

2nd Nov 2020

Labs :-

5. Configuring DHCP within a LAN in a packet tracer.

DHCP uses UDP as transport layer protocol
IP - 10.0.0.1

we make server as DHCP server so that all end-devices dynamically get IP address.

In the interface give default gateway as 10.0.0.1

Configure Router:

In fastEthernet 0

→ IP address is 10.0.0.2

server is ready for configuration.

Services → DHCP → ~~on~~ ON → assign default
DNS server,

Start & end range, no. of users and then same.

PC → Desktop → IP config → DHCP

Note:- every IP is unique in PC's

* Learning Outcomes:-

1. we learnt how to make a DHCP server.
2. Learnt how to dynamically assign IP-addresses to end devices.

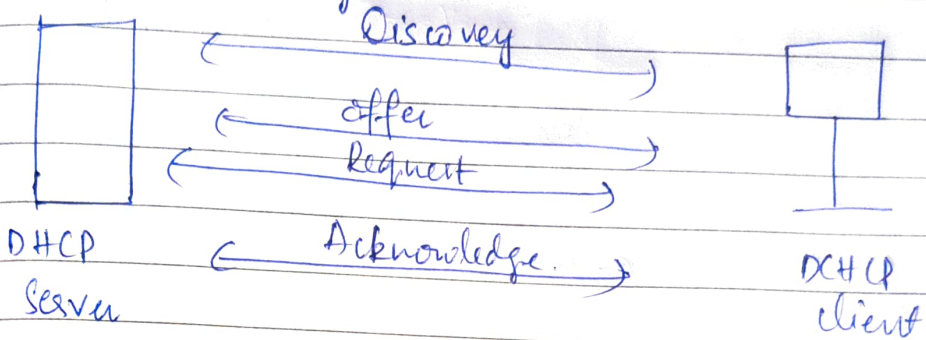
DHCP: DORA process stands for the following message flows between the client & the server.

D - Discovery

O - Offer

R - Request

A - Acknowledge



→ Message flow between DHCP client & the server

Topology:-

