Network Security

Class X
lab 30

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Wireless Network

A Wireless Router

two or more devices connected with each other via radio waves within a limited space range

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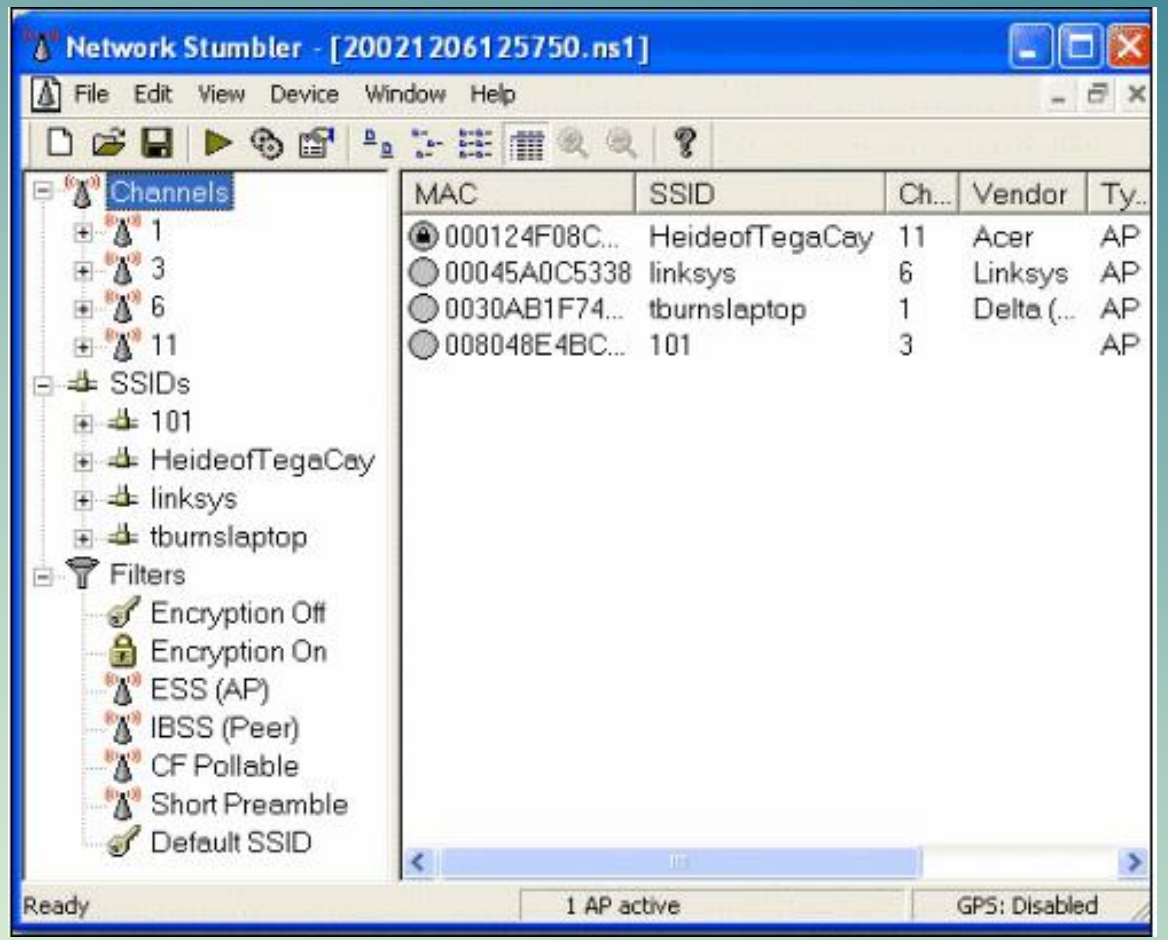
Wireless Hacking Tools

- Kismet
- NetStumbler



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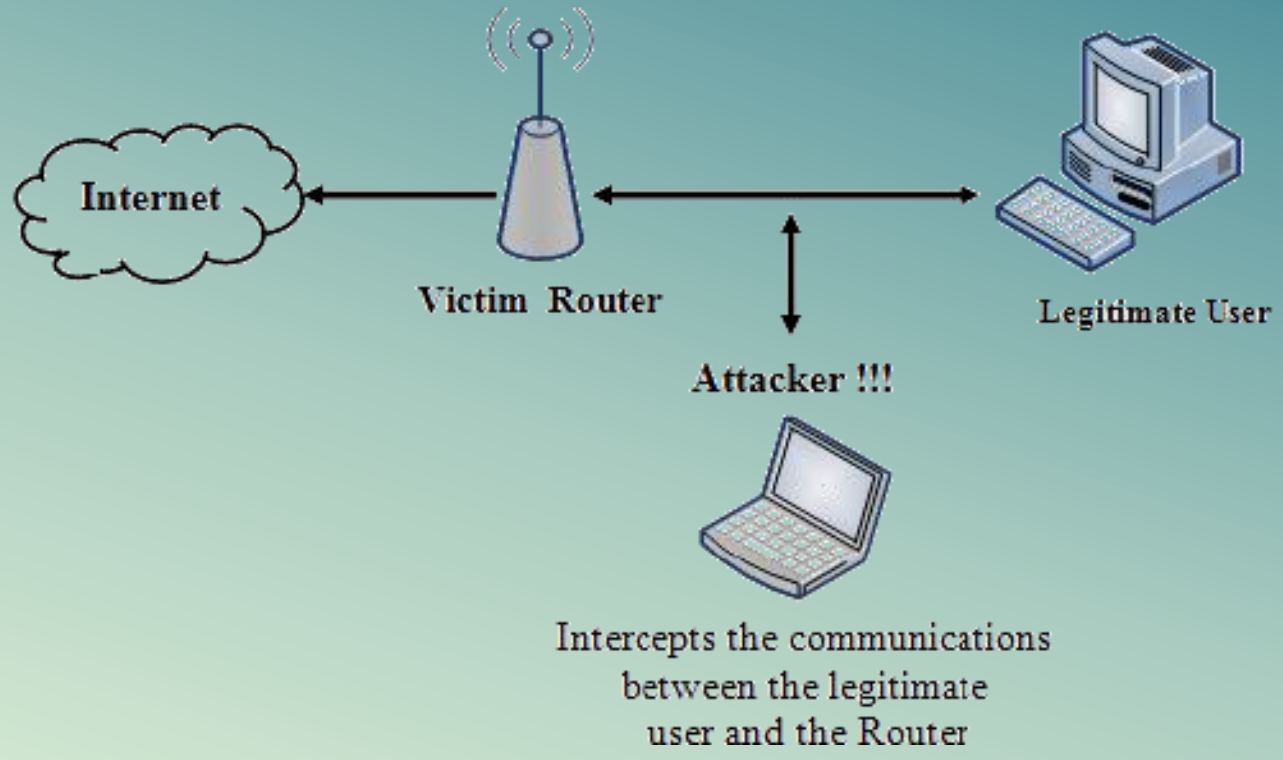
Wired Equivalent Privacy

(WEP) is a security protocol that was invented to secure wireless networks and keep them private



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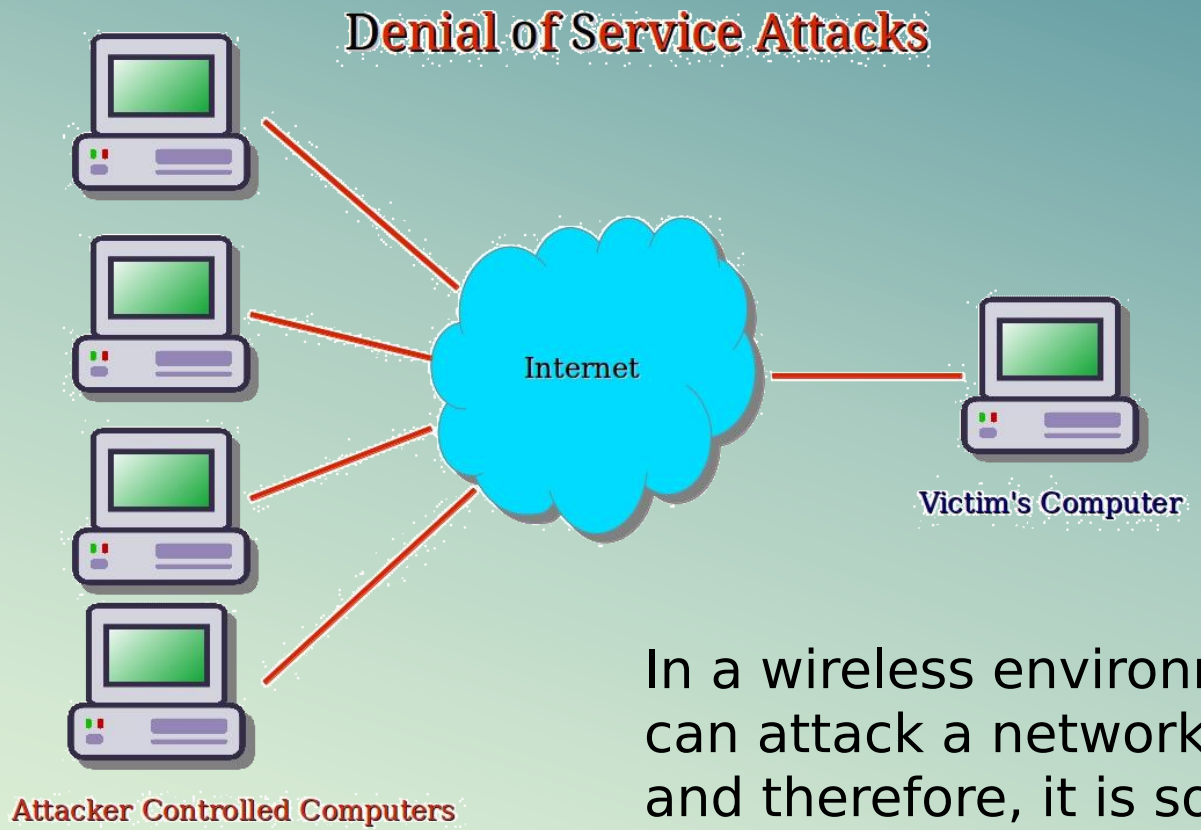
DoS Attacks



In a wireless environment, an attacker can attack a network from a distance and therefore, it is sometimes difficult to collect evidences against the attacker

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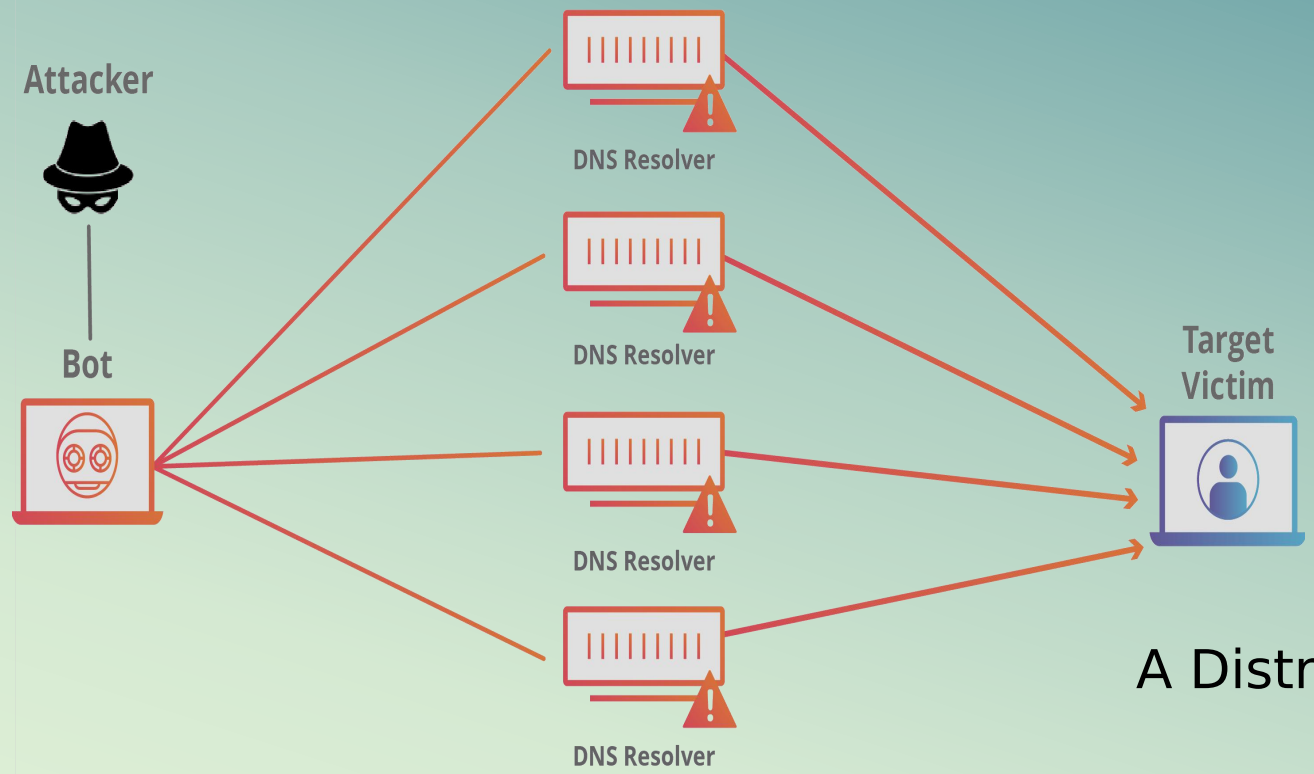
DDOS Attack



A Distributed Denial of Service

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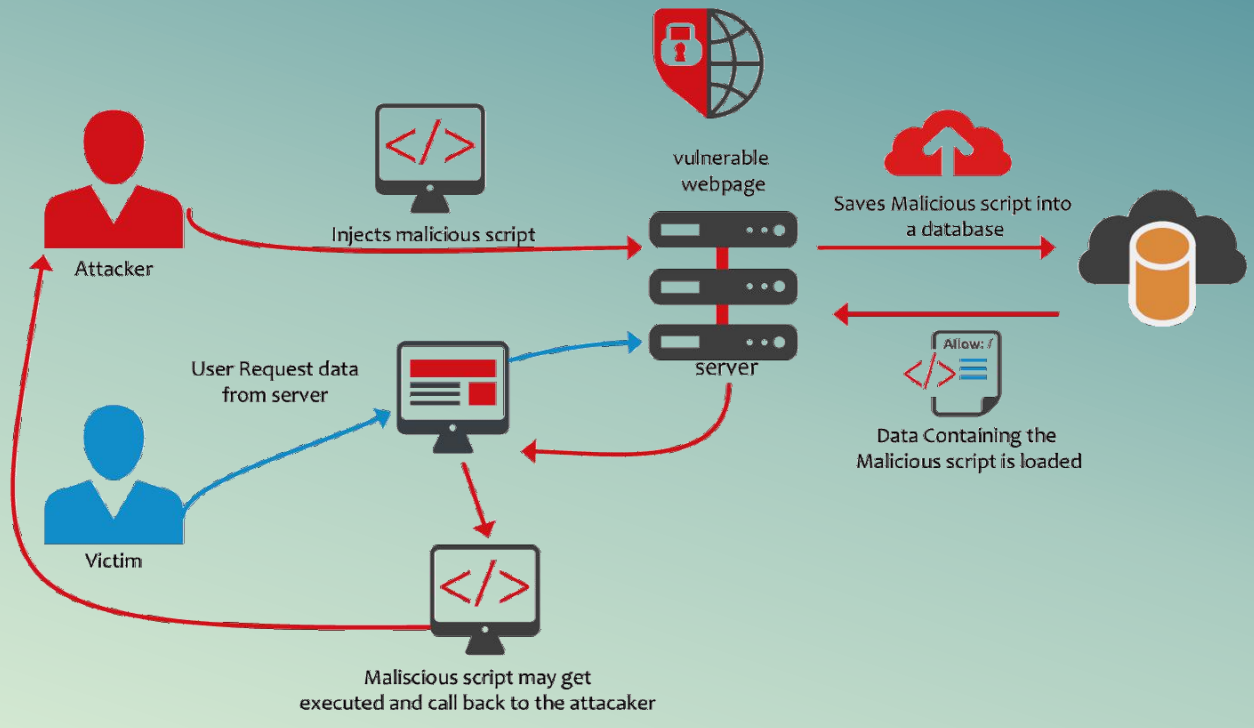
XSS

Cross-site scripting (XSS) is a code injection attack



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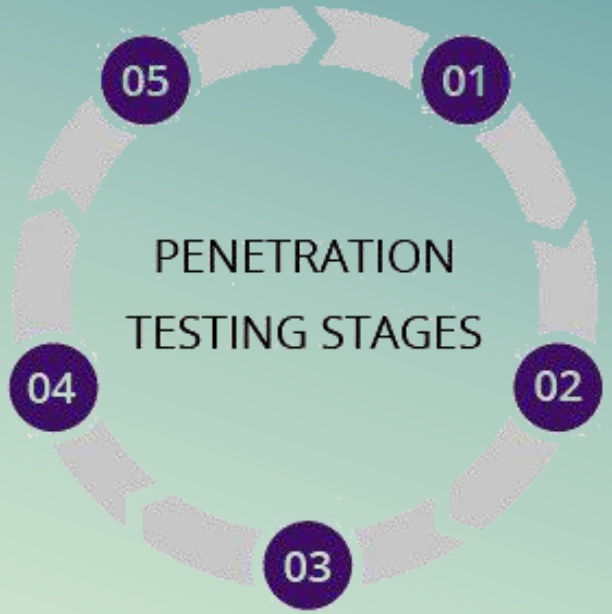
Penetration Testing



Planning and reconnaissance
Test goals are defined and intelligence is gathered.

Scanning
Scanning tools are used to understand how a target responds to intrusions.

Gaining access
Web application attacks are staged to uncover a target's vulnerabilities.

Maintaining access
APTs are imitated to see if a vulnerability can be used to maintain access.

Analysis and WAF configuration
Results are used to configure WAF settings before testing is run again.

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Thank You

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