Assignment: 4 Problem Statement: install the software on remote machine. Objectives:

i) Understand and configurance.

2) What are advantages of DMCP. Requirements: 1) Ubertu, Shep config standardized network protocol used on Internet protocol networks for dynamically distributing natural configuration parameters, such as (Linux / windows) that is used to distribute - cally to the clients in the network. Since OHCP server assigns addresses automatically to all system. a system or Network administrator need not to assign IP addresses manually to every sight machinein the network. DHCP is opt for system or Network administrator who is managing thousands of Systems. The most common settings provided by a DMCP server to DMCP i) IP address and notnask 2) IP address of default gataray. 3) IP address of Donair Naming System. 4) However, a Drick server can also supply configuration properties such as 5) Host Name 6) Domain Name 7) Jime Derver. 8) Print Serve

The advantage of using OHCO is that changes to the network, for example a change in the address of DNS server, need only be changed at the OHCP server and all naturals hosts will be configured the next time their DHCP clients pollthe DHCP server. As an added advantage, it is also easier to integrate new computers into the retwork, as there is no need to check for availability of an IP addresse Conflicts is IP address allocation are also reduced. Intallation and configuring DHCP. 1) yum install dhop! 2) vi letel chop/dhopd conf Paste content Subjet 192.168.8.0 retnask 255.255.255.01 range . 192.168.8.10 192.168.8.20; option domain - name-servers ast internal, example org; option domain-name "internal example org"; option routers 192.168.8.254; option proadcast-address. 192.168.8.255; default-lease-time 600; man-lease-time 7200; Esc: Wq. ip server 192.168.8.1 checonfig dhopd on service dhopd restart In suce the diet & server exchange mainly & purp messages in order to make a connection, also ralled DORA process DMCP discour message: Dis is a message generated in communication process between server client to discover if there is any OHEP server / servers are present in a network of not. This message is broadcasted to all device present is a network

Duce roffer message:

Theserner will respond est receives anoffer message, it responds to ust. The diest will produce a gratitutous AP if there is any host practice in the network 4) Drice acknowledgenest message:

In response to the request message recoined the security with specific client ID & bind the IP address offered with slease time. Conclusion: in ubunter & learnst about successfully install and configured such sewers. duts advantages.





