CONTENIDO

Información del taller

Fecha:

- 18 de setiembre 2022

Objetivo:

- Mostrar el funcionamiento de herramientas que se podrían usar para comprender cómo prevenir y defender frente a un ciberataque.

Dirigido:

- Analistas de ciberseguridad, networking, sistemas.
- Responsables de Seguridad de la Información
- Estudiantes de Sistemas, Redes, Ciberseguridad.

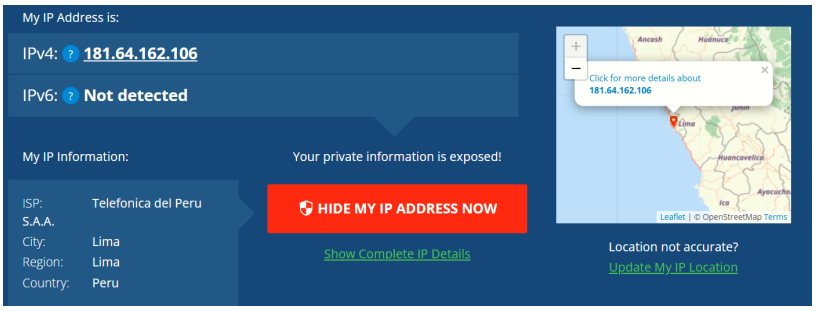
Requerimientos:

- Máquina 1 y 2 : Física o virtual
- Máquina 1: gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor*
- Máquina 2: gigabyte (GB) RAM (32-bit) or 2 GB RAM (64-bit)
- 16 GB available hard disk space (32-bit) or 20 GB (64-bit)
- RAM: 4 GB como mínimo
- Máquina 1, Podría ser Kali Linux, https://www.kali.org/get-kali/#kali-virtual-machines
- Máquina 2, Podría ser tu host principal bajo Windows en cualquier versión.
- Acceso a Internet libre.
- Permisos de Administrador para la instalación de programas y utilidades.

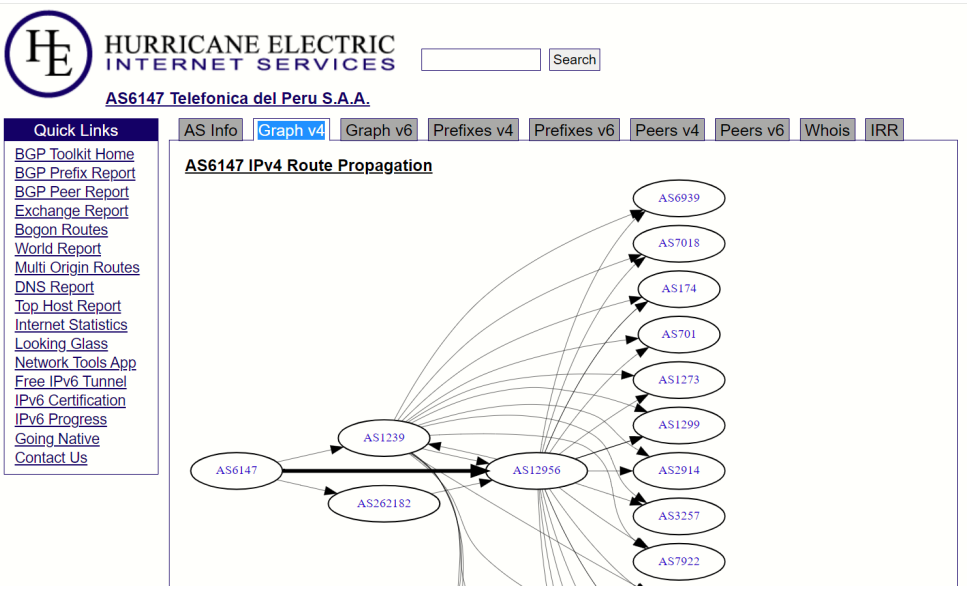
1.- Conocimiento local de la red:

Herramientas que permitan conocer la dirección IP pública, proveedor de Internet, AS Sistema Autónomo:

- Who is my ip address, Dirección IP, ISP, City.
  - https://whatismyipaddress.com/

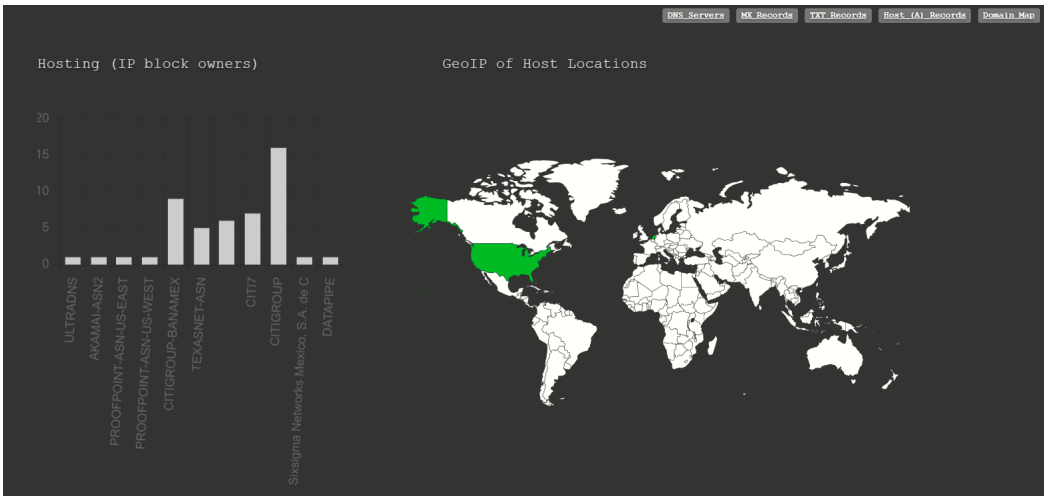


- Como salgo a Internet, sobre mi proveedor de Internet
  - https://bgp.he.net/
  - https://bgp.he.net/AS6147#_graph4



2.- Reconocimiento DNS:

- Reconocimiento DNS, búsqueda e identificación de registros DNS, MX, A:
- https://dnsdumpster.com/
- Ejemplo: tuempresa.com, banamex.com, cemex.com
- Geo IP of host locations



- DNS Server:

DNS Servers

ns1.cemex.com.	200.23.29.245	CEMEX Central, S.A. de C.V. Mexico
ns3.cemex.com.	65.246.74.146	UUNET United States
ns2.cemex.com.	200.23.29.246	CEMEX Central, S.A. de C.V. Mexico

DNS Servers

ns1.nsroot1.com.	156.154.64.172 pdns172.ultradns.com	ULTRADNS United States
ns2.nsroot2.com.	193.108.91.190 ns1-190.akam.net	AKAMAI-ASN2 Netherlands

MX Records ** This is where email for the domain goes...

5 mx-b.mail.citi.com.	67.231.153.94 mx-b.mail.citi.com	PROOFPOINT-ASN-US-EAST United States
5 mx-a.mail.citi.com.	67.231.145.106 mx-a.mail.citi.com	PROOFPOINT-ASN-US-WEST United States

- MX Records:

MX Records ** This is where email for the domain goes...

5 cemex-com.mail.protection.outlook.com.	104.47.73.138	MICROSOFT-CORP-MSN-AS-BLOCK
	mail-mw2nam080138.inbound.protection.outlook.com	United States

MX Records ** This is where email for the domain goes...

5 mx-b.mail.citi.com.	67.231.153.94	PROOFPOINT-ASN-US-EAST
	mx-b.mail.citi.com	United States
5 mx-a.mail.citi.com.	67.231.145.106	PROOFPOINT-ASN-US-WEST
	mx-a.mail.citi.com	United States

- TXT Records:

TXT Records ** Find more hosts in Sender Policy Framework (SPF) configurations

"h7r4108zgs01khq7d9d76rb9xtt8wyql"
"globalsign-domain-verification=9fb5cddbb28c5c5d61feb9768f9f81c4"
"Dynatrace-site-verification=1bdfa2c0-7ccc-42b3-b0a8-b46bbcc9132c__ndh4inn9nf551mjn7i7vkv709q"
"6e6d266675aa499d85eced6b44e8cc78"
"2qt1ihrsp6dfkl90cnbg5hm101"
"MS=ms96021265"
"smartsheet-site-validation=Mjd-2asVhDIeXnL56zwn14T2PGcuRY51"
"v=spf1 ip4:200.23.29.132 ip4:200.23.29.133 ip4:200.23.29.139 ip4:200.23.29.188 ip4:200.23.29.189 ip4:200.23.29.190 ip4:189.205.121.190 ip4:12.129.117.140 ip4:12.129.117.141 ip4:12.129.117.143 include:spf.protection.outlook.com -all"
"3v11plosalv5hbk22non2esb5j"
"5mkpc5d8kqtnpbpxws9y287s3wwvlrzn"
"status-page-domain-verification=vcfdwqx4g443"
"_globalsign-domain-verification=G2PlFZvKwHaWYhihDKEBZ1CrjgKUOJTvpjeM1149h5"

TXT Records ** Find more hosts in Sender Policy Framework (SPF) configurations

"MS=ms91144615"
"MS=C18C7B831E36CCE04AE8E63A5CDE7197BD34D267"
"v=spf1 a:1._spf.citigroup.com a:2._spf.citigroup.com a:mailir.citi.com include:spf-00123c01.pphosted.com include:spf.mittum.com redirect=ext1._spf.citigroup.com"

- A, Host Records:

ermlogin.cemex.com HTTP: Microsoft-HTTPAPI/2.0 HTTPS: Microsoft-HTTPAPI/2.0	52.237.251.10	MICROSOFT-CORP-MSN-AS-BLOCK United States
mx2.cemex.com	200.23.29.115 mx1.cemex.com	CEMEX Central, S.A. de C.V. Mexico
b2bcpo.cemex.com HTTP: server: SAP NetWeaver Application Server 7.53 / AS Java 7.50 HTTPS: server: SAP NetWeaver Application Server 7.53 / AS Java 7.50	189.205.121.182 bb-mvs-189-205-121-182.mexdf.static.axtel.net	CEMEX Central, S.A. de C.V. Mexico
mycemexqa2.cemex.com HTTP: BigIP HTTPS: Apache/2.4.25 (Win64) OpenSSL/1.0.2k HTTPS TECH: Apache,2.4.25	189.205.121.187 bb-mvs-189-205-121-187.mexdf.static.axtel.net	CEMEX Central, S.A. de C.V. Mexico
meet.vc.cemex.com HTTP: Microsoft-IIS/10.0 HTTPS: Microsoft-IIS/10.0 HTTP TECH: IIS,10.0 HTTPS TECH: IIS,10.0	57.77.35.33	ORANGE-BUSINESS-SERVICES-IPSN-ASN Ireland
s360qa.cemex.com HTTP: Microsoft-IIS/8.5 HTTP TECH: IIS,8.5	189.205.121.171 bb-mvs-189-205-121-171.mexdf.static.axtel.net	CEMEX Central, S.A. de C.V. Mexico

Host Records (A) ** this data may not be current as it uses a static database (updated monthly)

banamex.com	192.193.206.22 citibanamex.com	CITIGROUP-BANAMEX United States
sndr001.banamex.com	207.207.2.250	TEXASNET-ASN United States
nmxjar-edns01.banamex.com	192.193.204.74 nmxjar-edns01.banamex.com	CITIGROUP-BANAMEX United States
nmxmty-edns01.banamex.com	192.193.207.41 nmxmty-edns01.banamex.com	United States
mailcpx01.banamex.com	192.193.206.152 mailcpx01.banamex.com	CITIGROUP-BANAMEX United States
ns1.banamex.com	192.193.204.42 ns1.banamex.com	CITIGROUP-BANAMEX United States
dev.banamexsoaproxy1.banamex.com	200.52.96.43	CITI7 Mexico
sandbox.banamexsoaproxy1.banamex.com	192.193.104.97	CITIGROUP United States
mailcpx02.banamex.com	192.193.206.154 mailcpx02.banamex.com	CITIGROUP-BANAMEX United States

3.- Conocer tu sistema operativo y el dominio:

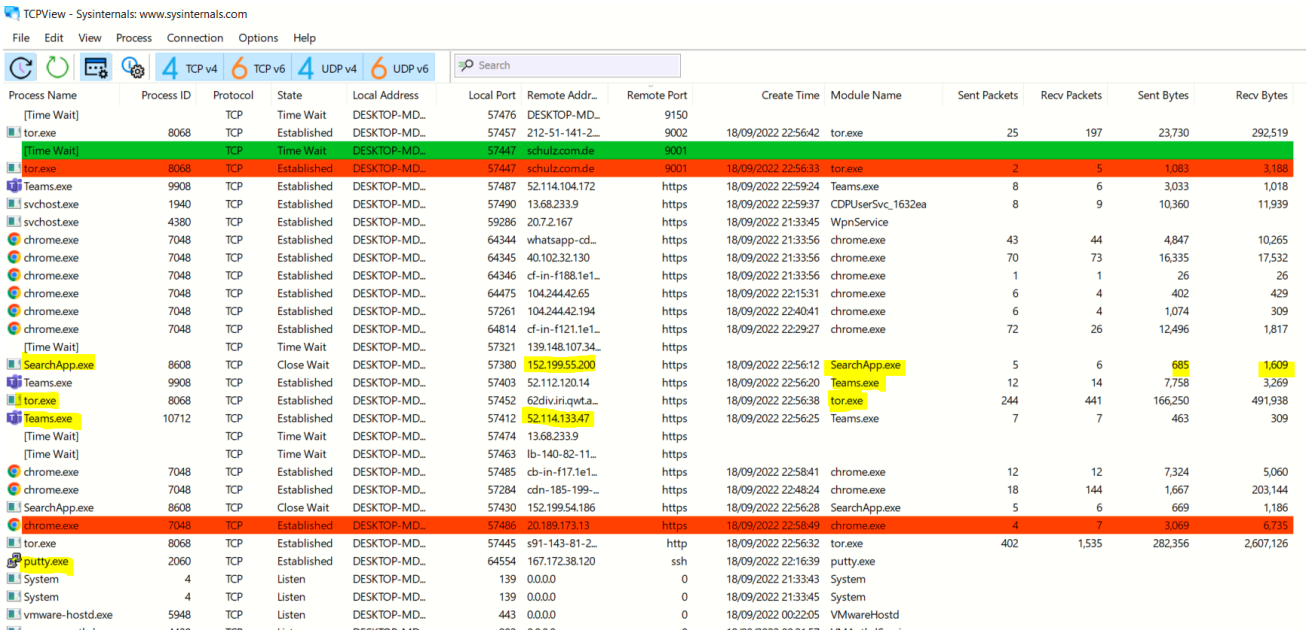
- Se necesita conocer las aplicaciones, procesos, conexiones de red para validar comportamientos correctos o maliciosos.
- Versión:
  - #winver
  - #systeminfo:

```
C:\Users\USUARIO>systeminfo

Nombre de host:                            DESKTOP-M[redacted]
Nombre del sistema operativo:              Microsoft Windows 10 Home Single Language
Versión del sistema operativo:             10.0.19044 N/D Compilación 19044
Fabricante del sistema operativo:          Microsoft Corporation
Configuración del sistema operativo:       Estación de trabajo independiente
Tipo de compilación del sistema operativo: Multiprocessor Free
Propiedad de:                              USUARIO
Organización registrada:
Id. del producto:                          00327-60000-00000-AA666
Fecha de instalación original:             24/04/2021, 11:16:42
Tiempo de arranque del sistema:            18/09/2022, 00:21:43
Fabricante del sistema:                    HP
Modelo el sistema:                         OMEN by HP Laptop
Tipo de sistema:                           x64-based PC
Procesador(es):                            1 Procesadores instalados.
                                           [01]: Intel64 Family 6 Model 158 Stepping 9 GenuineIntel ~2496 Mhz
Versión del BIOS:                          Insyde F.35, 23/01/2017
Directorio de Windows:                     C:\Windows
Directorio de sistema:                     C:\Windows\system32
Dispositivo de arranque:                   \Device\HarddiskVolume1
Configuración regional del sistema:        es-mx;Español (México)
Idioma de entrada:                         es-mx;Español (México)
Zona horaria:                              (UTC-05:00) Bogotá, Lima, Quito, Rio Branco
Cantidad total de memoria física:          16,236 MB
Memoria física disponible:                 7,513 MB
Memoria virtual: tamaño máximo:            18,668 MB
Memoria virtual: disponible:               5,713 MB
Memoria virtual: en uso:                   12,955 MB
Ubicación(es) de archivo de paginación:    C:\pagefile.sys
Dominio:                                   WORKGROUP
Servidor de inicio de sesión:              \\DESKTOP-M[redacted]
Revisión(es):                              19 revisión(es) instaladas.
                                           [01]: KB5017022
                                           [02]: KB4562830
                                           [03]: KB4570334
                                           [04]: KB4577586
                                           [05]: KB4580325
                                           [06]: KB4586864
```

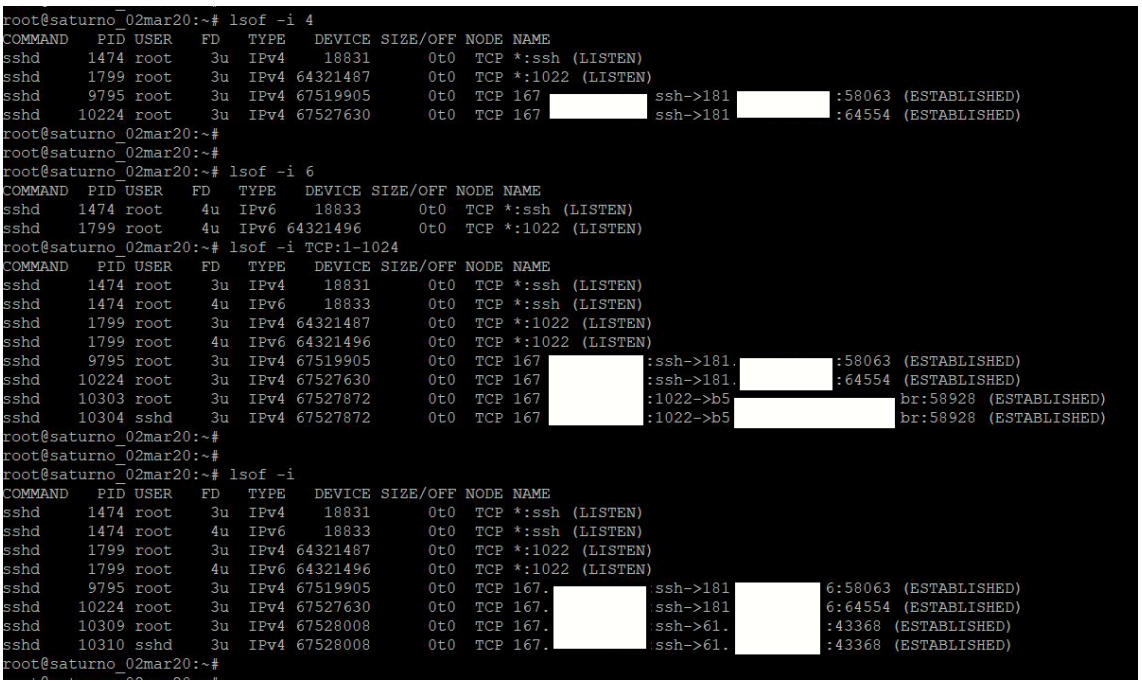
FIGURA 12

- Windows:
  - TCPView, Sysinternals.
  - Proceso, ID, local address, local port, remote address, remote port, etc
  - https://learn.microsoft.com/en-us/sysinternals/downloads/tcpview



Process Name	Process ID	Protocol	State	Local Address	Local Port	Remote Addr...	Remote Port	Create Time	Module Name	Sent Packets	Recv Packets	Sent Bytes	Recv Bytes
[Time Wait]		TCP	Time Wait	DESKTOP-MD...	57476	DESKTOP-MD...	9150						
tor.exe	8068	TCP	Established	DESKTOP-MD...	57457	212-51-141-2...	9002	18/09/2022 22:56:42	tor.exe	25	197	23,730	292,519
[Time Wait]		TCP	Time Wait	DESKTOP-MD...	57447	schulz.com.de	9001						
tor.exe	8068	TCP	Established	DESKTOP-MD...	57447	schulz.com.de	9001	18/09/2022 22:56:33	tor.exe	2	5	1,083	3,188
Teams.exe	9908	TCP	Established	DESKTOP-MD...	57487	52.114.104.172	https	18/09/2022 22:59:24	Teams.exe	8	6	3,033	1,018
svchost.exe	1940	TCP	Established	DESKTOP-MD...	57490	13.68.233.9	https	18/09/2022 22:59:37	CDPUserSvc_1632ea	8	9	10,360	11,939
svchost.exe	4380	TCP	Established	DESKTOP-MD...	59286	20.7.2.167	https	18/09/2022 21:33:45	WpnService				
chrome.exe	7048	TCP	Established	DESKTOP-MD...	64344	whatsapp-cd...	https	18/09/2022 21:33:56	chrome.exe	43	44	4,847	10,265
chrome.exe	7048	TCP	Established	DESKTOP-MD...	64345	40.102.32.130	https	18/09/2022 21:33:56	chrome.exe	70	73	16,335	17,532
chrome.exe	7048	TCP	Established	DESKTOP-MD...	64346	cf-in-f188.1e1...	https	18/09/2022 21:33:56	chrome.exe	1	1	26	26
chrome.exe	7048	TCP	Established	DESKTOP-MD...	64475	104.244.42.65	https	18/09/2022 22:15:31	chrome.exe	6	4	402	429
chrome.exe	7048	TCP	Established	DESKTOP-MD...	57261	104.244.42.194	https	18/09/2022 22:40:41	chrome.exe	6	4	1,074	309
chrome.exe	7048	TCP	Established	DESKTOP-MD...	64814	cf-in-f121.1e1...	https	18/09/2022 22:29:27	chrome.exe	72	26	12,496	1,817
[Time Wait]		TCP	Time Wait	DESKTOP-MD...	57321	139.148.107.34...	https						
SearchApp.exe	8608	TCP	Close Wait	DESKTOP-MD...	57380	152.199.55.200	https	18/09/2022 22:56:12	SearchApp.exe	5	6	685	1,609
Teams.exe	9908	TCP	Established	DESKTOP-MD...	57403	52.112.120.14	https	18/09/2022 22:56:20	Teams.exe	12	14	7,758	3,269
tor.exe	8068	TCP	Established	DESKTOP-MD...	57452	62div.iri.qwt.a...	https	18/09/2022 22:56:38	tor.exe	244	441	166,250	491,938
Teams.exe	10712	TCP	Established	DESKTOP-MD...	57412	52.114.133.47	https	18/09/2022 22:56:25	Teams.exe	7	7	463	309
[Time Wait]		TCP	Time Wait	DESKTOP-MD...	57474	13.68.233.9	https						
[Time Wait]		TCP	Time Wait	DESKTOP-MD...	57463	lb-140-82-11...	https						
chrome.exe	7048	TCP	Established	DESKTOP-MD...	57485	cb-in-f17.1e1...	https	18/09/2022 22:58:41	chrome.exe	12	12	7,324	5,060
chrome.exe	7048	TCP	Established	DESKTOP-MD...	57284	cdn-185-199-...	https	18/09/2022 22:48:24	chrome.exe	18	144	1,667	203,144
SearchApp.exe	8608	TCP	Close Wait	DESKTOP-MD...	57430	152.199.54.186	https	18/09/2022 22:56:28	SearchApp.exe	5	6	669	1,186
chrome.exe	7048	TCP	Established	DESKTOP-MD...	57486	20.189.173.13	https	18/09/2022 22:58:49	chrome.exe	4	7	3,069	6,735
tor.exe	8068	TCP	Established	DESKTOP-MD...	57445	s91-143-81-2...	http	18/09/2022 22:56:32	tor.exe	402	1,535	282,356	2,607,126
putty.exe	2060	TCP	Established	DESKTOP-MD...	64554	167.172.38.120	ssh	18/09/2022 22:16:39	putty.exe				
System	4	TCP	Listen	DESKTOP-MD...	139	0.0.0.0	0	18/09/2022 21:33:43	System				
System	4	TCP	Listen	DESKTOP-MD...	139	0.0.0.0	0	18/09/2022 21:33:45	System				
vmware-hostd.exe	5948	TCP	Listen	DESKTOP-MD...	443	0.0.0.0	0	18/09/2022 00:22:05	VMwareHostd				

- Linux:
  - #lsof -i TCP:22, buscar procesos en un específico puerto
  - #lsof -i, lista todas las conexiones de red
  - #lsof -i 4/6, lista archivos abierto de red IPv4/6
  - #lsof -i TCP:1-1024, lista todos los procesos de archivos abiertos de puertos TCP en los rangos 1-1024.
  - #lsof /dev/hd4, busca todos los archivos abierto en el device /dev/dh4
  - #lsof /u/abe/foo, busca el proceso que tiene /u/abe/foo abierto



- Para conocer tu dominio utilizaremos los siguientes comandos propios de Windows:
    - c:\> net group “domains computers” /domain
    - c:\> net group “domains controllers”
    - c:\> net group “domains controllers” /domain
        - DC0100 DC0240

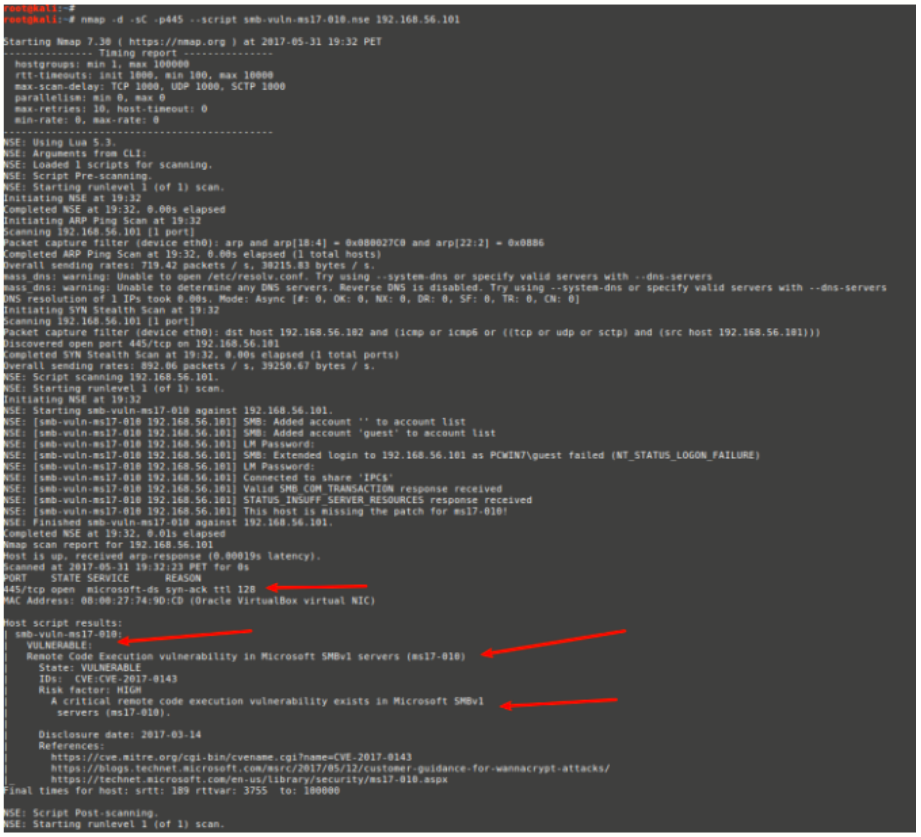
4.- Port Scanning

- Usaremos nmap para Windows o Linux
- https://nmap.org/
- Opciones:
  - nmap -sT -Pn -O [#VÍCTIMA]; nmap -sT -Pn -p- [#VÍCTIMA]
  - nmap -sS -Pn -p 21,22,23,80,443,1433,3389 [#VÍCTIMA]
  - nmap -iL [LIST.TXT]; #VÍCTIMA, IP, IPs, Rango/Máscara.
- Tipos de Scanning:
  - TCP SYN Scan, -sS; TCP Connect Scan, -sT; Fin Scan, -sF
  - XMAS Scan, -sX; Null Scan, -sN
  - Versión Detection, -sV; UDP Scan, -sU
  - List Scan, -sL; Operating System Detection, -O
- Ejemplos:
- Scanning, host discovery
  - #nmap -n -sn [#VÍCTIMA]
  - #nmap -p -Pn -sV 21,22,23,53,80,443,1433,3389 [#VÍCTIMA]
- Scanning, detección de sistema operativo:
  - #nmap -O –osscan-limit [#VÍCTIMA]
  - #nmap -O -p -Pn -sV 21,22,23,53,80,443,1433,3389 [#VÍCTIMA]
  - #nmap -sT -sV -P0 -O IP

```
Nmap scan report for 19[redacted]
Host is up (0.18s latency).
Not shown: 992 filtered tcp ports (no-response)
PORT     STATE  SERVICE    VERSION
21/tcp   open   ftp        vsftpd 2.0.8 or later
22/tcp   open   ssh        OpenSSH 5.3 (protocol 2.0)
113/tcp  closed ident
179/tcp  open   tcpwrapped
443/tcp  open   ssl/http   Apache httpd 2.2.15 ((CentOS))
3306/tcp closed mysql
5432/tcp open   postgresql PostgreSQL DB
8080/tcp open   http       Apache Tomcat/Coyote JSP engine 1.1
1 service unrecognized despite returning data. If you know the service/version, please submit the following
SF-Port5432-TCP:V=7.92SVN%I=7%D=8/25%Time=63077DC5%P=i686-pc-linux-gnu%r(S
SF:MBProgNeg,85,"E\0\0\0\x84SFATAL\0C0A000\0Munsupported\x20frontend\x20pr
SF:otocol\x2065363\.19778:\x20server\x20supports\x201\.0\x20to\x203\.0\0Fp
SF:ostmaster\.c\0L1624\0RProcessStartupPacket\0\0");
Device type: general purpose
Running: Linux 2.6.X|3.X
OS CPE: cpe:/o:linux:linux_kernel:2.6.32 cpe:/o:linux:linux_kernel:3.10
OS details: Linux 2.6.32, Linux 2.6.32 or 3.10
Service Info: Host: E[redacted]
```

5.- Identificación y validación de vulnerabilidades:

- Mapear vulnerabilidades en tu organización:
  - Cybersecurity & Infrastructure Security Agency
  - Known Exploited Vulnerabilities Catalog
  - Fuente: https://www.cisa.gov/known-exploited-vulnerabilities-catalog
- Validar vulnerabilidad
  - SMBv1
  - Usaremos nmap, https://nmap.org/
  - Vulnerabilidad: SMB MS 017-010
  - Desde un Kali linux:
    - #cd /usr/share/nmap/scripts
    - #wget https://raw.githubusercontent.com/cldrn/nmap-nse-scripts/master/scripts/smb-vuln-ms17-010.nse
    - #nmap -d -sC -p445 –script smb-vuln-ms17-010.nse IP
    - Fuente: https://jroliva.net/2017/06/01/explotando-vulnerabilidad-wannacry-o-ms17-010/
    -



- Referencia, validar vulnerabilidad:
  - CVE-2019-0708

  - https://msrc.microsoft.com/update-guide/en-US/vulnerability/CVE-2019-0708
  - Usaremos: rdpscan for CVE-2019-0708 bluekeep vuln
  - https://github.com/robertdavidgraham/rdpscan
  -

- Referencia, validar vulnerabilidad:
  - CVE-2018-13379
  - Usaremos nmap, https://nmap.org/
  - https://github.com/purplesecmx/nmapscripts/blob/master/CVE-2018-13379.nse
  - Validar: /usr/share/nmap/scripts
  - #wget https://github.com/purplesecmx/nmapscripts/blob/master/CVE-2018-13379.nse -P /usr/share/nmap/scripts

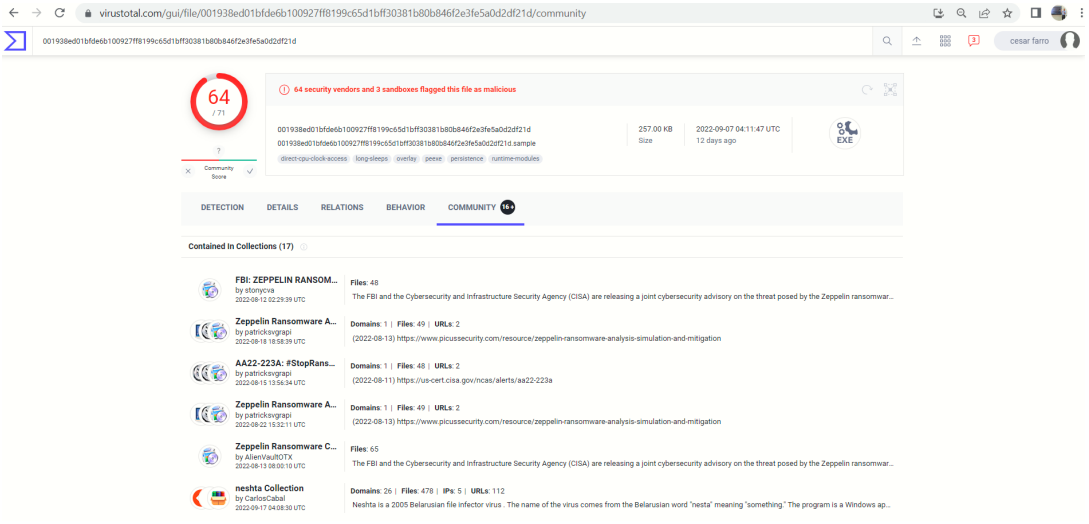
  -

6.- Gestión de IOCs (Indicators of Compromise):

- Existe la necesidad de importar IOCs de los últimos ciberataques.
- Referencia 1: Ransomware Zeppeling
  - Fecha: Original release date: August 11, 2022
  - Zeppelin actors gain access to victim networks via RDP exploitation [T1133], exploiting SonicWall firewall vulnerabilities [T1190], and phishing campaigns [T1566].
  - https://www.cisa.gov/uscert/ncas/alerts/aa22-223a
  - IOCs:

MD5	SHA1	SHA256
981526650af8d6f8f20177a26abb513a	4fee2cb5c98abbe556e9c7ccfebe9df4f8cde53f	001938ed01bfde6b100927ff8199c65d1bff30381b80b846f2e3fe5a0d2df21d
c25d45e9bbfea29cb6d9ee0d9bf2864d	eaeff8d315cca71e997063a2baec5cc73fad9453	a42185d506e08160cb96c81801fbe173fb071f4a2f284830580541e057f4423b
183b6b0c90c1e0276a2015752344a4cf	1cb5e8132302b420af9b1e5f333c507d8b2a2441	aa7e2d63fc991990958dfb795a0aed254149f185f403231eaebe35147f4b5ebe
9349e1cc3de7c7f6893a21bd6c3c4a6b	db398e38ee6221df7e4aa49d8f96799cca4d87e1	a2a9385cbbcfacc2d541f5bd92c38b0376b15002901b2fd1cc62859e161a8037
c8f75487d0d496a3746e6c81a5ecc6dc	4b91a91a98a2f0128c80f8ceeef0f5d293adf0cd	54d567812eca7fc5f2ff566e7fb8a93618b6d2357ce71776238e0b94d55172b1
477eedb422041385e59a4fff72cb97c1	9892cc90e6712d3548e45f34f14f362bccedf0be	fb59f163a2372d09cd0fc75341d3972fdd3087d2d507961303656b1d791b17c6
5841ef35aaff08bb03d25e5afe3856a2	ffd228b0d7afe7cab4e9734f7093e7ba01c5a06e	1e3c5a0aa079f8dfcc49cdca82891ab78d016a919d9810120b79c5deb332f388
d6c4b253ab1d169cf312fec12cc9a28f	0f47c279fea1423c7a0e7bc967d9ff3fae7a0de8	347f14497df4df73bc414f4e852c5490b12db991a4b3811712bac7476a3f1bc9

  - Herramientas, validar IOCs:
    - Virus Total, https://www.virustotal.com/gui/home/upload
    - Alient Vault, https://otx.alienvault.com/
    - AbuseIPDB - IP Address Blacklist,https://abuseipdb.com
    - Ejemplo:
      - SHA256: 001938ed01bfde6b100927ff8199c65d1bff30381b80b846f2e3fe5a0d2df21d



- Referencia 2: Ransomware Voice Society
  - Fecha: Original release date: September 06, 2022 | Last revised: September 08, 2022
  - Over the past several years, the education sector, especially kindergarten through twelfth grade (K-12) institutions, have been a frequent target of ransomware attacks.
  - Vice Society actors have been observed exploiting the PrintNightmare vulnerability (CVE-2021-1675 and CVE-2021-34527) to escalate privileges [T1068].
  - https://www.cisa.gov/uscert/ncas/alerts/aa22-249a
- IOCs:

Indicators of Compromise (IOCs)

Email Addresses
v-society.official@onionmail[.]org
ViceSociety@onionmail[.]org
OnionMail email accounts in the format of [First Name][Last Name]@onionmail[.]org

IP Addresses for C2	Confidence Level
5.255.99[.]59	High Confidence
5.161.136[.]176	Medium Confidence
198.252.98[.]184	Medium Confidence
194.34.246[.]90	Low Confidence

See Table 1 for file hashes obtained from FBI incident response investigations in September 2022.

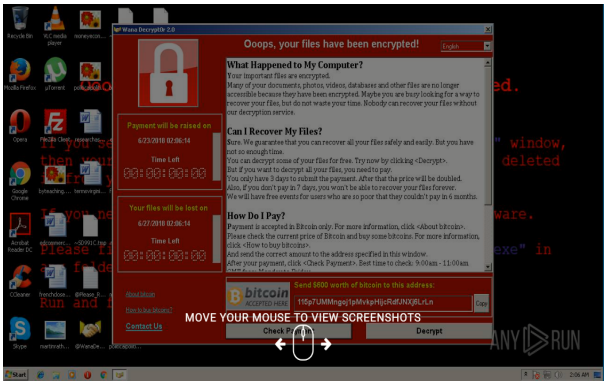
Table 1: File Hashes as of September 2022

MD5	SHA1
fb91e471cfa246beb9618e1689f1ae1d	a0ee0761602470e24bcea5f403e8d1e8bfa29832
	3122ea585623531df2e860e7d0df0f25cce39b21
	41dc0ba220f30c70aea019de214eccd650bc6f37
	c9c2b6a5b930392b98f132f5395d54947391cb79

- Herramientas, validar IOCs:
  - Virus Total, https://www.virustotal.com/gui/home/upload
  - Aliente Vault, https://otx.alienvault.com/
  - AbuseIPDB - IP Address Blacklist,https://abuseipdb.com

7.- Análisis de malware estático:

- Existe la necesidad de una vez obtenido el malware analizar y comprender cuales son sus objetivos una vez comprometida la víctima, si es un ransomware, troyano, keylogger, etc.
- Para ello, existen dos tipos de análisis de malware estático y dinámico.
- Para realizar análisis estático, vamos a usar un sandboxing en la nube:
- Anyrun, fuente: https://any.run/
- Analizar WannaCry
- SHA256: ed01ebfbc9eb5bbea545af4d01bf5f1071661840480439c6e5babe8e080e41aa
- MD5: 84C82835A5D21BBCF75A61706D8AB549
- SHA1: 5FF465AFAABCBF0150D1A3AB2C2E74F3A4426467
- Identificar:
  - Procesos
  - IOC
  - HTTP Request
  - Connections
  - DNS Request
  - Threats



Process information

PID	CMD	Path	Indicators	Parent process
2984	"C:\Windows\System32\cmd.exe" /c vssadmin delete shadows /all /quiet & wmic shadowcopy delete & bcdedit /set {default} bootstatuspolicy ignoreallfailures & bcdedit /set {default} recoveryenabled no & wbadmin delete catalog -quiet	C:\Windows\System32\cmd.exe		@WanaDecryptor@.exe
2824	vssadmin delete shadows /all /quiet	C:\Windows\system32\vssadmin.exe	–	cmd.exe
2036	C:\Windows\system32\vssvc.exe	C:\Windows\system32\vssvc.exe	–	services.exe
3000	wmic shadowcopy delete	C:\Windows\System32\Wbem\WMIC.exe	–	cmd.exe

Information

User:	admin	Company:	Microsoft Corporation
Integrity Level:	HIGH	Description:	Windows Command Processor
Exit code:	0	Version:	6.1.7601.17514 (win7sp1_rtm.101119-1850)

Information

User:	admin	Company:	Microsoft Corporation
Integrity Level:	HIGH	Description:	Command Line Interface for Microsoft® Volume Shadow Copy Service
Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)

Information

User:	SYSTEM	Company:	Microsoft Corporation
Integrity Level:	SYSTEM	Description:	Microsoft® Volume Shadow Copy Service
Version:	6.1.7600.16385 (win7_rtm.090713-1255)		