

Set up network (for both Static and Dynamic)

Shift + Ctrl + b to break in CLI when typo.

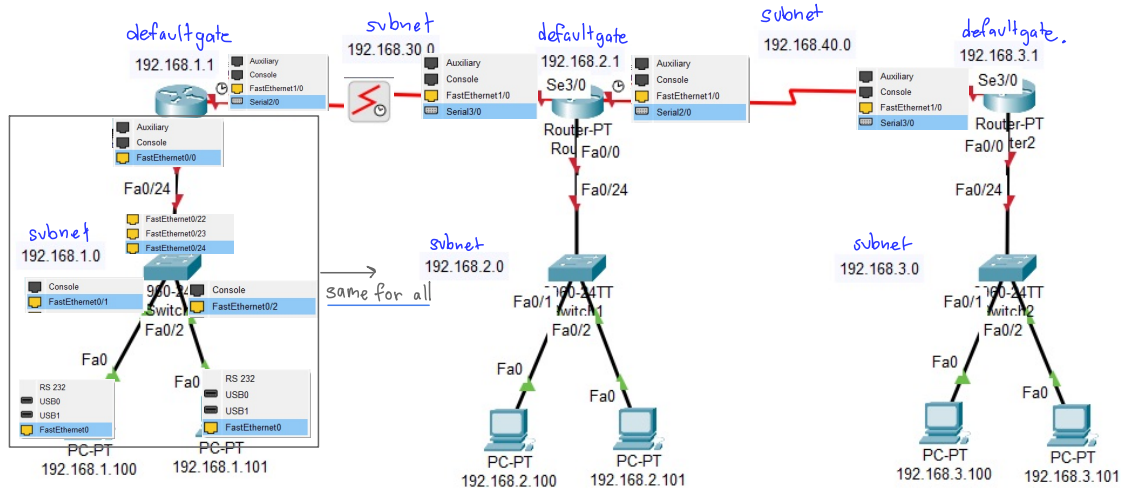
Router#dd
Translating "dd"...domain server (255.255.255.255) % Name lookup aborted

1. Set subnet

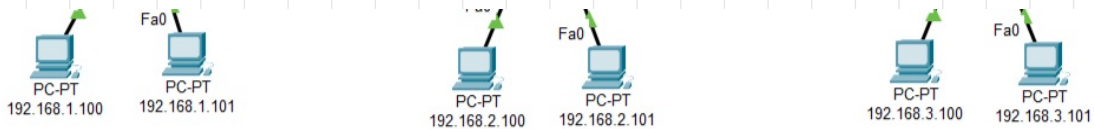
Subnet1: 192.168.1.0
Subnet2: 192.168.2.0
Subnet3: 192.168.3.0

Router1: 192.168.30.0
Router2: 192.168.40.0

2. wiring

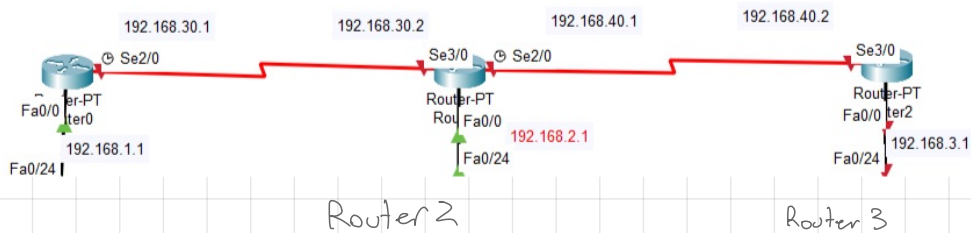


3 set IP and default gate for PC



IPv4 Address	192.168.1.100	IPv4 Address	192.168.1.101	IPv4 Address	192.168.2.100	IPv4 Address	192.168.2.101	IPv4 Address	192.168.3.100	IPv4 Address	192.168.3.101
Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1	Default Gateway	192.168.1.1	Default Gateway	192.168.2.1	Default Gateway	0.0.0.0	Default Gateway	192.168.3.1	Default Gateway	192.168.3.1
DNS Server	0.0.0.0	DNS Server	0.0.0.0	DNS Server	0.0.0.0	DNS Server	0.0.0.0	DNS Server	0.0.0.0	DNS Server	0.0.0.0

4. config router



Router 1

Router 2

Router 3

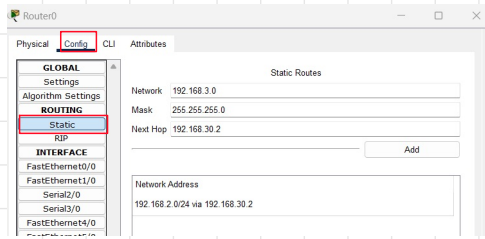
```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNF
Router(config)#int f0/0
Router(config-if)#ip address 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown
Router(config)#exit
Router(config)#int s2/0
Router(config-if)#ip address 192.168.30.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown
```

```
Router(config)#int s3/0
Router(config-if)#ip address 192.168.30.2 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#exit
Router(config)#int f0/0
Router(config-if)#ip address 192.168.2.1 255.255.255.0
Router(config-if)#no shutdown
Router(config)#exit
Router(config)#int s2/0
Router(config-if)#ip address 192.168.40.1 255.255.255.0
Router(config-if)#clock rate 56000
Router(config-if)#no shutdown
```

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNF
Router(config)#int s3/0
Router(config-if)#ip address 192.168.40.2 255.255.255.0
Router(config-if)#no shutdown
Router(config)#exit
Router(config)#int f0/0
Router(config-if)#ip address 192.168.3.1 255.255.255.0
Router(config-if)#no shutdown
```

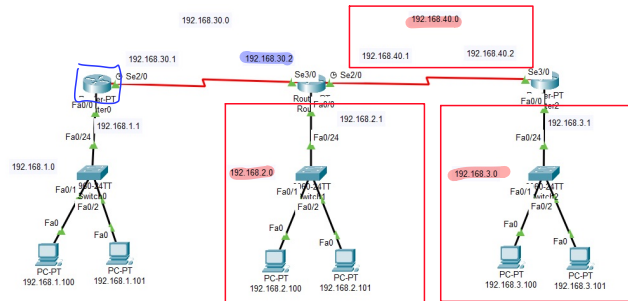
Static

use this tab



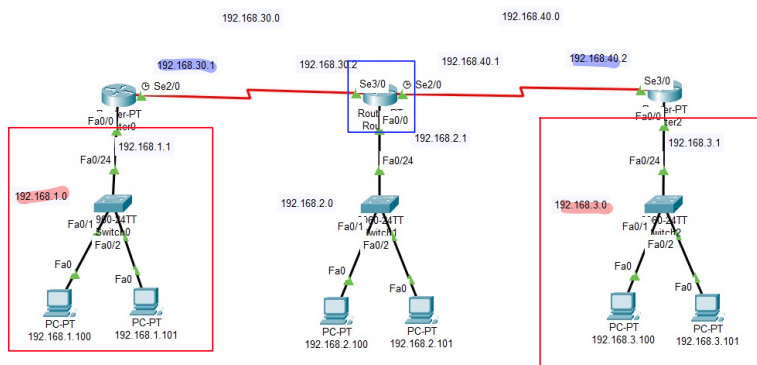
Router 1

Network	192.168.2.0	Network	192.168.3.0	Network	192.168.40.0
Mask	255.255.255.0	Mask	255.255.255.0	Mask	255.255.255.0
Next Hop	192.168.30.2	Next Hop	192.168.30.2	Next Hop	192.168.30.2



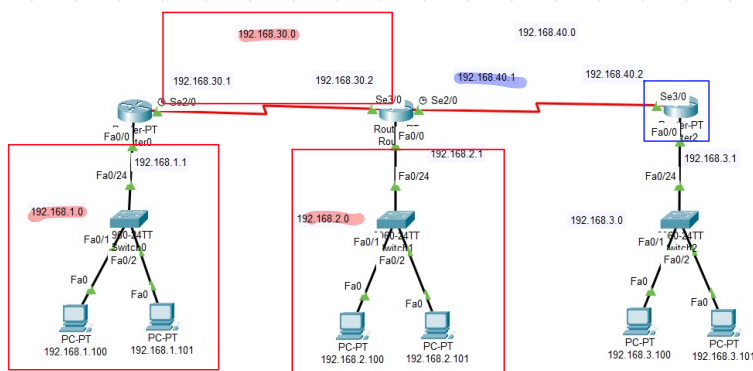
Router 2

Network	192.168.1.0	Network	192.168.3.0
Mask	255.255.255.0	Mask	255.255.255.0
Next Hop	192.168.30.1	Next Hop	192.168.40.2



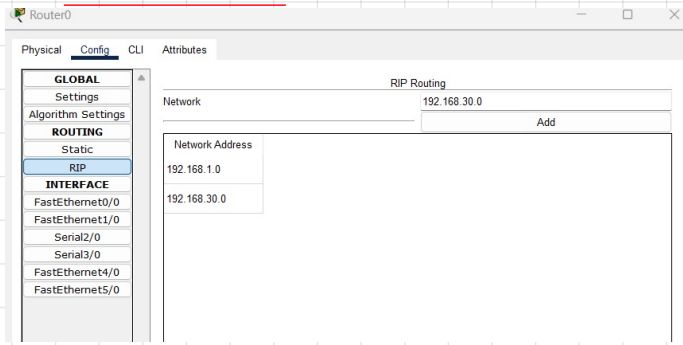
Router 3

Network	192.168.1.0	Network	192.168.2.0	Network	192.168.30.0
Mask	255.255.255.0	Mask	255.255.255.0	Mask	255.255.255.0
Next Hop	192.168.40.1	Next Hop	192.168.40.1	Next Hop	192.168.40.1



Dynamic

use this tab

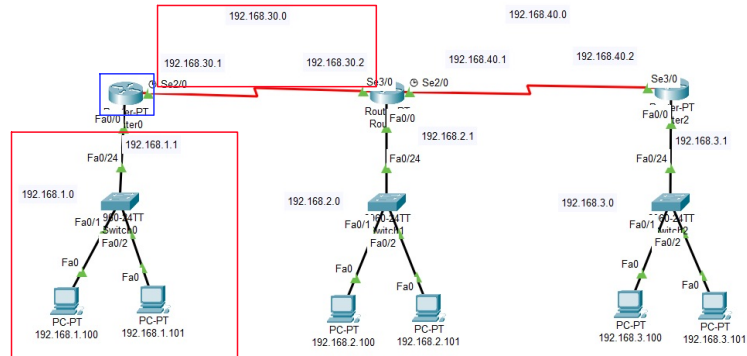


Router 1

Network Address

192.168.1.0

192.168.30.0



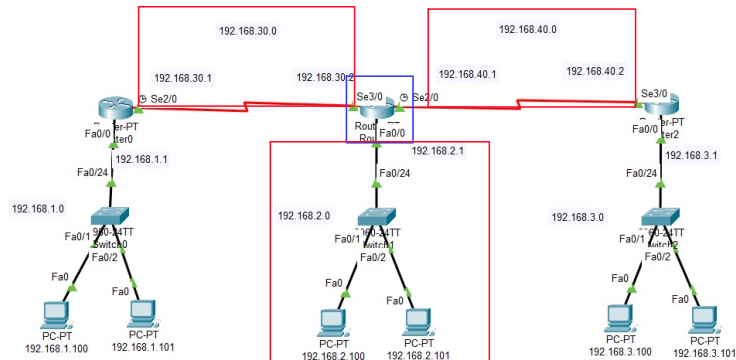
Router 2

Network Address

192.168.2.0

192.168.30.0

192.168.40.0



Router 3

Network Address

192.168.3.0

192.168.40.0

