# Lab 5 - 02 November 2020

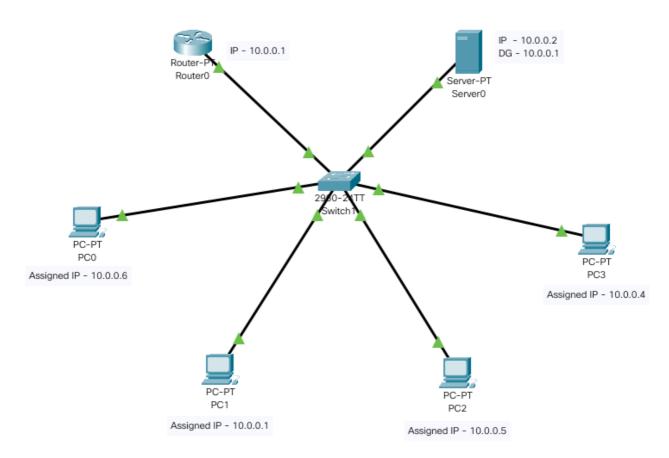
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### 1BM18CS036

# Configuring DHCP within a LAN

### Procedure

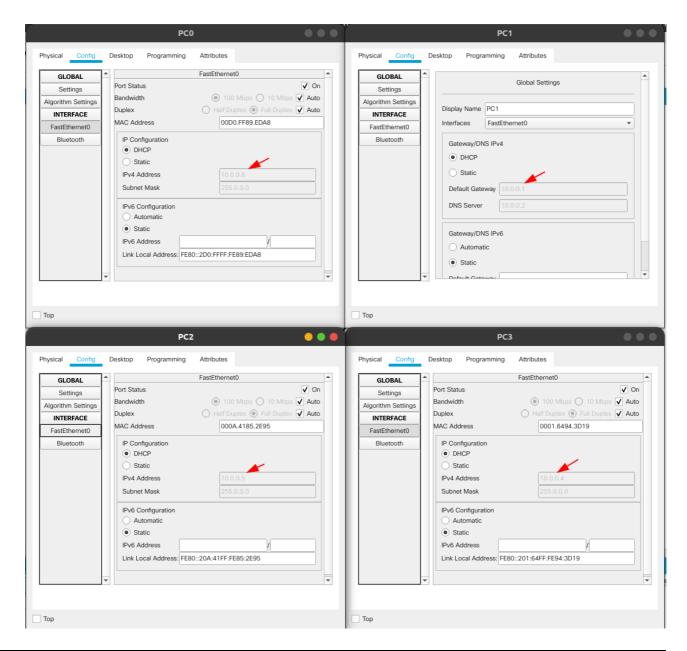
- Topology, as shown in image, was created using Router-PT, 2960 Switch, Server-PT, and 4 PCs.
- IP addresses were assigned to Router and the server as shown in image below.



• DHCP service in the Server0 was enabled with the following configs.



• DHCP server in the Server0 automatically assigns the IP addresses to PC0, PC1, PC2, PC3 on enabling the DHCP service.



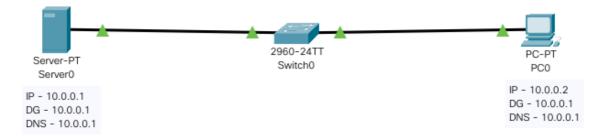
# Demonstration of WEB server and DNS

Initialize HTTP server in the Server0.

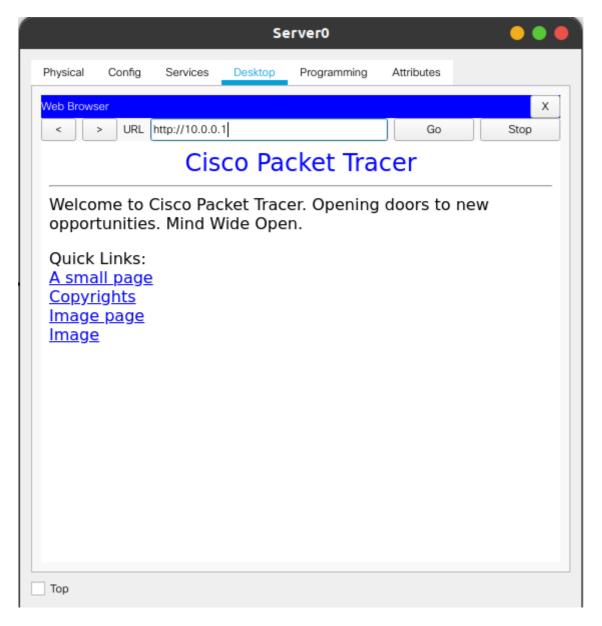
Add a record in the DNS to route test.com to 10.0.0.1.

### Procedure

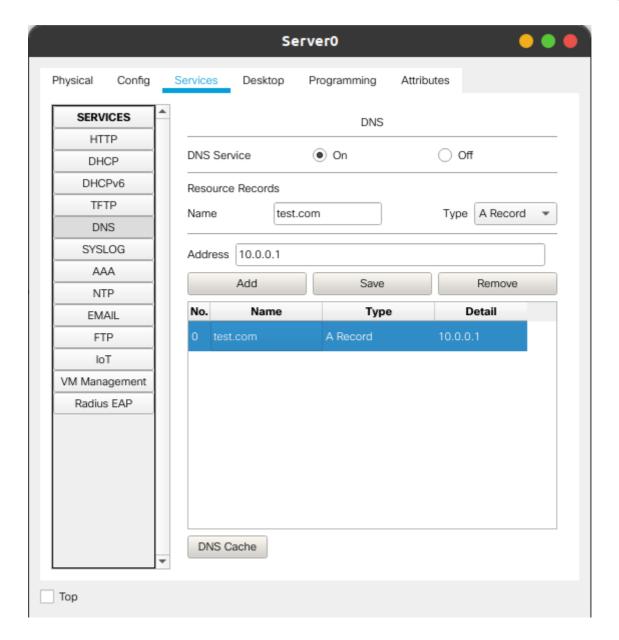
• Topology, as shown in the image below, was created using Server-PT, 2960 Switch, and a PC.



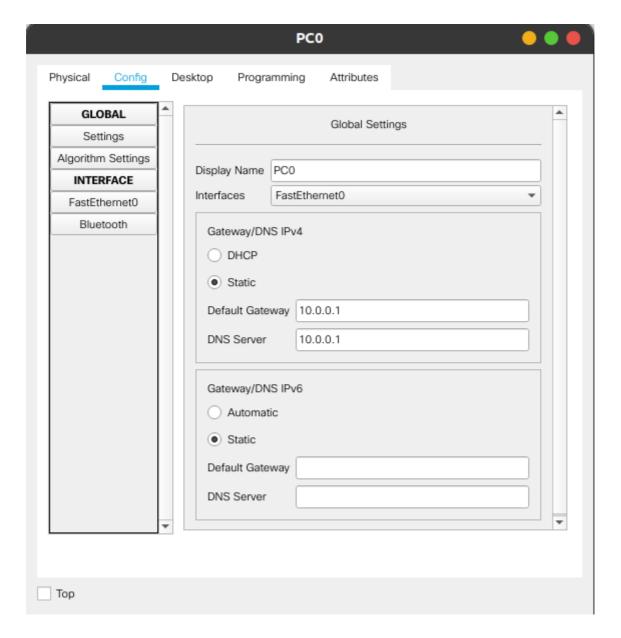
• It was first verified that 10.0.0.1 has a HTTP server running.



• Then, an address entry was added for test.com in the DNS records as shown below.



• PC0 was setup with the following configs.



• The DNS server is tested by going to test.com URL from PC0

