Application layer 2

Dynamic Host Configuration Protocol (DHCP)

-Automation of IPv1 addressing, subnet masks, gateways and other networking parameters

DHCP -> dynamic addressing

DHCP ____ for end user devices provide default gateway
Static ____ for network devices address.

DHCPUG provides similar services for IPv6 clients and does not

DHCP Operational Steps

- (1) Discover
- (2) Offer
- (3) Request
- (4) Acknowledge

<u>File Sharing Services</u>

File Transfer Protocol (FTP)

Server Message Block (SMB).

Server _____ Network ____ Client

- (1) Control Connection
- Opens first connection to the server for control traffic
 - (2) Data Connection
- Client opens second connection for data traffic

- Client / Server, requestresponse file sharing protocol
 - 3 functions:
 - (1) Start, authenticate and terminate sessions
 - (2) Control file /printer access

(3) Get Data

Client SMB Request Server _____ Client

(3) Allow an app to send treceive messages to or from another device