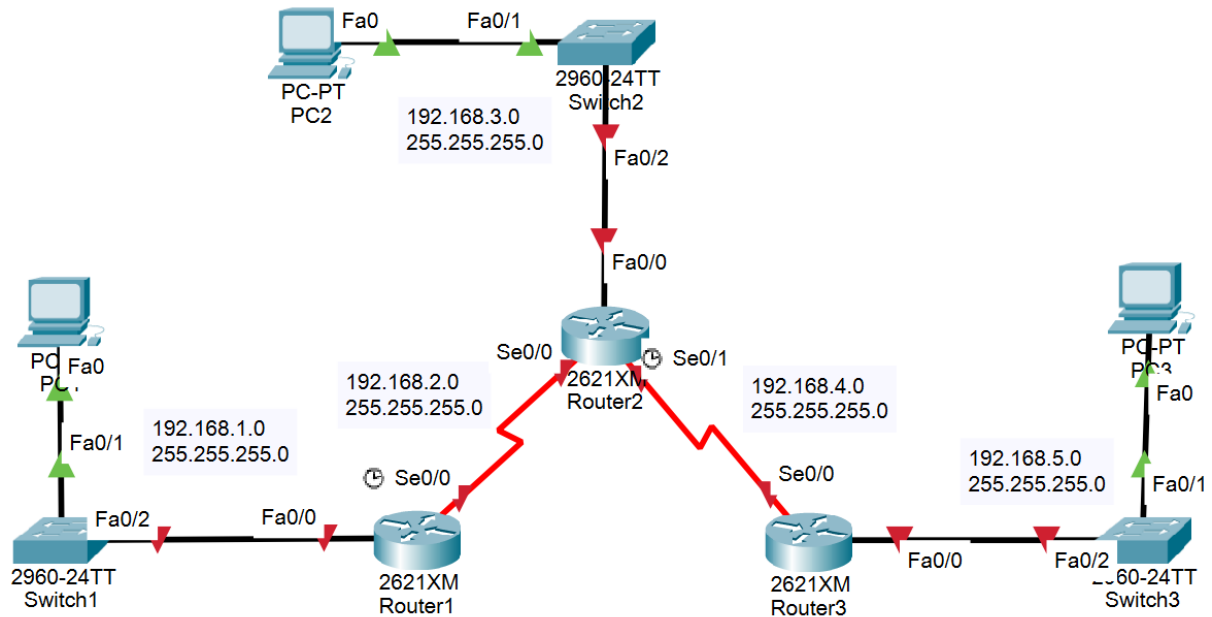


Ankara University
Department of Computer Engineering
BLM3032
LAB 5

SECTION 1

Static Route Configuration



Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
R1	Fa0/0	192.168.1.1	255.255.255.0	N/A
	S0/0/0	192.168.2.1	255.255.255.0	N/A
R2	Fa0/0	192.168.3.1	255.255.255.0	N/A
	S0/0/0	192.168.2.2	255.255.255.0	N/A
	S0/0/1	192.168.4.2	255.255.255.0	N/A
R3	Fa0/0	192.168.5.1	255.255.255.0	N/A
	S0/0/1	192.168.4.1	255.255.255.0	N/A
PC1	NIC	192.168.1.10	255.255.255.0	192.168.1.1
PC2	NIC	192.168.3.10	255.255.255.0	192.168.3.1
PC3	NIC	192.168.5.10	255.255.255.0	192.168.5.1

Objective:

- Establish above schema.
- Configure all IP addresses.
- Configure the static routing.
- Configure the RIP.

Steps

1. Is the interface of the serial connection DCE or DTE?
2. Give a hostname. (R1, R2, R3)
3. Configure all **COMPUTERS**' IP, SUBNET MASK and DEFAULT GATEWAY.
4. Configure all **ROUTERS**' FastEthernet.
5. Configure all **ROUTER**'s Serial Interface. Remember **DCE** Routers must give **Clockrate**. **Be careful on R2! R2 have 2 Serial interfaces!**
6. Configure Static Routing!
7. Ping!
 - PC1: ping 192.168.3.10
PC1: ping 192.168.5.10
 - PC2: ping 192.168.1.10
PC2: ping 192.168.5.10
 - PC3: ping 192.168.3.10
PC3: ping 192.168.1.10
8. Remove Static Routing!
9. Configure RIP!
10. Ping!
 - PC1: ping 192.168.3.10
PC1: ping 192.168.5.10
 - PC2: ping 192.168.1.10
PC2: ping 192.168.5.10
 - PC3: ping 192.168.3.10
PC3: ping 192.168.1.10
11. Remove RIP!

Homework:

- **Establish above schema.**
- **Do not forget the add your names to the notes to prove that this is your own work.**
- **Take a screenshot.**
- **Configure static routing on both routers.**
- **Make sure use CLI to configure routers FastEthernet and Serial ports**
- **Also configure the RIP (you don't need to configure static routing) and copy your CLI codes to your worksheet.**
- **Load your homework as a ONE pdf file.**
- **You have one week.**