



Network Setup and Troubleshooting

Our Team



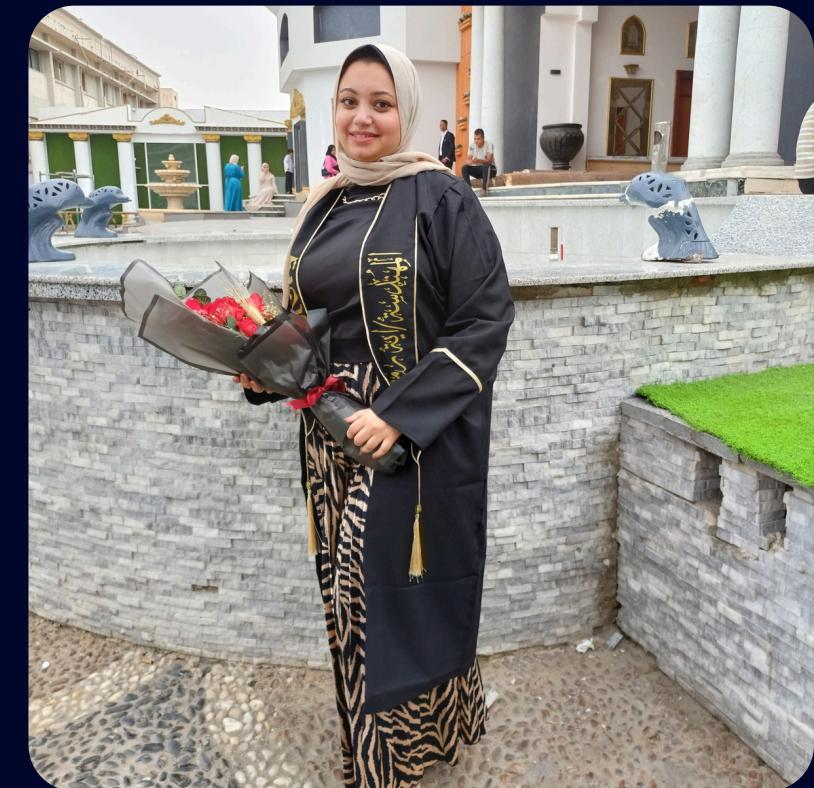
Karim Gamal



Ahmed Waleed



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Aya Ramadan



Network Description

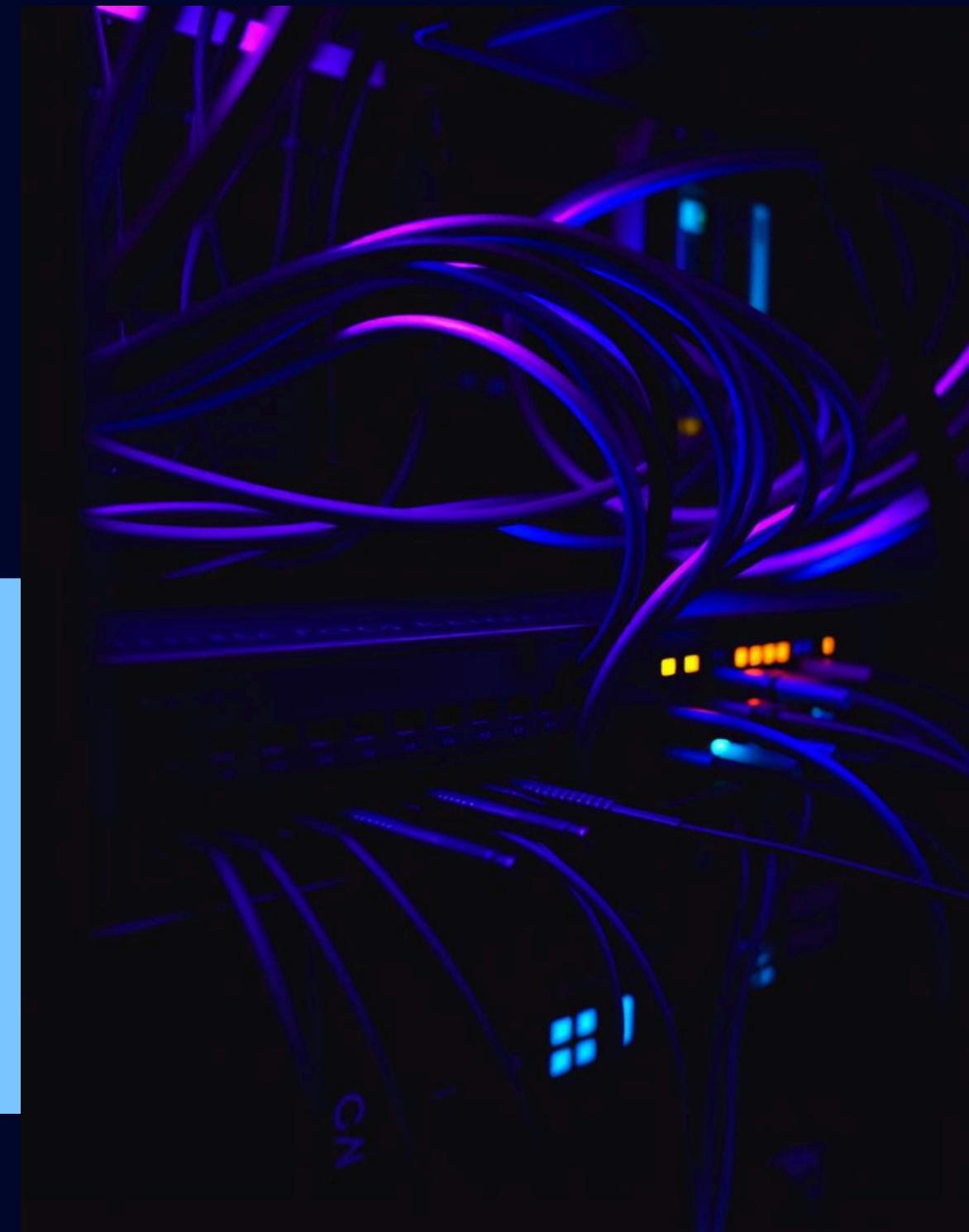
Create a local network using routers, switches, and computers or virtual machines. Configure the network with IP addresses and set up DHCP.

Introduction: Setting up our Network Lab

01 Hardware

02 Network Configuration

03 Verification and Testing





Hardware

01 Router

03 Multilayer

04 Access Point

02 Switch

04 PC,Laptop,Tablet

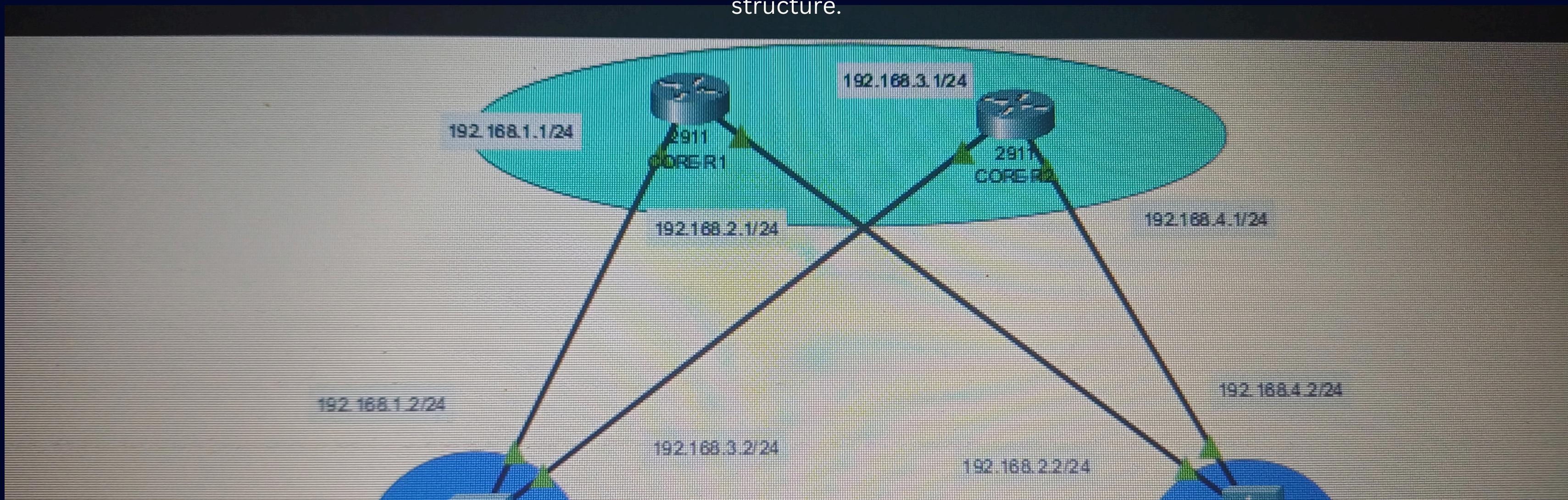
05 Printer,Server





Network Configuration

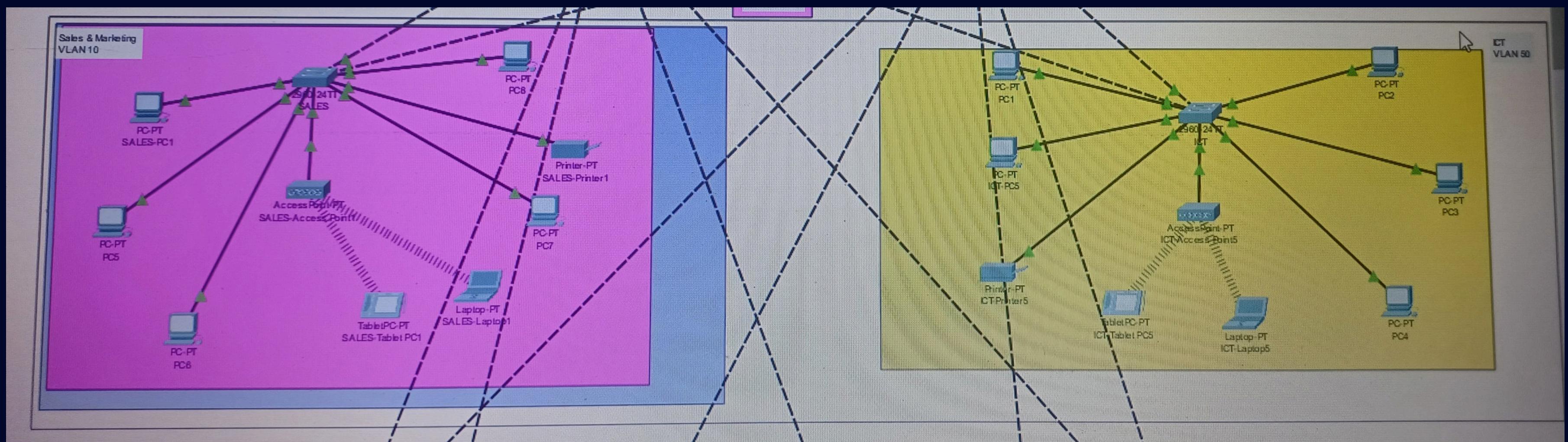
Assign DHCP IP addresses to each device.
Use a subnet mask to define the network
range and create a logical network
structure.





Network Configuration

Assign DHCP IP addresses to each device.
Use a subnet mask to define the network range and create a logical network structure.





Network Configuration

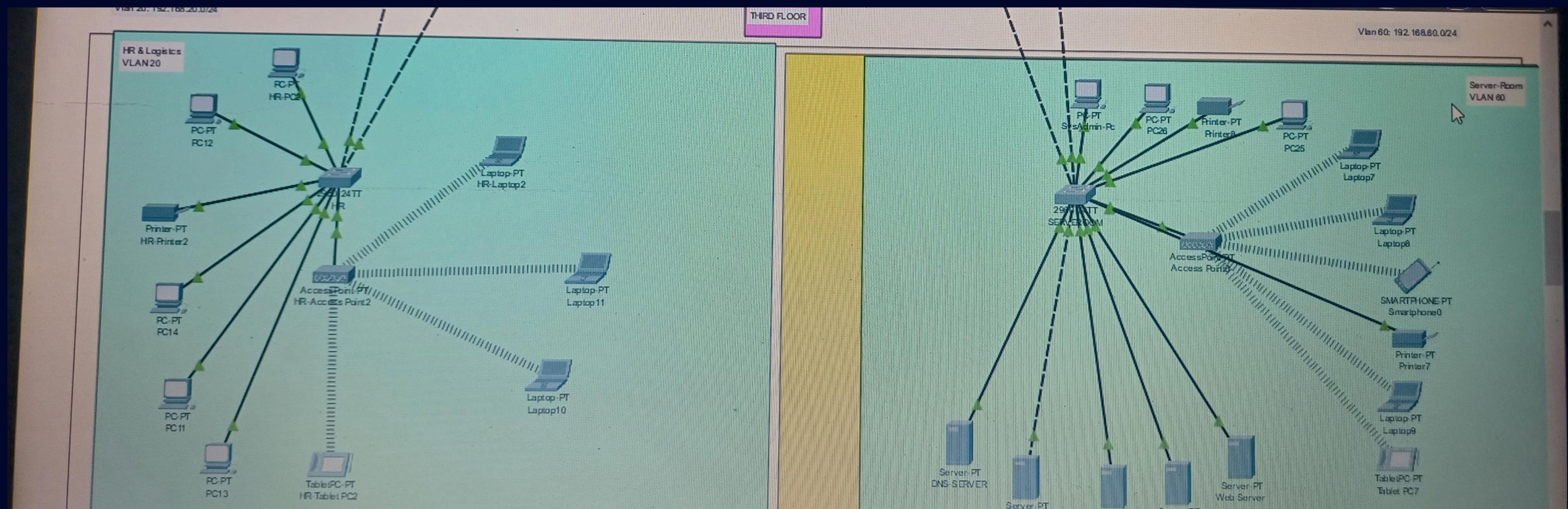
Assign DHCP IP addresses to each device.
Use a subnet mask to define the network
range and create a logical network
structure.





Network Configuration

Assign DHCP IP addresses to each device.
Use a subnet mask to define the network range and create a logical network structure.





Verification and Testing

Verify network connectivity by pinging devices across the network. Confirm that communication is successful between all connected devices



Thanking Your Viewers

Eng. MUSTAFA SALAH

**we are truly grateful for your guidance, support, and dedication in educating us
and helping us successfully complete this project**