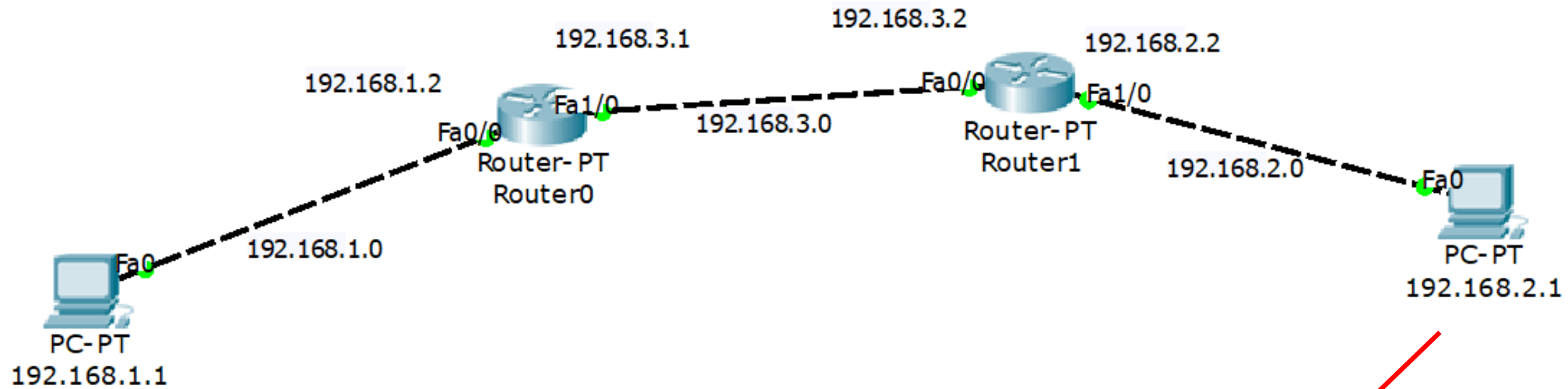


Expt. 4

Router configuration using CLI



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

192.168.2.1

255.255.255.0

192.168.2.2

Web Browser

Cisco IP Communicator

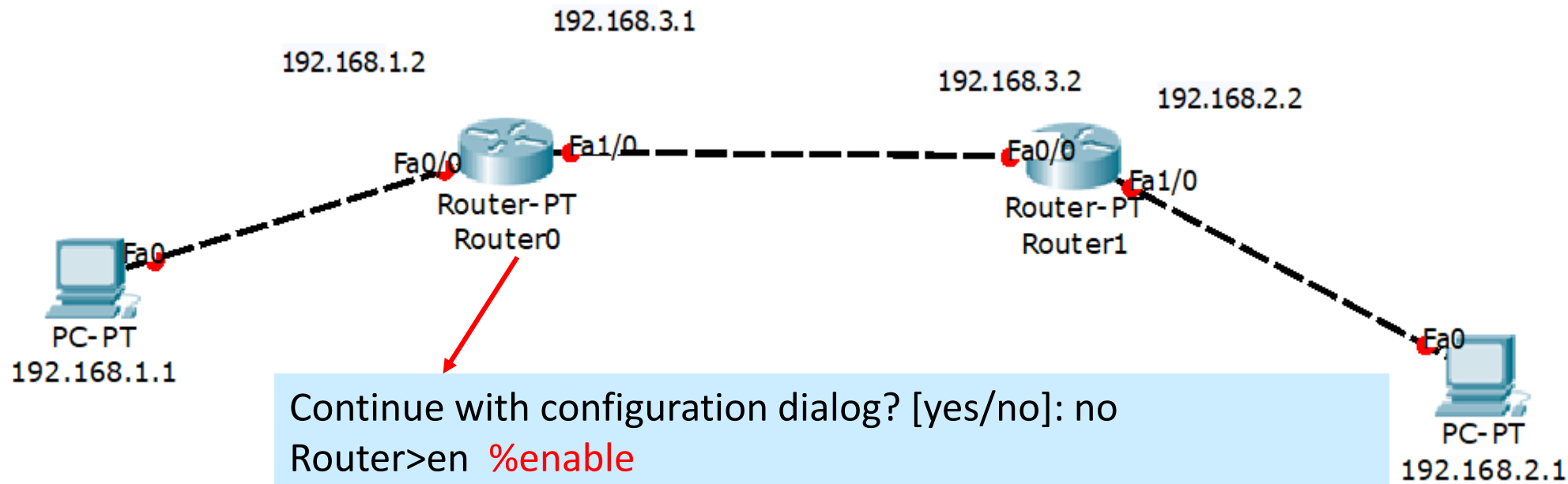
config ☒ Static

192.168.2.1

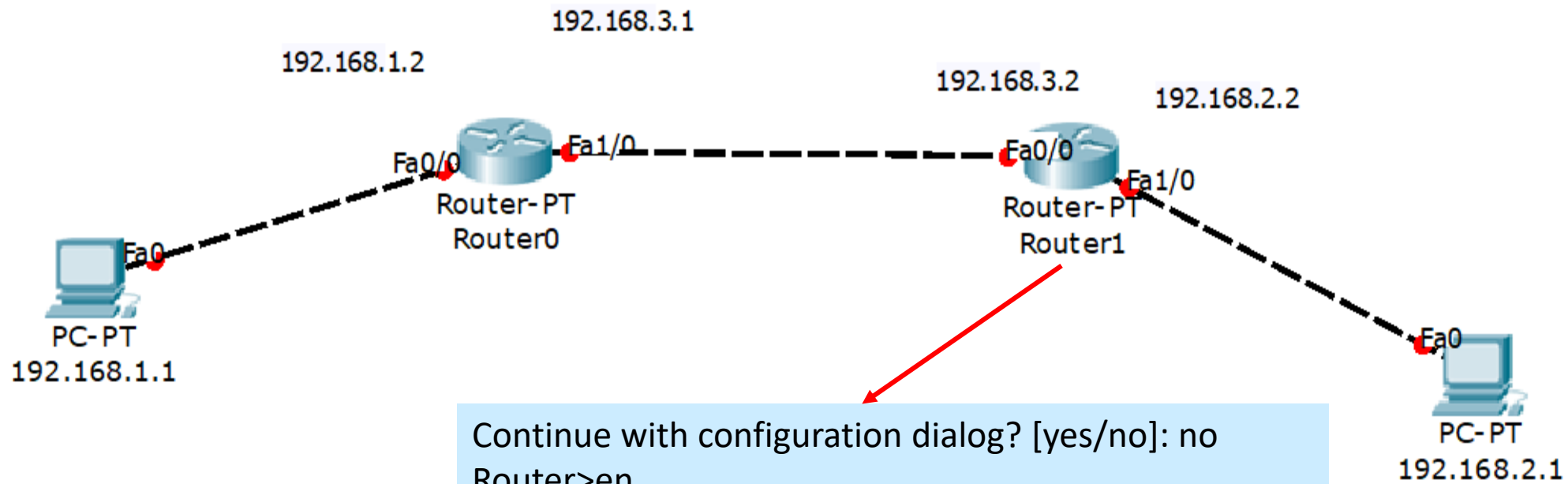
255.255.255.0

192.168.2.2

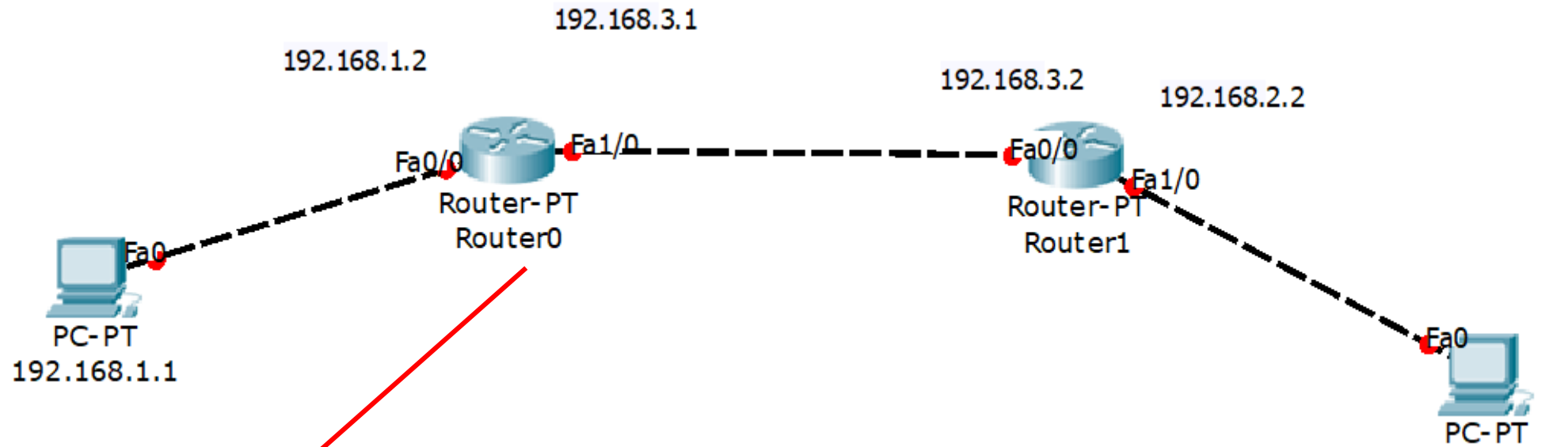
PC-PT 192.168.2.1



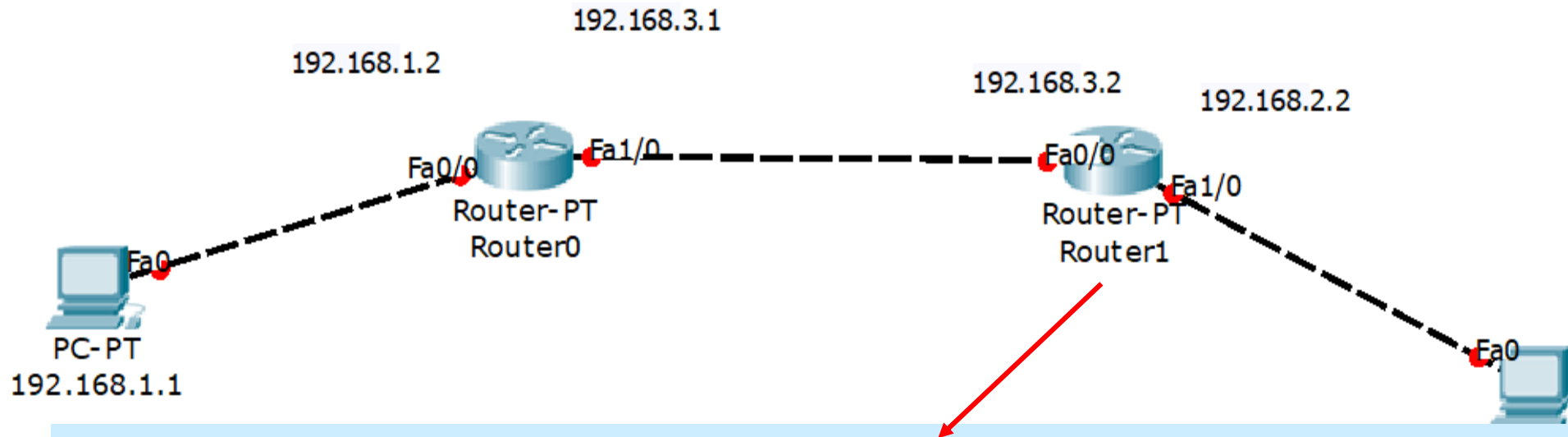
```
Continue with configuration dialog? [yes/no]: no
Router>en %enable
Router#conf t %configure terminal
Router(config)#int fa0/0 %interface fa0/0
Router(config-if)#ip add 192.168.1.2 255.255.255.0
Router(config-if)#no shut %no shutdown i.e. make the port on
Router(config-if)#
Router(config-if)#exit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



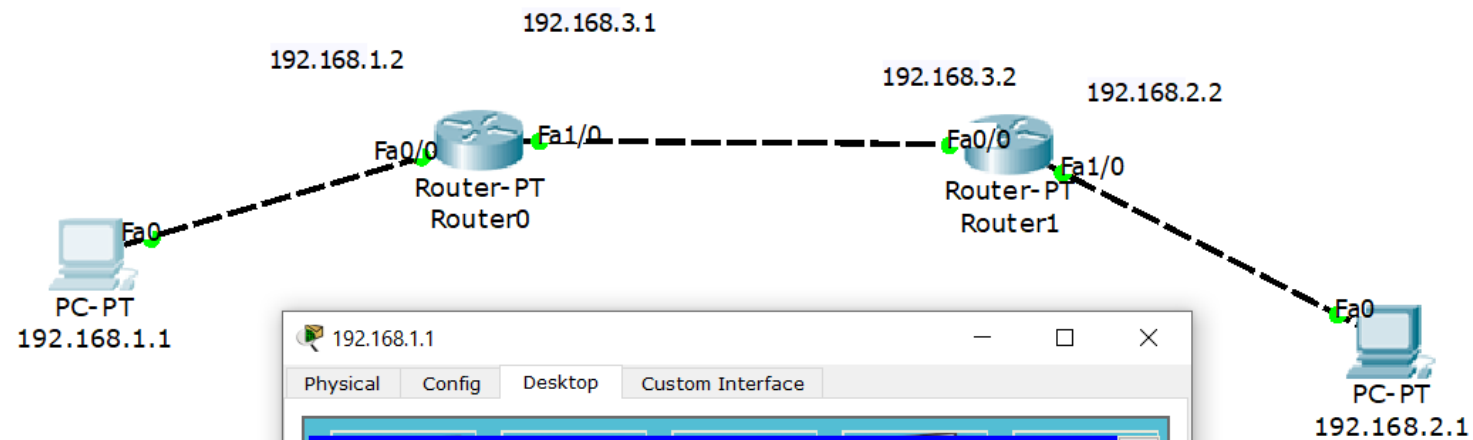
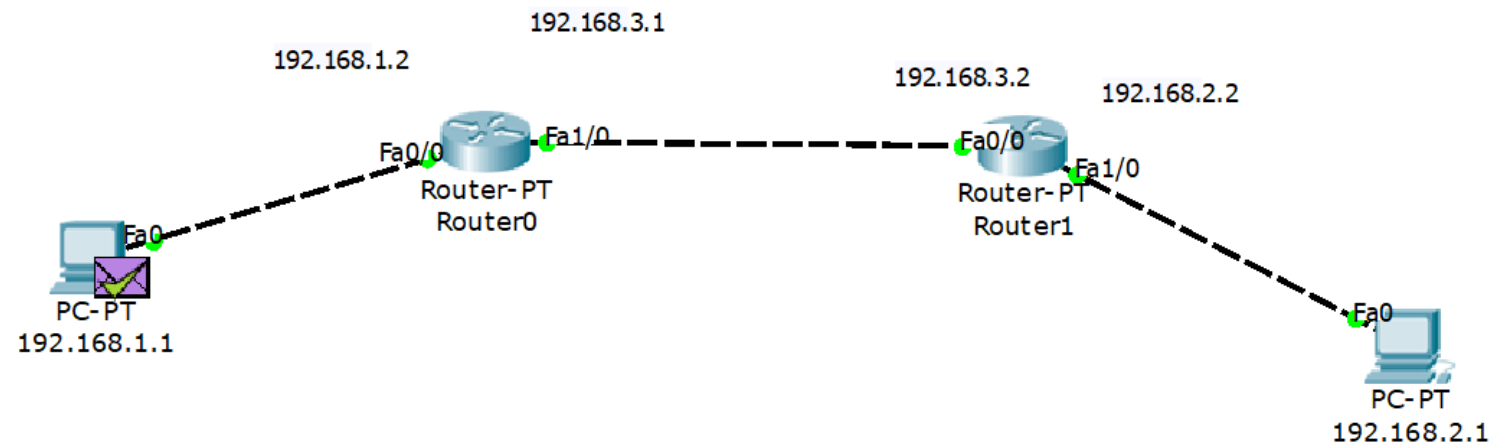
```
Continue with configuration dialog? [yes/no]: no
Router>en
Router#conf t
Router(config)#int fa1/0
Router(config-if)#ip add 192.168.2.2 255.255.255.0
Router(config-if)#no shut
Router(config-if)#
Router(config-if)#exit
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.3.2 255.255.255.0
Router(config-if)#no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



```
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#
```



```
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#
```



```
192.168.1.1
Physical Config Desktop Custom Interface
Command Prompt
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
```