

# BASIC NETWORK TOPOLOGY

## Objective

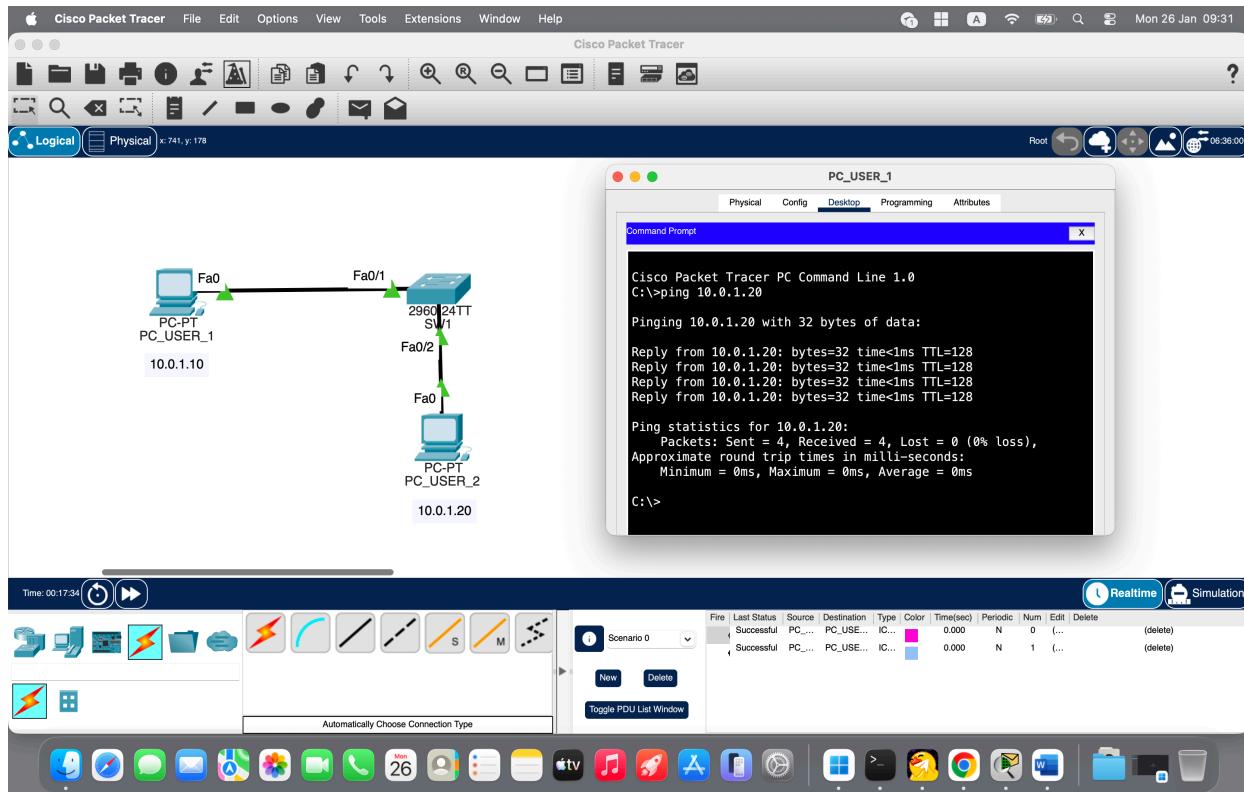
Create a simple local area network and verify basic connectivity between end devices.

## Topology

- >  $2 \times \text{PC}$
- >  $1 \times \text{Cisco 2960 Switch}$

## IP Addressing

Device	Interface	IP Address	Subnet Mask
PC1	NIC	10.0.1.10	255.255.255.0
PC2	NIC	10.0.1.20	255.255.255.0



## **Tasks**

- Connect PCs to the switch using copper straight-through cables
- Configure static IP addresses
- Verify connectivity using ping

## **Expected Result**

PC1 and PC2 successfully communicate with each other.