NETWORK THREATS

DDOS ATTACK TYPES Across Network Layers of the OSI Model

A Denial of Service (DoS) attack attempts to deny a user access to a network resource or service. A Distributed Denial of Service (DDoS) attack originates from multiple sources, making it far more difficult to defend.

Here, a range of attack types are mapped against the layers in the Open Systems Interconnection (OSI) model.

SYN Flood	X
UDP Flood Other TCP Floods (Spoofed and non-Spoofed)	×××
TCP Connection	
IPSec Flood (IKE/ ISAKMP Association Attempt)	
Slow Transfer · · · · · · · · · · · · · · · · · · ·	
Long Lived TCP ····	Smurf Attack
Other Connection	ICMP Flood
Flood/Exhaustion	: IP/ICMP Fragmentation
SSL Exhaustion	
Amplification Attacks (DNS, NTP, etc.)	
Application Request ·····X	LAYER 1
Floods	PHYSICAL
Other Layer 7 Protocol · · · · · · · · · · · · · · · · · · ·	LAYER 2
SNMP, FTP, SIP, etc.]	DATA LINK
Targeted Application ·······	
Attacks Attacks	LAYER 3



LEARN MORE ABOUT DDoS ATTACK PROTECTION





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INFOGRAPHIC/DDoSATTACKTYPES/EN/0917