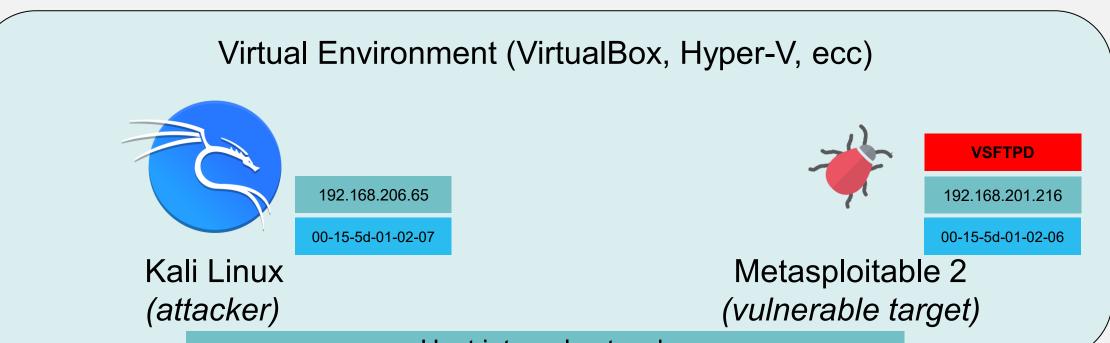


Lab Sicurezza & Privatezza Network Security Tools

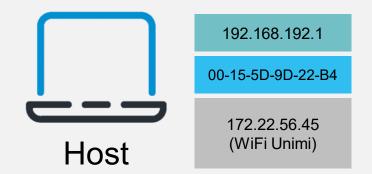




Setup



Host internal network (192.168.192.0/20)

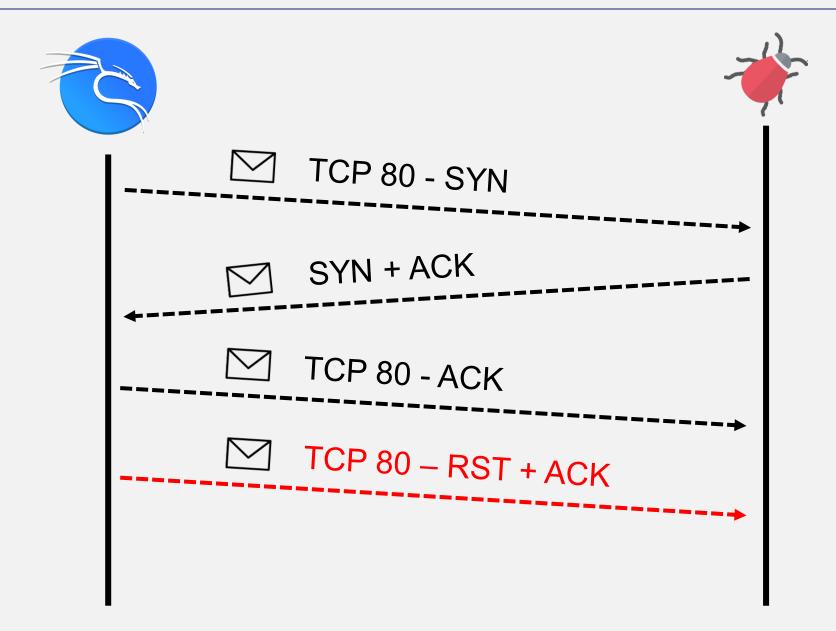




A.A. 2023/2024



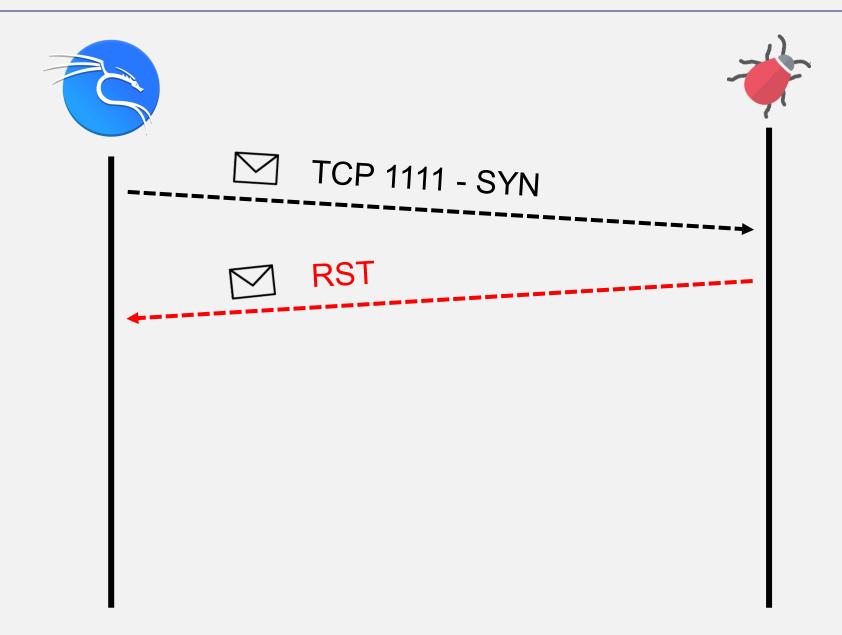
Nmap -sT 192.168.201.216 (existing service)







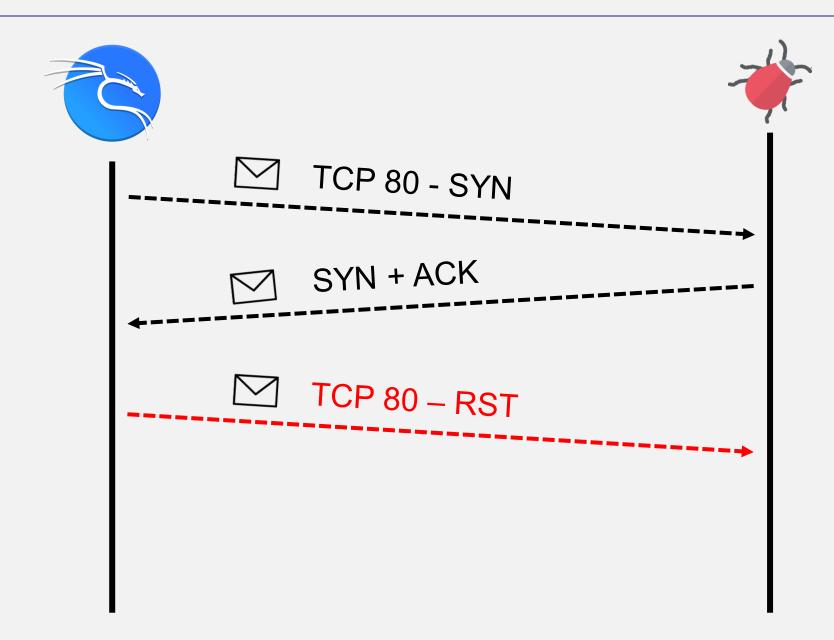
Nmap -sT 192.168.201.216 (non-existing service)







Nmap -sS 192.168.201.216







Nmap Idle Scan

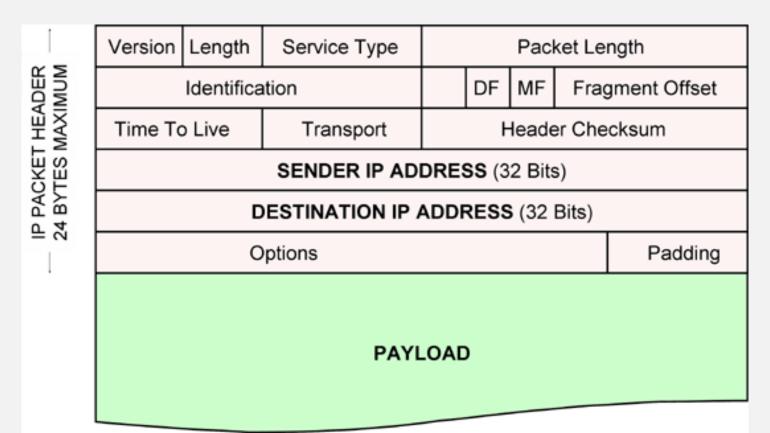
- Sfrutta la segmentazione IP per capire, tramite un host detto zombie, se una determinata porta di un host che vogliamo attaccare è aperta/chiusa
- L' host attaccato non riceve nessun pacchetto con ip sorgente dell' attaccante
- "Side-channel attack" perche valutiamo gli effetti che ha la comunicazione attaccato-zombie su alcuni header





IP Segmentation

- ID usato per gestire la frammentazione quando il payload supera la MTU
- In alcune
 implementazioni è un
 global counter



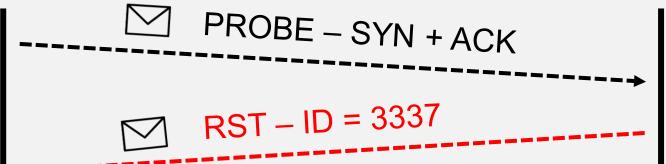




Probe Primitive





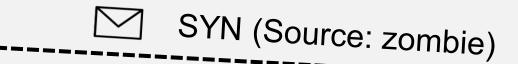


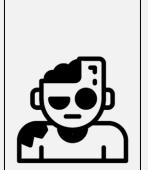




Port Status Deduction – Open Port



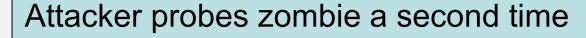




SYN + ACK



RST- ID = 3338



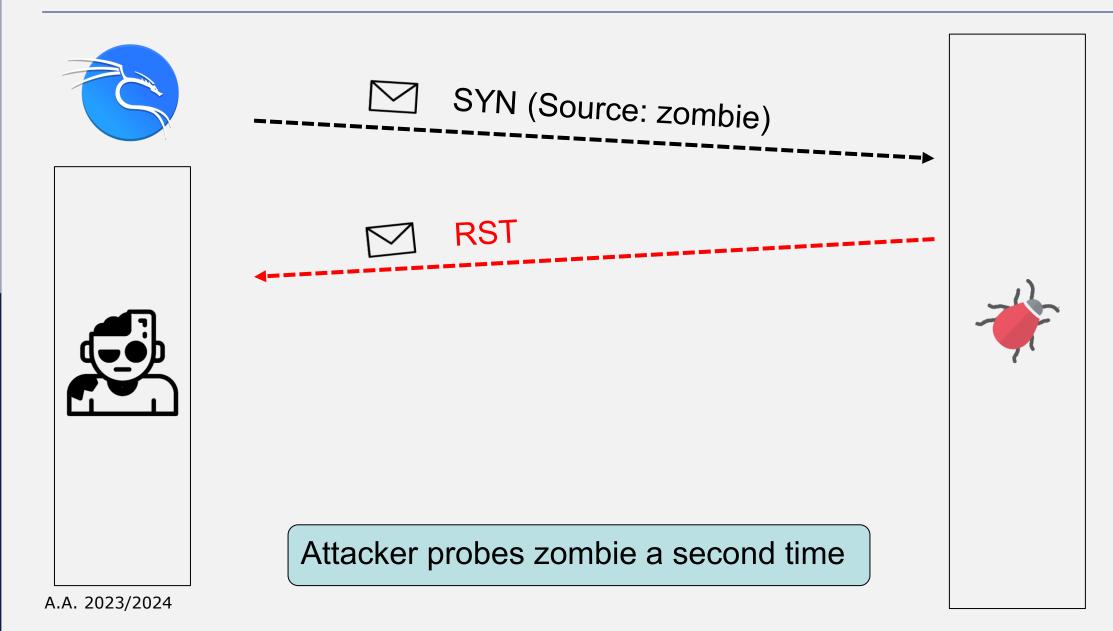


A.A. 2023/2024





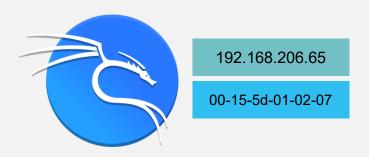
Port Status Deduction - Close Port







MITM



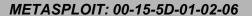
HOST: 00-15-5D-9D-22-B4

METASPLOIT: 00-15-5D-01-02-06



HOST: 00-15-5D-9D-22-B4

KALI: 00-15-5D-01-02-07



KALI: 00-15-5D-01-02-07



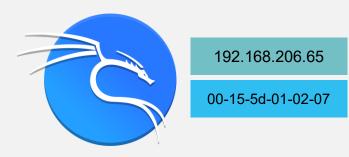
192.168.192.1

00-15-5D-9D-22-B4





MITM



HOST: 00-15-5D-9D-22-B4

METASPLOIT: 00-15-5D-01-02-06

