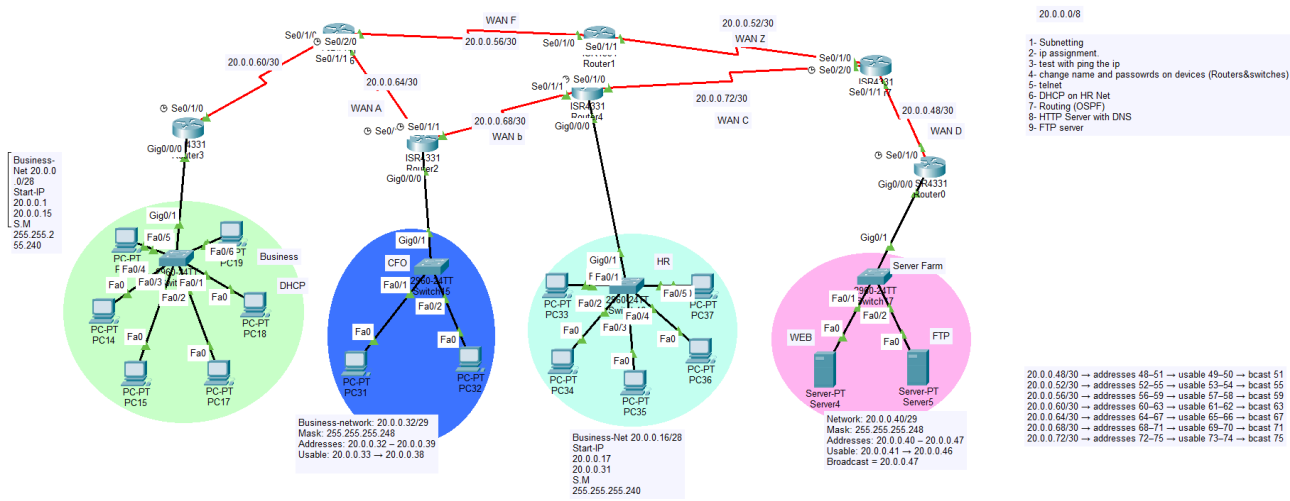


# Network project



Supervised Saher Waleed

Implemented by Hala mohammed

-Simulation

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Supervised Saher Waleed

Implemented by Hala mohammed

- Part 1 "Subnetting"
- Part 2 Basic Configurations
- Part 3 DHCP on Secretary Network
- Part 4 Routing using OSPF
- Part 5 HTTP Server with DNS
- Part 6 FTP server

The project aims to design and implement a scalable enterprise network infrastructure using proper subnetting and dynamic routing. The network is divided into multiple departmental subnets, all interconnected through serial WAN links to a central core router using the OSPF routing protocol. This design ensures efficient IP address utilization, reliable inter-department communication, and full connectivity to centralized Web and FTP servers. The implementation demonstrates best practices in network segmentation, routing, and enterprise network architecture

## Part 1 "Subnetting"

Subnetting

## Part 2 Basic Configurations

Topology Basic Configuration

## Part 3 DHCP on Secretary Network

DHCP Configuration on HR

## Part 4 Routing using OSPF

OSPF Configuration

## Part 5 HTTP Server with DNS

Add DNS Server

**Part 6 FTP server**

Add FTP Server to the network