

# **Project Report**

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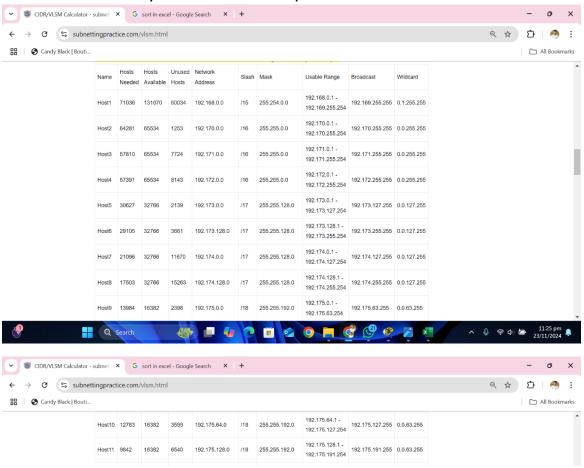
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#### Introduction:

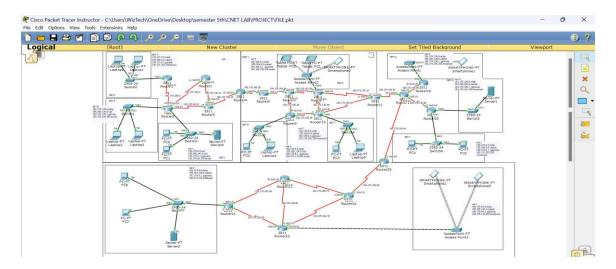
The project is implemented using all the concepts of computer networks the networks are made and configured to communicate to the other networks as per the requirements of the project

#### Subnets calculation

vlsm is calculated by a tool and also implemented on the router networks



# Topology:



## Configuration:

## **RIP**

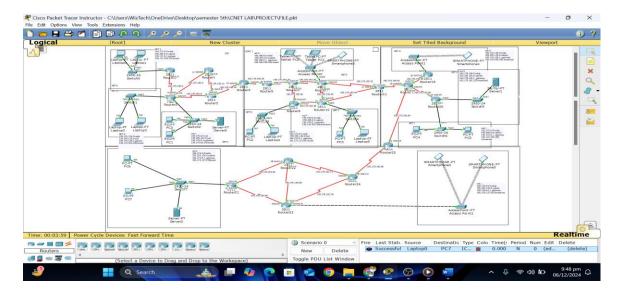
RIP version 2 is used to enter all of the networks on the routers specifically and it works perfectly with in he RIP zone before redistribution

## **OSPF**

OSPF 10 is configured in the central area and it is working properly within the network D, E, F.

#### **EIGRP**

EIGRP is configured just like the OSPF but it uses the wild card mask instead of subnet.

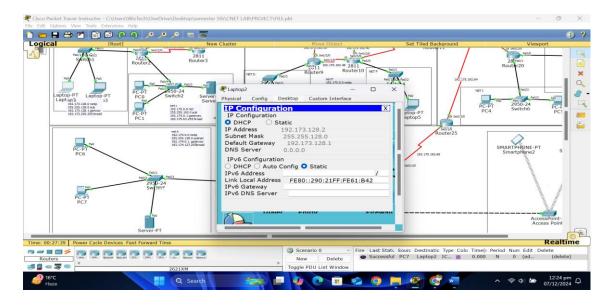


#### Redistribution:

Redistribution is done on the mutual routers of different algorithms

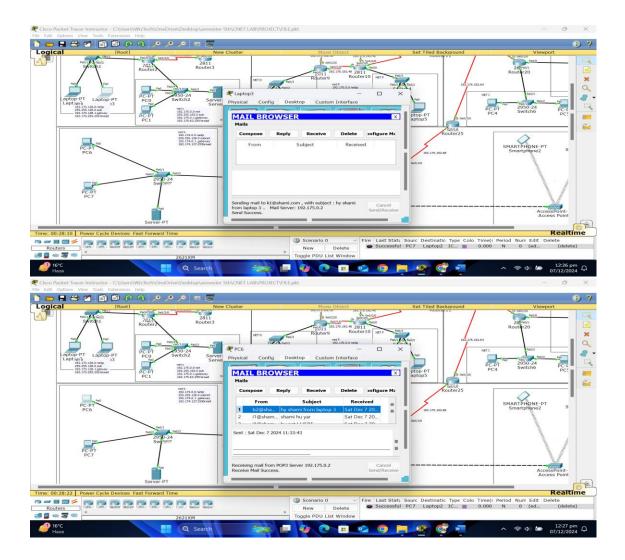
#### **DHCP**

DHCP is configured in the network k block that helps to assign the ip addresses to all of the host across the different networks.



#### Email server:

Email server is setup in the first block and it delivers best email service to all of the clients of different networks

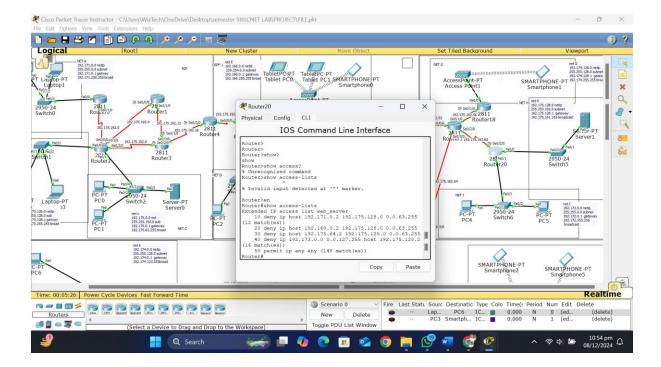


#### Web server:

web server is deployed in the network H and it will be restricted to allowed computer of multiple networks according to requirements it will be done by implementing ACLS.

#### ACLs:

Starting IPs of required networks are blocked through ACLs on the adjacent router of the server



#### NAT:

Nat has been configured on the required routers and it is showing malfunctional behaviour to some extent

