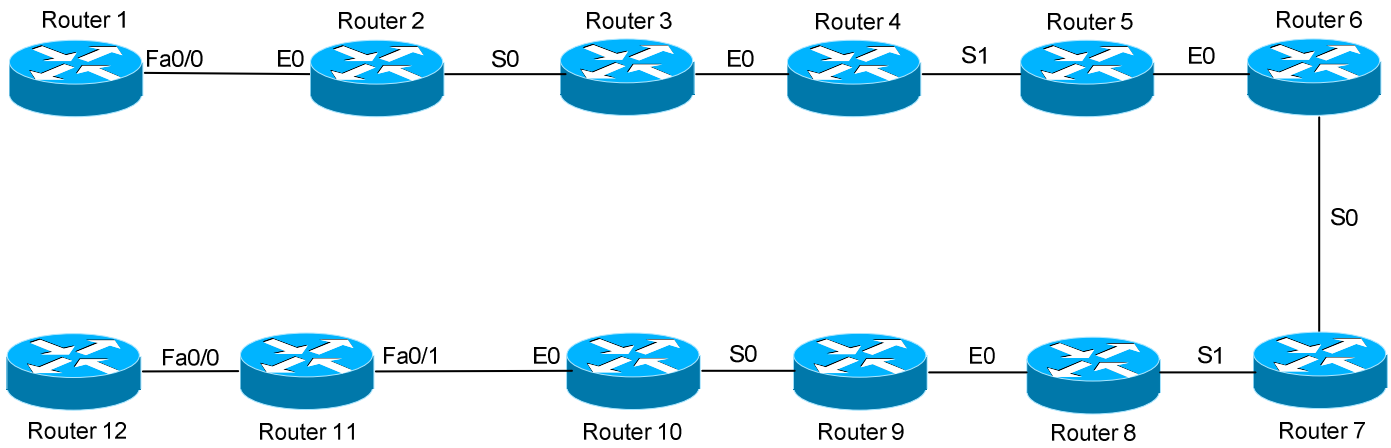
- Basic Static Routing Lab -

Basic Static Routing – Lab



Basic Objectives:

1. Configure and cable the Serial/Ethernet interfaces as indicated in the above diagram.
2. Configure the IP addresses on the routers using the following 192.168.YY.x/24 scheme:

Router 1 – 2 = 192.168.12.x	Router 7 – 8 = 192.168.78.x
Router 2 – 3 = 192.168.23.x	Router 8 – 9 = 192.168.89.x
Router 3 – 4 = 192.168.34.x	Router 9 – 10 = 192.168.109.x
Router 4 – 5 = 192.168.45.x	Router 10 – 11 = 192.168.101.x
Router 5 – 6 = 192.168.56.x	Router 11 – 12 = 192.168.112.x
Router 6 – 7 = 192.168.67.x	

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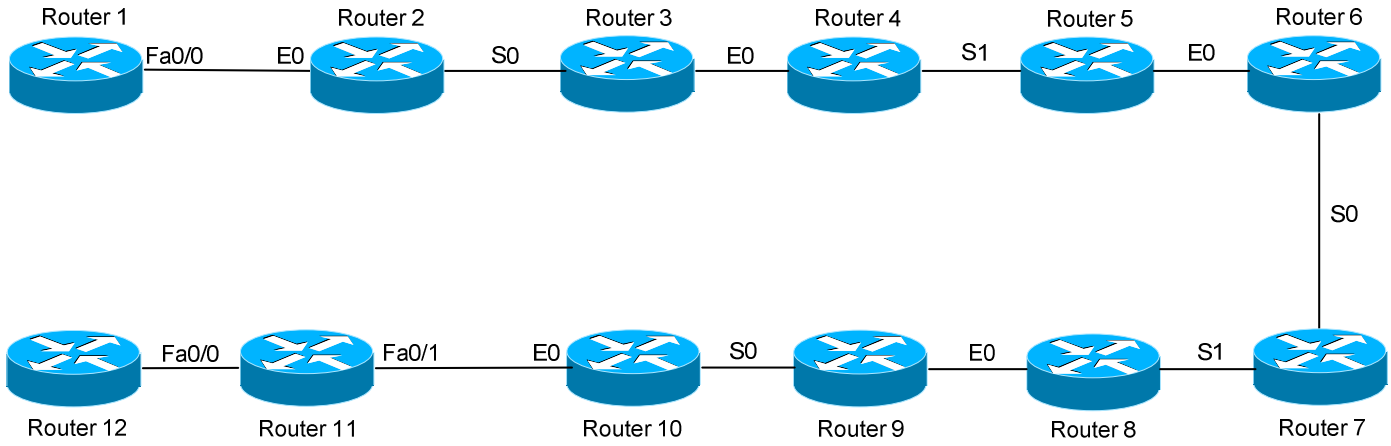
Static Routing – Lab (continued)



Static Routing Objectives:

1. Can you ping the routers directly connected to you? Why or why not?

_____
_____
_____
_____

2. Can you ping any router *not* directly connected to you? Why or why not?

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_____
_____
_____
_____

3. View your current routing table. What command did you use? What is displayed?

_____
_____
_____
_____
_____

* * *

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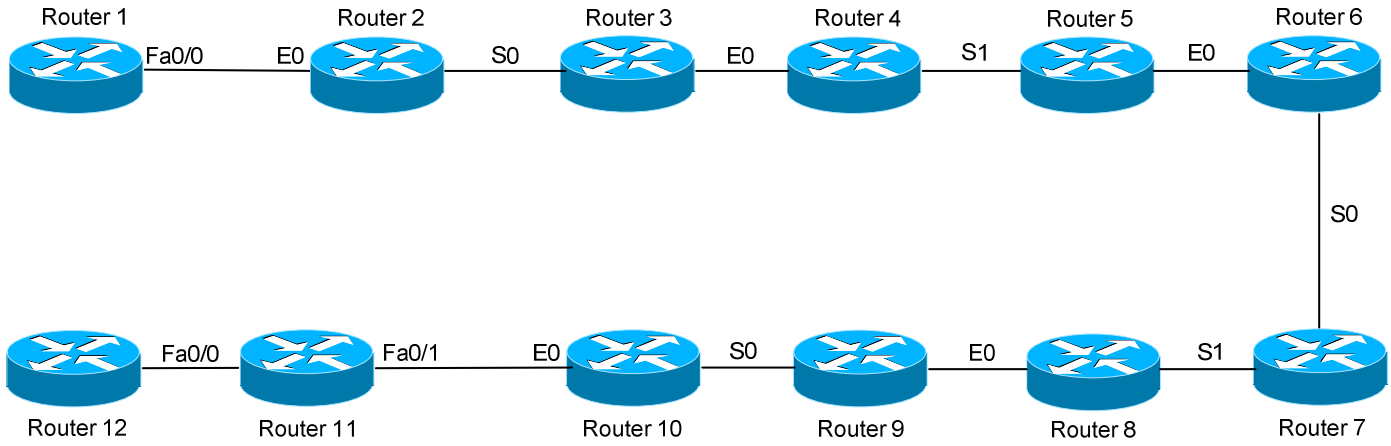

4. Configure end-to-end connectivity using static routes. What commands did you use to accomplish this?

5. Can you now ping every router not directly connected to you? Why or why not?

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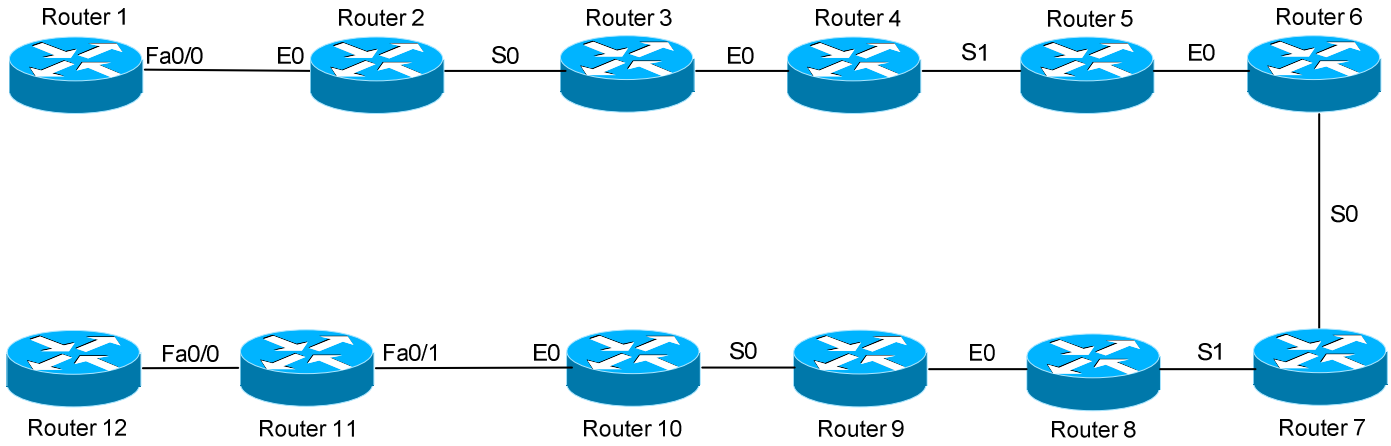

6. Perform a traceroute from your router to the furthest router from you. What were the results?

7. View the routing table again. Now what does it show?

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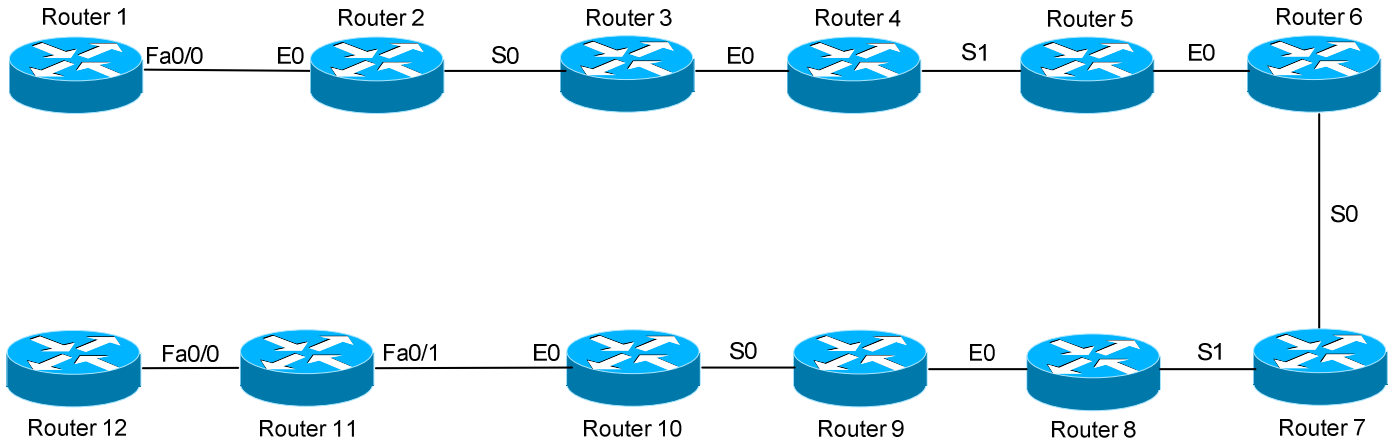

8. Unplug one of the cables from your router (either Ethernet or Serial). View your routing table again. Has anything changed? Why or why not?

_____

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9. Save the configuration. What command did you use?

_____

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_____

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* * *

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