192.168.100.103/24

192.168.100.5/24

192.168.200.101/24

PC-PT
PC0

Fa0

Laptop-PT
Laptop1

Fa0

PC-PT
PC1

Fa0

Fa0/1

Fa0/3

Fa0/2

Fa0/4

Fa0/0

Fa0/2

Fa1/0

Fa0/3

-24TT
Switch1

Fa0/1

Fa0

Laptop-PT
Laptop2

2960-24TT
Switch0

Router-PT-Empty
Router0

Fa0

Laptop-PT
Laptop0

192.168.200.100/24

192.168.100.100/24

Physical | Config | CLI | Attributes

**GLOBAL**

Settings

Algorithm Settings

**ROUTING**

Static

RIP

**INTERFACE**

FastEthernet0/0

FastEthernet1/0

FastEthernet0/0

Port Status ☑ On

Bandwidth ◉ 100 Mbps ○ 10 Mbps ☑ Auto

Duplex ○ Half Duplex ◉ Full Duplex ☑ Auto

MAC Address 0001.6391.C221

IP Configuration

IPv4 Address 192.168.100.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
```

☐ Top

# Router0

Physical | Config | CLI | Attributes

| GLOBAL |
| Settings |
| Algorithm Settings |
| **ROUTING** |
| Static |
| RIP |
| **INTERFACE** |
| FastEthernet0/0 |
| FastEthernet1/0 |

## FastEthernet1/0

Port Status ☑ On

Bandwidth ○ 100 Mbps ○ 10 Mbps ☑ Auto

Duplex ○ Half Duplex ○ Full Duplex ☑ Auto

MAC Address 000D.BDCE.EB65

### IP Configuration

IPv4 Address 192.168.200.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet1/0
Router(config-if)#
```

☐ Top

**Laptop1**

Physical  Config  **Desktop**  Programming  Attributes

**Command Prompt**  ☒

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: FE80::20A:F3FF:FE43:C9C1
   IPv6 Address....................: ::
   IPv4 Address....................: 192.168.100.5
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: ::
                                     192.168.100.1

Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: ::
   IPv6 Address....................: ::
   IPv4 Address....................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: ::
                                     0.0.0.0

C:\>ping 192.168.200.100

Pinging 192.168.200.100 with 32 bytes of data:

Reply from 192.168.200.100: bytes=32 time=33ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time=2ms TTL=127

Ping statistics for 192.168.200.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 33ms, Average = 8ms

C:\>
```

☐ Top

Physical    Config    **Desktop**    Programming    Attributes

**Command Prompt**    ☒

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: FE80::2D0:58FF:FE3D:161A
   IPv6 Address....................: ::
   IPv4 Address....................: 192.168.200.100
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: ::
                                     192.168.200.1


Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: ::
   IPv6 Address....................: ::
   IPv4 Address....................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: ::
                                     0.0.0.0


C:\>ping 192.168.100.100

Pinging 192.168.100.100 with 32 bytes of data:

Request timed out.
Reply from 192.168.100.100: bytes=32 time<1ms TTL=127
Reply from 192.168.100.100: bytes=32 time<1ms TTL=127
Reply from 192.168.100.100: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.100.100:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms


C:\>
```

☐ Top

PC1

Physical    Config    Desktop    Programming    Attributes

Command Prompt                                                    ✕

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: FE80::20A:F3FF:FED2:EA6D
   IPv6 Address....................: ::
   IPv4 Address....................: 192.168.200.101
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: ::
                                     192.168.200.1

Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: ::
   IPv6 Address....................: ::
   IPv4 Address....................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: ::
                                     0.0.0.0

C:\>ping 192.168.100.5

Pinging 192.168.100.5 with 32 bytes of data:

Reply from 192.168.100.5: bytes=32 time=7ms TTL=127
Reply from 192.168.100.5: bytes=32 time<1ms TTL=127
Reply from 192.168.100.5: bytes=32 time<1ms TTL=127
Reply from 192.168.100.5: bytes=32 time=6ms TTL=127

Ping statistics for 192.168.100.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 7ms, Average = 3ms

C:\>
```

☐ Top

Physical    Config    Desktop    Programming    Attributes

**Command Prompt**                                                                                    ✕

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ipconfig

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix..:
    Link-local IPv6 Address.........: FE80::20A:41FF:FEA4:308D
    IPv6 Address....................: ::
    IPv4 Address....................: 192.168.100.103
    Subnet Mask.....................: 255.255.255.0
    Default Gateway.................: ::
                                      192.168.100.1

Bluetooth Connection:

    Connection-specific DNS Suffix..:
    Link-local IPv6 Address.........: ::
    IPv6 Address....................: ::
    IPv4 Address....................: 0.0.0.0
    Subnet Mask.....................: 0.0.0.0
    Default Gateway.................: ::
                                      0.0.0.0

C:\>ping 192.168.200.100

Pinging 192.168.200.100 with 32 bytes of data:

Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.200.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

☐ Top

# Laptop0

## Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: FE80::2D0:FFFF:FE50:9128
   IPv6 Address....................: ::
   IPv4 Address....................: 192.168.100.100
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: ::
                                     192.168.100.1

Bluetooth Connection:

   Connection-specific DNS Suffix..:
   Link-local IPv6 Address.........: ::
   IPv6 Address....................: ::
   IPv4 Address....................: 0.0.0.0
   Subnet Mask.....................: 0.0.0.0
   Default Gateway.................: ::
                                     0.0.0.0


C:\>
```

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