

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

1::10 / 64

Link Local Address

FE80::2E0:F7FF:FE72:2988

Default Gateway

1::1

DNS Server

☐ Automatic

☒ Static

IPv6 Address

4::10 / 64

Link Local Address

FE80::2D0:D3FF:FE41:D087

Default Gateway

4::1

DNS Server

```
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ipv6 unicast-routing
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 address 1::1/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Router(config-if)#exit
Router(config)#interface fastEthernet 0/1
Router(config-if)#ipv6 address 2::1/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
changed state to up

Router(config-if)#exit
Router(config)#exit
```

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```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ipv6 unicast-routing
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 address 2::/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Router(config-if)#exit
Router(config)#exit
Router#
```

```
Router#en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface fastEthernet 0/1
Router(config-if)#ipv6 address 3::1/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wn
```

```
Router>en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ipv6 unicast-routing
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 address 4::1/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Router(config-if)#exit
Router(config)#interface fastEthernet 0/1
Router(config-if)#ipv6 address 3::2/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
changed state to up

Router(config-if)#exit
```

```
Router#en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ipv6 router eigrp 50
Router(config-rtr)#eigrp router-id 192.168.1.1
Router(config-rtr)#no shutdown
Router(config-rtr)#exit
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 eigrp 50
Router(config-if)#interface fastEthernet 0/1
Router(config-if)#ipv6 eigrp 50
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Router#
%DUAL-5-NBRCHANGE: IPv6-EIGRP 50: Neighbor FE80::20C:
85FF:FE25:201 (FastEthernet0/1) is up: new adjacency
```

```
Router#en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ipv6 router eigrp 50
Router(config-rtr)#eigrp router-id 192.168.1.2
Router(config-rtr)#no shutdown
Router(config-rtr)#exit
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 eigrp 50
Router(config-if)#
%DUAL-5-NBRCHANGE: IPv6-EIGRP 50: Neighbor
FE80::201:64FF:FE45:A202 (FastEthernet0/0) is up: new adjacency

Router(config-if)#interface fastEthernet 0/1
Router(config-if)#ipv6 eigrp 50
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Router#
```



```
Router#en
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#ipv6 router eigrp 50
Router(config-rtr)#eigrp router-id 192.168.1.3
Router(config-rtr)#no shutdown
Router(config-rtr)#exit
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 eigrp 50
Router(config-if)#interface fastEthernet 0/1
Router(config-if)#ipv6 eigrp 50
Router(config-if)#
%DUAL-5-NBRCHANGE: IPv6-EIGRP 50: Neighbor FE80::20C:
85FF:FE25:202 (FastEthernet0/1) is up: new adjacency

Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Router#
```

```
C:\>ping 4::10
```

```
Pinging 4::10 with 32 bytes of data:
```

```
Reply from 4::10: bytes=32 time<1ms TTL=125
```

```
Reply from 4::10: bytes=32 time<1ms TTL=125
```

```
Reply from 4::10: bytes=32 time<1ms TTL=125
```

```
Reply from 4::10: bytes=32 time<1ms TTL=125
```

```
Ping statistics for 4::10:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```