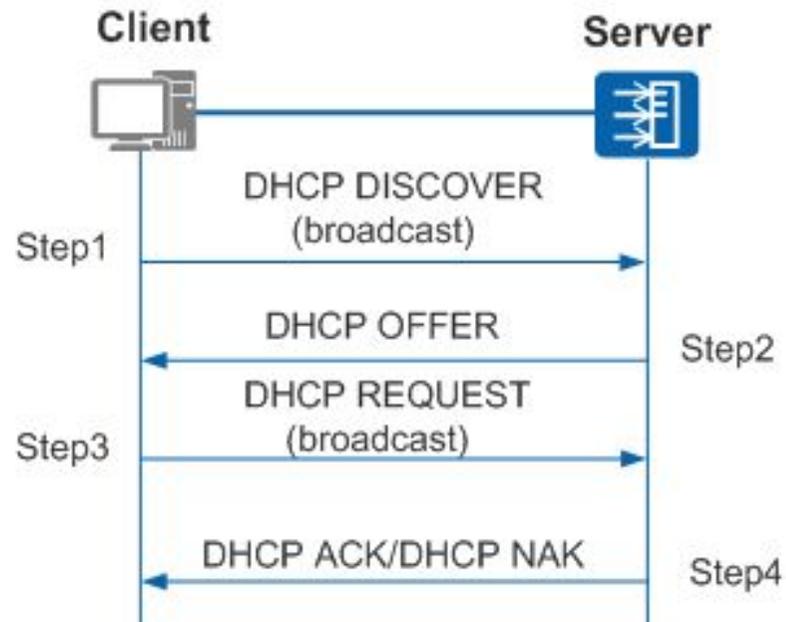


DHCP Protocol

Dynamic Host Configuration Protocol (DHCP) is used to dynamically provide IP addresses and other configuration information to hosts on the wired and wireless LAN.

DHCP Messages:



DHCP Attacks

Types of DHCP attacks:

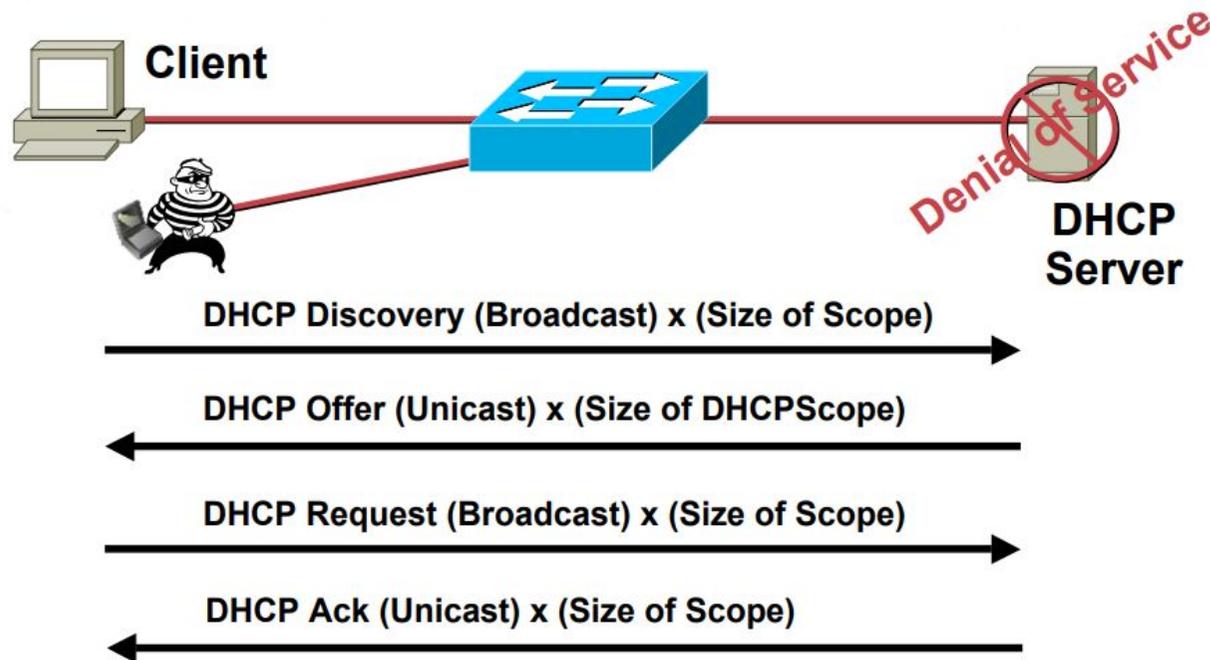
1. DHCP Flooding
2. DHCP Starvation
3. DHCP Rogue Server.

DHCP Flooding

- In a **DHCP flooding** attack the hacker will flood the server with fake DHCP Discover messages. The server will start processing these messages and becomes unavailable for legitimate clients that will not receive an IP configuration. This is a DoS attack.

DHCP Starvation Attack

- A **DHCP Starvation** attack occurs when an attacker constantly sends fake DHCP requests with spoofed MAC addresses to a DHCP server.



- **Tools to perform this attack:** dhcpig, dhcpstarv, gobbler or yersinia

Rogue DHCP Server

- A **rogue DHCP server** is a DHCP server set up on a network by an attacker, or by an unaware user, and is not under the control of the network admin.

