

Configure DHCP within a LAN.

DHCP → port no - 67 client uses

D Discover Offers IP for client & port no: 68

O Offer (wait for client)

R Request

A Acknowledge

Port no :- Unique no given to all protocols irrespective of layer.

DHCP uses UDP as transport layer protocol.

Router 10.0.0.1 255.0.0.0

- 4 PCs

- Router PT

- Server - PT

- Cable → Copper straight - through

- Switch → 2950 - 24

- Configure 1 interface of Router

- Don't configure PCs

- Configure server

→ Config → Default gateway : 10.0.0.2

→ Config → FastEthernet 0

- Static → IPv4 address 10.0.0.2

→ Services → DHCP → Services ON →

Default gateway : 10.0.0.1

DNS server : 10.0.0.2

TFTP server : 10.0.0.2

• click on PC → Desktop → IP configuration →

↑ DHCP (Request successful)

Similar for other 4 PCs