Common Attack Methods and Techniques  CramStudy this set online at: <a href="http://www.cram.com/flashcards/common-attack-methods-a">http://www.cram.com/flashcards/common-attack-methods-a</a> nd-techniques-6664850	
Denial of Service (DOS/DDOS)	A denial of service attack is any attack used to achieve the disrupti on of any service to legitimate users. DDOS is the 'distributed' form of such an attack where many 'Zombies' that have been taken ove r by hackers launch simultaneous attacks to achieve a more effectiv e denial of service attack.
Smurf attack	Occurswhen misconfigured network devices allow packets to be sen t to all hosts, on aparticular network via the broadcast address of t he network.
Ping flood	Occurswhen the target system is overwhelmed with ping packets
SYN flood	Sendsa flood of TCP/SYN packets with forged sender address. causi ng half -openconnections and saturates available connection capaci ty of the target machine.

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Unauthorized Access Through the Internet or World Wide We b	Unauthorizedaccess through the Internet or web-based services. Ma ny Internet softwarepackages contain vulnerabilities that render sys tems subject to attack. Additionally, many of these systems are larg e and difficult to configure, resulting in a large percentage of unauth orized access incidents. Examplesinclude:  • E-mail forgery (simple mail transfer protocol)• Telnet passwords tr ansmitted in the clear (via path betweenclient and server).  • Altering the binding between IP addresses and domain namesto i mpersonate any type of server. As long as the domain name serve r (DNS) isvulnerableand used to map universal resource locators (U RLs) to sites, there can be no integrity on the Web.  • Releasing common gateway interface (CGI) scripts asshareware. CGI scripts often run with privileges that give them completecontrol of a server.  • Client-side execution of scripts (via JAVA in JAVA Applets), which pr
Traffic Analysis	Aninference attack technique that studies the communication patter ns betweenentities in a system and deduces information. This typic ally is used whenmessages are encrypted and eavesdropping would not yield meaningful results. Traffic analysis can be performed in the context of military intelligence orcounter-intelligence, and is a conc ern in computer security
Spam	Also knownas unsolicited commercial e-mail (UCE) or junk e-mail. U sually sent asmass-mailed messages and considered invasive by re cipients.  • Spamcauses inconveniences and has severe impacts on productiv ity and thus isconsidered a business risk.  • When spamis responded to, the e-mail address or the recipient is validated and givesaway information.  • Spam ismanaged using Sender Permitted Form (SPF) protocol and with the help toolssuch as Bayesian filtering and grey listing.
War Dialing	Thepractice of driving around businesses or residential neighborhoo ds whilescanning with a notebook computer, hacking tool software a nd sometimes. with aglobal positioning system (GPS) to search for wireless network names. Whiledriving around the vicinity of a wirel ess network, an attacker might be able tosee the wireless network 'name, but the use of wireless security will determinewhether the at tacker can do anything beyond viewing the wireless network name. With wireless security enabled and properly configured, war drivers cannot see the network name and are unable to send data, interpret t data sent on the wireless network, access the shared resources of the wireless or wired network (shared files, private web sites), or us e the Internet connection. Without wireless security enabled and properly configured, war drivers can send data, interpret data sent on the wireless network, access the shared resources of the wireless or wired network (shared files, private web sites), install viruses, m

vices and operatingsystem are running on the targeted system, pos

sibly revealing vulnerableservices that could be exploited

help todefend against logic bombs and trap/back doors.

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Logic bomb	Aprogram or a section of a program that is triggered when a certai n condition, time or event occurs. Logic bombs typically result in sa botage of computersystems and are commonly deployed by disgru ntled insiders who have access toprograms. For example, when ter minated from an organization, a disgruntledsoftware programmer c ould devise a logical bomb to delete critical files ordatabases. Logic bombs can also be used against attackers. Administratorssometime s intentionally install pseudo flaws, also called honey tokens, thatloo k vulnerable to attack but really act as alarms or triggers of autom aticactions when the intruder attempts to exploit the flaw.& .+qC
Interrupt Attack	Occurswhen a malicious action is performed by invoking the operati ng system toexecute a particular system call. Example: A boot sect or virus typically issuesan interrupt to execute a write to the boot s ector.
Flooding	Adenial of service (DoS) attack that brings down a network or servi ce byflooding it with large amounts of traffic. The host's memory b uffer is filledby flooding it with connections that cannot be complete d.
E-mail Bombing and Spamming	Characterizedby abusers repeatedly sending an identical e-mail me ssage to a particularaddress. E-mail spamming is a variant ofbombi ng and refers to sending e-mail to hundreds or thousands 01 users (or tolists that expand to that many users). E-mail spamming can b e made worse ifrecipients reply to the message, causing all of the o riginal addressee toreceive the reply. It may also occur innocently a s a results of sending amessage to mailing lists and not realizing th at the list explodes to thousandsof users or as a result of using a r esponder message, such as a vacation alert, that is not set up corre ctly. May be combined with e-mail spooling, whichalters the identity of the account sending the message making if more difficultto deter

mine from whom the e-mail is coming.