- conflicts of IP address, allocation are also

reduced.

A DHCP server our provide configuration settings veing following methods PS MAC address (Manual allocation) - This method entails resing DHCP to ident--ify the unique Now address of each netw--ork fither continually supplying a constant configuration each time the DIPCP client makes a request to server with new ?i) Address Pool (Dynamic elicention) - In this method the DHCP servers will assign an IP address from a pool of addr resses for a lease, that is configured to server as until client informs server that it doesn't need address anymore (iii) Auto matic allocation :-- Using this method, DHCP automatically assigns an Fraddresses permanently to a device, selecting of from a pool of available deldresses - Usually a DHCP server can assign a temporary address to a dient but can allow an infinite lease time - Obuntu to shipped with both server & client The server is "Inopd'& chient is dhaptient" - Install perce server on Obtanta

To prostall contex feel command sudo apt get prostall isc-dhap-server

Configuration:

- Prost assign on what interfaces should the DHCP server (dhopd) senver PHCP request.

- In case you have only I interface, so assign that

- To do that, edit file/etcl default/isc-dhop-/sudo vi/etc/default/isc-dhop-server.

Assign the n/w enterface

1 Intorfaces = "enposs"

save & close the file.

1 sudo viletal dehap 1 dhapd cont

- set domain name & domain servers

(or comment it)

option domain name = " "

option domain name servers server

JF this DHCP server is the Official DHCP servers for local now, you should uncomment the following line / authoritative.

- Define the subnet, range of JP addresses, domain tolomain name servers 1 subnet 10.0.2.0 net mask 255, 255.255.05 range 10.0.2.10 10.0.2.20 # option domain-name-servers # option domain- name "internal. example ong". option routers 10.0.2.255 option broadcast address 10.0.2.255 défault-lease-time 600; max - leave - time 7200, 3 If you want to assign a fixed It address to your client, you should enter 1ts mac id & then IP address host abunta-drent & hardware-ethernet 00:22364:48:69,30; Fixed address 10-0-2-15, 3 - After making all changes you want, save & close the free commentall the unnecessary things, to avoid further pscues abile Starting dhop service. * configure DHCP clients 1as to client configuration network seffings & change the FP settings to automatic (DIECT) Restart the network as reboot the client system to get IP address automatically from DHCP servers. Run 3 sudo 98 config - Now you can see that the 1P address assigned is among the range mentioned at the serverside Conclusion: For this assignment, we leave t now to install DHCP server & Pts configuration.