Expt. 4
Router configuration using CLI

192.168.3.1

192.168.3.2

192.168.1.2

Fa1/0

192.168.2.2

Fa0/0

Fa1/0

Fa0/0

Router-PT
Router0

192.168.3.0

Router-PT
Router1

192.168.2.0

Fa0

PC-PT
192.168.2.1

192.168.1.0

Fa0

PC-PT
192.168.1.1
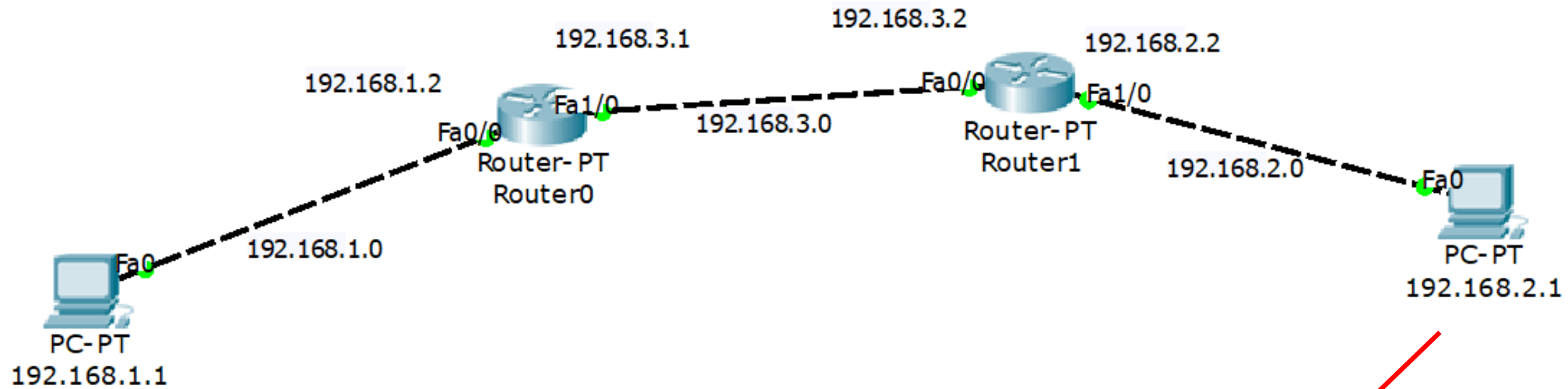
192.168.1.1

IP Configuration

IP Configuration
○ DHCP   ◉ Static

IP Address   192.168.1.1
Subnet Mask   255.255.255.0
Default Gateway   192.168.1.2
DNS Server

192.168.2.2

Fa1/0

Web
Browser

c

192.168.2.1
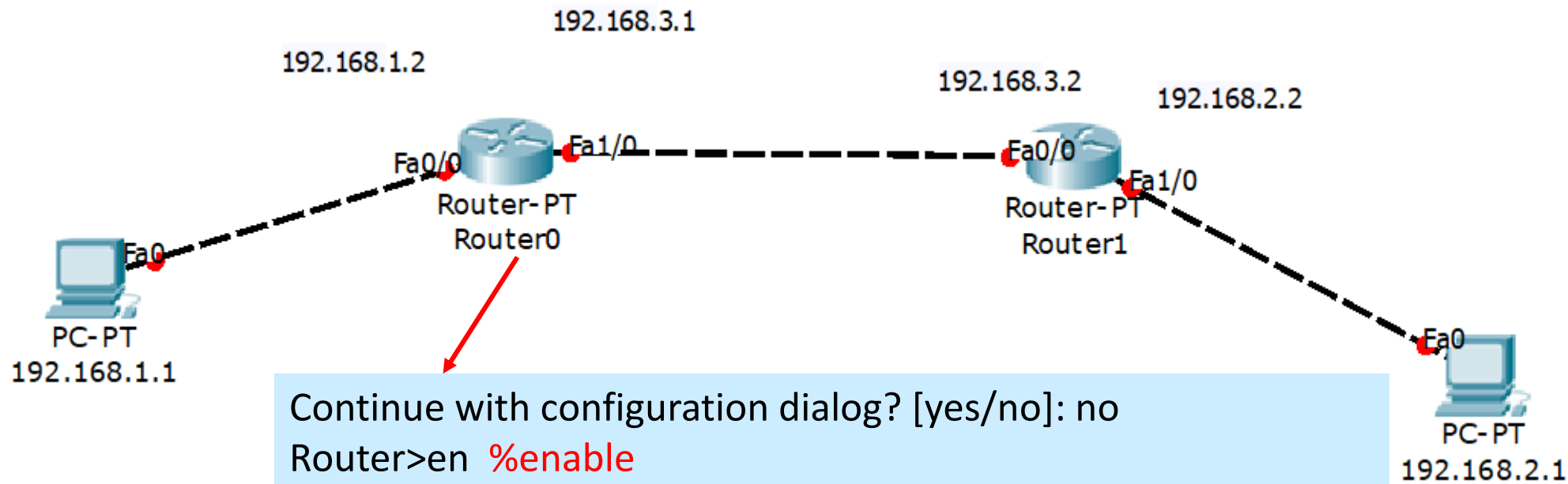255.255.255.0
192.168.2.2

Fa0

PC-PT
192.168.2.1

nfig ◉ Static

Cisco IP
ommunicato

192.168.3.1

192.168.1.2

192.168.3.2

192.168.2.2

Fa1/0
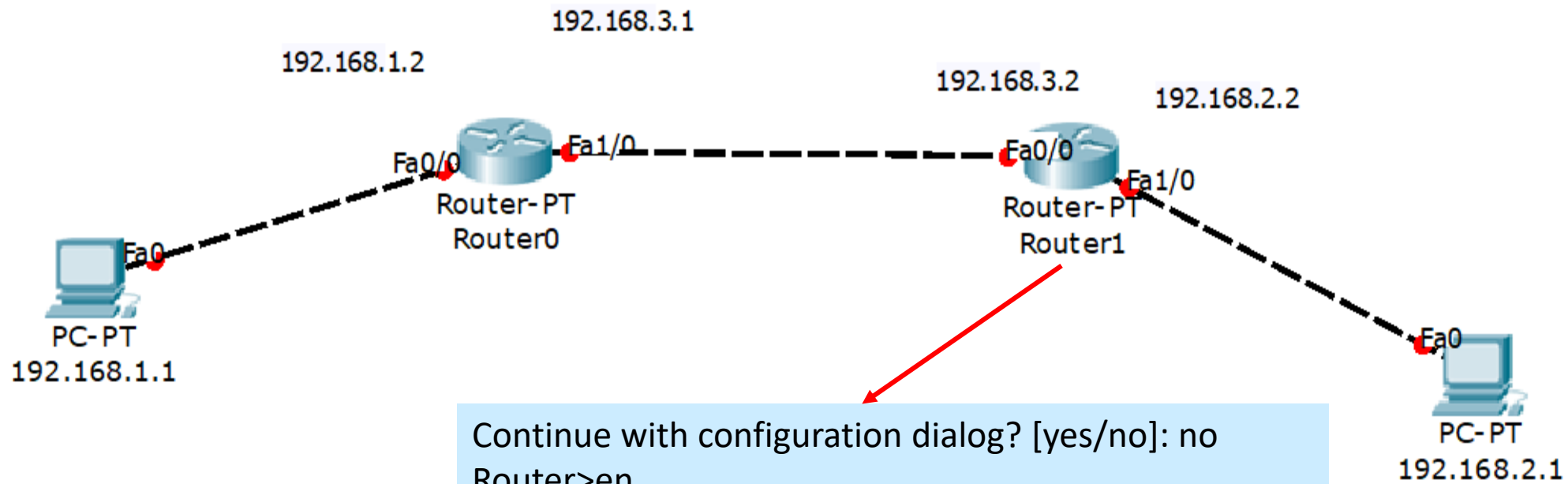
Fa0/0

Fa0/0

Router-PT
Router0
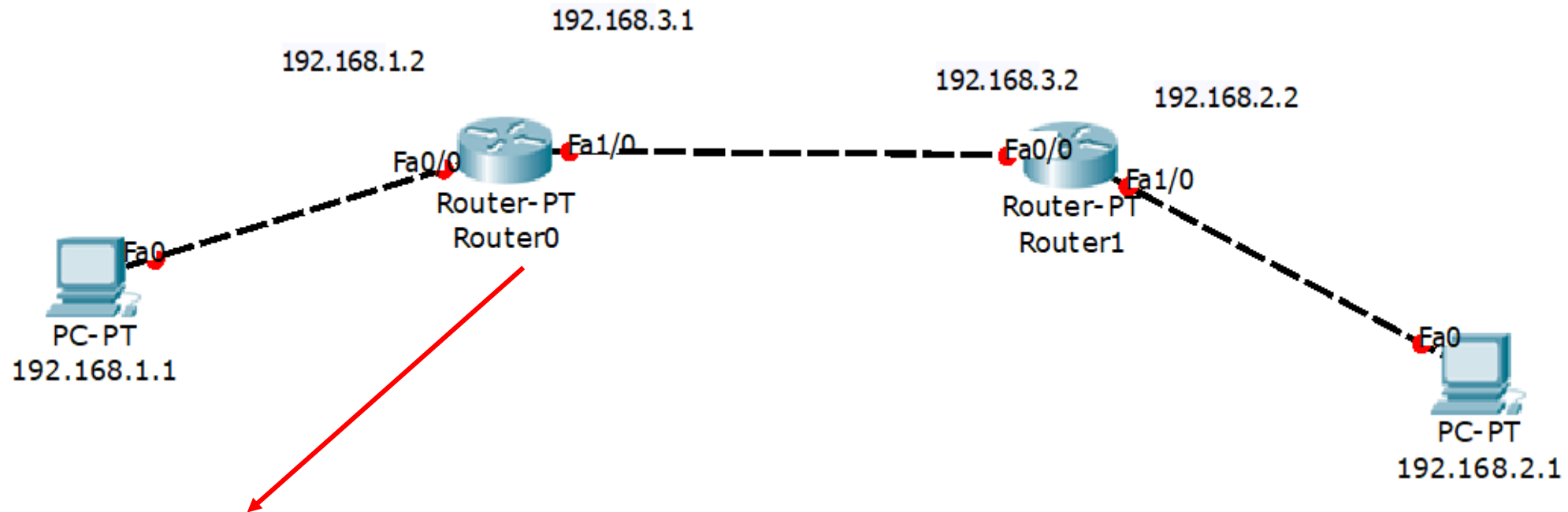
Fa1/0

Router-PT
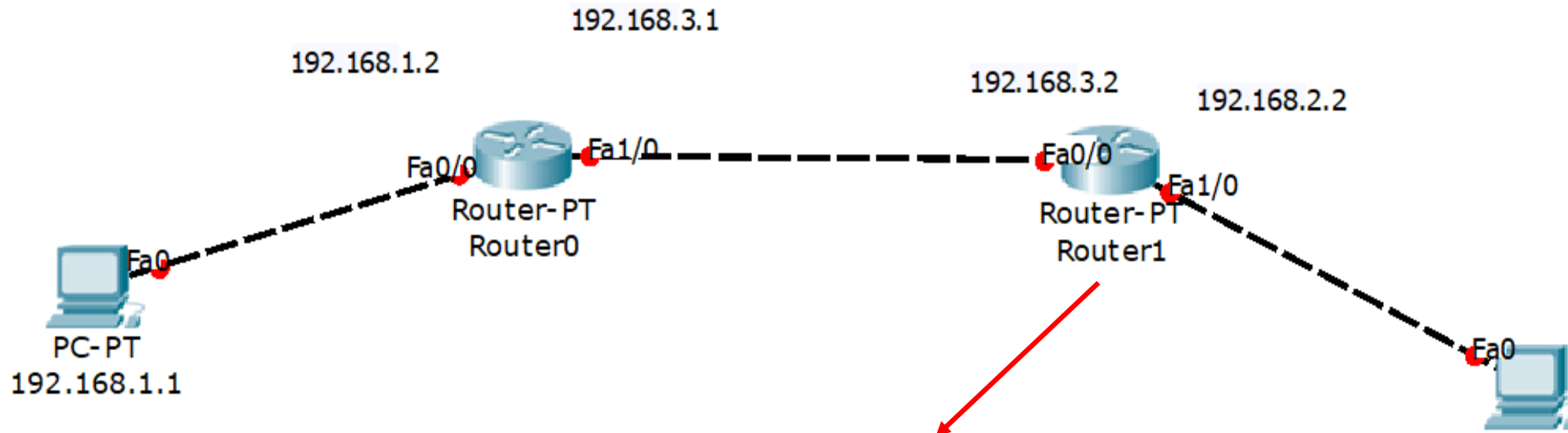Router1

Fa0

PC-PT

192.168.1.1

Fa0

PC-PT

192.168.2.1

Continue with configuration dialog? [yes/no]: no
Router>en %enable
Router#conf t %configure terminal
Router(config)#int fa0/0 %interface fa0/0
Router(config-if)#ip add 192.168.1.2 255.255.255.0
Router(config-if)#no shut %no shutdown i.e. make the port on
Router(config-if)#
Router(config-if)#exit
Router(config)#int fa1/0
Router(config-if)#ip add 192.168.3.1 255.255.255.0
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#exit
Router#

192.168.3.1

192.168.1.2

192.168.3.2

192.168.2.2

Fa0/0 ──── Fa1/0 ─ ─ ─ ─ ─ ─ ─ ─ ─ Fa0/0
Router-PT   Fa1/0
Router0   Router-PT
                                  Router1

Fa0

PC-PT
192.168.1.1

PC-PT
192.168.2.1
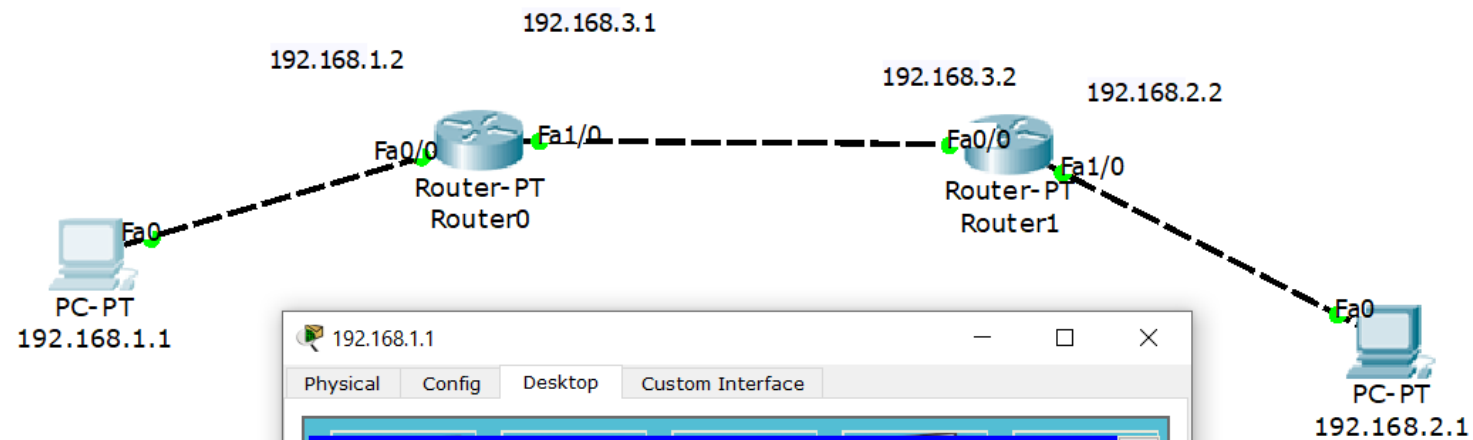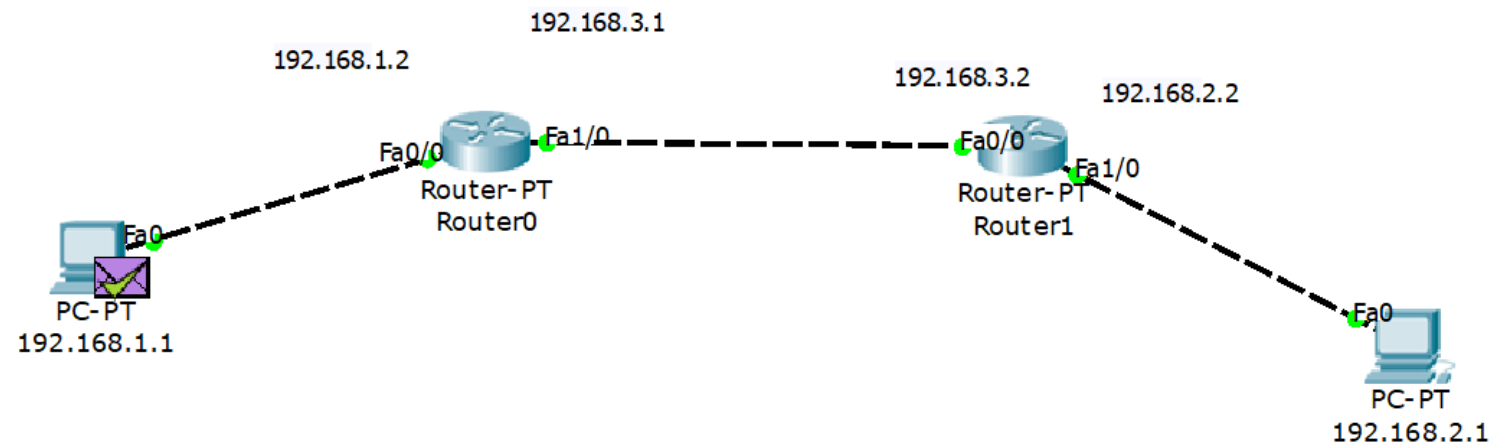
Continue with configuration dialog? [yes/no]: no
Router>en
Router#conf t
Router(config)#int fa1/0
Router(config-if)#ip add 192.168.2.2 255.255.255.0
Router(config-if)#no shut
Router(config-if)#
Router(config-if)#exit
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.3.2 255.255.255.0
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#exit
Router#

192.168.1.2

192.168.3.1

192.168.3.2

192.168.2.2

Fa1/0

Fa0/0

Fa0/0

Router-PT
Router0

Fa1/0

Router-PT
Router1

Fa0

PC-PT
192.168.1.1

Fa0

PC-PT
192.168.2.1

Router#en
Router#conf t
Router(config)#ip route 192.168.2.0 255.255.255.0 192.168.3.2
Router(config)#end
Router#
Router#sh ip route
C   192.168.1.0/24 is directly connected, FastEthernet0/0
S   192.168.2.0/24 [1/0] via 192.168.3.2
C   192.168.3.0/24 is directly connected, FastEthernet1/0
Router#

192.168.3.1

192.168.1.2

192.168.3.2

192.168.2.2

Fa1/0

Fa0/0

Fa0/0

Fa1/0

Router-PT
Router0

Router-PT
Router1

Fa0

PC-PT
192.168.1.1

Fa0

Router#en
Router#conf t
Router(config)#ip route 192.168.1.0 255.255.255.0 192.168.3.1
Router(config)#end
Router#
Router#sh ip route
S   192.168.1.0/24 [1/0] via 192.168.3.1
C   192.168.2.0/24 is directly connected, FastEthernet1/0
C   192.168.3.0/24 is directly connected, FastEthernet0/0
Router#

192.168.3.1

192.168.1.2   192.168.3.2   192.168.2.2

Fa0/0 Fa1/0   Fa0/0 Fa1/0
Router-PT   Router-PT
Router0   Router1

Fa0
PC-PT
192.168.1.1

PC-PT
192.168.2.1

192.168.3.1

192.168.1.2   192.168.3.2   192.168.2.2

Fa0/0 Fa1/0   Fa0/0 Fa1/0
Router-PT   Router-PT
Router0   Router1

Fa0
PC-PT
192.168.1.1

Fa0
PC-PT
192.168.2.1

192.168.1.1   — □ ✕

Physical   Config   Desktop   Custom Interface

Command Prompt   X

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=0ms TTL=126
Reply from 192.168.2.1: bytes=32 time=1ms TTL=126
Reply from 192.168.2.1: bytes=32 time=0ms TTL=126
Reply from 192.168.2.1: bytes=32 time=0ms TTL=126

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```