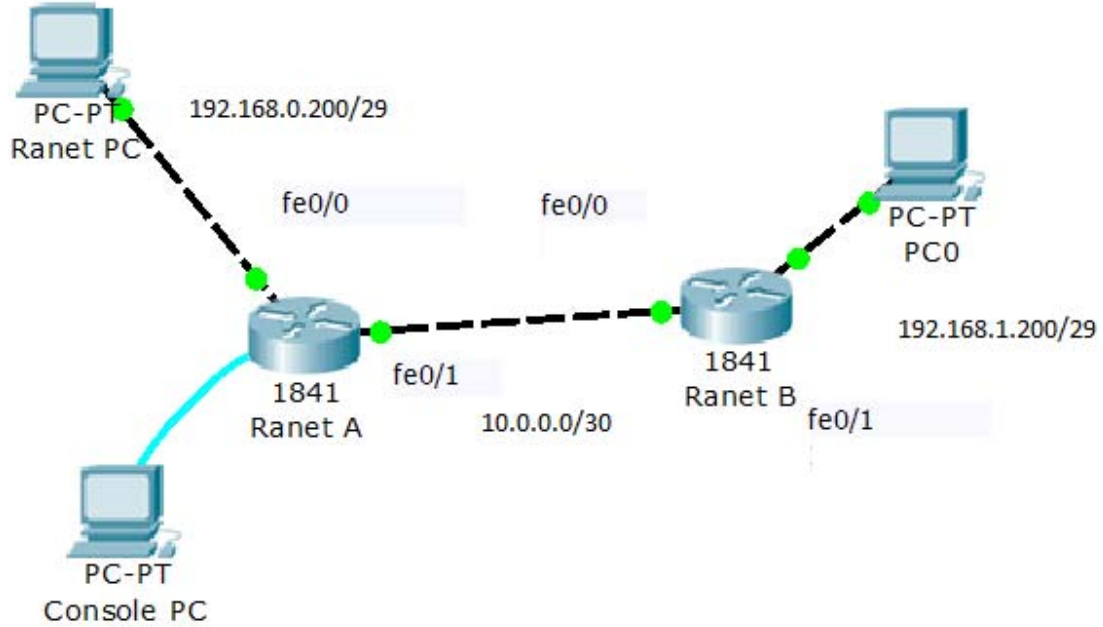
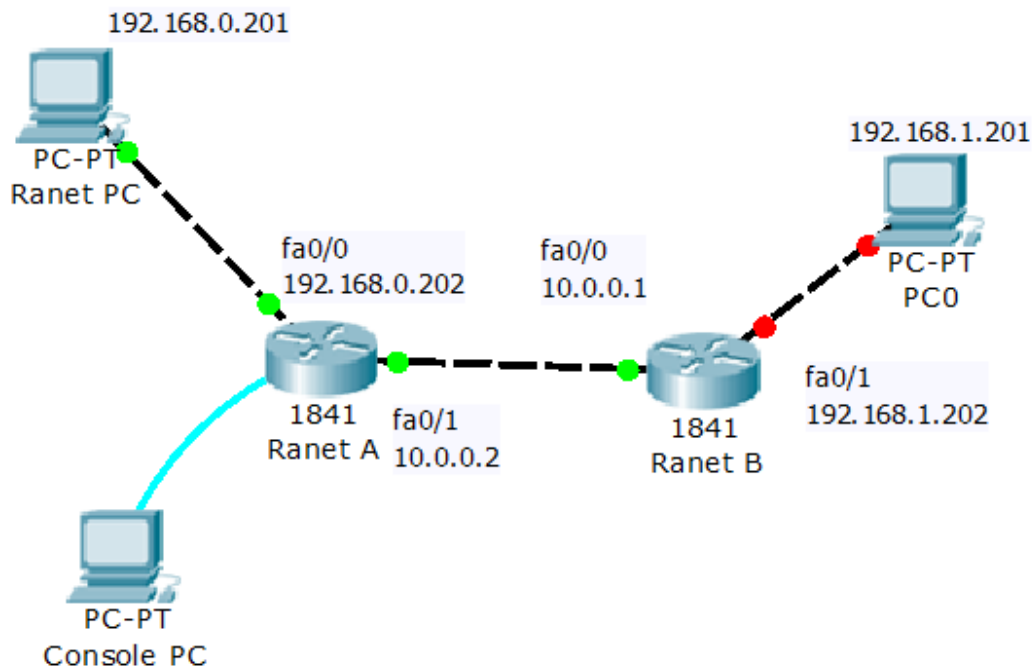


### Network II Lab 08

#### Scenario 01 - Basic configuration and consul connection:



Physical network	Network name	Subnet mask	First host	Last host
Ranet A ↔ RanetPC	192.168.0.200/29 192.168.0. 11001000/29	255.255.255.1111 1000 255.255.255.248	192.168.0.201	192.168.0.254
Ranet A ↔ Ranet B	10.0.0.0/30 10.0.0.0000 0010/30	255.255.255.1111 1100 255.255.255.252	10.0.0.1	10.0.0.2
Ranet B ↔ PC0	192.168.1.200/29 192.168.1. 11001000/29	255.255.255.1111 1000 255.255.255.248	192.168.1.201	192.168.1.254





Ranet PC

The screenshot shows the configuration window for a FastEthernet interface in a virtual environment named 'Ranet PC'. The window has three tabs: 'Physical', 'Config', and 'Desktop', with 'Config' selected. On the left, there is a sidebar with a tree view containing 'GLOBAL' (with sub-items 'Settings' and 'Algorithm Settings') and 'INTERFACE' (with sub-item 'FastEthernet'). The main area is titled 'FastEthernet' and contains the following settings:

- Port Status:** [ ]
- Bandwidth:** [x] (checkbox)   
  10 Mbps  100 Mbps
- Duplex:** [x] (checkbox)   
  Full Duplex  Half Duplex
- MAC Address:** 0050.0F51.E09B
- IP Configuration:**   
  DHCP   
  Static
- IP Address:** 192.168.0.201
- Subnet Mask:** 255.255.0.0
- IPv6 Configuration:**   
 Link Local Address: [ ]   
  DHCP   
  Auto Config



PC01

The screenshot shows a configuration window for a PC named 'PC0'. The window has three tabs: 'Physical', 'Config', and 'Desktop', with 'Desktop' currently selected. On the left side, there is a navigation pane with sections 'GLOBAL' and 'INTERFACE'. Under 'INTERFACE', 'FastEthernet' is selected. The main area displays the configuration for the 'FastEthernet' interface. The 'Port Status' is visible at the top. Below it, 'Bandwidth' is set to 100 Mbps (selected with a radio button and a checkmark), with 10 Mbps as an alternative. 'Duplex' is set to Full Duplex (selected with a radio button and a checkmark), with Half Duplex as an alternative. The 'MAC Address' is 0060.47B6.4C0E. Under 'IP Configuration', 'Static' is selected (radio button with a dot), while 'DHCP' is unselected. The 'IP Address' is 192.168.1.201 and the 'Subnet Mask' is 255.255.0.0. The 'IPv6 Configuration' section is partially visible, showing 'Link Local Address:' with unselected options for 'DHCP' and 'Auto Config'.



Ranet A

```
Router>en
Router#config t
Router(config)#int fa0/0
Router(config-if)#no sh
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to
up
Router(config-if)#ip add 192.168.0.202 255.255.255.248
Router(config-if)#int fa0/1
Router(config-if)#no sh
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
Router(config-if)#ip add 10.0.0.2 255.255.255.252
Router(config)#ip route 192.168.0.200 255.255.255.248 FastEthernet0/0
Router(config)#ip route 10.0.0.0 255.255.255.252 FastEthernet0/1
Router(config)#ip route 192.168.1.200 255.255.255.248 FastEthernet0/1
Router(config)#
```



Ranet B

```
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip add 10.0.0.1 255.255.255.252
Router(config-if)#no sh
Router(config-if)#int fa0/1
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to
up

Router(config-if)#ip add 192.168.1.202 255.255.255.248
Router(config-if)#ip route 192.168.0.200 255.255.255.248 fa0/0
Router(config)#ip route 10.0.0.0 255.255.255.252 fa0/0
Router(config)#ip route 192.168.1.200 255.255.255.248 fa0/1
Router(config)#^Z
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```



@ Ranet A

Packet Tracer PC Command Line 1.0

PC>ping 192.168.0.202

Pinging 192.168.0.202 with 32 bytes of data:

Reply from 192.168.0.202: bytes=32 time=62ms TTL=255

Reply from 192.168.0.202: bytes=32 time=31ms TTL=255

Reply from 192.168.0.202: bytes=32 time=31ms TTL=255

Reply from 192.168.0.202: bytes=32 time=32ms TTL=255

Ping statistics for 192.168.0.202:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 31ms, Maximum = 62ms, Average = 39ms

PC>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 10.0.0.2:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 192.168.1.202

Pinging 192.168.1.202 with 32 bytes of data:

Request timed out.

Request timed out.

Reply from 192.168.1.202: bytes=32 time=62ms TTL=254

Reply from 192.168.1.202: bytes=32 time=62ms TTL=254

Ping statistics for 192.168.1.202:

Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),

Approximate round trip times in milli-seconds:

Minimum = 62ms, Maximum = 62ms, Average = 62ms

PC>ping 192.168.1.202

Pinging 192.168.1.202 with 32 bytes of data:



```
Reply from 192.168.1.202: bytes=32 time=63ms TTL=254
Reply from 192.168.1.202: bytes=32 time=62ms TTL=254
Reply from 192.168.1.202: bytes=32 time=63ms TTL=254
Reply from 192.168.1.202: bytes=32 time=62ms TTL=254
```

Ping statistics for 192.168.1.202:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 62ms, Maximum = 63ms, Average = 62ms

```
PC>ping 192.168.1.201
```

Pinging 192.168.1.201 with 32 bytes of data:

Request timed out.

Request timed out.

```
Reply from 192.168.1.201: bytes=32 time=125ms TTL=126
```

```
Reply from 192.168.1.201: bytes=32 time=93ms TTL=126
```

Ping statistics for 192.168.1.201:

Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 93ms, Maximum = 125ms, Average = 109ms

```
PC>ping 192.168.1.201
```

Pinging 192.168.1.201 with 32 bytes of data:

```
Reply from 192.168.1.201: bytes=32 time=94ms TTL=126
```

```
Reply from 192.168.1.201: bytes=32 time=93ms TTL=126
```

```
Reply from 192.168.1.201: bytes=32 time=94ms TTL=126
```

```
Reply from 192.168.1.201: bytes=32 time=94ms TTL=126
```

Ping statistics for 192.168.1.201:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
Minimum = 93ms, Maximum = 94ms, Average = 93ms

```
PC>
```





@ Pc01

Packet Tracer PC Command Line 1.0

PC>ping 192.168.1.202

Pinging 192.168.1.202 with 32 bytes of data:

Reply from 192.168.1.202: bytes=32 time=31ms TTL=255

Reply from 192.168.1.202: bytes=32 time=31ms TTL=255

Reply from 192.168.1.202: bytes=32 time=32ms TTL=255

Reply from 192.168.1.202: bytes=32 time=31ms TTL=255

Ping statistics for 192.168.1.202:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 31ms, Maximum = 32ms, Average = 31ms

PC>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 10.0.0.1:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 192.168.0.202

Pinging 192.168.0.202 with 32 bytes of data:

Request timed out.

Reply from 192.168.0.202: bytes=32 time=63ms TTL=254

Reply from 192.168.0.202: bytes=32 time=62ms TTL=254

Reply from 192.168.0.202: bytes=32 time=63ms TTL=254

Ping statistics for 192.168.0.202:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 62ms, Maximum = 63ms, Average = 62ms

PC>ping 192.168.0.201

Pinging 192.168.0.201 with 32 bytes of data:



```
Reply from 192.168.0.201: bytes=32 time=78ms TTL=126
Reply from 192.168.0.201: bytes=32 time=94ms TTL=126
Reply from 192.168.0.201: bytes=32 time=93ms TTL=126
Reply from 192.168.0.201: bytes=32 time=81ms TTL=126
```

```
Ping statistics for 192.168.0.201:
```

```
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
  Minimum = 78ms, Maximum = 94ms, Average = 86ms
```

```
PC>
```