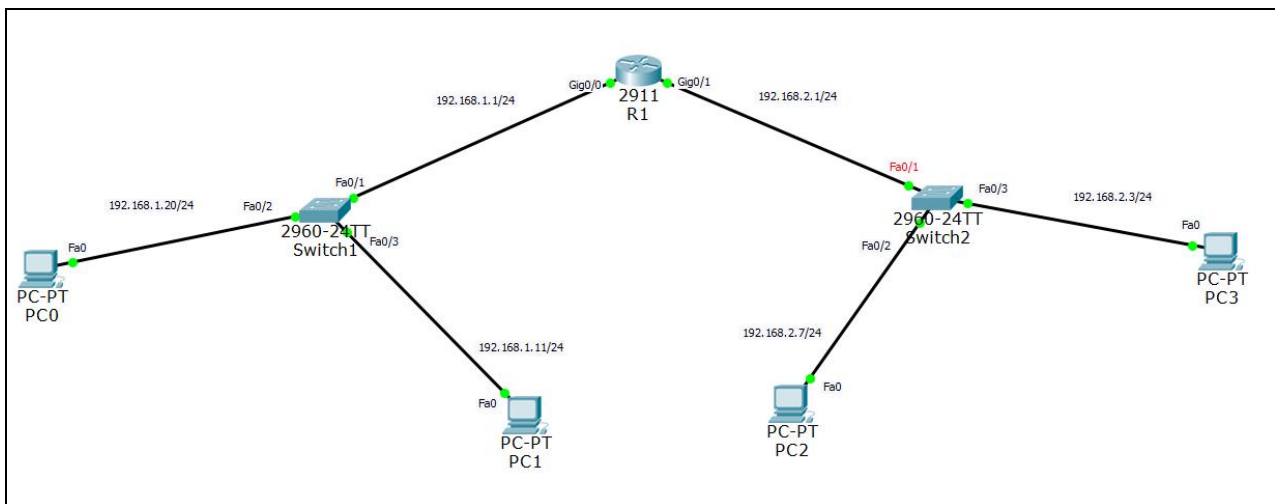
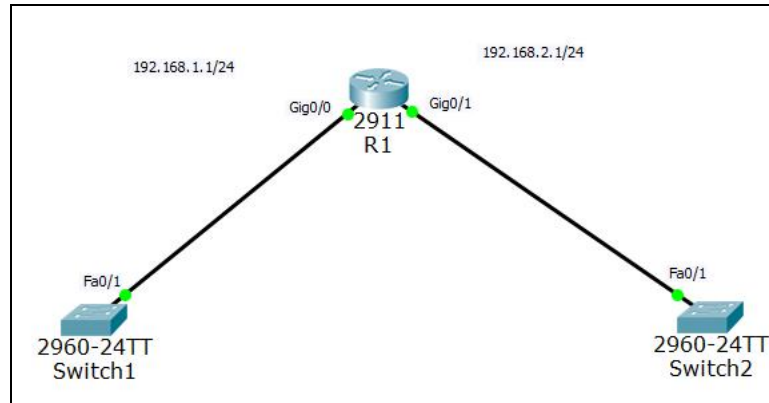
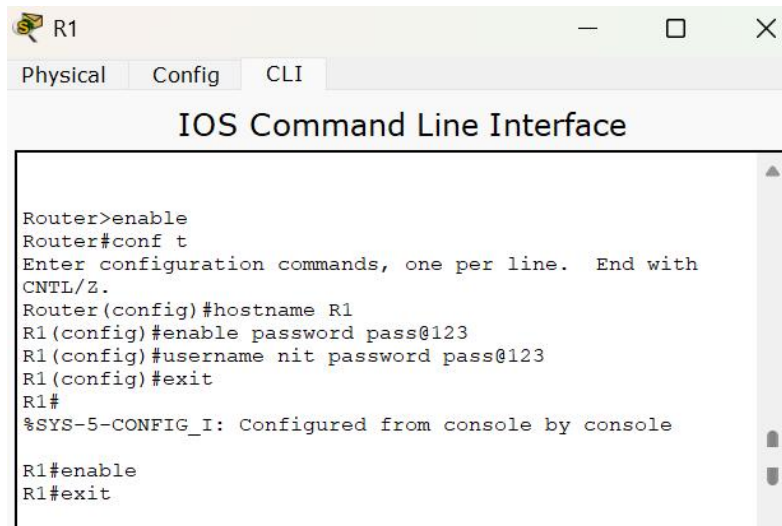


## Cisco Packet Tracer - Subnetting dual-network setup



(subnetting two networks with the 2911 Router and 2960 Switches)

- Enable router to connect two different networks.
- Configure it to global configuration.
- Name the router (here R1) ; enable username and password.
- Interface giga-ethernet Connection with two switches [g0/0 & g0/1] (the switch creates a private "lane" just for them. This keeps the network fast and efficient).
- In each giga-eth. Connection need to assign ip address and save it.
- After verifying router interface (using "show ip route" command).
- Assign each PCs with IP Address, Gateway and ping with one another.
- Turn on simulation to check connectivity.



The screenshot shows a terminal window titled 'R1' with tabs for 'Physical', 'Config', and 'CLI'. The 'CLI' tab is active, displaying the 'IOS Command Line Interface'. The command history shows the user entering 'enable' to reach privileged mode, then 'conf t' to enter configuration mode. In configuration mode, the user sets the hostname to 'R1', enables a password 'pass@123', and creates a username 'nit' with the same password. Finally, the user exits configuration mode and returns to privileged mode.

```
Router>enable
Router#conf t
Enter configuration commands, one per line. End with
CNTL/Z.
Router(config)#hostname R1
R1(config)#enable password pass@123
R1(config)#username nit password pass@123
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#enable
R1#exit
```

```
R1#enable
Password:
R1#config t
Enter configuration commands, one per line. End with
CNTL/Z.
R1(config)#int g0/0/0
%Invalid interface type and number
R1(config)#int g0/0
R1(config-if)#ip address 192.168.1.1 255.255.255.0
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed
state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0, changed state to up
exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

Enter configuration commands, one per line. End with
CNTL/Z.
R1(config)#int g0/1
R1(config-if)#ip address 192.168.2.1 255.255.255.0
R1(config-if)#no shut

R1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed
state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/1, changed state to up
exit
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#write
Building configuration...
[OK]
R1#
```

