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		

802.1X

```
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
```

Copy   Past

```
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#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 ospf 10
%OSPFv3-4-NORTRID: OSPFv3 process 10 could not pick a router-
id,please configure manually
Router(config-rtr)#router-id 192.168.1.1
Router(config-rtr)#exit
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 ospf 10 area 0
Router(config-if)#interface fastEthernet 0/1
Router(config-if)#ipv6 ospf 10 area 0
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
wr
Building configuration...
[OK]
Router#
02:23:41: %OSPFv3-5-ADJCHG: Process 10, Nbr 192.168.1.2 on
FastEthernet0/1 from LOADING to FULL, Loading Done
```

```
Router#en
Router#conf
Configuring from terminal, memory, or network [terminal]
Enter configuration commands, one per line.  End with CN
Router(config)#ipv6 router ospf 10
%OSPFv3-4-NORTRID: OSPFv3 process 10 could not pick a ro
id,please configure manually
Router(config-rtr)#router-id 192.168.1.2
Router(config-rtr)#exit
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 ospf 10 area 0
Router(config-if)#interface fastEthernet 0/0
02:47:16: %OSPFv3-5-ADJCHG: Process 10, Nbr 192.168.1.1
FastEthernet0/0 from LOADexit
Router(config)#interface fastEthernet 0/1
Router(config-if)#ipv6 ospf 10 area 0
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 ospf 10
%OSPFv3-4-NORTRID: OSPFv3 process 10 could not pick a router-
id,please configure manually
Router(config-rtr)#router-id 192.168.1.3
Router(config-rtr)#exit
Router(config)#interface fastEthernet 0/0
Router(config-if)#ipv6 ospf 10 area 0
Router(config-if)#interface fastEthernet 0/1
Router(config-if)#ipv6 ospf 10 area 0
Router(config-if)#exi
02:14:32: %OSPFv3-5-ADJCHG: Process 10, Nbr 192.168.1.2 on
FastEthernet0/1 from LOADING to FULL, Loading Done
t
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#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
```

```
C:\>ping 1::10

Pinging 1::10 with 32 bytes of data:

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

Ping statistics for 1::10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```