**Superior University (Gold Campus)**

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Task 2

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**Department of Software Engineering**

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# **Router 2911**

**Why we use 2911 router and not the others?**

**2911**

* The 2911 supports a range of services such as security (firewall, VPN), voice, and data, making it suitable for diverse networking needs.
* It has scalability.
* It has cost effectiveness.
* It has high throughput.
* Good performance and reliability.

**Others router**

* Others router have high cost.
* Performance is slow than 2911 router.
* Others router cannot handle work load.

# **Switch 2950 2960**

**Why are we using 2950T or 2960 switch and not the others?**

**2960 switch**

* Provide low cost of ownership for deployment.
* It is second layer (data link layer) switch.
* With the 2960G, getting max 1Gbps inbound speed on a single connection.

**2950T switch**

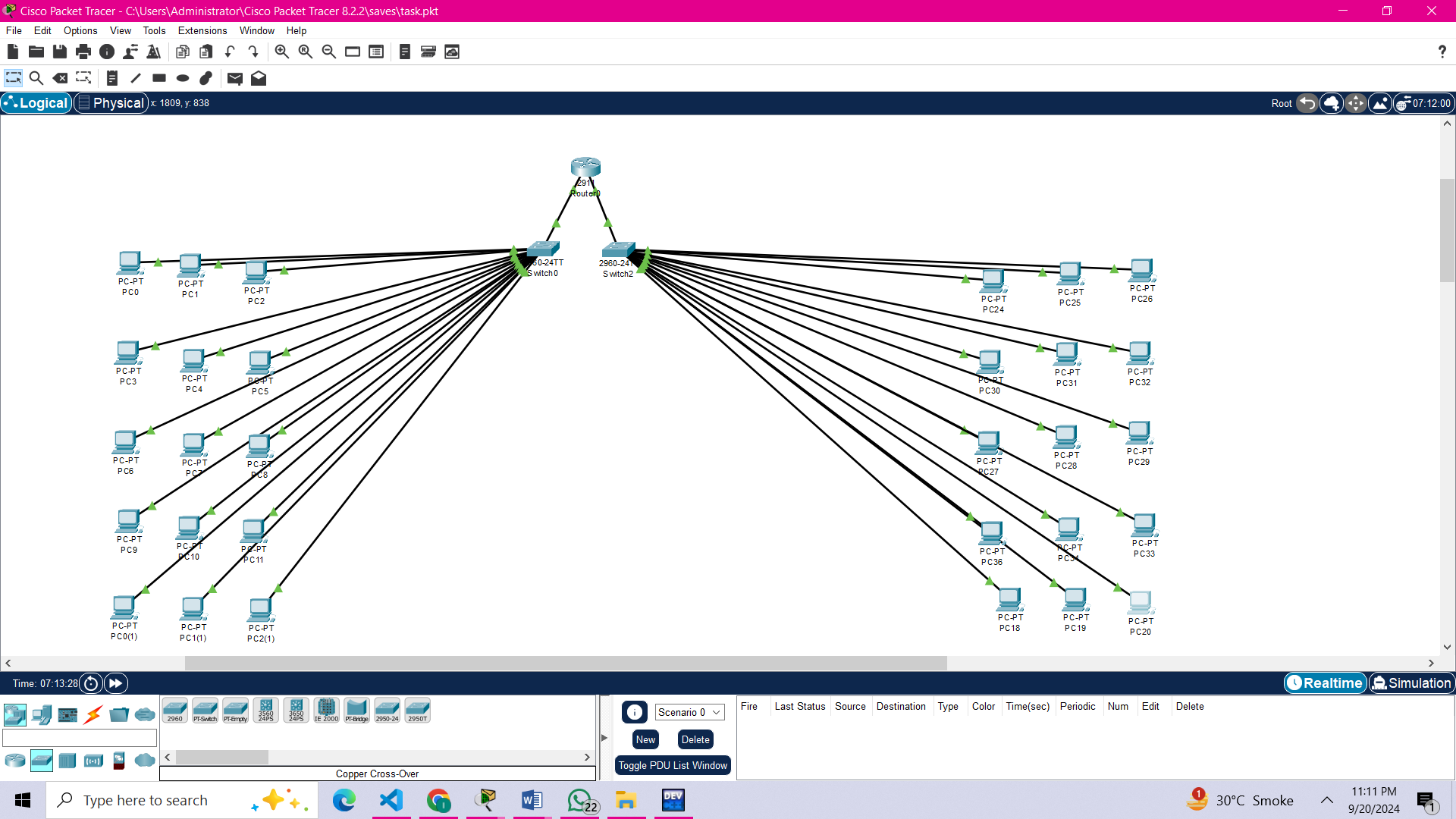
* It supports VLAN.
* It provide multicast system.
* It provide wire-speed Fast Ethernet and Gigabit Ethernet connectivity.

**Others switch**

* Others switch are not advance.
* They are simple switch.
* Higher price switch.
* Others switch are not necessary for all environments.

# **GUI Network of Lab 7**

***Make and copy the network of "Lab-7" (2-3rows of computers, or all) and assign IP to all the systems. (User Server, Switch & End-Devices: Laptop/PC)***

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