

Universidad Autónoma de Chiapas

Facultad de Contaduría y Administración, Campus I

Actividad 1.6 - Práctica 2 - "Escaneo de puertos"

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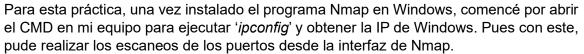
Asignatura: Análisis de Vulnerabilidades.

Grupo: LIDTS 7º "M".

Tuxtla Gutiérrez, Chiapas; 26/08/2023

Introducción	
En esta práctica se explora el uso básico de Nmap, una herramienta poderosa de escaneo de desde la línea de comandos en sistemas Windows (en mi caso). A lo largo de la práctica se most comandos esenciales y su funcionalidad. Desde escaneos básicos de puertos hasta detección servicios, versiones y vulnerabilidades, cómo obtener información valiosa sobre hosts y re Además, se enfatiza la importancia de utilizar Nmap de manera ética y respetuosa, obtenio permiso adecuado antes de realizar escaneos en redes o sistemas que no son de nuestra propiero	trará n de edes. endo

Escaneo de puertos y comandos (NMAP)

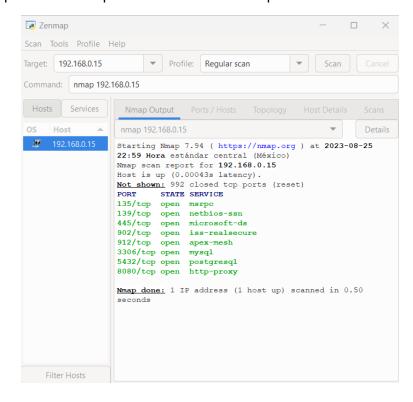




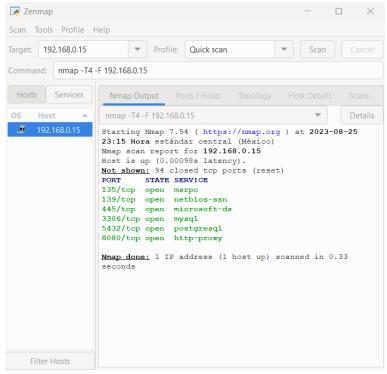
```
C:\Users\Paola>ipconfig
Configuración IP de Windows
Adaptador de Ethernet Ethernet 2:
  Sufijo DNS específico para la conexión. . :
  Vínculo: dirección IPv6 local. . . : fe80::d2a8:d444:e32a:dabf%3
  Dirección IPv4. . . . . . . . . . . . : 192.168.56.1
  Puerta de enlace predeterminada . . . . . :
Adaptador de LAN inalámbrica Conexión de área local* 9:
  Estado de los medios. . . . . . . . . : medios desconectados
  Sufijo DNS específico para la conexión. . :
Adaptador de LAN inalámbrica Conexión de área local* 10:
  Estado de los medios. . . . . . . . . : medios desconectados
  Sufijo DNS específico para la conexión. . :
Adaptador de Ethernet VMware Network Adapter VMnet1:
  Sufijo DNS específico para la conexión. . :
  Vínculo: dirección IPv6 local. . . : fe80::df8:bb2e:9e6f:60d9%49
  Dirección IPv4. . . . . . . . . . . . . : 192.168.72.1
  Puerta de enlace predeterminada . . . . . :
Adaptador de Ethernet VMware Network Adapter VMnet8:
  Sufijo DNS específico para la conexión. . :
  Vínculo: dirección IPv6 local. . . : fe80::c8c5:8052:da01:e43e%50
  Dirección IPv4. . . . . . . . . . . . . : 192.168.174.1
  Puerta de enlace predeterminada . . . . . :
Adaptador de LAN inalámbrica Wi-Fi:
  Sufijo DNS específico para la conexión. . :
  Vínculo: dirección IPv6 local. . . : fe80::25cd:72:730d:e921%16
  Dirección IPv4.
  Puerta de enlace predeterminada . . . . : 192.168.0.1
```

En Target (Objetivo) ingresé la IP de Windows; en Profile (Perfil) seleccioné el tipo de análisis a usar y di clic en Scan (Escaneo) para iniciar los procesos. Yo realicé tres procesos diferentes.

1. Escaneo regular.



2. Escaneo rápido.



3. Escaneo intenso.

```
Scan Tools Profile Help
                                                                                                             ▼ Profile: Intense scan
Target: 192.168.0.15
Command: nmap -T4 -A -v 192,168,0,15
Hosts Services Nmap Output Ports / Hosts Topology Host Details
OS Host
                      nmap -T4 -A -v 192.168.0.15
                      Starting Nmap 7.94 (https://nmap.org) at 2023-08-25 23:18 Hora estándar central (México) NSE: Loaded 156 scripts for scanning.
                      NSE: Script Pre-scanning.
                      Initiating NSE at 23:18
Completed NSE at 23:18, 0.00s elapsed
Initiating NSE at 23:18
                      Completed NSE at 23:18, 0.00s elapsed
                      Initiating NSE at 23:18
                      Completed NSE at 23:18, 0.00s elapsed Initiating Parallel DNS resolution of 1 host. at 23:18
                      Completed Parallel DNS resolution of 1 host. at 23:18, 0.02s elapsed
                      Initiating SYN Stealth Scan at 23:18
Scanning 192.168.0.15 [1000 ports]
                      Discovered open port 139/tcp on 192.168.0.15
Discovered open port 3306/tcp on 192.168.0.15
                      Discovered open port 445/tcp on 192.168.0.15
Discovered open port 135/tcp on 192.168.0.15
                      Discovered open port 8080/tcp on 192.168.0.15
Discovered open port 902/tcp on 192.168.0.15
Discovered open port 5432/tcp on 192.168.0.15
                      Discovered open port 912/tcp on 192.168.0.15
Completed SYN Stealth Scan at 23:18, 0.05s elapsed (1000 total ports)
                      Initiating Service scan at 23:18
Scanning 8 services on 192.168.0.15
                      Completed Service scan at 23:18, 7.70s elapsed (8 services on 1 host) Initiating OS detection (try #1) against 192.168.0.15
                      NSE: Script scanning 192.168.0.15.
                      Initiating NSE at 23:18
Completed NSE at 23:18, 14.27s elapsed
                      Initiating NSE at 23:18
Completed NSE at 23:18, 0.32s elapsed
                      Initiating NSE at 23:18
                      Completed NSE at 23:18, 0.00s elapsed
                      Nmap scan report for 192.168.0.15
                      Host is up (0.00050s latency).

Not shown: 992 closed tcp ports (reset)
                                                       VERSION
Microsoft Windows RPC
                      PORT
                                STATE SERVICE
                      135/tcp open msrpc
                      139/tcp open netbios-ssn
                                                          Microsoft Windows netbios-ssn
                       445/tcp open microsoft-ds?
                      902/tcp open ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
                      912/tcp open vmware-auth
                                                          VMware Authentication Daemon 1.0 (Uses VNC, SOAP) MySQL (unauthorized)
                      3306/tcp open mysql
    Filter Hosts
5432/tcp open postgresql?
                                         Apache httpd
8080/tcp open http
|_http-title: Site doesn't have a title (text/html).
|_http-open-proxy: Proxy might be redirecting requests
| http-methods:
    Supported Methods: POST OPTIONS HEAD GET TRACE
    Potentially risky methods: TRACE
|_http-server-header: Apache
Device type: general purpose
Running: Microsoft Windows 10
OS CPE: cpe:/o:microsoft:windows_10:1607
OS details: Microsoft Windows 10 1607
<u>Uptime guess:</u> 14.276 days (since Fri Aug 11 16:41:24 2023)
Network Distance: 0 hops
TCP Sequence Prediction: Difficulty=263 (Good luck!)
IP ID Sequence Generation: Incremental
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
    date: 2023-08-26T05:18:36
     start date: N/A
| smb2-security-mode:
       Message signing enabled but not required
NSE: Script Post-scanning.
Initiating NSE at 23:18
Completed NSE at 23:18, 0.00s elapsed
Initiating NSE at 23:18
Completed NSE at 23:18, 0.00s elapsed
Initiating NSE at 23:18
Completed NSE at 23:18, 0.00s elapsed
Read data files from: C:\Program Files (x86)\Nmap
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ . Nmap done: 1 IP address (1 host up) scanned in 25.48 seconds
              Raw packets sent: 1016 (45.418KB) | Rcvd: 2046 (87.052KB)
```

Ahora bien, para ejecutar los comandos que el profesor nos proporcionó en el PDF, abrí el símbolo de sistema como administrador, pues Nmap requiere permisos especiales para realizar escaneos de red y acceder a ciertos recursos del sistema. Abrir la línea de comandos en modo administrador garantiza que Nmap tenga los permisos necesarios para funcionar correctamente... Una vez abierto de esta manera, me ubiqué al directorio de Nmap y empecé a ejecutar todos los comandos.

 a) nmap 192.168.0.15 (Ejecuta un escaneo básico en el host con mi dirección IP. El escaneo básico intenta identificar los puertos abiertos en este host y muestra la información sobre los servicios que se ejecutan en esos puertos).

```
C:\Windows\System32>cd "C:\Program Files (x86)\Nmap"
 C:\Program Files (x86)\Nmap>nmap 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-25 23:36 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.000060s latency).
Not shown: 992 closed tcp ports (reset)
PORT STATE SERVICE
 135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
902/tcp open iss-realsecure
 912/tcp open apex-mesh
 3306/tcp open mysql
 5432/tcp open postgresql
8080/tcp open http-proxy
Nmap done: 1 IP address (1 host up) scanned in 0.34 seconds
```

b) nmap -O 192.168.0.15 (Ejecuta un escaneo con detección de sistema operativo en el host. La opción -O indica a Nmap que realice una adivinanza sobre el sistema operativo que podría estar ejecutándose en el host objetivo, en función de las características de la red y las respuestas a las solicitudes enviadas durante el escaneo).

```
C:\Program Files (x86)\Nmap>nmap -0 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-25 23:49 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00048s latency).
Not shown: 992 closed tcp ports (reset)
       STATE SERVICE
PORT
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
902/tcp open iss-realsecure
912/tcp open apex-mesh
3306/tcp open mysql
5432/tcp open postgresql
8080/tcp open http-proxy
Device type: general purpose
Running: Microsoft Windows 10
OS CPE: cpe:/o:microsoft:windows_10:1607
OS details: Microsoft Windows 10 1607
Network Distance: 0 hops
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.47 seconds
```

c) nmap -sV 192.168.0.15 (Ejecuta un escaneo de servicios y versiones en el host. La opción -sV indica que realice un escaneo para detectar los servicios que se están ejecutando en los puertos abiertos del host y también intente determinar las versiones de esos servicios).

```
:\Program Files (x86)\Nmap>nmap -sV 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-25 23:45 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00012s latency).
Not shown: 992 closed tcp ports (reset)
PORT
       STATE SERVICE
                              VERSTON
135/tcp open msrpc
                              Microsoft Windows RPC
139/tcp open netbios-ssn
                              Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
902/tcp open ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
                              VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
912/tcp open vmware-auth
3306/tcp open mysal
                              MvSOL (unauthorized)
5432/tcp open postgresql?
                              Apache httpd
8080/tcp open http
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 8.36 seconds
```

d) nmap -A 192.168.0.15 (DE TODO EL SEGMENTO... Ejecuta un escaneo avanzado. La opción -A indica que realice un escaneo con detección de sistema operativo, detección de versión de servicio, detección de script y trazado de ruta (traceroute) integrados).

```
C:\Program Files (x86)\Nmap>nmap -A 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-25 23:52 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00068s latency).
Not shown: 992 closed tcp ports (reset)
PORT
        STATE SERVICE
                              VERSION
                              Microsoft Windows RPC
135/tcp open msrpc
                              Microsoft Windows netbios-ssn
139/tcp open
              netbios-ssn
445/tcp open microsoft-ds?
902/tcp open ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
                               VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
912/tcp open vmware-auth
3306/tcp open mysql
                              MySQL (unauthorized)
5432/tcp open postgresql?
                              Apache httpd
8080/tcp open http
 _http-title: Site doesn't have a title (text/html).
 http-methods:
   Potentially risky methods: TRACE
 _http-open-proxy: Proxy might be redirecting requests
_http-server-header: Apache
Device type: general purpose
Running: Microsoft Windows 10
OS CPE: cpe:/o:microsoft:windows_10:1607
OS details: Microsoft Windows 10 1607
Network Distance: 0 hops
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
 smb2-time:
   date: 2023-08-26T05:52:47
   start_date: N/A
 smb2-security-mode:
   3:1:1:
      Message signing enabled but not required
OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/
Nmap done: 1 IP address (1 host up) scanned in 23.93 seconds
```

e) nmap -v -p139,445 --script=smb-vuln-*.nse --script-args=unsafe=1 192.168.0.15 (Ejecuta un escaneo enfocado en las vulnerabilidades de SMB (Server Message Block), un protocolo de red utilizado para compartir archivos e impresoras en redes locales).

```
:\Program Files (x86)\Nmap>nmap -v -p139,445 --script=smb-vuln-*.nse --script-args=unsafe=1 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-25 23:54 Hora estßndar central (MÚxico)
NSE: Loaded 11 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 23:54
Completed NSE at 23:54, 0.00s elapsed
Initiating Parallel DNS resolution of 1 host. at 23:54
Completed Parallel DNS resolution of 1 host. at 23:54, 0.02s elapsed
Initiating SYN Stealth Scan at 23:54
Scanning 192.168.0.15 [2 ports]
Discovered open port 139/tcp on 192.168.0.15
Discovered open port 445/tcp on 192.168.0.15
Completed SYN Stealth Scan at 23:54, 0.01s elapsed (2 total ports)
NSE: Script scanning 192.168.0.15.
Initiating NSE at 23:54
Completed NSE at 23:55, 12.83s elapsed
Nmap scan report for 192.168.0.15
Host is up (0.0010s latency).
      STATE SERVICE
139/tcp open netbios-ssn
445/tcp open microsoft-ds
Host script results:
_smb-vuln-ms10-061: Could not negotiate a connection:SMB: Failed to receive bytes: ERROR
_smb-vuln-ms10-054: ERROR: Script execution failed (use -d to debug)
NSE: Script Post-scanning.
Initiating NSE at 23:55
Completed NSE at 23:55, 0.00s elapsed
Read data files from: C:\Program Files (x86)\Nmap
Nmap done: 1 IP address (1 host up) scanned in 13.31 seconds
          Raw packets sent: 2 (88B) | Rcvd: 5 (216B)
```

f) nmap -p445 --script smb-vuln-ms17-010 192.168.0.15 (Ejecuta un escaneo en el host con mi dirección IP 192.168.0.15, focalizado en la vulnerabilidad específica MS17-010 en el servicio SMB (Server Message Block) que utiliza el puerto 445.)

```
C:\Program Files (x86)\Nmap>nmap -p445 --script smb-vuln-ms17-010 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:16 Hora est&ndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00s latency).

PORT STATE SERVICE
445/tcp open microsoft-ds
Nmap done: 1 IP address (1 host up) scanned in 1.54 seconds
```

Ahora bien, ejecuté 10 comandos más solicitados por el profesor:

1. nmap -sn 192.168.0.0/24 (Escaneo de ping (sin barrido de puertos) en una red completa para detectar hosts activos).

```
C:\Program Files (x86)\Nmap>nmap -sn 192.168.0.0/24
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:39 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.1
Host is up (0.012s latency).
MAC Address: 48:4B:D4:11:07:E6 (Technicolor CH USA)
Nmap scan report for 192.168.0.10
Host is up (0.0020s latency).
MAC Address: 48:4B:D4:11:07:E8 (Technicolor CH USA)
Nmap scan report for 192.168.0.16
Host is up (0.0050s latency).
MAC Address: 90:9A:4A:2B:1D:85 (TP-Link Technologies)
Nmap scan report for 192.168.0.28
Host is up (0.011s latency).
MAC Address: 12:C1:E1:D5:47:02 (Unknown)
Nmap scan report for 192.168.0.15
Host is up.
Nmap done: 256 IP addresses (5 hosts up) scanned in 8.29 seconds
```

2. nmap -p T:80,U:53 192.168.0.15 (Escaneo TCP en el puerto 80 y escaneo UDP en el puerto 53 en el host 192.168.0.15).

```
C:\Program Files (x86)\Nmap>nmap -p T:80,U:53 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:42 Hora est&ndar central (MÚxico)
WARNING: Your ports include "U:" but you haven't specified UDP scan with -sU.
Nmap scan report for 192.168.0.15
Host is up (0.00s latency).

PORT STATE SERVICE
80/tcp closed http

Nmap done: 1 IP address (1 host up) scanned in 0.31 seconds
```

3. nmap -O 192.168.0.15 (Detección del sistema operativo).

```
C:\Program Files (x86)\Nmap>nmap -0 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:43 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00035s latency).
Not shown: 992 closed tcp ports (reset)
       STATE SERVICE
PORT
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
902/tcp open iss-realsecure
912/tcp open apex-mesh
3306/tcp open mysql
5432/tcp open postgresql
8080/tcp open http-proxy
Device type: general purpose
Running: Microsoft Windows 10
OS CPE: cpe:/o:microsoft:windows_10:1607
OS details: Microsoft Windows 10 1607
Network Distance: 0 hops
OS detection performed. Please report any incorrect results at https://nmap.org/submit/
Nmap done: 1 IP address (1 host up) scanned in 1.47 seconds
```

4. nmap -sU -p123 192.168.0.15 (Escaneo UDP en el puerto 123 (NTP)).

```
C:\Program Files (x86)\Nmap>nmap -sU -p123 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:44 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up.

PORT STATE SERVICE
123/udp open|filtered ntp

Nmap done: 1 IP address (1 host up) scanned in 2.39 seconds
```

5. nmap -p- -sV 192.168.0.15 (Escaneo de todos los puertos y detección de servicios y versiones).

```
C:\Program Files (x86)\Nmap>nmap -p- -sV 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:45 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00079s latency).
Not shown: 65517 closed top ports (reset)
PORT STATE SERVICE VERSION
135/tcp open msrpc
137/tcp filtered netbios-ns
139/tcp open
445/tcp open
                     netbios-ssn
microsoft-ds?
                                           Microsoft Windows netbios-ssn
902/tcp open
912/tcp open
                       ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP) vmware-auth VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
3306/tcp open
5040/tcp open
                       mysql
unknown
                                           MySOL (unauthorized)
                       postgresql?
5432/tcp open
                       pando
http
                                          Apache httpd
 8080/tcp open
33060/tcp open
19664/tcp open
                       mysqlx?
                                           Microsoft Windows RPC
                       msrpc
                                          Microsoft Windows RPC
Microsoft Windows RPC
 9666/tcp open
19667/tcp open
19668/tcp open
                                          Microsoft Windows RPC
Microsoft Windows RPC
                       msrpc
SF:x0fInvalid\x20message\"\x05HY000")%r(Help,9,"\x05\0\0\0\x0b\x08\x05\x1a
SF:\0")%r(SSLSessionReq,2B,"\x05\0\0\0\x0b\x08\x05\x1a\0\x1e\0\0\0\x01\x08
 F:\x01\x10\x88'\x1a\x0fInvalid\x20message\"\x05HY000")%r(TerminalServerCo
F:okie,9,"\x05\0\0\0\x0b\x08\x05\x1a\0")%r(TLSSessionReq,2B,"\x05\0\0\0\x
55:0\0\0\x0b\x08\x05\x1a\0"\%r(NCP,9, "\x05\0\0\0\x0b\x08\x05\x1a\0"\)%r(Not
5F:esRPC,2B, "\x05\0\0\0\x0b\x08\x05\x1a\0\0\x0b\x08\x01\x10\x8x'\x
```

6. nmap -v -A 192.168.0.15 (Escaneo completo que incluye detección de sistema operativo, detección de servicios y trazado de ruta en el host).

```
C:\Program Files (x86)\Nmap>nmap -v -A 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 00:59 Hora estßndar central (MÚxico)
NSE: Loaded 156 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 01:13
Completed NSE at 01:13, 0.00s elapsed
Initiating NSE at 01:13
Completed NSE at 01:13, 0.00s elapsed
Initiating NSE at 01:13
Completed NSE at 01:13, 0.00s elapsed
Initiating Parallel DNS resolution of 1 host. at 01:13
Completed Parallel DNS resolution of 1 host. at 01:13, 0.02s elapsed
Initiating SYN Stealth Scan at 01:13
Scanning 192.168.0.15 [1000 ports]
Discovered open port 3306/tcp on 192.168.0.15
Discovered open port 135/tcp on 192.168.0.15
Discovered open port 8080/tcp on 192.168.0.15
Discovered open port 139/tcp on 192.168.0.15
Discovered open port 445/tcp on 192.168.0.15
Discovered open port 902/tcp on 192.168.0.15
Discovered open port 912/tcp on 192.168.0.15
Discovered open port 5432/tcp on 192.168.0.15
Completed SYN Stealth Scan at 01:13, 0.06s elapsed (1000 total ports)
Initiating Service scan at 01:13
Scanning 8 services on 192.168.0.15
Completed Service scan at 01:13, 7.22s elapsed (8 services on 1 host)
Initiating OS detection (try #1) against 192.168.0.15
NSE: Script scanning 192.168.0.15.
Initiating NSE at 01:13
Completed NSE at 01:13, 14.29s elapsed
Initiating NSE at 01:13
Completed NSE at 01:13, 0.31s elapsed
Initiating NSE at 01:13
Completed NSE at 01:13, 0.00s elapsed
Nmap scan report for 192.168.0.15
Host is up (0.00072s latency).
Not shown: 992 closed tcp ports (reset)
        STATE SERVICE
135/tcp open msrpc
                               Microsoft Windows RPC
139/tcp open netbios-ssn
                               Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
902/tcp open ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
912/tcp open vmware-auth
                                VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
3306/tcp open mysql
                                MySQL (unauthorized)
5432/tcp open postgresql?
8080/tcp open http
                                Apache httpd
_http-server-header: Apache
 _http-title: Site doesn't have a title (text/html).
 http-methods:
    Supported Methods: POST OPTIONS HEAD GET TRACE
    Potentially risky methods: TRACE
|_http-open-proxy: Proxy might be redirecting requests
Device type: general purpose
Running: Microsoft Windows 10
OS CPE: cpe:/o:microsoft:windows_10:1607
OS details: Microsoft Windows 10 1607
Uptime guess: 14.356 days (since Fri Aug 11 16:41:24 2023)
Network Distance: 0 hops
TCP Sequence Prediction: Difficulty=260 (Good luck!)
IP ID Sequence Generation: Incremental
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

192.168.0.15

(Escaneo de tipo SYN (Stealth Scan) sin hacer ping para determinar los puertos abiertos).

```
C:\Program Files (x86)\Nmap>nmap -sS -Pn 192.168.0.15
                                Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 01:14 Hora estßndar central (MÚxico)
7. nmap -sS -Pn Nmap scan report for 192.168.0.15
                                Host is up (0.00081s latency).
                                Not shown: 992 closed tcp ports (reset)
                               PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
                               445/tcp open microsoft-ds
902/tcp open iss-realsecu
                                                iss-realsecure
                               912/tcp open apex-mesh
                               3306/tcp open mysql
5432/tcp open postg
                                                postgresql
                               8080/tcp open http-proxy
                                Nmap done: 1 IP address (1 host up) scanned in 0.35 seconds
```

8. nmap -p80 --script http-enum 192.168.0.15 (Escaneo en el puerto 80 utilizando un script para enumerar directorios y archivos en un servidor web).

```
C:\Program Files (x86)\Nmap>nmap -p80 --script http-enum 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 01:16 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00s latency).
PORT STATE SERVICE
80/tcp closed http
Nmap done: 1 IP address (1 host up) scanned in 0.37 seconds
```

9. nmap -T4 -F 192.168.0.15 (Escaneo rápido en el host 192.168.0.15 usando una velocidad de escaneo más rápida y solo los puertos más comunes).

```
C:\Program Files (x86)\Nmap>nmap -T4 -F 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 01:17 Hora est&ndar central (Múxico)
Nmap scan report for 192.168.0.15
Host is up (0.00045s latency).
Not shown: 94 closed tcp ports (reset)
PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
445/tcp open microsoft-ds
3306/tcp open mysql
5432/tcp open postgresql
8080/tcp open http-proxy
Nmap done: 1 IP address (1 host up) scanned in 0.31 seconds
```

10. nmap -p445 --script smb-vuln-cve-2017-7494 192.168.0.15 (Escaneo en el puerto 445 para la vulnerabilidad CVE-2017-7494 en el servicio SMB).

```
C:\Program Files (x86)\Nmap>nmap -p445 --script smb-vuln-cve-2017-7494 192.168.0.15
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-26 01:17 Hora estßndar central (MÚxico)
Nmap scan report for 192.168.0.15
Host is up (0.00s latency).

PORT STATE SERVICE
445/tcp open microsoft-ds

Nmap done: 1 IP address (1 host up) scanned in 1.40 seconds
```

