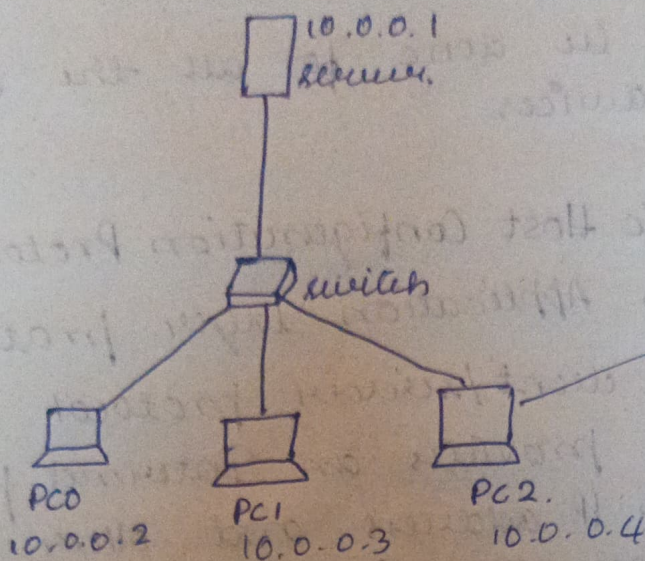


AIM: Configuring DHCP within a LAN in Cisco Packet Tracer.

Topology



Procedure:

- select generic PC's from end devices and connect them to switch
- Select a generic server and configure the server's IP Address
- Click on the server → Services → DHCP
- ON the DHCP service and Enter the Pool Name of your choice
- Then set the IP address of DNS Server same as the IP address of server.
- Enter the start IP address as a different IP address. Eg: 10.0.0.2.
- Set the TFTP Server IP address as same as server's IP address.

- Click on the PC to change the IP Configuration.
- on.
- Change the IP Configuration to DHCP and automatically the IP addresses will be set for end device.
- Same has to be done for all the end devices.

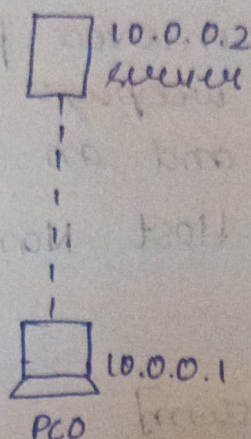
DHCP [Dynamic Host Configuration Protocol]

- DHCP is an Application layer protocol.
- DHCP is a client/server protocol that automatically provides an Internet protocol host with its IP address and other related configuration information such as the subnet mask and ^{default} gateway.

[Signature]
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AIM: Demonstration of web server and DNS using packet Tracer.

Topology:



Procedure:

- Select a generic PC and server and connect them.
- Configure the IP addresses for both server and PC.
- Click on the server - services - ON the HTTP services.
- In DNS services ON the DNS service.
- Type the URL of any domain in Name text box
Eg: www.bmsce.ac.in
- In Addresses set the IP address same as server's IP address.
- And add the information.
- Click on PC → Desktop → web browser.
- Enter the URL Eg: www.bmsce.ac.in.

- After entering the URL a window the page will be redirected to the page.
- After entering the URL - click on go - The webpage will be displayed.
- If the URL is removed from the DNS service the webpage will not be displayed and an error message will be displayed - Host Name Unresolved.

DNS [Domain Name System]

- A DNS Server is a server that manages the domain name system or DNS protocol, matching internet domain names and IP addresses.
- When a user types a domain name or website address into the address bar of the browser, the DNS server is responsible for translating the domain name to a specific IP address, directing it to the correct website.

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