

Featured Speaker: Gary Kessler



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2/10/00



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Denial of Service Attacks

- Becoming more common because they require limited technical skill and no access to the victim's server
 - SMURF attack
 - "PING Of Death"
 - TCP SYN DoS
- Can increasingly find detailed descriptions and attack tools on the Internet

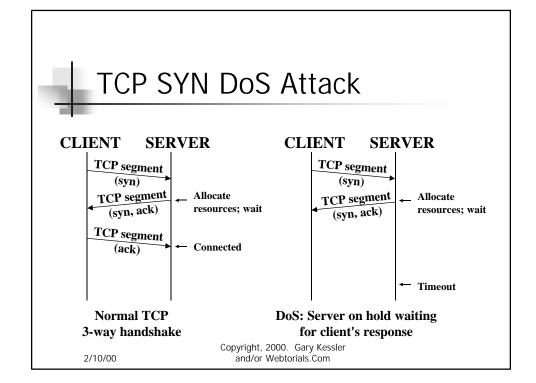
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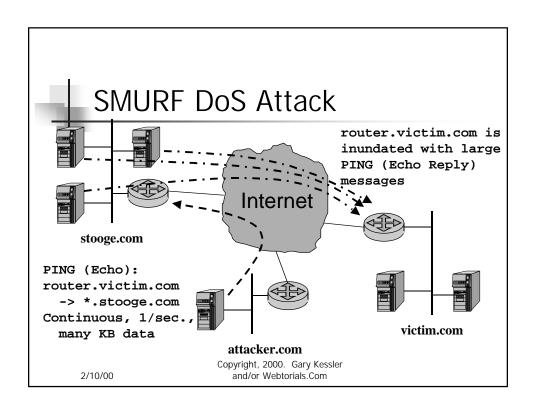


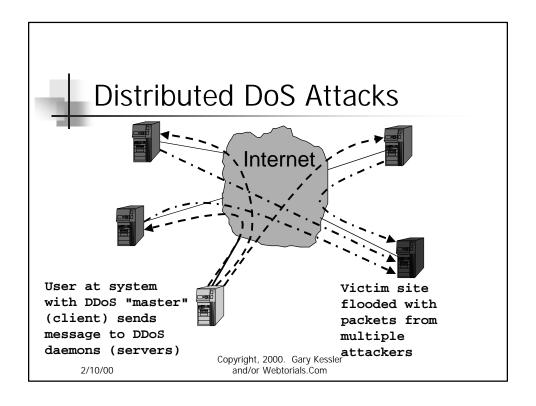
Buffer Overflow Problems

- Buffer overflow exploits are legion on the Internet
 - E.g., sendmail, Windows 9x Telnet client, IE
- Many programming languages (e.g., C) do not automatically prevent array violations
 - And most programmers don't put in appropriate checks on input arguments
- Results range from crashing client applications to taking control of a server

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Distributed DoS Tools

- Trinoo (aka Trin00)
 - Launches UDP flood attack
 - Does not (yet) spoof source IP address
- Tribe Flood Network (TFN)
 - Launches UDP flood, TCP SYN flood, ICMP Echo Request flood, and SMURF attacks
- No good defense
 - Prevention requires cooperation

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