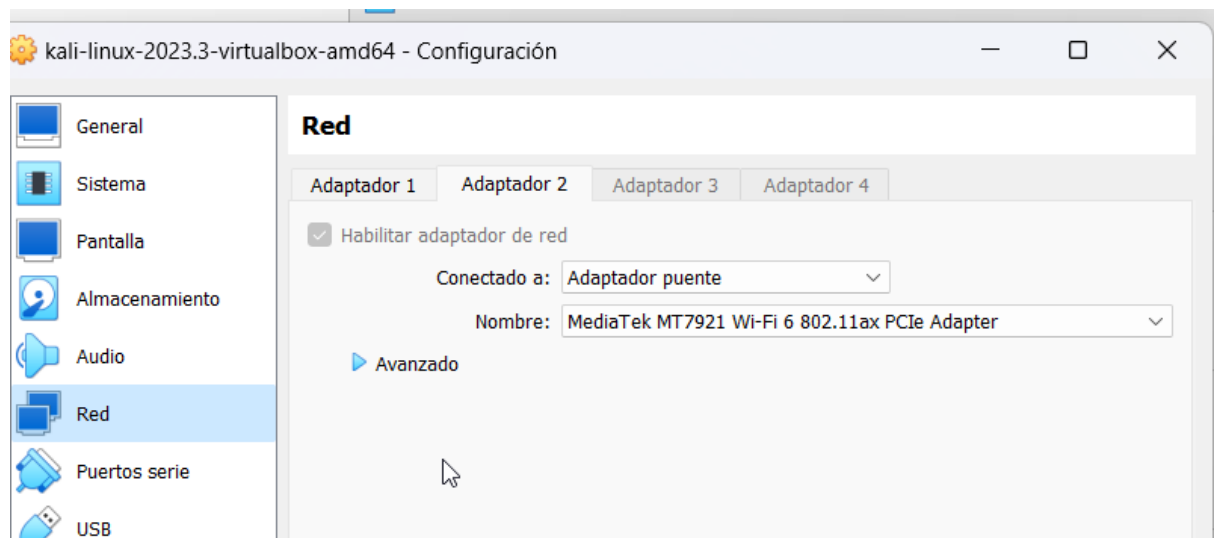


CTF Final

Configuracion

Configuramos la tarjeta de red a brigde



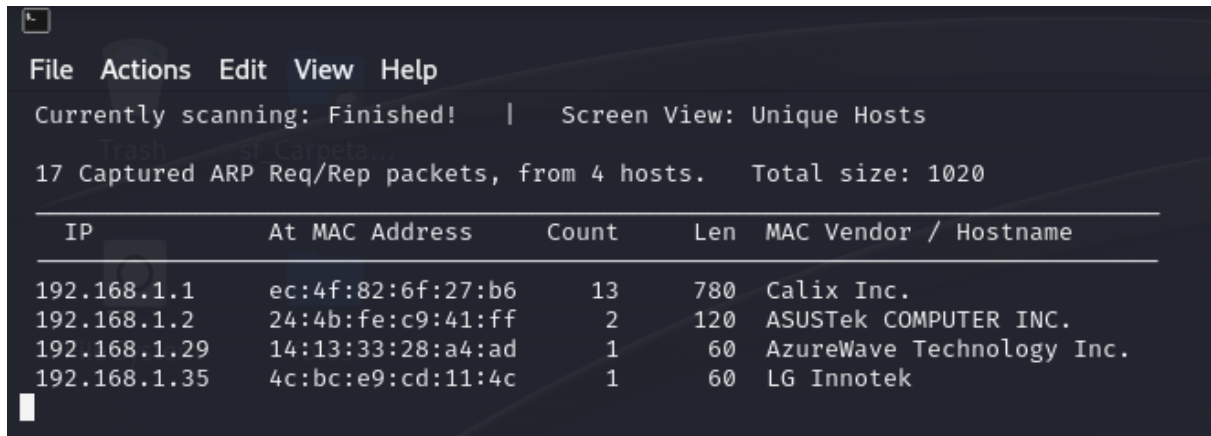
Vemos nuestra nueva IP

```
(kali㉿kali)-[~]
$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:cb:7e:f5 brd ff:ff:ff:ff:ff:ff
    inet 10.0.2.15/24 brd 10.0.2.255 scope global dynamic noprefixroute eth0
        valid_lft 85914sec preferred_lft 85914sec
    inet6 fe80::e76:6e4e:b0c4:b381/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:e3:cb:9b brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.37/24 brd 192.168.1.255 scope global dynamic noprefixroute eth1
    valid_lft 85911sec preferred_lft 85911sec
    inet6 fe80::426f:668d:623f:a0da/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

Selección de objetivo

Para localizar equipos conectados a la red hago uso del comando arp-scan además de la ip obtengo su MAC

```
sudo netdiscover -i eth1 -r 192.168.1.0/24
```



The screenshot shows the netdiscover application window. At the top, it says 'Currently scanning: Finished!' and 'Screen View: Unique Hosts'. Below that, it states '17 Captured ARP Req/Rep packets, from 4 hosts. Total size: 1020'. A table displays the results of the scan.

IP	At MAC Address	Count	Len	MAC Vendor / Hostname
192.168.1.1	ec:4f:82:6f:27:b6	13	780	Calix Inc.
192.168.1.2	24:4b:fe:c9:41:ff	2	120	ASUSTek COMPUTER INC.
192.168.1.29	14:13:33:28:a4:ad	1	60	AzureWave Technology Inc.
192.168.1.35	4c:bc:e9:cd:11:4c	1	60	LG Innotek

192.168.1.1 → router

192.168.1.2 → Equipo windows de sobremesa(objetivo)

192.168.1.29 →Equipo host de kali

192.168.1.35 → tele LG

Análisis de vulnerabilidades

Realizar una identificación de sistema operativo de un equipo objetivo.

(También es importante para validar el punto anterior y ver que equipos son).

Realizar una identificación de servicios y puertos abiertos del objetivo.

Realizar una identificación de versiones de servicios del objetivo.

```
sudo nmap -sS -p- -sV -Pn 192.168.1.2 -oN target
```

```

Nmap scan report for Antonio (192.168.1.2)
Host is up (0.13s latency).
Not shown: 65526 filtered tcp ports (no-response)
PORT      STATE SERVICE      VERSION
135/tcp    open  msrpc        Microsoft Windows RPC
139/tcp    open  netbios-ssn  Microsoft Windows netbios-ssn
445/tcp    open  microsoft-ds?
903/tcp    open  ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
913/tcp    open  vmware-auth  VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
5040/tcp   open  unknown
5357/tcp   open  http         Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
49668/tcp  open  msrpc        Microsoft Windows RPC
57621/tcp  open  unknown
MAC Address: 24:4B:FE:C9:41:FF (ASUSTek Computer)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 897.79 seconds

```

observo los `puertos abiertos, servicios y versiones.

Al estar el smb abierto compruebo a traves de crackmapexec que tipo de windows es

```
crackmapexec smb 192.168.1.2
```

```

(kali@kali)-[~]
└─$ crackmapexec smb 192.168.1.2
SMB 192.168.1.2 445 ANTONIO [*] Windows 10.0 Build 19041 x64 (name:ANTONIO) (domain:Antonio) (signing:False) (SMBv1:False)

```

veo que se trata de Windows 10 de 64 bits

Evaluación

Lanzo el script vuln de escaneo de vulnerabilidades con nmap

```
nmap -sV -p- --script "vuln" 192.168.1.2
```

```

Not shown: 65526 filtered tcp ports (no-response)
PORT      STATE SERVICE          VERSION
135/tcp   open  msrpc            Microsoft Windows RPC
139/tcp   open  netbios-ssn     Microsoft Windows netbios-ssn
445/tcp   open  microsoft-ds?
903/tcp   open  ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
|_ssl-ccs-injection: No reply from server (TIMEOUT)
913/tcp   open  vmware-auth     VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
5040/tcp   open  unknown
5357/tcp   open  http            Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
|_http-stored-xss: Couldn't find any stored XSS vulnerabilities.
|_http-csrf: Couldn't find any CSRF vulnerabilities.
|_http-dombased-xss: Couldn't find any DOM based XSS.
|_http-server-header: Microsoft-HTTPAPI/2.0
49668/tcp open  msrpc            Microsoft Windows RPC
57621/tcp open  unknown
MAC Address: 24:4B:FE:C9:41:FF (ASUSTek Computer)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows

Host script results:
|_smb-vuln-ms10-054: false
|_smb-vuln-ms10-061: Could not negotiate a connection:SMB: Failed to receive bytes: ERROR
|_samba-vuln-cve-2012-1182: Could not negotiate a connection:SMB: Failed to receive bytes: ERROR

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1666.71 seconds

```

No obtengo resultados de ninguna vulnerabilidad

Nessus

hago un escaneo autenticado

The screenshot shows the Nessus interface for configuring credentials. On the left, a sidebar lists categories: 'Host' (selected), 'SSH', and 'Windows'. The main area is titled 'Windows' and contains the following fields:

- Authentication method:** A dropdown menu set to 'Password'.
- Username:** A text input field containing 'antonio'.
- Password:** A text input field with 12 dots, indicating a masked password.
- Domain:** An empty text input field.
- Global Credential Settings:** A section with two checked checkboxes:
 - ☒ Never send credentials in the clear
 - ☒ Do not use NTLMv1 authentication

Windows / 192.168.1.2 Configure Audit Tra

[Back to Hosts](#)

Vulnerabilities 30

Filter Search Vulnerabilities 30 Vulnerabilities

<input type="checkbox"/>	Sev	Score	Name	Family	Count	
<input type="checkbox"/>	MEDIUM	5.3	SMB Signing not required	Misc.	1	
<input type="checkbox"/>	INFO		Nessus SYN scanner	Port scanners	9	
<input type="checkbox"/>	INFO		DCE Services Enumeration	Windows	8	

no obtengo ninguna vulnerabilidad alta, solo que la firma de autentificacion via smb esta deshabilitada.

MITM

inicio wireshark y selecciono la interfaz eth1

en el ordenador victima busco un web con un login en http

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celfi Centro latinoamericano de formación interdisciplinaria

Ministerio de Tecnología y Digitalización

Iniciar Sesión

Email: *

test@gmail.com

Contraseña: *

.....

Recordarme ☐

INGRESAR

[¿Olvidó su contraseña?](#)

Introduzco unas credenciales

Filtro en wireshark por el protocolo http

busco la peticion POST

