# Lab Assignment 9

**Aim:** Simulate DOS attack using Hping3.

**Lab Outcome attained:** LO5
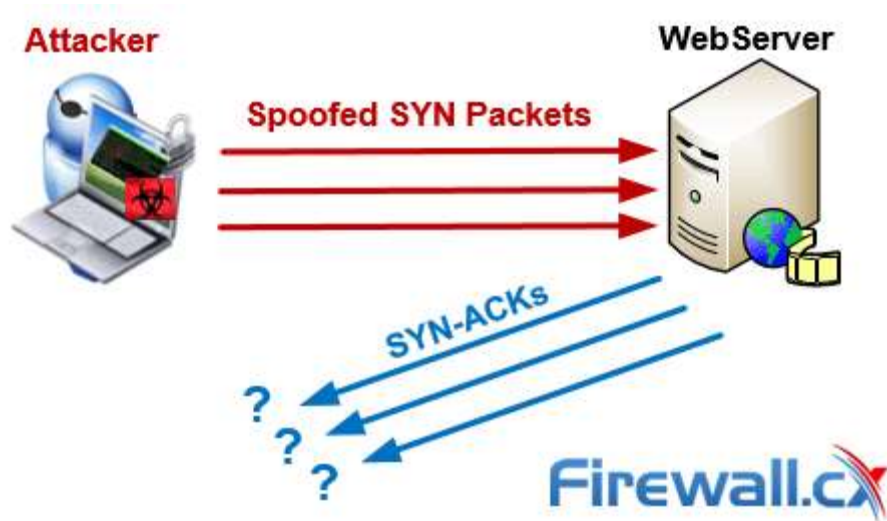
Denial of Service Attack:

A denial of service (DoS) event is a cyber attack in which hackers or cybercriminals seek to make a host machine, online service or network resource unavailable to its intended users.

Different types of Denial of Service Attacks: Syn flood, Ping (ICMP) flood, UDP flood, etc.

Hping3 for performing DOS attack

**Syn flood using hping3:**
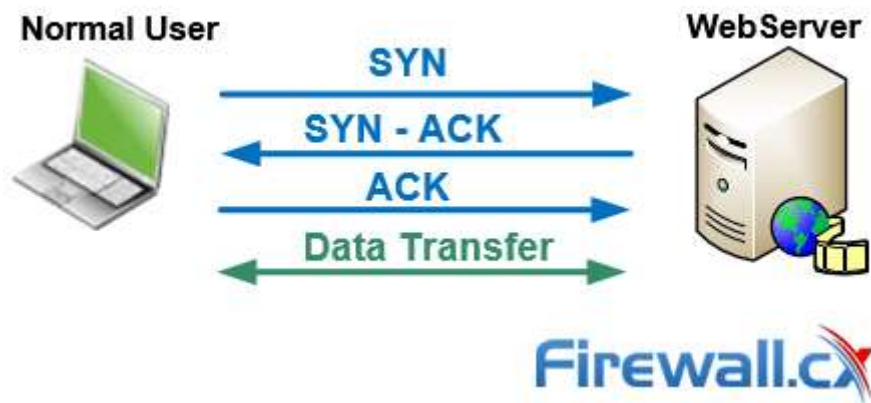
**# hping3 -c 15000 -d 120 -S -w 64 -p 80 --flood --rand-source 192.168.1.159**

**ICMP flood using hping3:**

An Internet Control Message Protocol (ICMP) flood attack, also known as a Ping flood attack, is a common Denial-of-Service (DoS) attack in which an attacker attempts to overwhelm a targeted device with ICMP echo-requests (pings). Normally, ICMP echo-request and echo-reply messages are used to ping a network device in order to diagnose the health and connectivity of the device and the connection between the sender and the device. By flooding the target with request packets, the network is forced to respond with an equal number of reply packets. This causes the target to become inaccessible to normal traffic.

**# hping3 -1 --flood -a 192.168.103 192.168.1.255**