

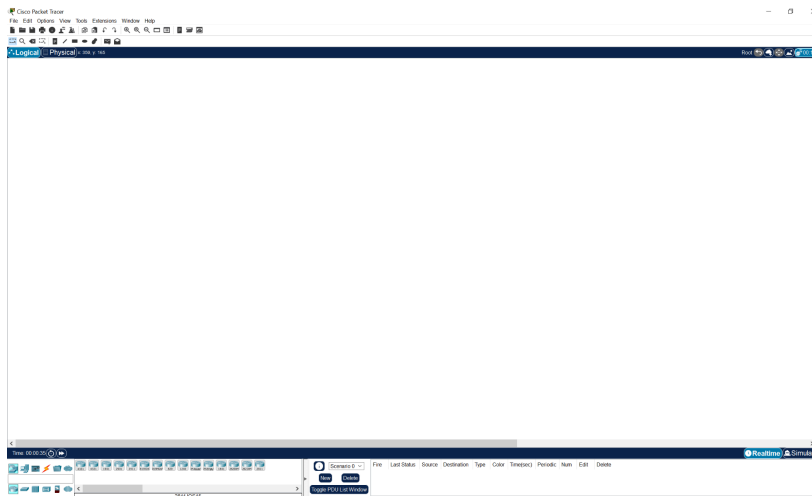
What is Packet Tracer?

Packet Tracer is a simulation tool designed by Cisco that allows users to create network topologies (arrangement of a network) and imitate modern computer networks.

- Allows users to simulate the configuration on Cisco routers and switches

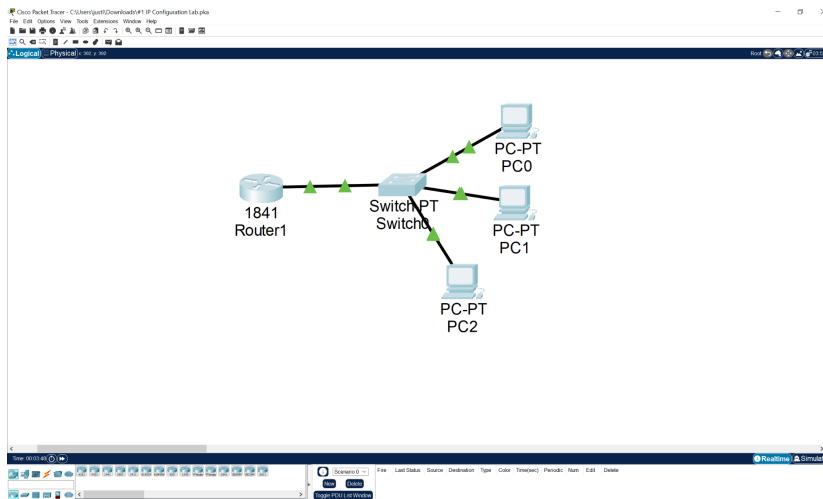
What does it look like?

Blank:



- The bottom left allows you to select devices that you want in your network topology
- The white screen is your workspace
- The bottom right details packet information

With a Network Topology:



- The green triangles indicate a good connection between the devices
- The black lines indicate a physical connection between the devices
- The names indicate the type of device it is

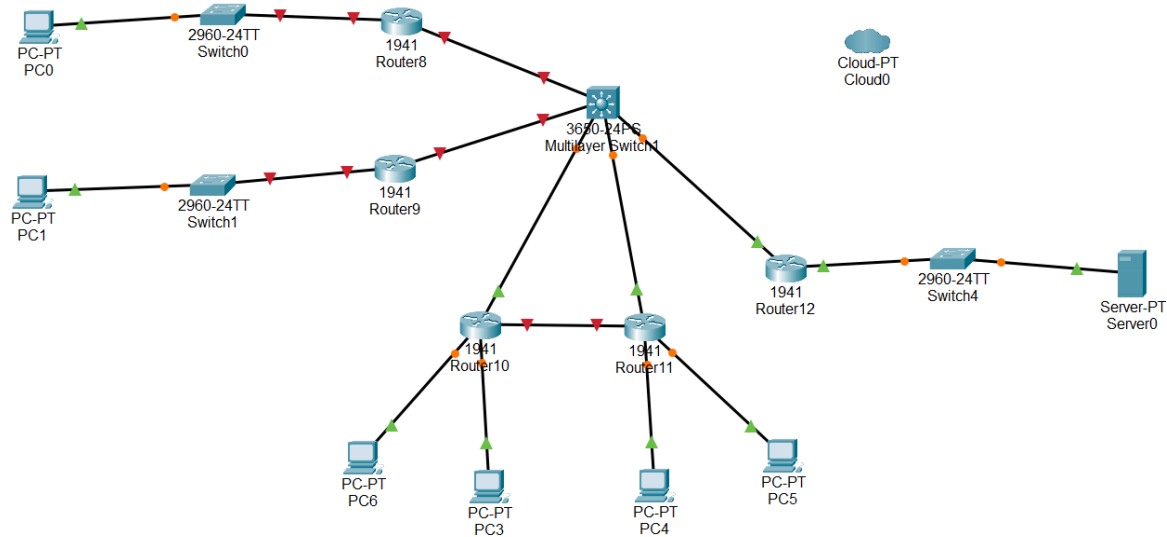
How do you configure devices?

- Click on a device

- Select CLI at the top of the panel

What does the Topology look like on Competition Day?

Round 1:



What do you have to do?

- You will be given instructions on what to configure on each device
 - Typically come with a configuration table that details the specifications of each device to aid and assist you

Device	Interface	IP Address	Subnet Mask	Default Gateway
Router1	Fa0/0	192.168.0.1	255.255.255.0	n/a
Router1	Fa0/1	192.168.10.1	255.255.255.0	n/a
PC0	Fa0/1	192.168.0.2	255.255.255.0	192.168.0.1
PC1	Fa2/1	192.168.0.3	255.255.255.0	192.168.0.1
PC2	Fa3/1	192.168.0.4	255.255.255.0	192.168.0.1
PC3	Fa2/1	192.168.10.5	255.255.255.0	192.168.10.1
Laptop0	Fa1/1	192.168.10.6	255.255.255.0	192.168.10.1
PC4	Fa1/1	192.168.10.7	255.255.255.0	192.168.10.1
PC5	Fa2/1	192.168.10.8	255.255.255.0	192.168.10.1
Server0	Fa3/1	192.168.10.9	255.255.255.0	192.168.10.1

Device	Hostname	Password	Encrypted Password	Password Min-Length
Router1	MainRouter	C1sc0R0cks	\$3cr3t0n3	5
Switch0	SwitchOne	@w3s0m3	\$3cr3Tw0	n/a
Switch1	SwitchTwo	n0t@w3s0m3	\$3cr3tThr33	n/a
Switch2	SwitchThree	\$up3r@w3s0m3	\$3cr3tF0ur	n/a