
  ipv6 address FE80::7 link-local
  ipv6 enable
!
interface FastEthernet0/0
  no ip address
  speed auto
  ipv6 address FD03:1:1:9::7/64
  ipv6 address FE80::7 link-local
  ipv6 enable
!
interface Ethernet1/0
  no ip address
  half-duplex
  ipv6 address FD03:1:1:8::7/64
  ipv6 address FE80::7 link-local
```

```
ipv6 enable
!
ipv6 route FD03:1:1:1::/64 FastEthernet0/0 FE80::1
ipv6 route FD03:1:1:2::/64 FastEthernet0/0 FE80::1
ipv6 route FD03:1:1:3::/64 FastEthernet0/0 FE80::1
ipv6 route FD03:1:1:4::/64 FastEthernet0/0 FE80::1
ipv6 route FD03:1:1:5::/64 FastEthernet0/0 FE80::1
ipv6 route FD03:1:1:6::/64 Ethernet0/0 FE80::8
ipv6 route FD03:1:1:7::/64 FastEthernet0/0 FE80::1
ipv6 route ::/0 Ethernet0/0 FE80::8
```

## **R8 hostname**

```
ipv6 unicast-routing
!
interface Tunnel0
no ip address
no ip redirects
ipv6 address 2002:D284:BB81:3::1/64
tunnel source FastEthernet0/0
tunnel mode ipv6ip 6to4
!
interface Ethernet0/0
no ip address
half-duplex
ipv6 address FD03:1:1:A::8/64
ipv6 address FE80::8 link-local
ipv6 enable
!
interface FastEthernet0/0
ip address 210.132.187.129 255.255.255.128
speed auto
!
interface Ethernet1/0
no ip address
half-duplex
ipv6 address FD03:1:1:6::8/64
ipv6 address FE80::8 link-local
ipv6 enable
!
ipv6 route FD03:1:1:1::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:2::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:3::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:4::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:5::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:6::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:8::/64 Ethernet0/0 FE80::7
ipv6 route FD03:1:1:9::/64 Ethernet0/0 FE80::7
ipv6 route ::/0 Tunnel0 2002:D284:BB82:3::2
```