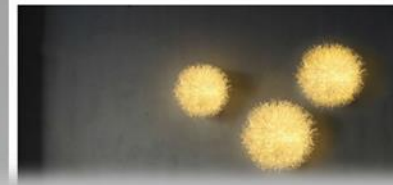


# The Small Network Infrastructure of the Home Decoration Company

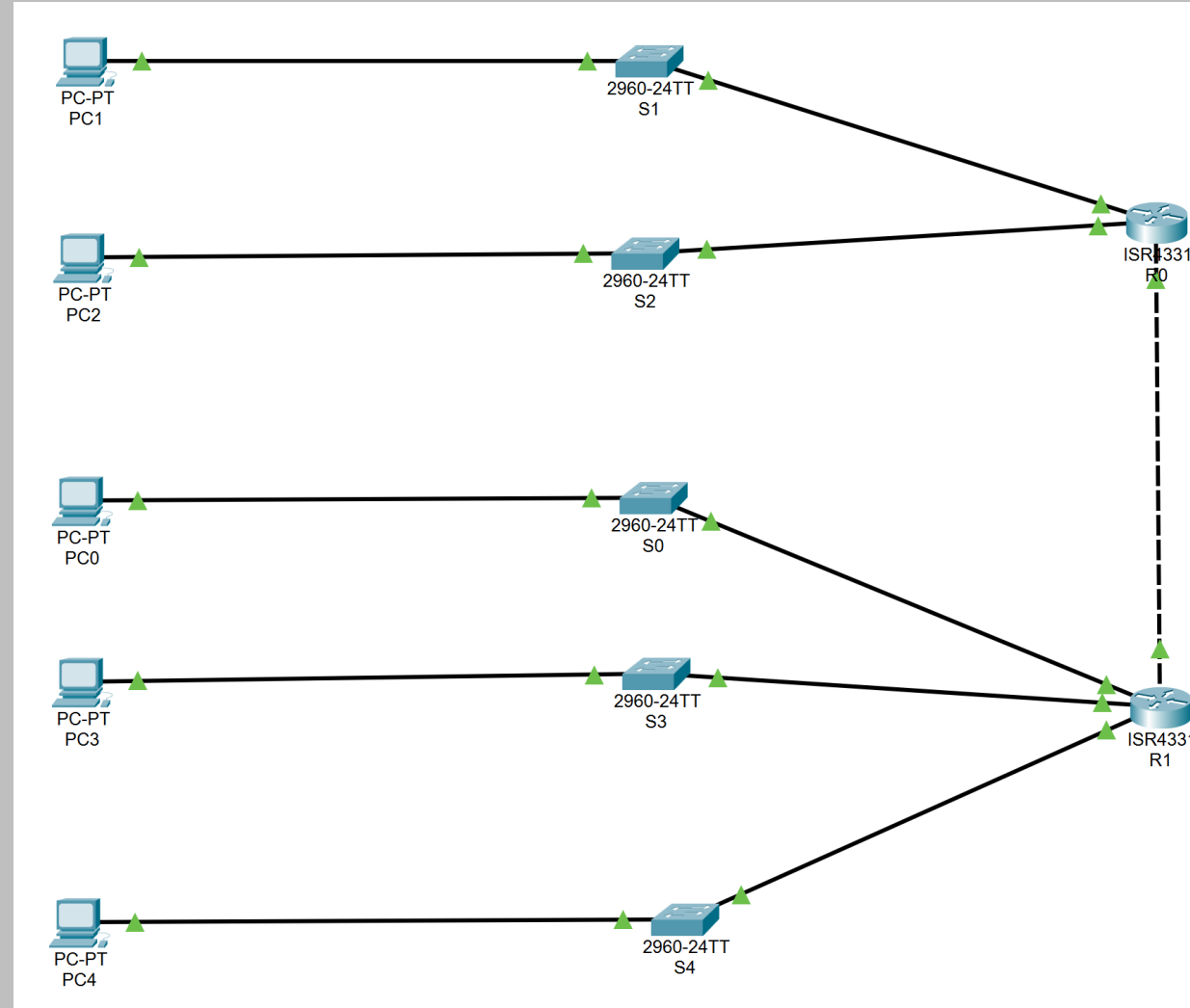
By: Shamir Tucker and Sara Martellotta

# Business Model + Mission



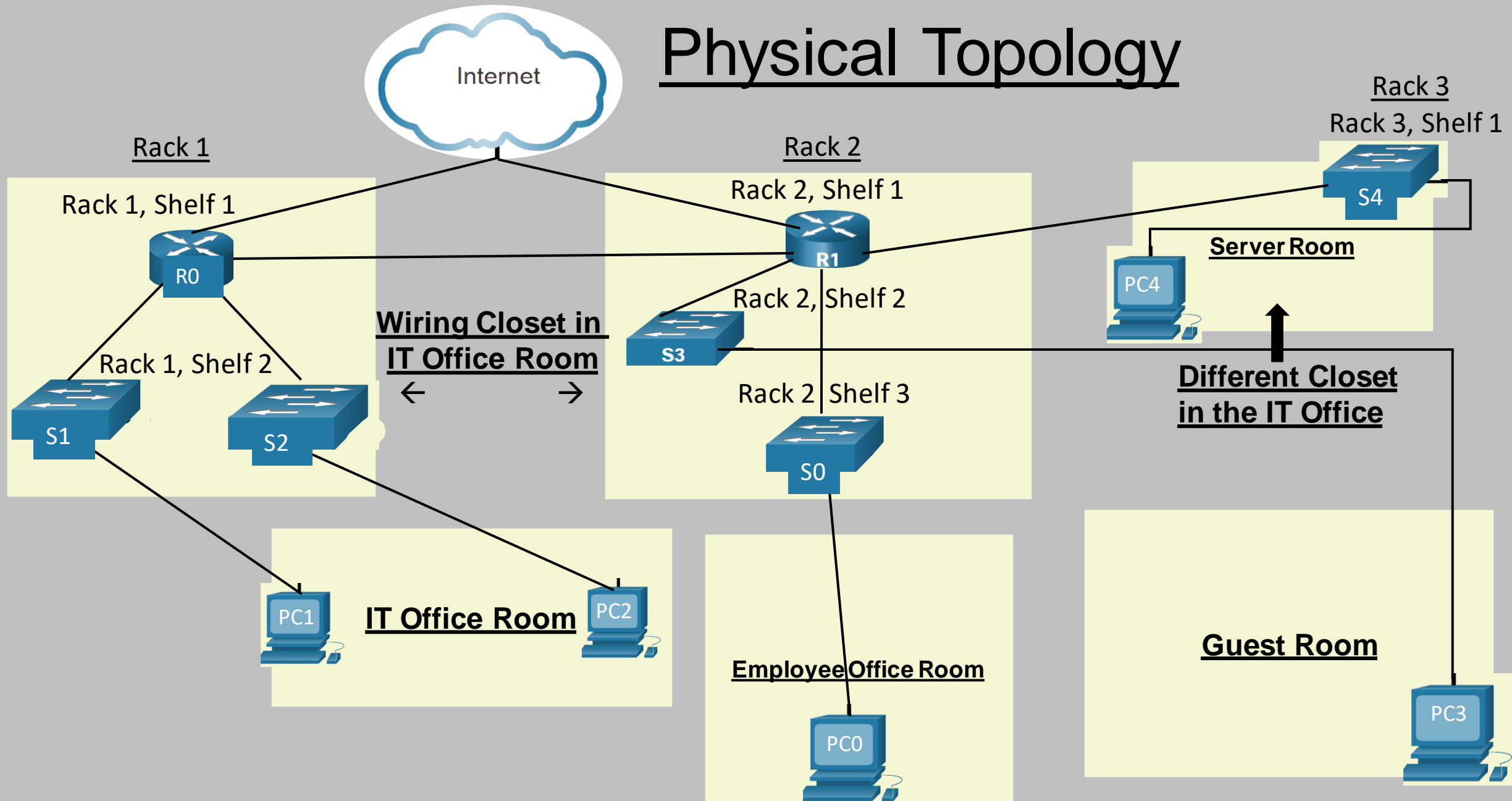
# Physical Topology

The *point-to-point* physical topology of our small business infrastructure is set up to accommodate a brand-new company with very few employees and office end devices (i.e., printers, telephone landlines, etc.).



*Point-to-Point* physical topology, permanent link between the routers.

# Physical Topology



# Logical Topology

## Host's Accommodated

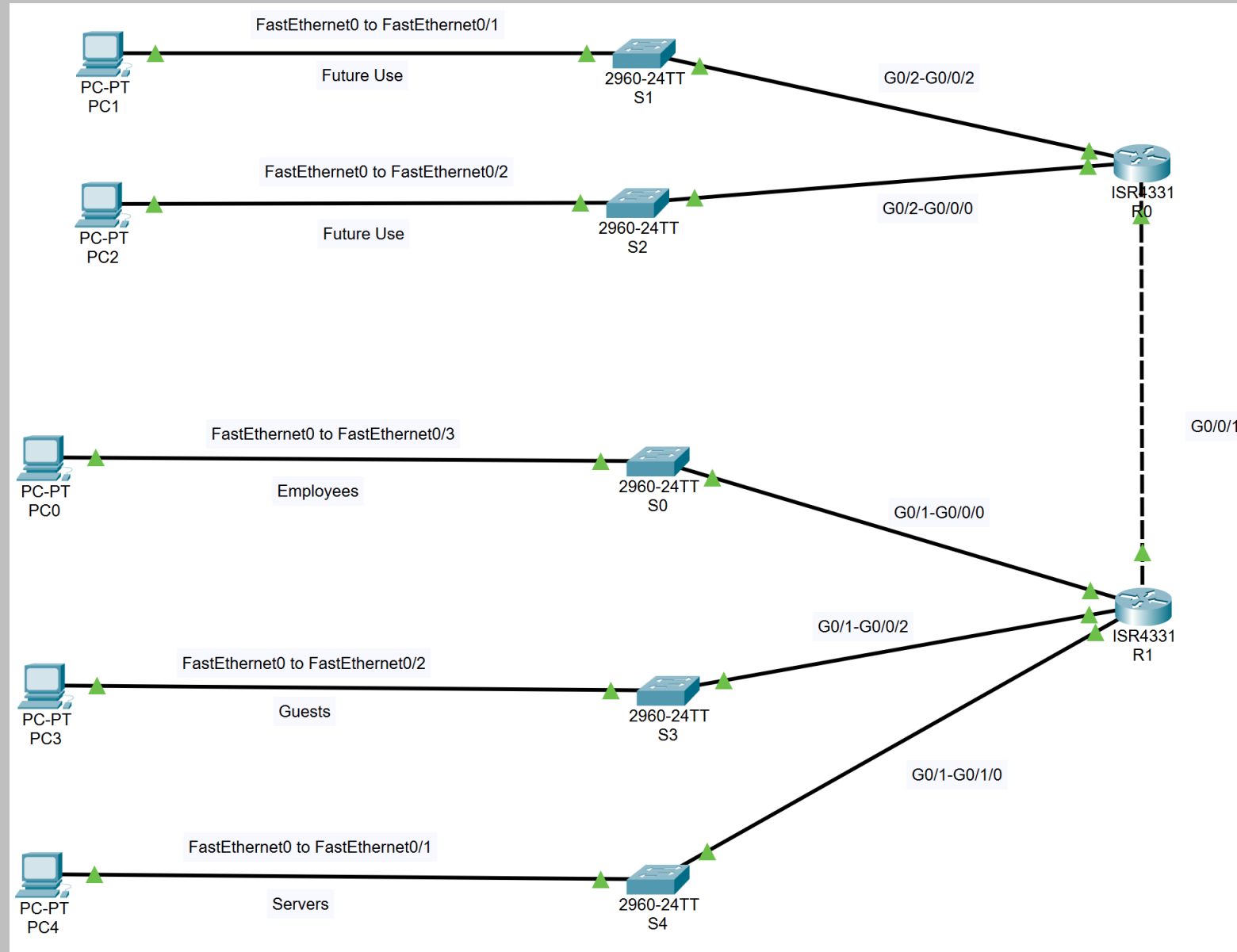
Subnetwork 1: 220 hosts

Subnetwork 2: 100 hosts

Subnetwork 0: 60 hosts

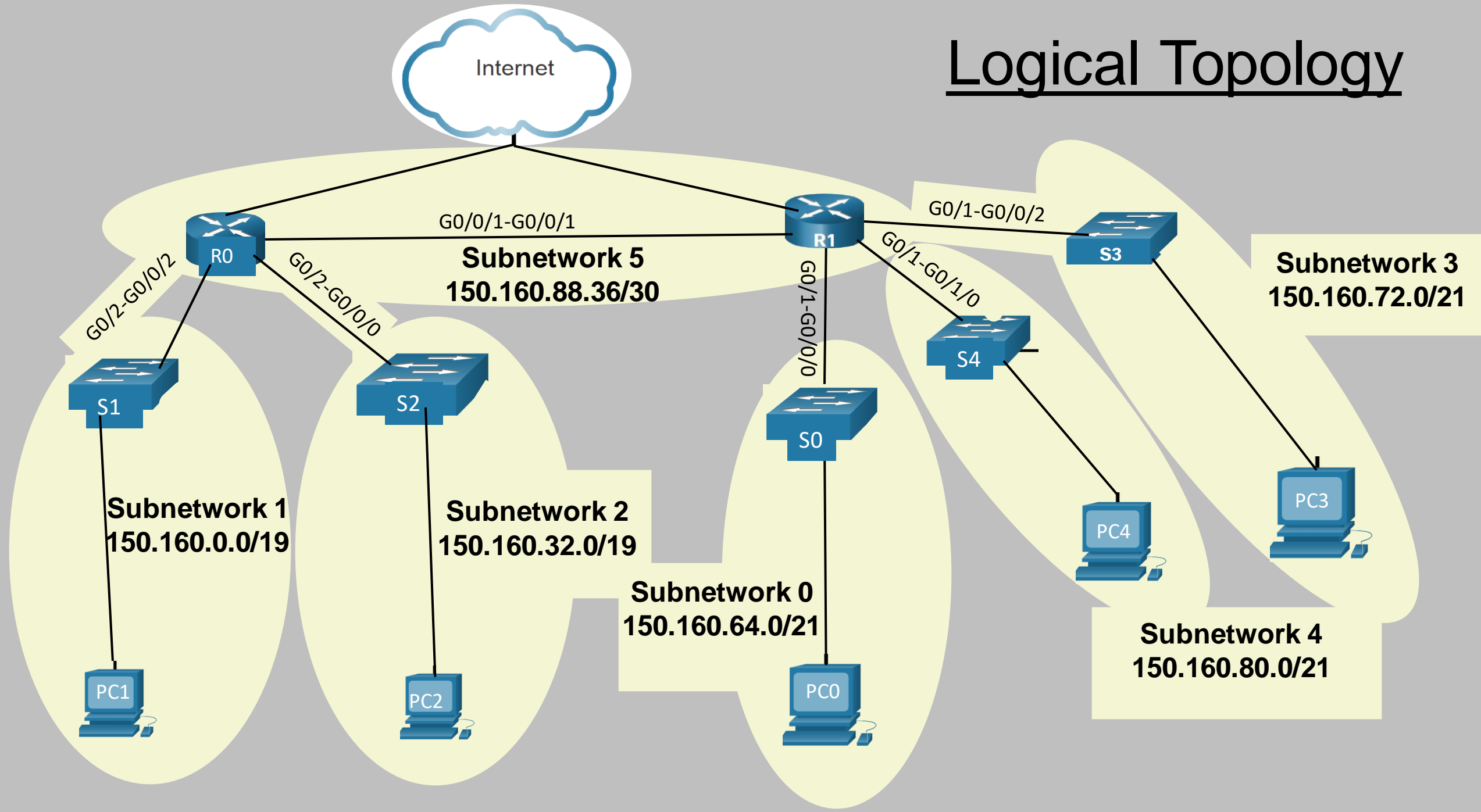
Subnetwork 3: 30 hosts

Subnetwork 4: 10 hosts



Subnetwork 5:  
WAN connection

# Logical Topology



# Experience Gained

- Communicate with partner in a timely fashion.
- Communicate questions to Professor efficiently and effectively.
- Learned how to VLSM subnet, networks and subnetworks.
- Specifically for this project, from a /16, to a /19, to /21, then a /27, and finally a /30 prefix.
- Reinforced our binary and decimal conversion skills.
- Properly configured devices & interfaces in a small network.
- Learned how to create a network for a small business, the logistics on how it would really be set up.

# Sources

- [20 Unique Coffee Tables For Your Living Room \(housely.com\)](https://www.housely.com/articles/living-room-coffee-tables/)
- [Cool Coat Racks for Cool Weather - Abode \(qualitybath.com\)](https://www.qualitybath.com/coat-racks/)
- [Introduction to Networks -Introduction \(netacad.com\)](https://www.netacad.com/courses/networking/introduction-to-networks/)