Network Topology Diagram:

- Server-PT Server0 — Fa0 connected via Fa0/1 to Switch
- ISR4331 Router0 with Gig0/0/0 and Gig0/0/1 interfaces
- Left Switch: Fa1/1, Fa3/1, Fa2/1
  - PC-PT PC0 — Fa0
  - PC-PT PC1 — Fa0
- Right Switch: Fa0/1, Fa3/1, Fa2/1
  - PC-PT PC3 — Fa0
  - Laptop-PT Laptop0 — Fa0
  - Laptop-PT Laptop1 — Fa0

PC3 Configuration Window

Tabs: Physical | Config | Desktop | Programming | Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

- (•) DHCP   ( ) Static   DHCP request successful.

Field	Value
IPv4 Address	192.168.20.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.20.1
DNS Server	0.0.0.0

IPv6 Configuration

- ( ) Automatic   (•) Static

Field	Value
IPv6 Address	/
Link Local Address	FE80::210:11FF:FEC3:44B7
Default Gateway	
DNS Server	

802.1X

- [ ] Use 802.1X Security

Field	Value
Authentication	MD5
Username	
Password	

```
Would you like to enter the initial configuration dialog? [yes/no]: no


Press RETURN to get started!



Router>enable
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int Gig0/0/0
Router(config-if)#ip address 192.168.10.1 255.255.255.0
Router(config-if)#ip helper-address 192.168.10.2
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up
do write memory
Building configuration...
[OK]
Router(config-if)#exit
Router(config)#int Gig0/0/1
Router(config-if)#ip address 192.168.20.1 255.255.255.0
Router(config-if)#ip helper-address 192.168.10.2
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up
do write memory
Building configuration...
[OK]
Router(config-if)#exit
Router(config)#
```