# 48730, 32548 - CYBER SECURITY & ESSENTIALS

LAB 5: TCP/IP BASED ATTACKS

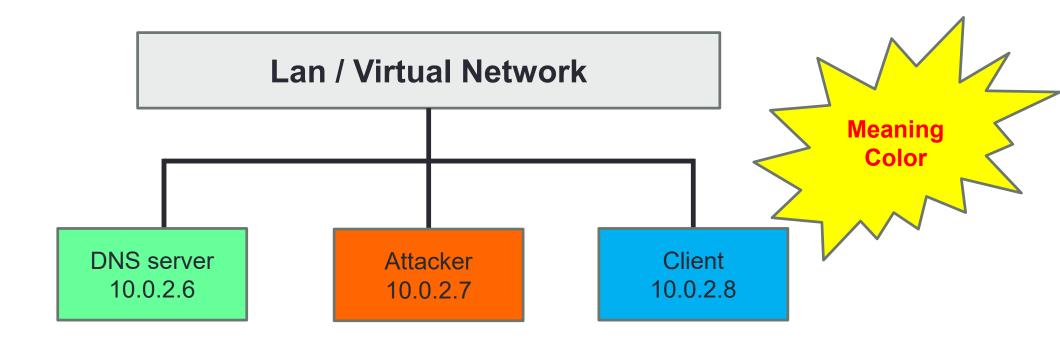
**Tutor: Ngoc LE** 

#### Outline:

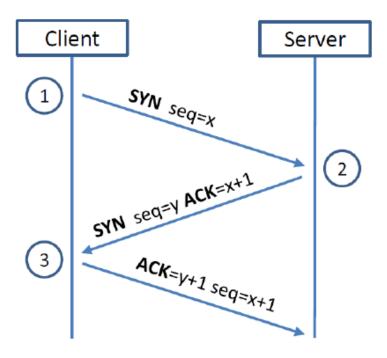
1 SYN flooding Attack2 ARP cache poisoning

3 (ICMP redirect attacks

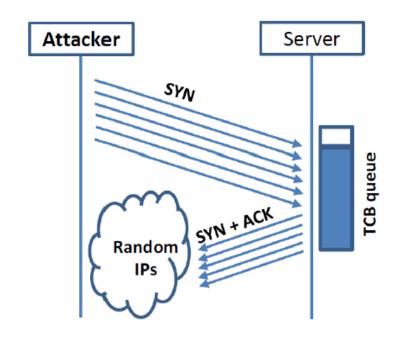
#### Our network design



#### 1. SYN flooding attack [1]



TCP 3-way Handshake Protocol

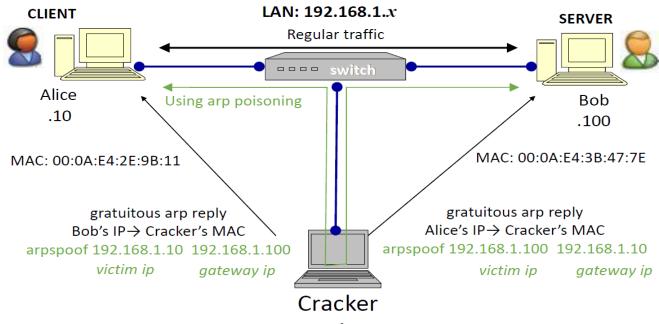


**SYN Flooding Attack** 

[1] Dr. Priyadarsi Nanda – Lecture notes (Week 6), Pages: 67-72

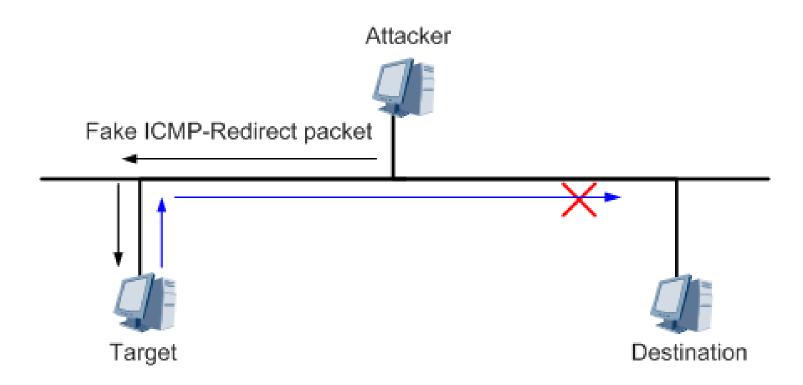
#### 2. ARP cache poisoning [1]

#### **ARP Spoofing**



.1 MAC: 00:22:64:34:60:88

### 3. ICMP redirect attack [2]



## **THANK YOU!**

# Question & Answer