Date:

Discuss in detail about agent discovery in mobile ip handling. A mobile node uses a method known as agent discovery to determine the following information. Awhen the node has moved from one network to another. & whether the network is the node's home (or) a foreign network. * What is the foreign agent on that care-of address offered by each foreign agent on that network mobility agents transmit agent advortisements. to advertise their senices on a network. to advertise their services on a network. * In the absence of agent advertisements, a mobile node can socialist advertisements. This is known as agent Socialitation. the toxing a goldot ankongo accorde and + Agent advertisements -* Mobile nodes use egent advertisements to determine their current point of attachments to the internet or to an organization's network. TAN agent advertisement is a intermet control message protocol (kmp) router advertisement that has been extended to also carry a mobility agent advertisement extension.

Agent Solicitation :-Every mobile node should emplement agent solicitation The mobile node uses the same procedures, defaults, and constants for agent. Solicitation messages. The rate at which a mobile node sends solicitations is limited by the mobile node. The mobile node can send three snitial solicitations at a movelmum rates of one per second with while Searching for an agent, the rate at which solicita -Hons are sent is reduced to limit the overhead on the local networks. 2) Explain about different encapsulation methods? * Encapsulation is the mechanism of taking a packet consisting of a packet header and a data and putting it into the datapart of a new packet. + The renerse operation taking a packet out of the data part of another packet is called decapsulation. * The HA takes the original packet with the MN as day

destination puts it into the data part of a new packet and sets the new is header so that the packet is routed to the con.

The new header is called Outer header.

Three types of Encapsulation methods:

Three types of Encapsulation methods:

Three types of Encapsulation methods:

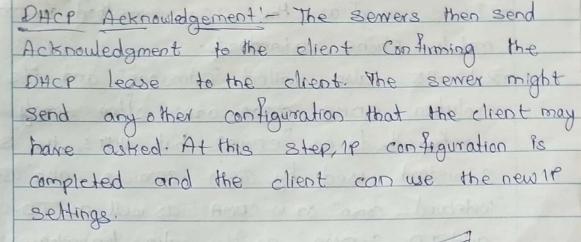
Three types of Encapsulation:

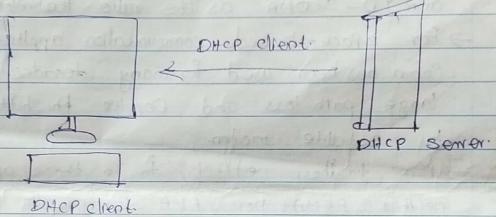
Scanned with CamScanner

* Full IP header added to the original IP Packet * The new header contains HA address as source and care of Address as destination. 2) Minimal encapsulation: *It requires less overhead but requires changes to the original header * Destination address is changed to care of a Address and source IP address is maintained as 16 18. mil and all a seather 11 3) Generic Routing Encapsulation: * It allows packets of a different protocol suite to be encapsulated by another protocol sulte. 3) Explain how DHCP works In wireless networks A) * Dynamic Host configuration protocol is a betwork management protocol that is used to dynamically assign the IP address and other Information to each host on the network so that they can communicate efficiently. DIACP WORKS?or Ditcp works at the application layer to dynamically assign the IP address to the client and this tappens through exchange of a services of mesegge called pucp transactions (00) HITP conversation.

Preparing Today's Students to define To

* DHCP discovery! - The DHCP client broadcas messages to discover the DHCP servers. The client computer sends a packet with the default broadcast destination of 255-255-255-255 or the specific subnet broadcast address it any configured. DACP Offers - When the DITCP Sener receiver the DACP Discover message then it Suggests (or) others on IP address to the client by sending a DHCP offer message to the client. DHCP Offer 192.188-1-15 Subnet : 255,255.255.0 DACPetrent cateway: - 12:168:1.1 DACP somer 1. The proposed 1P eddress for DHCP chept (192,168,1,11) 2. Subnet mask to identify the notwork (255.255 3. IP of the default gatoway for the subnet (192.168.1.1) DHCP Request; - In most cases, the client can receive multiple DACP offer because in a petwork there are many DACP sovers. Ten response to the offer, the client sends a DACP request requesting the offered address from one of the DHCP servers





4) Explain about coma?

A) Code division multiple acress is a channel acress method used by various radio communication technologies. It whom whomes down

-> CDMA is an example of multiple access; where several transmitter an send intomation simultaneously over a single communication channel. This allow several wor to share a band of

tre quencies.

-> CDMA optimizes the use of a available bandwidth as it transmit over the entire beguerry range and does not limit the wors beguency range.

Preparing Today's Students to define Tomorrow's World....

