

Configuring IPv6 Routes

CIT 167

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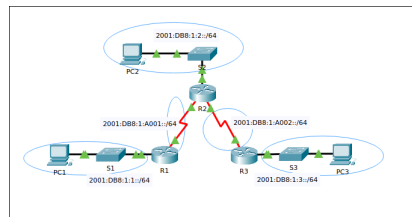
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Part 1: Examine the Network

i) a

There are 5 networks connected in the current topology



(a) Topology

Figure 1: Topology of the Network

ii) b

In Fig 1 we can see the R1 and R3 each have two connected networks, and that R2 has three connected networks.

iii) c

ipv6 route [then we specify the network, and prefix] then we say either [next hop address or exit interface]

Part 2: Configure IPv6 static and default routes

```

R1>ena
R1#config t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#ipv6 unicast-routing
R1(config)#
  
```

(a) R1 Enable

```

R2>ena
R2#config t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#ipv6 unicast-routing
R2(config)#
  
```

(b) R2 Enable

```

R3>ena
R3#
R3#
R3#ena
R3#
R3#
R3#
R3#config t
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#ipv6 unicast-routing
R3(config)#
  
```

(c) R3 Enable

Figure 2: Enabling IPv6