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- Show Name: CEHv12 (312-50)
- Topic Name: Network and Perimeter Hacking: Denial of Service
- Episode Name: DoS and DDoS Attacks

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DoS and DDoS Attacks

Objectives:

- Define DoS and DDoS attacks
- List and explain DoS attack types
- List and define the different DoS/DDoS categories
- Identify commonly used DoS/DDoS attack tools for different platforms

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- What is a DoS attack?
 - What is the difference between DoS and DDoS? (attack types)
 - Common attack techniques?
 - Categories
 - Volumetric (depletion of bandwidth, bits-per-second)
 - Amplification attacks
 - UDP Flood
 - ICMP Flood
 - Ping of Death
 - Smurf
 - Pulse Wave
 - Effective against hybrid-cloud environments
 - Protocol (packets-per-second)
 - SYN Flood
 - ACK Flood
 - Fragmentation
 - Application Layer (resource starvation, requests-per-second)
 - SlowLoris
 - UDP app-layer flood
 - Multi-Vector
 - Volumetric + Protocol + Application-Layer
 - Permanent DoS
 - Bricking
 - Phlashing
 - Reflective
 - Hides the true source of attack
 - Distributed Reflection DoS or DRDDoS
 - Multiple distributed attacking devices
 - Utilizing Reflective DoS attacks
 - Ransom DDoS
 - DoS/DDoS Tools
 - High/Low Orbit Ion Cannon
 - LOIC has mobile version
 - <https://sourceforge.net/projects/highorbitiocannon/>
 - <https://sourceforge.net/projects/loic/>
 - hping3
 - Metasploit

