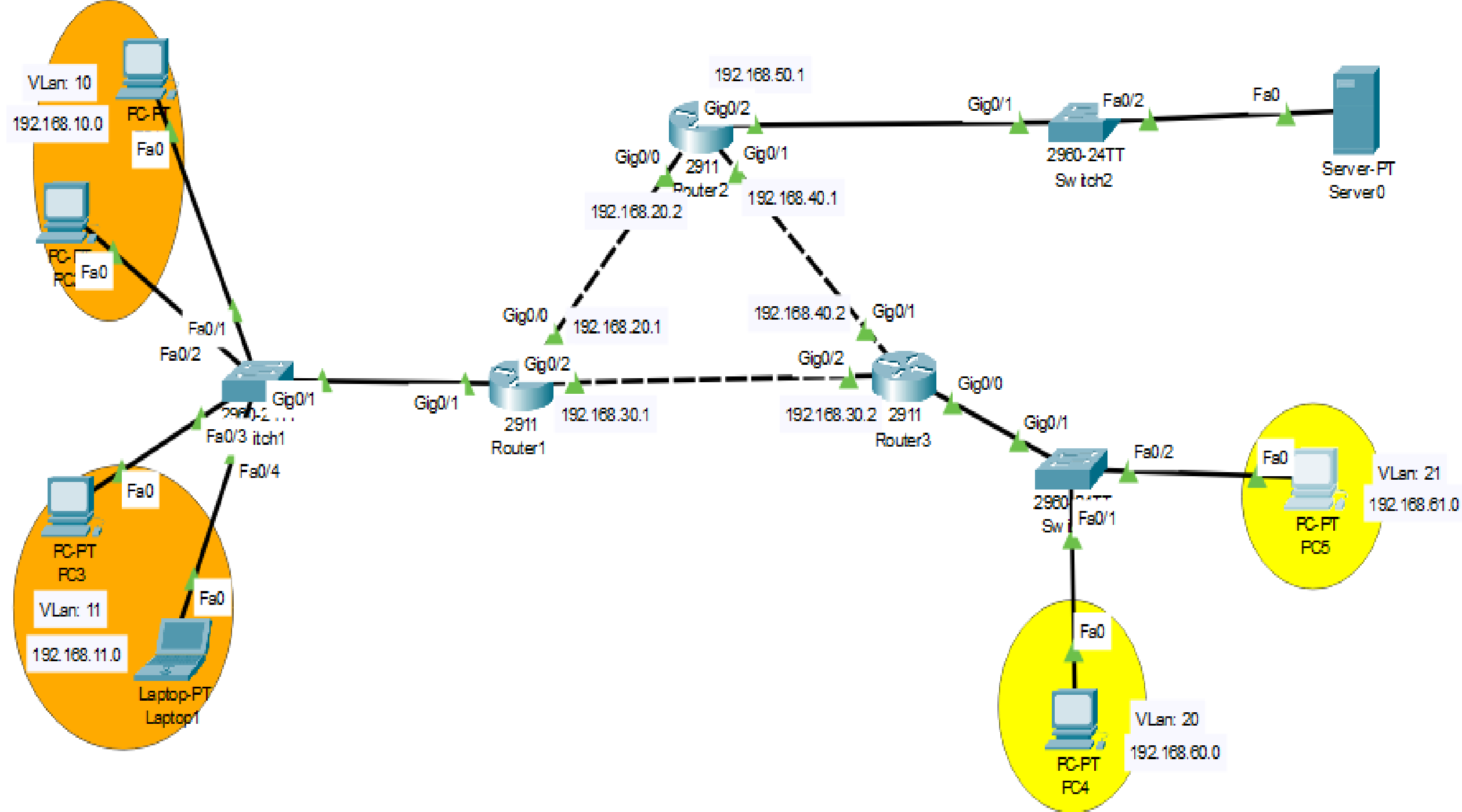


Building small Network Topology



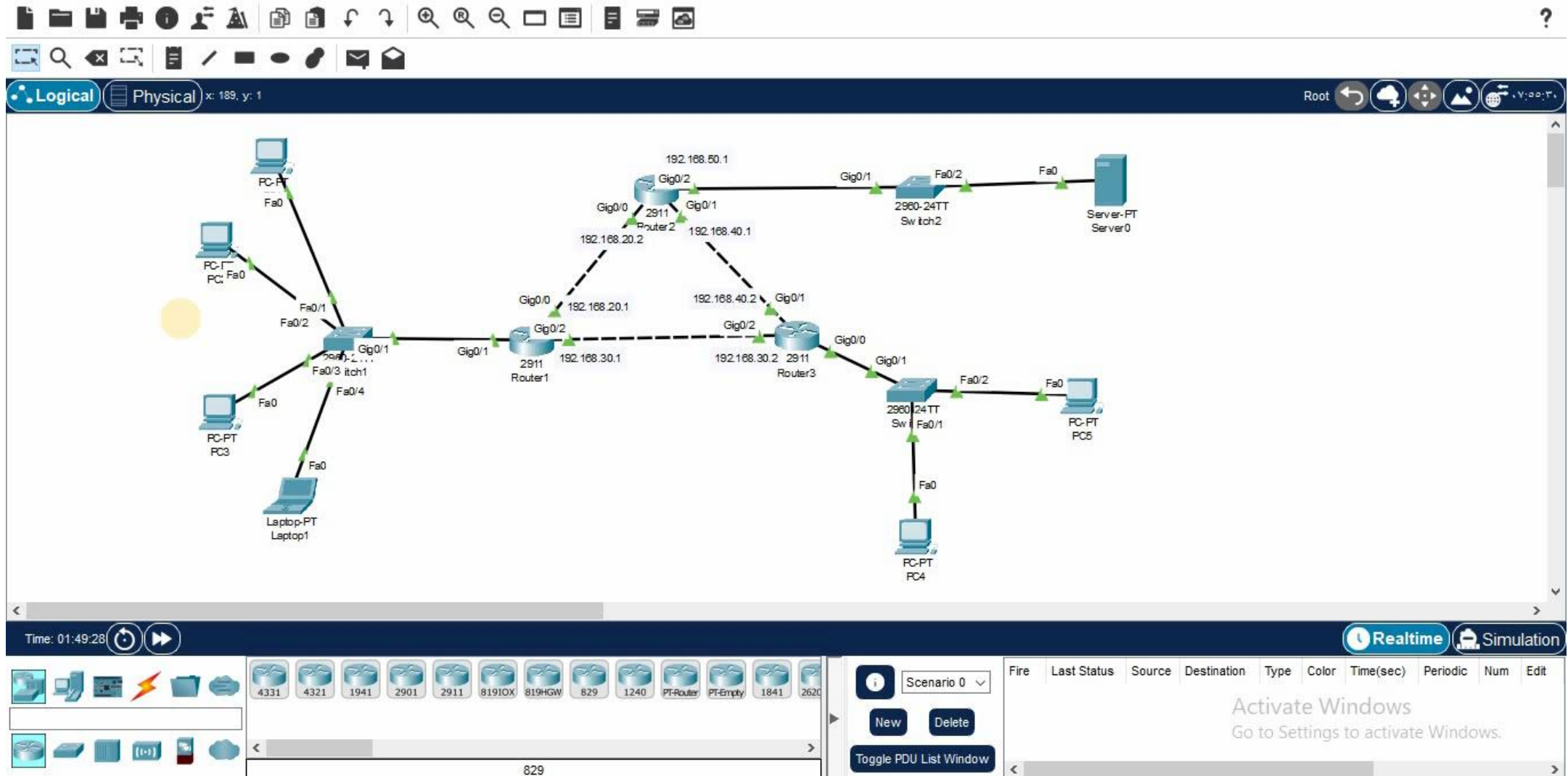
Task 1: IP addressing table and network design diagram.

Device Name	Interface	IP Address	Subnet Mask	Default Gateway
R1	G0/0	192.168.20.1	255.255.255.0	--
	G0/1.10	192.168.10.1		--
	G0/1.11	192.168.11.1		--
	G0/2	192.168.30.1		--
R2	G0/0	192.168.20.2		--
	G0/1	192.168.40.1		--
	G0/2	192.168.50.1		--
R3	G0/0.20	192.168.60.1		--
	G0/0.21	192.168.61.1		--
	G0/1	192.168.40.2		--
	G0/2	192.168.30.2		--

Task 1: IP addressing table and network design diagram.

SW1	Fa0/1	--	--	192.168.10.1
	Fa0/2	--	--	
	Fa0/3	--	--	192.168.11.1
	Fa0/4	--	--	
SW2	Fa0/2	--	--	192.168.50.1
SW3	Fa0/1	--	--	192.168.60.1
	Fa0/2			192.168.61.1
PC1	Fa0	192.168.10.2	255.255.255.0	192.168.10.1
PC2		192.168.10.3		
PC3		192.168.11.2		192.168.11.1
Laptop1		192.168.11.3		
PC4		192.168.60.2		192.168.60.1
PC5		192.168.61.2		192.168.61.1
Server	Fa0	192.168.50.2		192.168.50.1

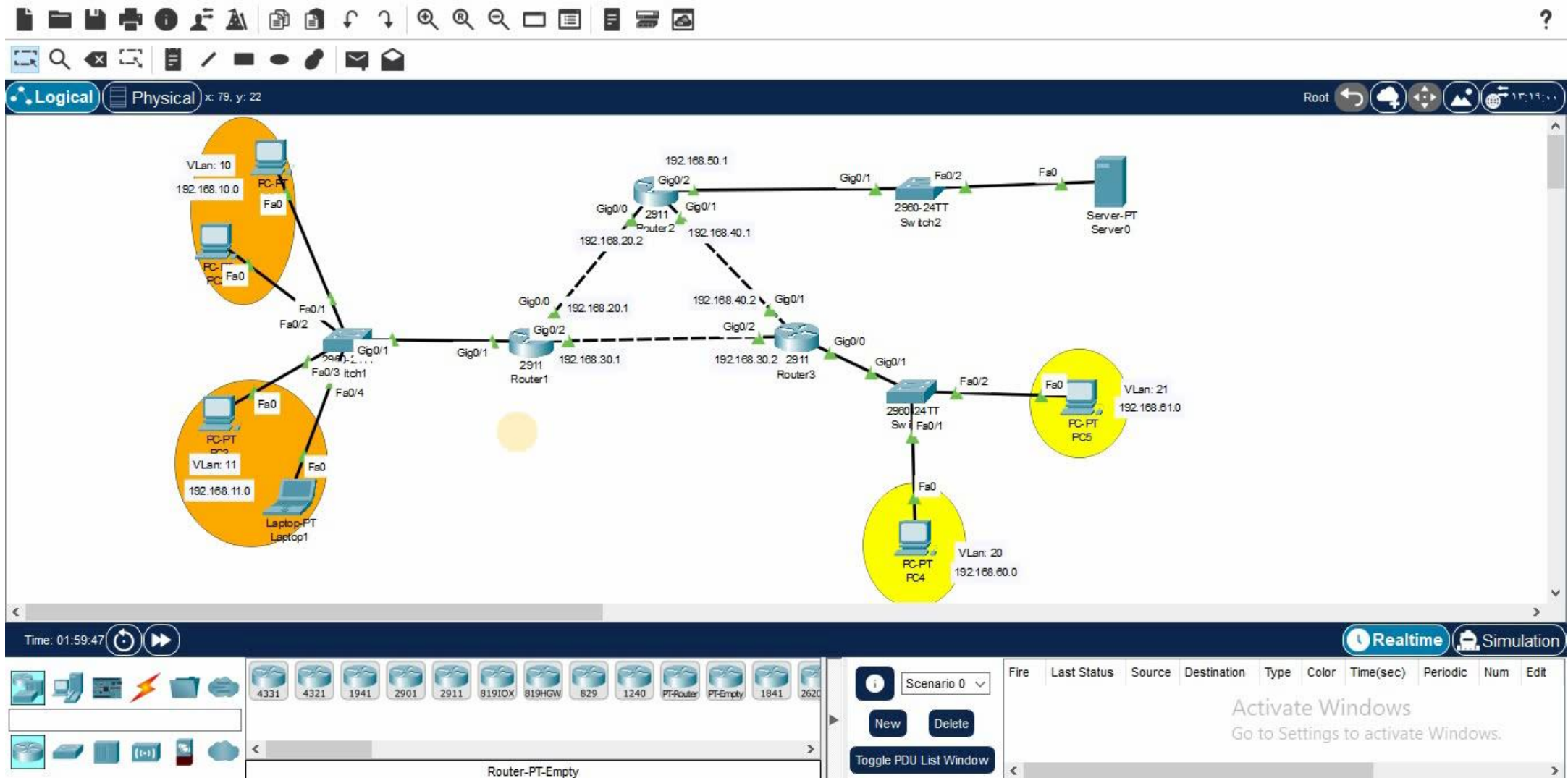
Task 1: Design demo Video



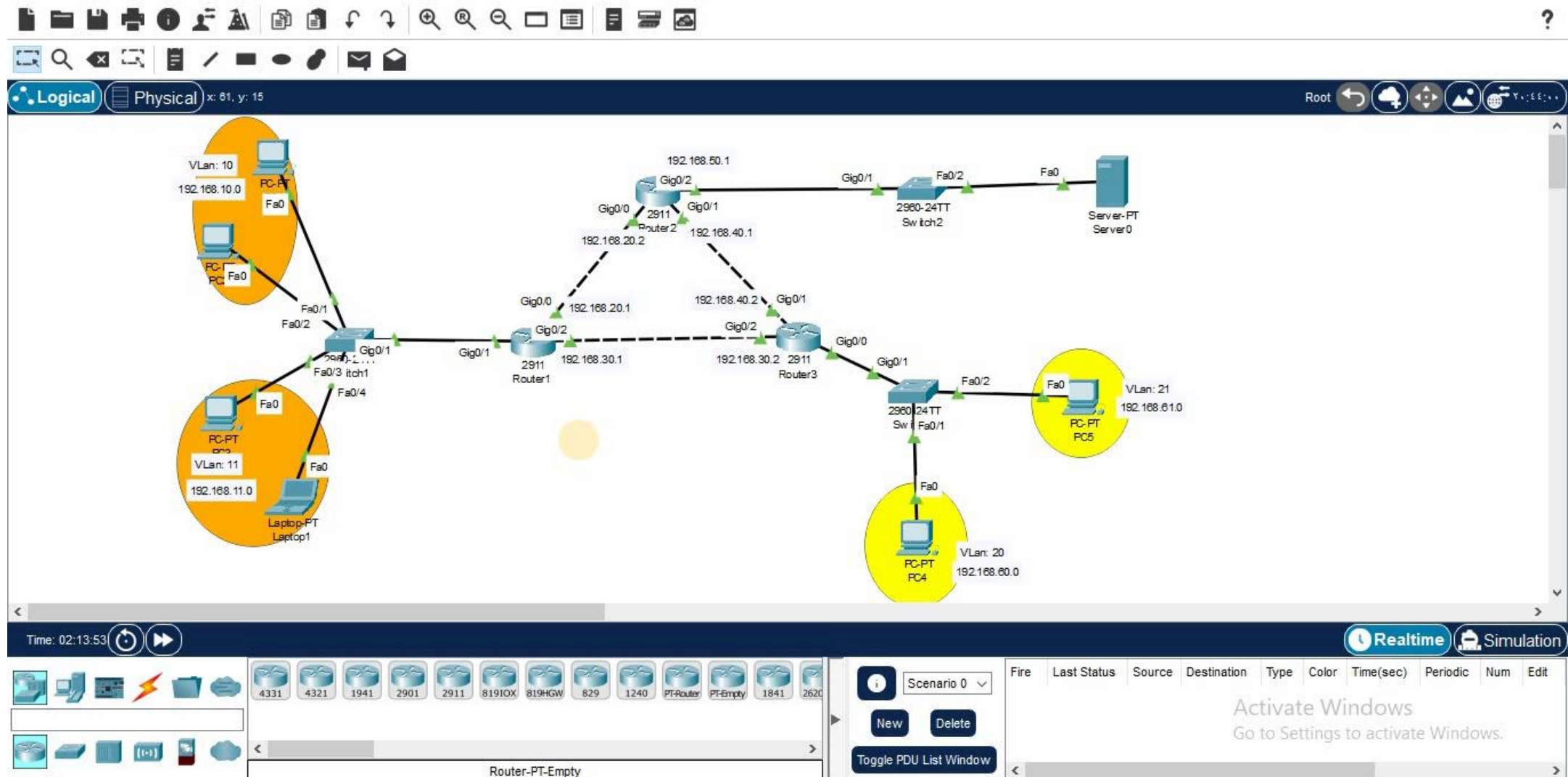
Task 2: Vlans and Inter_Vlan Routing.

Switch	Vlan Number	Vlan Name	Port Numbership	Network
SW1	10	--	Fa0/1 Fa0/2	192.168.10.0
	11	--	Fa0/3 Fa0/4	192.168.11.0
SW3	20	--	Fa0/1	192.168.60.0
	21	--	Fa0/2	192.168.61.0

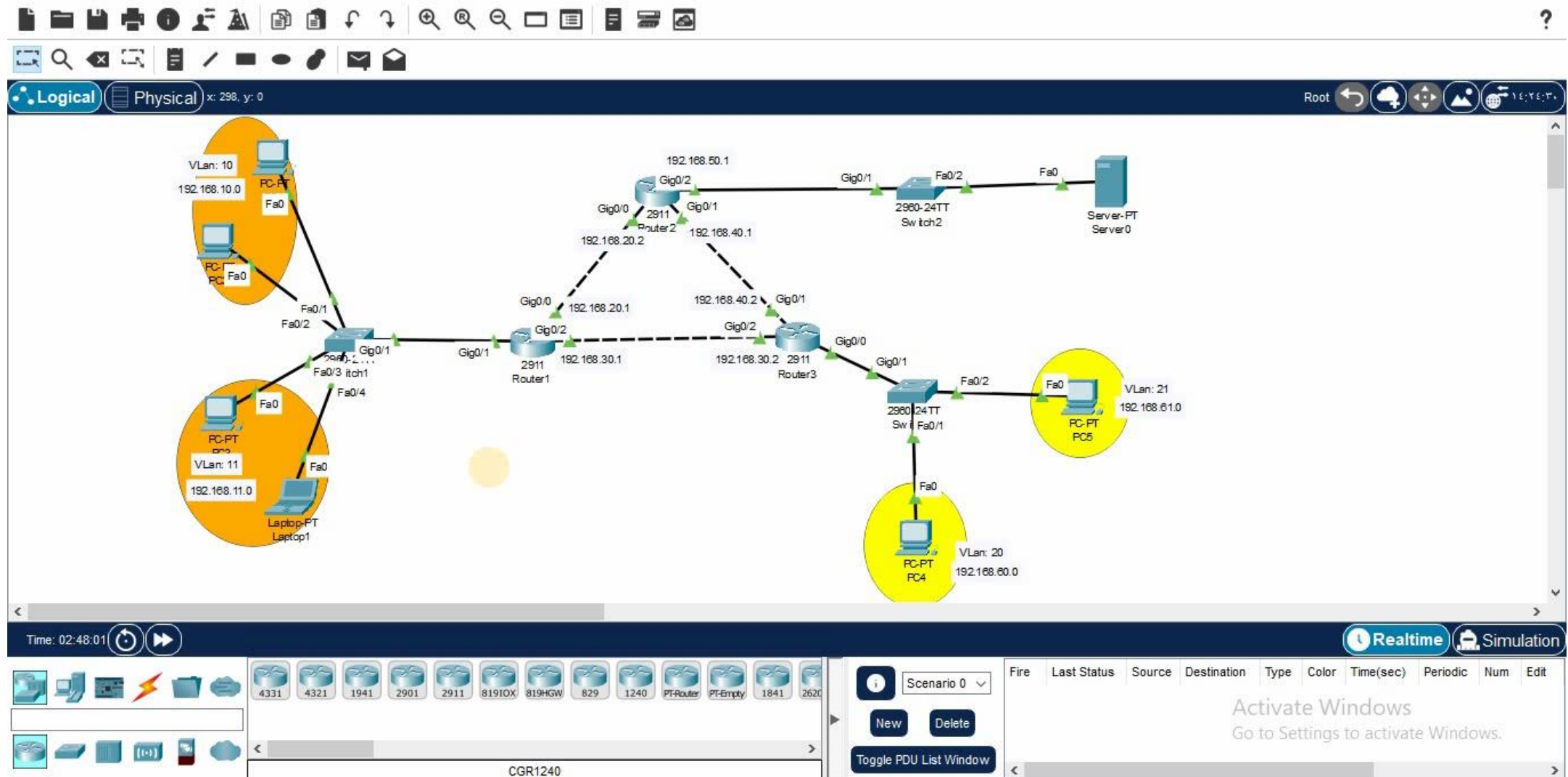
Task 2: Vlan demo Video.



Task 3: Apply DHCP (R1,R3).



Task 4: Dynamic routing (RIPv2).



Task 5: Port Security, ACL and SSH.

Port

- Apply on all Switchs.

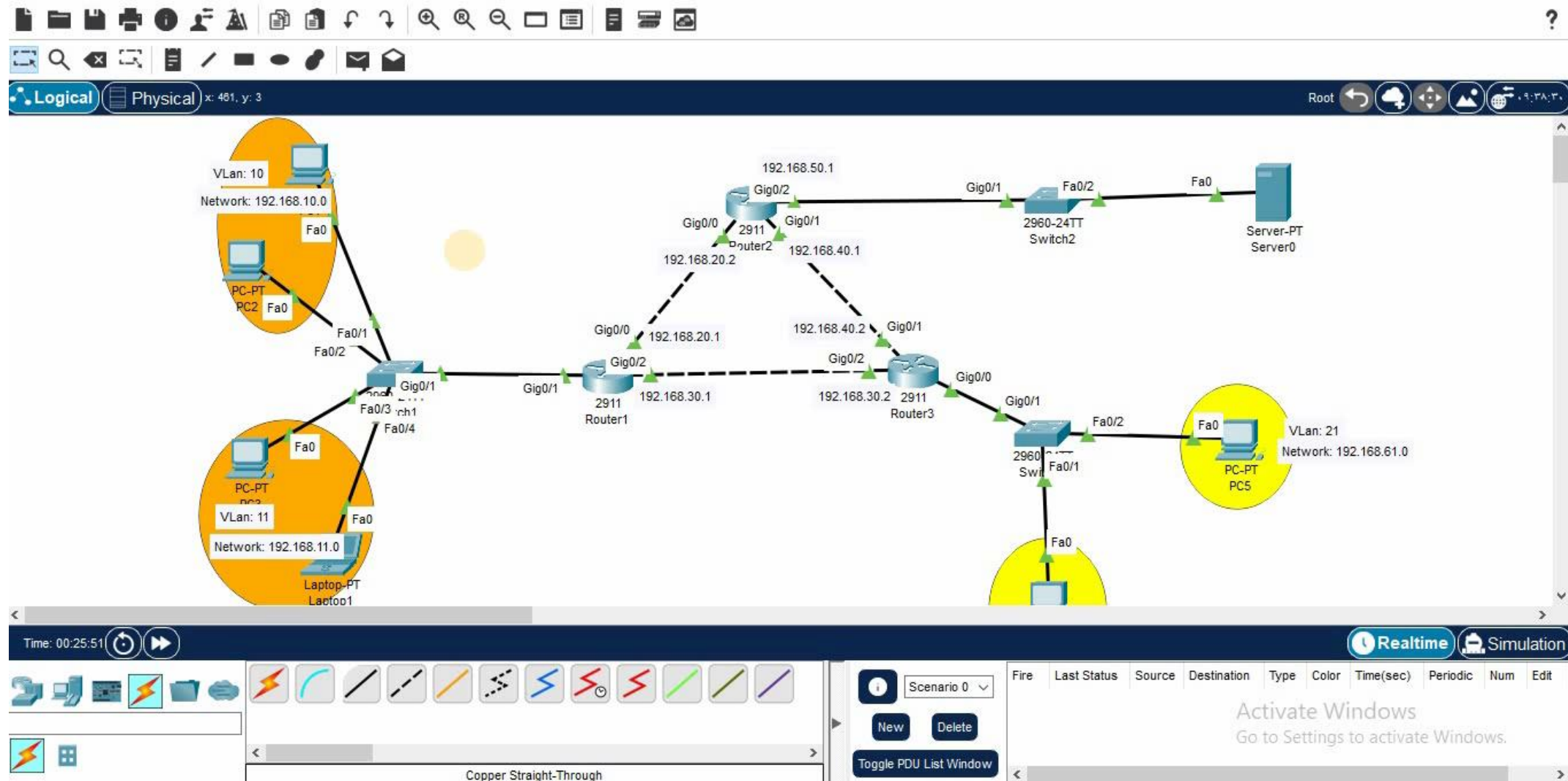
ACL

- http - -> permit on net(192.168.10.0) – deny from net(192.168.11.0).
- ftp - -> permit on net(192.168.61.0) – deny from net(192.168.60.0).

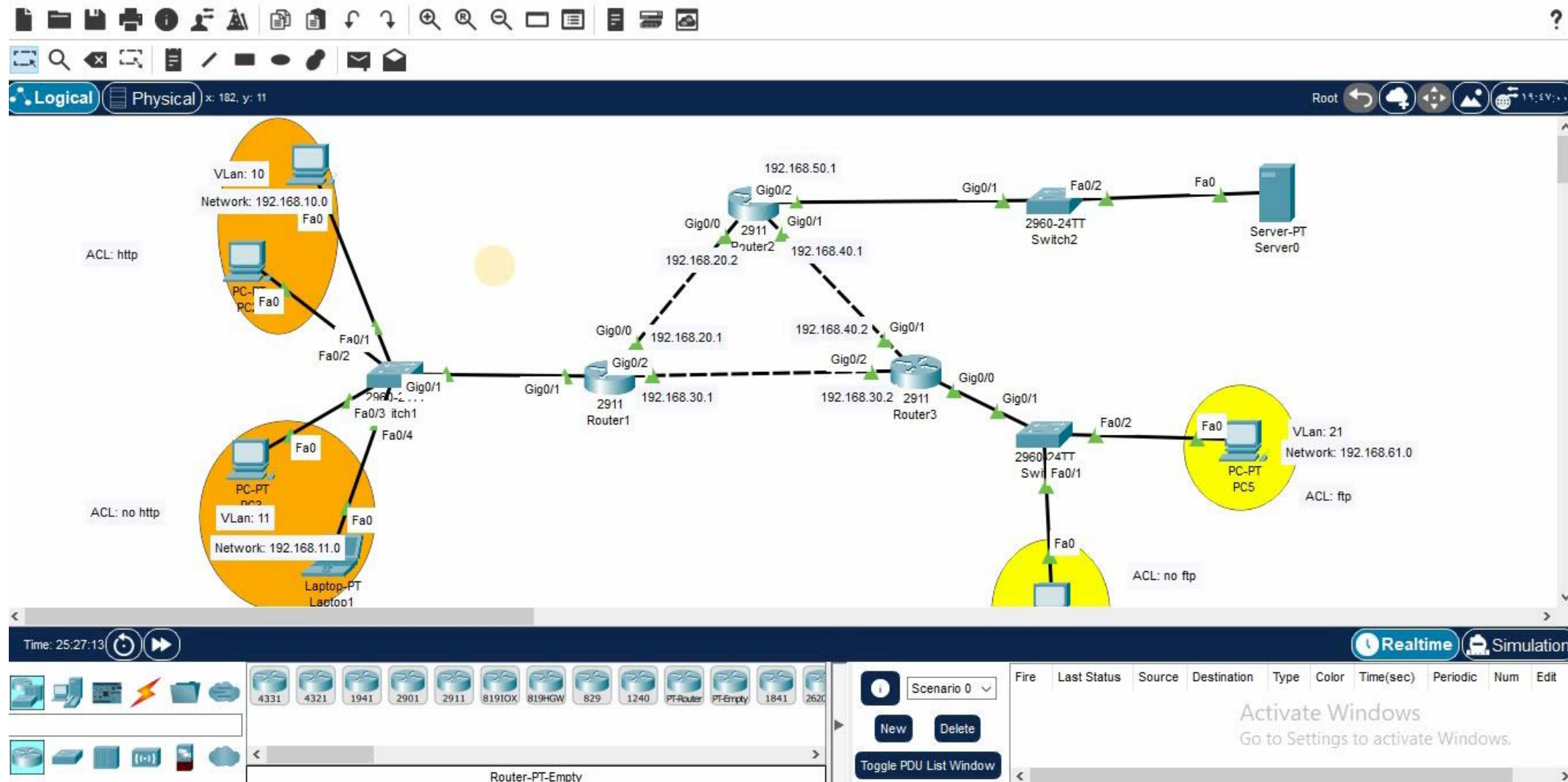
SSH

- Apply on all Routers.

Task 5.1: Port security video.



Task 5.2: Access Control List(ACL) video.



Task 5.3: SSH

Protocol	Device	username	password
SSH	R1	admin	DEPI
	R2		
	R3		

Passwords for modes devices

Device	Mode	password
R1	User mode Privilege mode	DEPI
R2		
R3		
SW1		cisco
SW2		
SW3		