<Cipher/>

Instructor
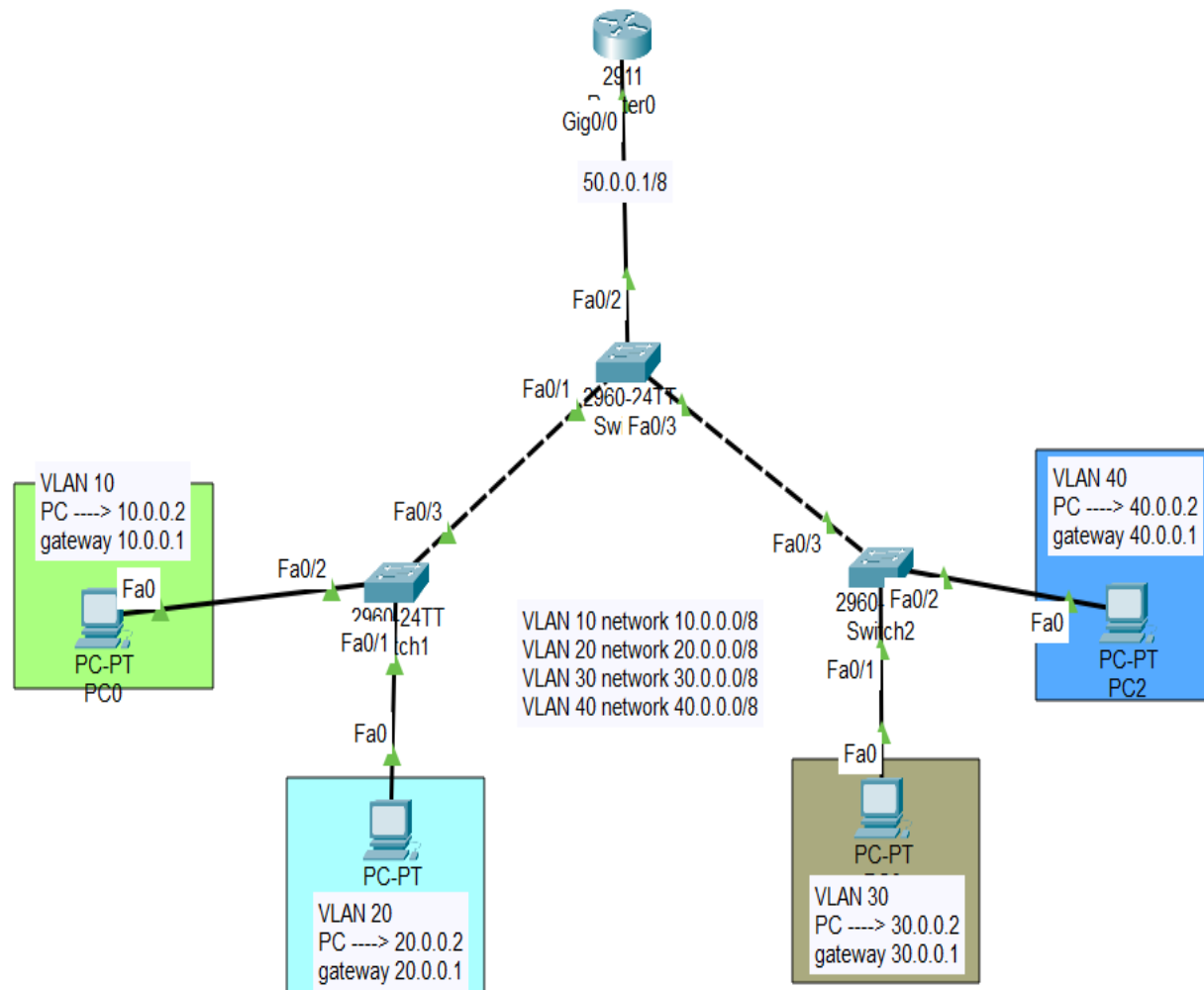
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Farida Ahmed

LABs: **Inter VLAN**

Course: **CCNA 200 301 Routing**

Team: **Cipher**

20 points

LAB1

- **Using Inter VLAN routing configuration network topology and ping between PCs.**

2911
Router0
Gig0/0

50.0.0.1/8

Fa0/2

Fa0/1 2960-24TT
Sw Fa0/3

VLAN 10
PC ----> 10.0.0.2
gateway 10.0.0.1

Fa0/3

Fa0/3

VLAN 40
PC ----> 40.0.0.2
gateway 40.0.0.1

Fa0/2

Fa0

2960 Fa0/2
Switch2

Fa0

2960-24TT
Fa0/1 tch1

PC-PT
PC0

VLAN 10 network 10.0.0.0/8
VLAN 20 network 20.0.0.0/8
VLAN 30 network 30.0.0.0/8
VLAN 40 network 40.0.0.0/8

Fa0/1

PC-PT
PC2

Fa0

Fa0

PC-PT

VLAN 20
PC ----> 20.0.0.2
gateway 20.0.0.1

PC-PT

VLAN 30
PC ----> 30.0.0.2
gateway 30.0.0.1

LAB2

- **Using Inter VLAN routing configuration network topology and ping between PCs.**
  - **Using inter vlan In Each router**
  - **Using dynamic routing use protocol RIP.**
  - **Testing PCs and ping.**

Hint

```
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#net 10.0.0.0
Router(config-router)#net 20.0.0.0
Router(config-router)#net 30.0.0.0
Router(config-router)#net 40.0.0.0
Router(config-router)#net 50.0.0.0
Router(config-router)#net 60.0.0.0
Router(config-router)#
```

Gig0/1   60.0.0.0/8   Gig0/0

2911
Router0
Gig0/0

50.0.0.1/8

Fa0/2

Fa0/1 2960-24TT
Sw Fa0/3

2911
Rou Gig0/1

70.0.0.0/8

Fa0/1

Hint

```
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#net 60.0.0.0
Router(config-router)#net 70.0.0.0
Router(config-router)#net 80.0.0.0
Router(config-router)#
```

2960 24TT
Swi Fa0/2

VLAN 10
PC ----> 10.0.0.2
gateway 10.0.0.1

Fa0/3

Fa0/2
Fa0

PC-PT
PC0

2960 24TT
Fa0/1 tch1

Fa0

VLAN 10 network 10.0.0.0/8
VLAN 20 network 20.0.0.0/8
VLAN 30 network 30.0.0.0/8
VLAN 40 network 40.0.0.0/8

Fa0/3

2960 Fa0/2
Switch2

Fa0/1

Fa0

VLAN 40
PC ----> 40.0.0.2
gateway 40.0.0.1

Fa0

PC-PT
PC2

Fa0

PC-PT
PC4

PC-PT

VLAN 20
PC ----> 20.0.0.2
gateway 20.0.0.1

PC-PT

VLAN 30
PC ----> 30.0.0.2
gateway 30.0.0.1

VLAN 50
PC----> 80.0.0.2
gateway 80.0.0.0