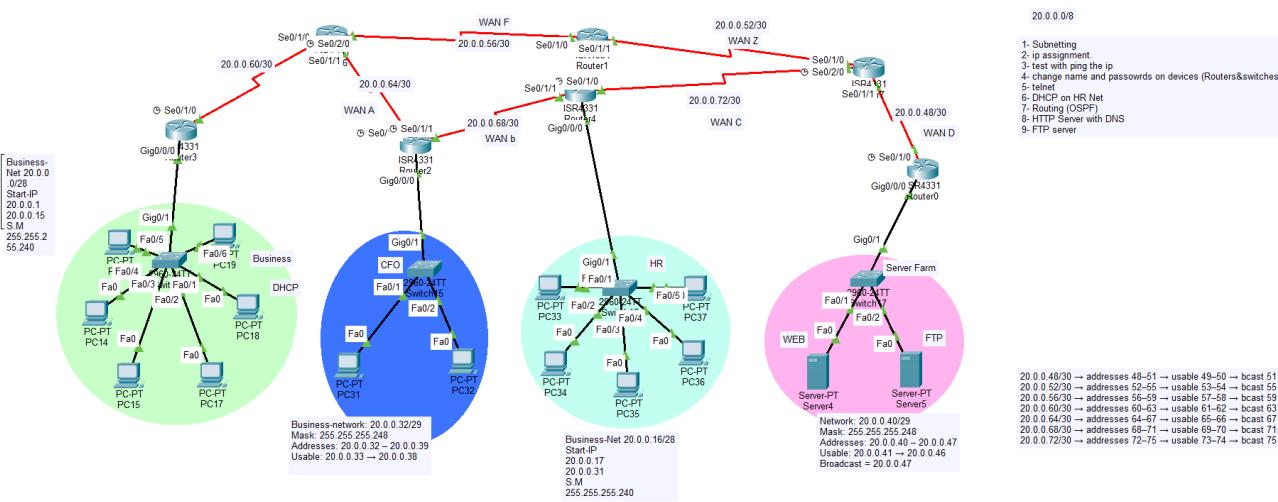


Network project



Supervised Saher Waleed

Implemented by Hala mohammed

-Simulation

[attachment:4ef1aa61-61da-461d-8078-03cd7a452d84:Simulation_network_complete_\(2\).mp4](#)

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](#)