



48730, 32548 - CYBER SECURITY & ESSENTIALS

LAB 5: TCP/IP BASED ATTACKS

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Outline:



1

SYN flooding Attack

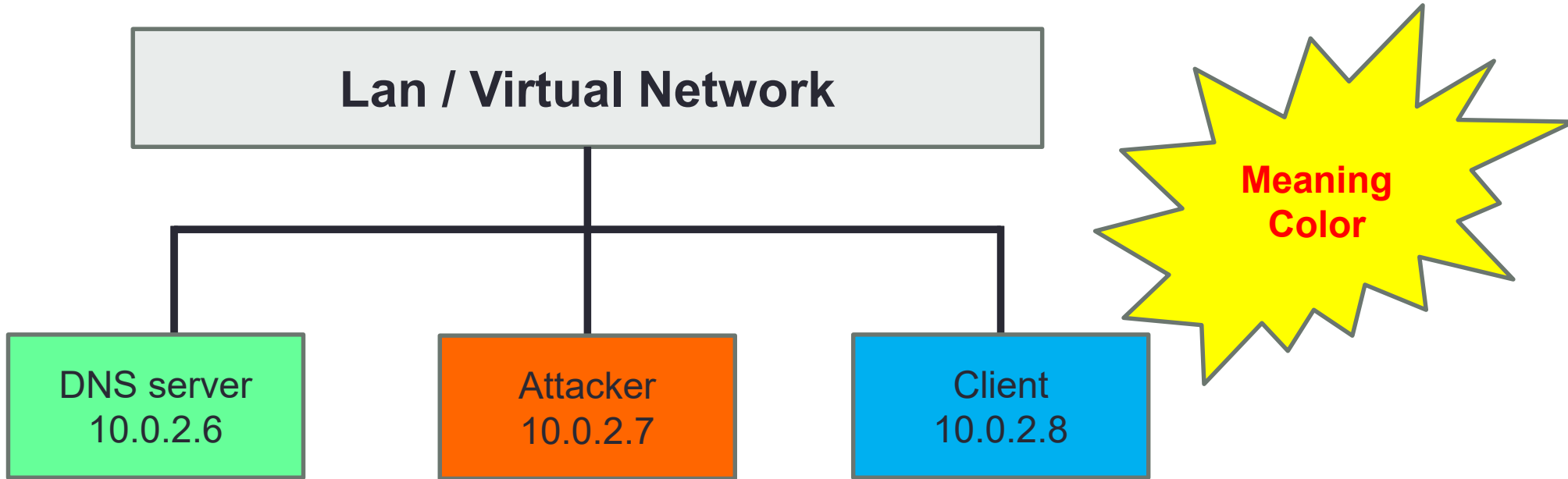
2

ARP cache poisoning

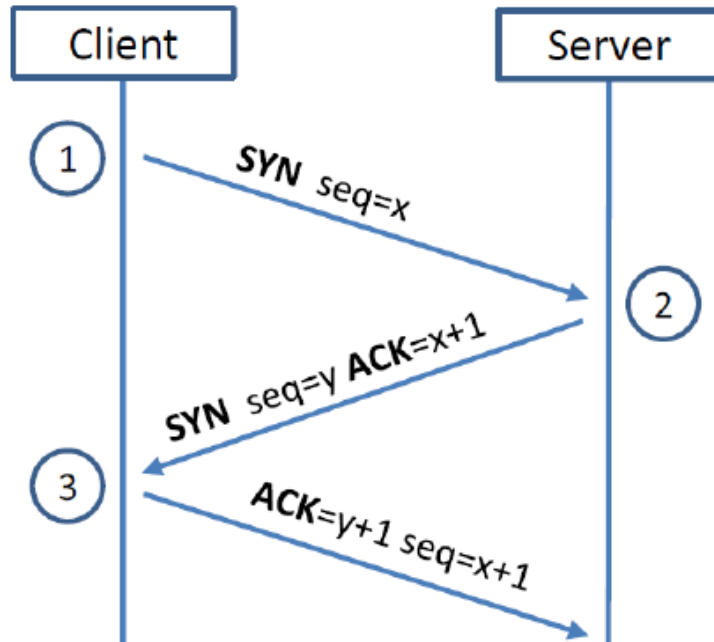
3

ICMP redirect attacks

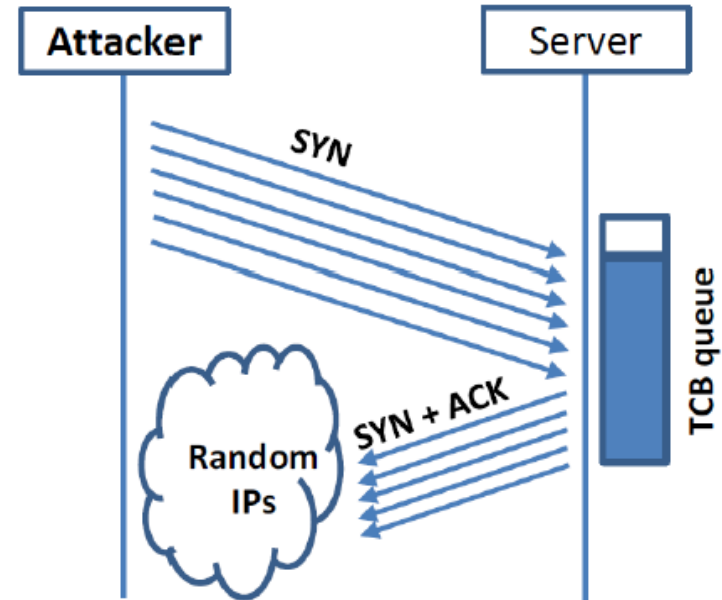
Our network design



1. SYN flooding attack [1]



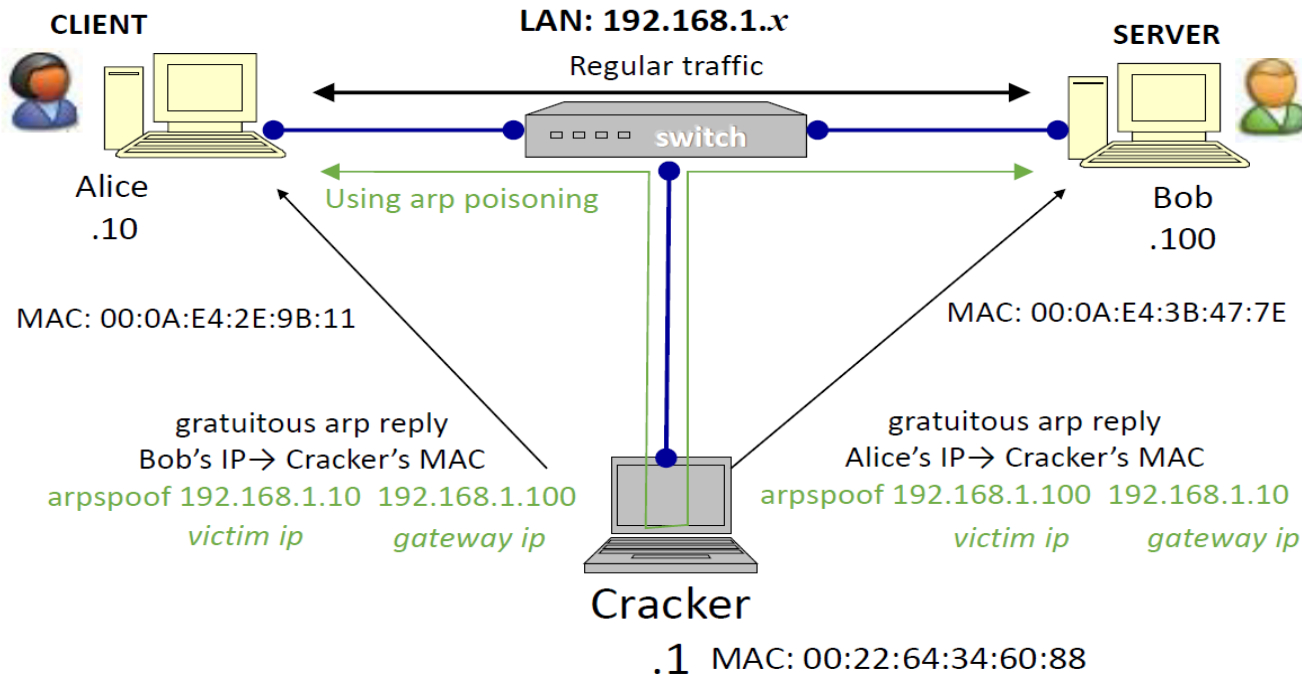
TCP 3-way Handshake Protocol



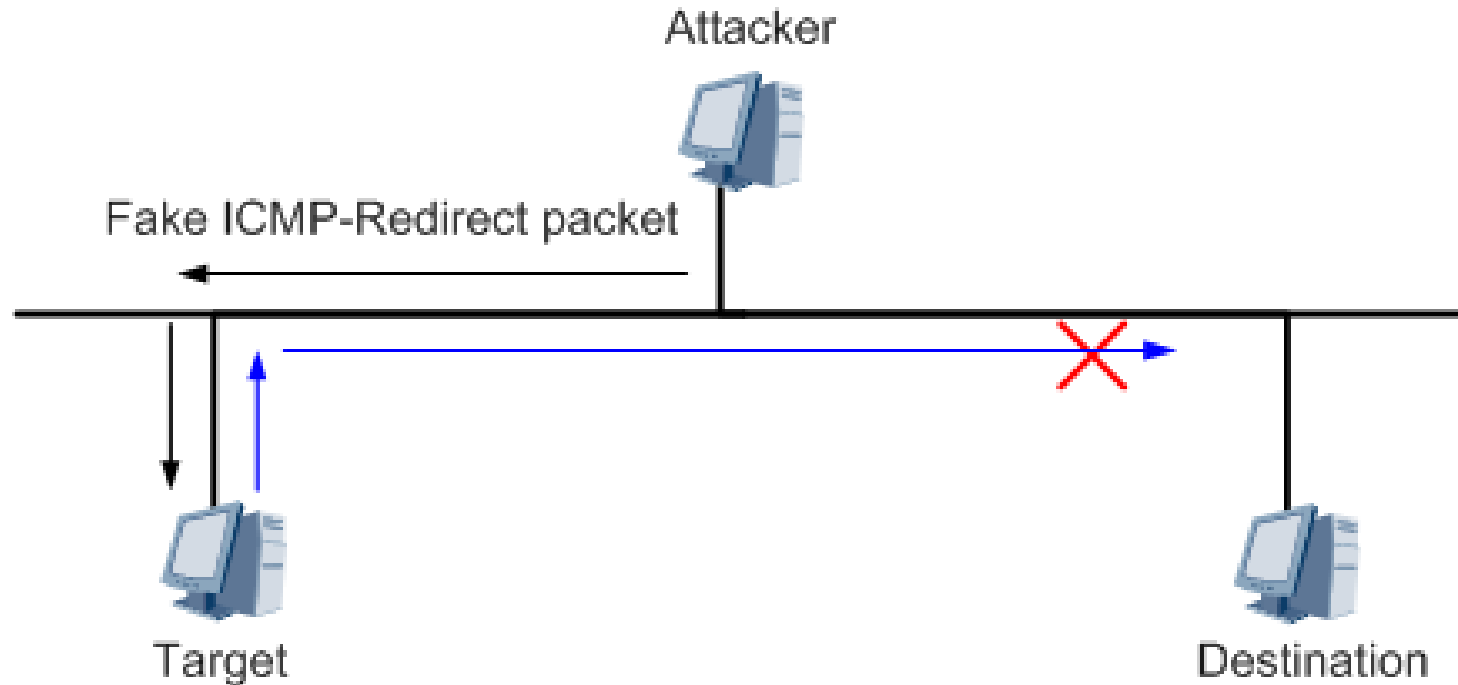
SYN Flooding Attack

2. ARP cache poisoning [1]

ARP Spoofing



3. ICMP redirect attack [2]



THANK YOU!

Question & Answer