

Configuring DHCP within a LAN in a packet Tracer.

The computer gets its dynamic ip address from a DHCP server.

A DHCP server automatically assigns a computer

- ip address
- Subnet mask
- Default gateway
- DNS Server.

The DHCP server assigns the ip address as a lease.

DHCP Does process stands for the message flows b/w client and server

- Discover - Client Discovers the DHCP server for IP request
- Offer - DHCP server offers IP to a client and wait for request from client
- Request - Client reply for requesting offered IP address from DHCP Address.

Acknowledge :- Final Step from Server
sending all information to client like
DNS, Default Gateway, TFTP,
domain name.

Steps followed :-

- Creating the topology
 - Assigning the gateway, IP address
and Subnet mask for Server
 - Under DHCP services, default gateway
is assigned, the Server IP address
is assigned to DNS and TFTP
Server, creating IP address and Subnet
mask will be provided.
 - Now, go to PC0 → Desktop → IP
Configuration and click on DHCP.
- After waiting for some time, the IP
address for PC0 will be assigned
automatically