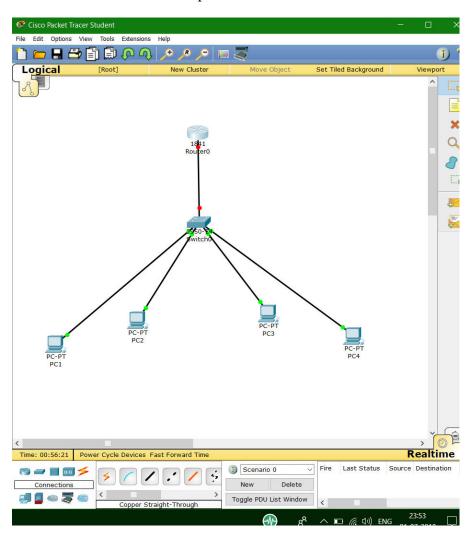
# Network Analysis Project

## **TOPIC- Creating VLANs**

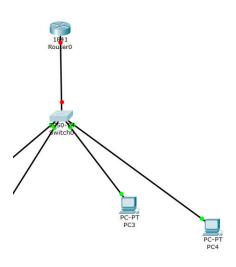
## by Saurav Panigrahi

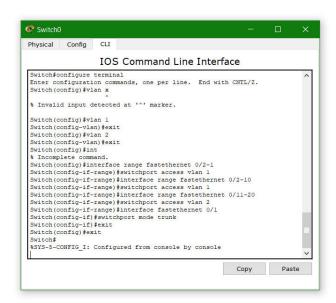
## Steps

- 1. We set up a router.
- 2. We set up a switch(2950,24 ports)
- 3. We set up 4 PCs.
- 4. PC 1 and PC 2 belong to one VLAN while the PC 3 and PC 4 belong to the other.
- 5. All the devices are wired up.

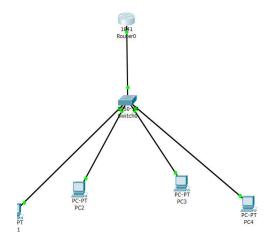


#### 6. ios CLI for switch





- 7. 2 Virtual Ports have been created.
- 8. Assigning IP address to the computers
- 9. ios CLi for Router





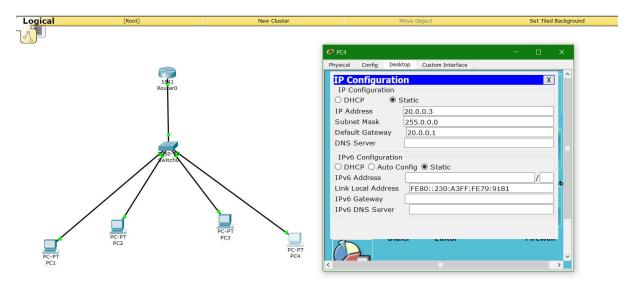
## 10. Assigning IP address to each PCs

PC 1- 10.0.0.2

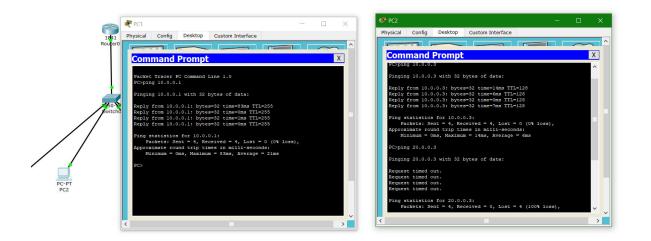
PC 2- 10.0.0.3 Default VLAN 1 ip - 10.0.0.1

PC 3- 20.0.0.2 Default VLAN 2 ip - 20.0.0.1

PC 4- 20.0.0.3



# 11. Checking the connections by testing the ping



There is req timeout in PC2 second case because it is searching route to VLAN 2.

# 12. Visualising in Simulation Mode

