BUILDING A NETWORK -LAN, WAN, &WLAN

A.ABOUT PROJECT

Title:- Building a Network Using LAN, WAN, &WLAN Connections

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Little Explanation:- Configured Switch, Router & DHCP Servers to connect the LAN, WAN &WLAN connections

B.EXPLAINING ABOUT PROJECT

The objectives of the project are to build LAN, WAN, and WLAN networks and test network connectivity. Host Services use DHCP, DNS, WEB & MAIL Server to create IP Addresses and Services as part of the delivery of Network services. Excipility defines the WLAN settings, routing protocols, and WAN network. To establish Network connection, we have also implemented wire and wireless networks. Many servers have also been employed in this and their Ip addresses may be heard.

DHCP Server:- 10.1.22.2

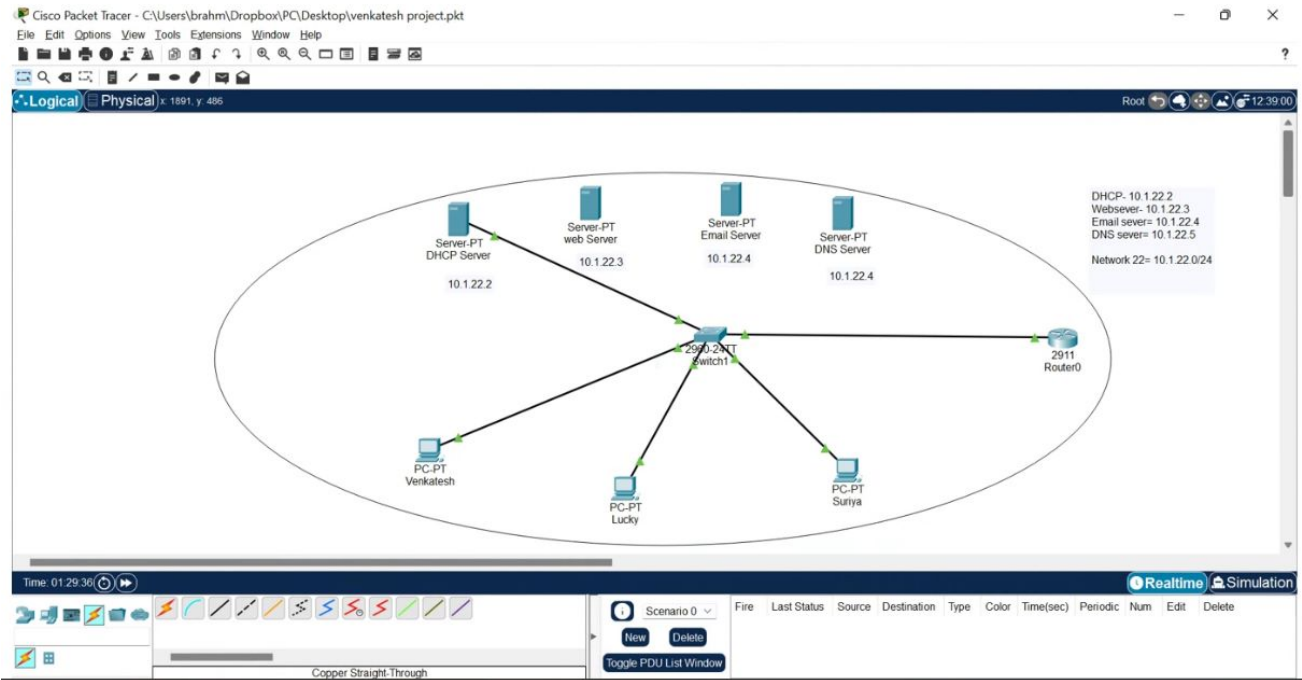WEB Server:-   10.1.22.3

MAIL Server:- 10.1.22.4

DNS Server:- 10.1.22.5 and the

Network Address:- 10.1.22.0/24

In this, The system/ devices present in the network were given IP addresses through DHCP

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In this diagram, four different servers and computers will be used for the network connection, along with a router and main switch that we have named Wan router one layer 1switch for the main switch (2960-24TT). we then connected the two devices and configured them to establish the connection between them. Then we connected to the Main switch to computers and then we also connected to the Main Switch DHCP Server then we need to configure the DHCP services to get the IP Address of the computers for getting IP addresses we need to run the CMD with "Ipconfig / renew "to get IP addresses.