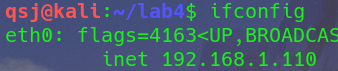
# TCP/IP Attack Lab

57117217戚吴祺

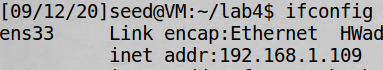


Environment Setup Above

Kali



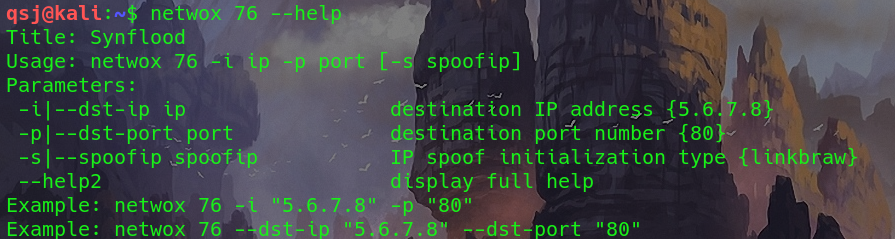
Ubuntu（Seed）



Windows10（host computer）

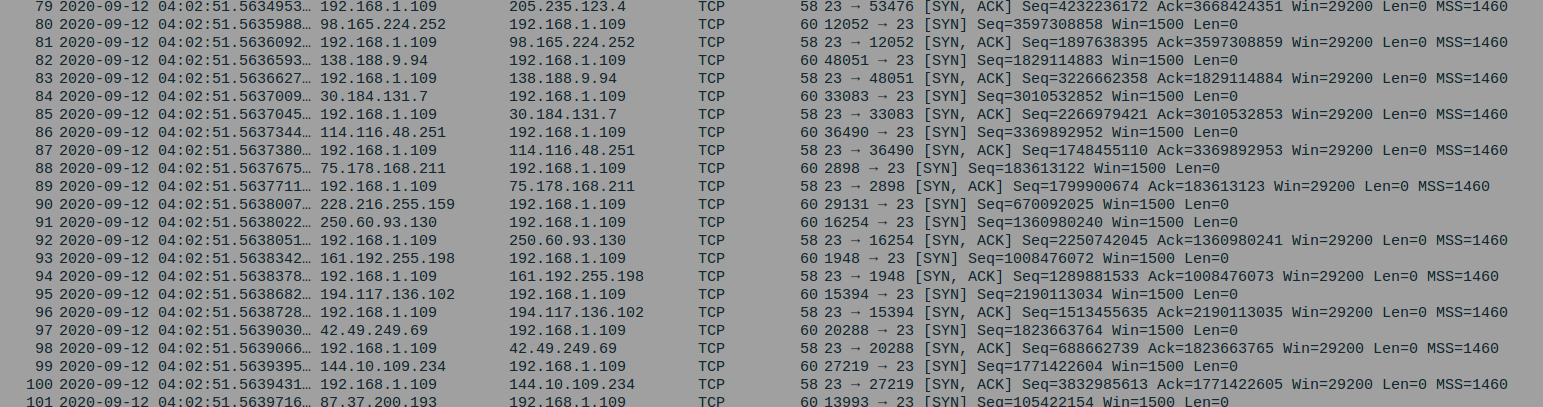


### Task 1: SYN Flooding Attack



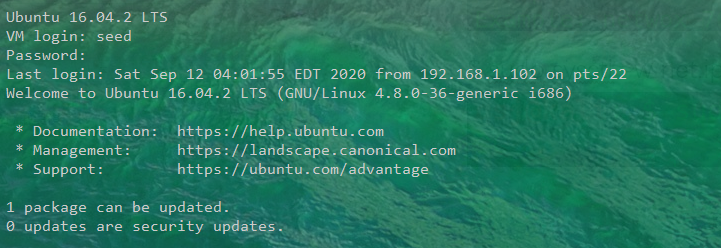
**$ sudo sysctl -w net.ipv4.tcp\_syncookies=0 (turn off SYN cookie)**





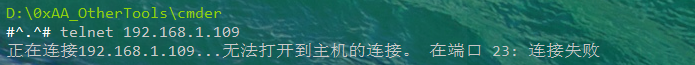
攻击开始

由于SYN Cookie Countermeasure 开启，telnet依旧连接成功



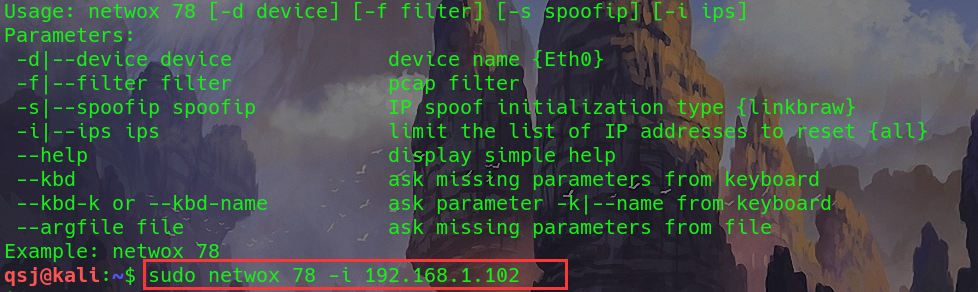
**$ sudo sysctl -w net.ipv4.tcp\_syncookies=1 (turn off SYN cookie)**

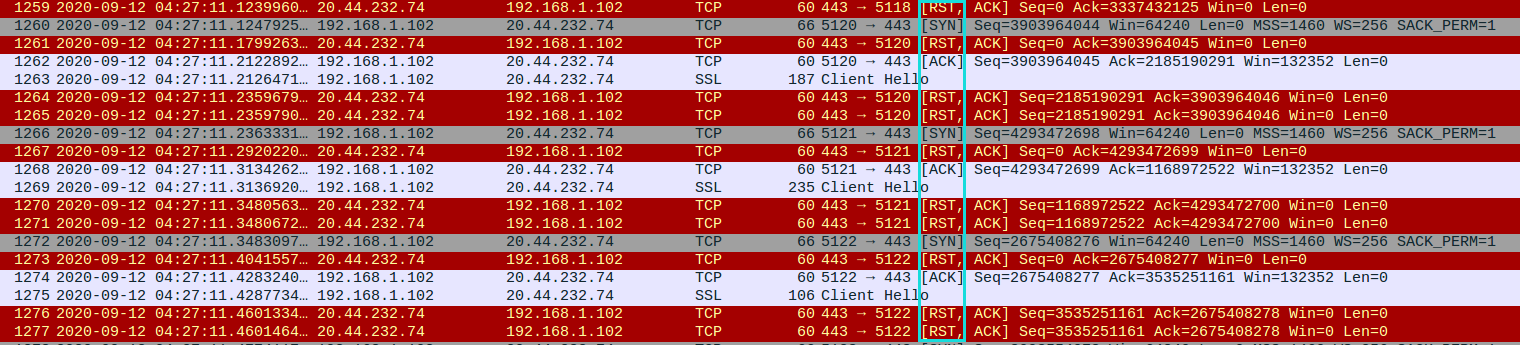
由于SYN Cookie Countermeasure 关闭，telnet 连接失败

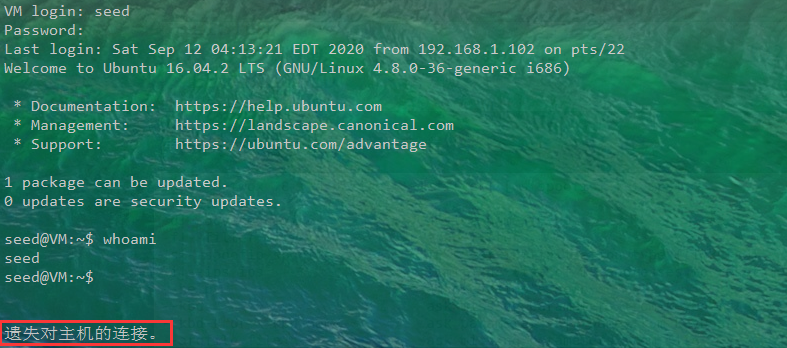


### Task 2: TCP RST Attacks on telnet and ssh Connections

#### Using netwox

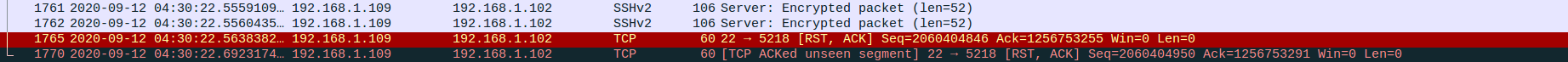


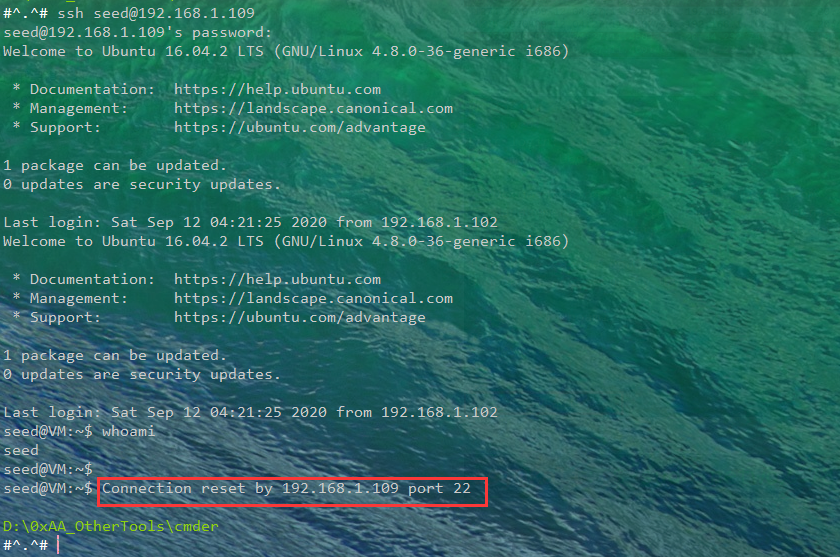




telnet断开连接，攻击成功

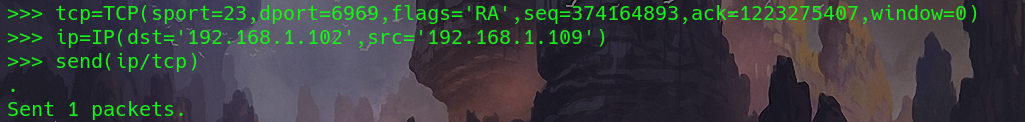


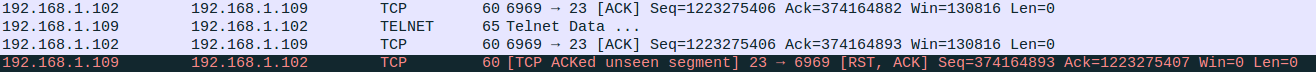


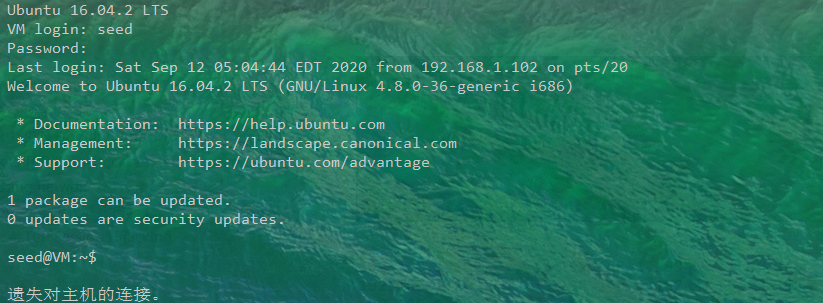


ssh断开连接，攻击成功

#### Using scapy







### Task 4: TCP Session Hijacking



