# H M Mythreya PES2UG20CS130 CN-Lab Week-2 (Continuation)

Task 1: Configure a simple network topology with DNS and web server functioning.

## PC0:

IP ADDRESS: 10.10.1.1

GATEWAY: 10.10.1.2

DNS SERVER: 192.168.1.2

## ROUTER 1:

Fast Ethernet 0: 10.10.1.2 Fast Ethernet 1: 10.10.2.1

#### **ROUTER 2:**

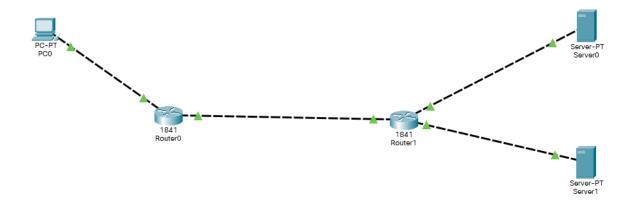
Fast Ethernet 0: 10.10.2.2 Fast Ethernet 1: 192.168.1.1 Ethernet 0: 192.168.2.1

#### DNS SERVER:

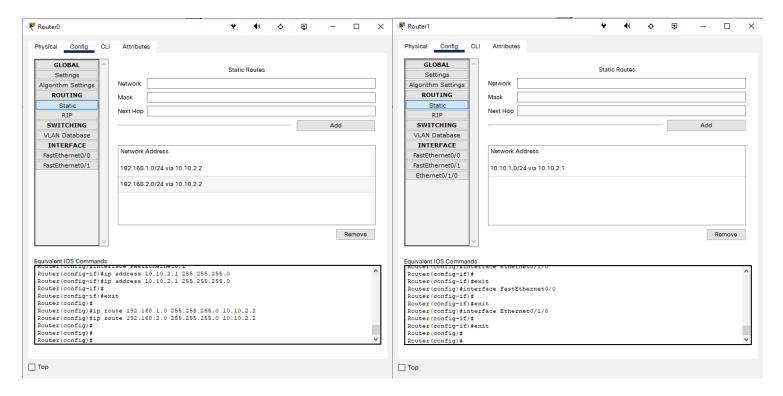
IP ADDRESS: 192.168.1.2
DEFAULT GATEWAY: 192.168.1.1

## WEB SERVER:

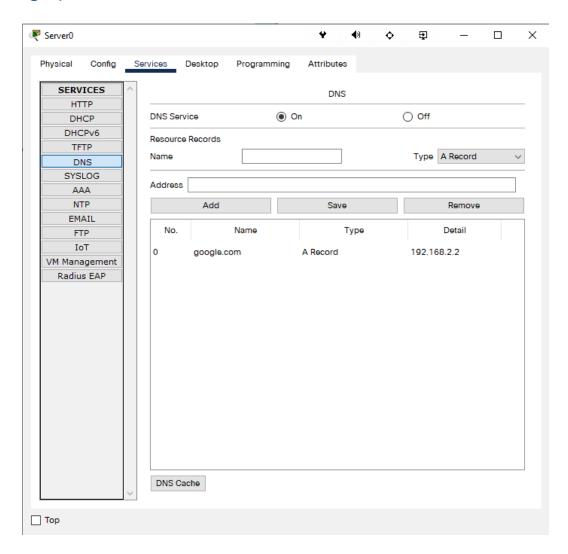
IP ADDRESS: 192.168.2.2
DEFAULT GATEWAY: 192.168.2.1



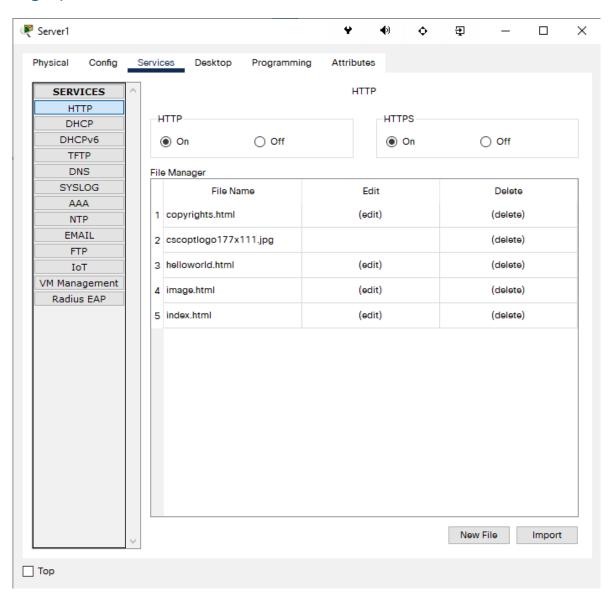
# Setting up Routing:



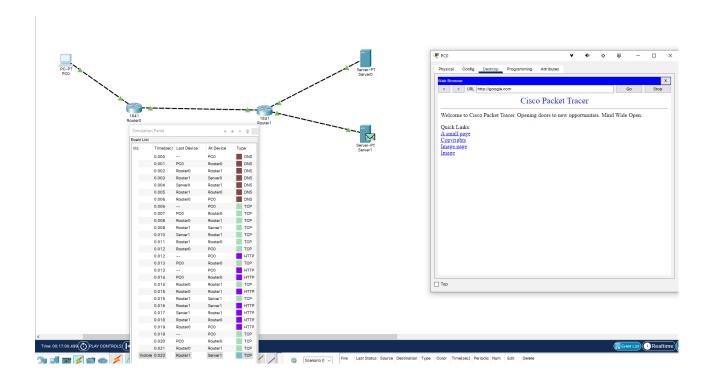
## Setting up DNS Server:



# Setting up Web Server:

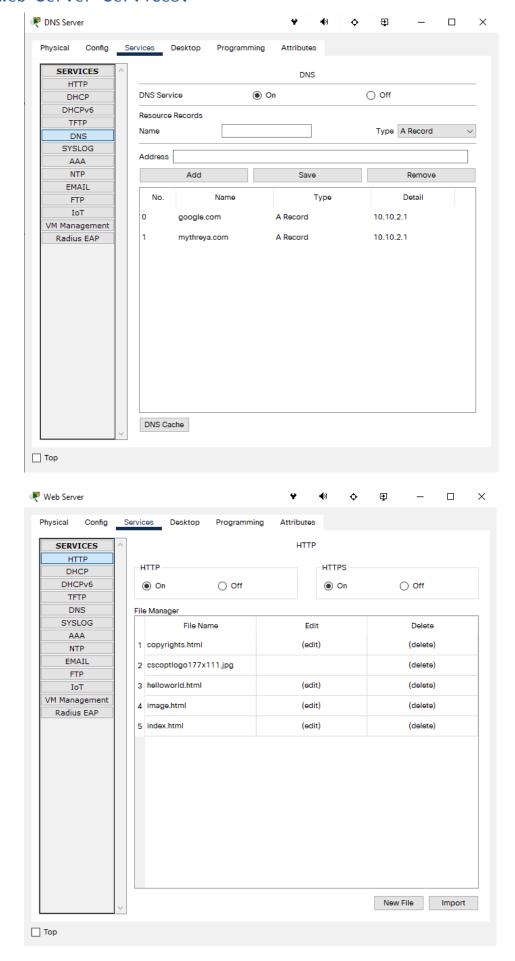


## Client to server simulation:



```
Topology 2
PC0:
     IP ADDRESS: 1.1.1.2
     GATEWAY: 1.1.1.1
     DNS SERVER: 10.10.1.1
PC1:
     IP ADDRESS: 1.1.1.3
     GATEWAY: 1.1.1.1
     DNS SERVER: 10.10.1.1
PC2:
     IP ADDRESS: 6.6.6.2
     GATEWAY: 6.6.6.1
     DNS SERVER: 10.10.1.1
PC3:
     IP ADDRESS: 2.2.2.2
     GATEWAY: 2.2.2.1
     DNS SERVER: 10.10.1.1
PC3:
     IP ADDRESS: 2.2.2.3
     GATEWAY: 2.2.2.1
     DNS SERVER: 10.10.1.1
ROUTER 0:
     Fast Ethernet 0: 1.1.1.1
     Fast Ethernet 1: 3.3.3.2
     Ethernet 0: 10.10.1.2
ROUTER 1:
     Fast Ethernet 0: 3.3.3.1
     Fast Ethernet 1: 5.5.5.1
     Ethernet 0: 2.2.2.1
ROUTER 2:
     Fast Ethernet 0: 5.5.5.2
     Fast Ethernet 1: 6.6.6.2
DNS SERVER:
     IP ADDRESS: 10.10.1.1
     DEFAULT GATEWAY: 10.10.1.2
WEB SERVER:
     IP ADDRESS: 10.10.2.1
     DEFAULT GATEWAY: 10.10.1.2
```

## DNS and Web Server Services:



### Client to server simulation:

