NAME [IP]

Relevant by TryHackMe

nano /etc/hosts \$MachineIP\$ relevant.thm

HOST

OS: Windows Server 2016 Standard Evaluation 14393 (Windows Server 2016 Standard Evaluation 6.3)

ENUM

PORT STATE SERVICE REASON VERSION

80/tcp open http syn-ack Microsoft IIS httpd 10.0

135/tcp open msrpc syn-ack Microsoft Windows RPC

139/tcp open netbios-ssn syn-ack Microsoft Windows netbios-ssn

445/tcp open microsoft-ds syn-ack Windows Server 2016 Standard Evaluation 14393 microsoft-ds

3389/tcp open ms-wbt-server syn-ack Microsoft Terminal Services

VULN

tcp/445/nmap-smb - Nmap script found a potential vulnerability. (State: VULNERABLE)

Possible Post: exploit/windows/local/cve_2017_8464_lnk_lpe

SERVICE ENUM

TCP

[NMAP OVERVIEW]

Nmap 7.91 scan initiated Tue Mar 23 23:17:04 2021 as: nmap -vv --reason -Pn -sV -sC --version-all -oN /home/user/Desktop/results/-10.10.124.236/scans/_quick_tcp_nmap.txt -oX /home/user/Desktop/results/10.10.124.236/scans/xml/_quick_tcp_nmap.xml 10.10.124.236

Nmap scan report for 10.10.124.236

Host is up, received user-set (0.18s latency). Scanned at 2021-03-23 23:17:04 GMT for 85s

Not shown: 995 filtered ports Reason: 995 no-responses

PORT STATE SERVICE REASON VERSION 80/tcp open http syn-ack Microsoft IIS httpd 10.0

I http-methods:

I Supported Methods: OPTIONS TRACE GET HEAD POST

I_ Potentially risky methods: TRACE
I_http-server-header: Microsoft-IIS/10.0

I_http-title: IIS Windows Server

135/tcp open msrpc syn-ack Microsoft Windows RPC 139/tcp open netbios-ssn syn-ack Microsoft Windows netbios-ssn

445/tcp open microsoft-ds syn-ack Windows Server 2016 Standard Evaluation 14393 microsoft-ds

3389/tcp open ms-wbt-server syn-ack Microsoft Terminal Services

I rdp-ntlm-info:

I Target_Name: RELEVANT

I NetBIOS_Domain_Name: RELEVANT

```
I NetBIOS_Computer_Name: RELEVANT
I DNS_Domain_Name: Relevant
I DNS_Computer_Name: Relevant
I Product_Version: 10.0.14393
I_ System_Time: 2021-03-23T23:17:49+00:00
I ssl-cert: Subject: commonName=Relevant
I Issuer: commonName=Relevant
```

I Public Key bits: 2048
I Signature Algorithm: sha256WithRSAEncryption

I Not valid before: 2021-03-22T23:05:09 I Not valid after: 2021-09-21T23:05:09

I MD5: 29bb f252 f8d1 666a c46c 6821 d0ef 0263

I SHA-1: b428 357e 13a7 a71b e2ca 3db3 5086 3dcc a287 83a4

I -----BEGIN CERTIFICATE-----

I Public Key type: rsa

I MIIC1DCCAbygAwlBAgIQGjaCJocCeptHTv+SyXn2QjANBgkqhkiG9w0BAQsFADAT
I MREwDwYDVQQDEwhSZWxldmFudDAeFw0yMTAzMjIyMzA1MDlaFw0yMTA5MjEyMzA1
I MDlaMBMxETAPBgNVBAMTCFJlbGV2YW50MIIBIJANBgkqhkiG9w0BAQEFAAOCAQ8A
I MIIBCgKCAQEAtAL+hyuRioSIv217KRbjifZ4a5ESpGxXJVJ/1A2NpNz6yqH5v+zW
I ZV/1WHP7Nf0+0t3z3MDBsVOdzgLKGWcFDMlLwaHXcFV9a26JpW2+i2CaDwigqS5C
I eoro0yLJnknHgxIMz/FgaE3YsgV9xeoQlr0AfDZARdloSyqofRD8GY38VQqxKtQj
I hdonDO2qyrTAcKK0uV78H8AEkDKc/x4YCImUkgHJrBAKyH4weKOWyqII7tDS+4GA

I 3LoD715fuk2DCiifY/At6muKUy+agZZVsUeoyF7TMjZ4l80K2dDnr66algvHk3Wj

I DJTIPLoXvgckIn0LmM4G5FgFEOF11arOIQIDAQABoyQwIjATBgNVHSUEDDAKBggr I BgEFBQcDATALBgNVHQ8EBAMCBDAwDQYJKoZIhvcNAQELBQADggEBAHTUFX0OdIxI

I 6QCAbCkKkLqj7UzM3DCT5FTkgDvJhfO3SMrEZrd+LXmfguojyRS+R9i4/6Cr+iB+
I 7Cdq7I1bRIUkgtG9DX/zVM7vXaBCQ7skhzkCnPbTsii6ZkAVcN3XtBNgNiKHmHjZ

I bRGybTbyazUK17lat/EEEVgSH9vFGs9DihiUgYeBbQIiQ3unzQWJEIUceFKYBiKe I PpFEFNQWpXgCReNqY5rZCWWpHmWNz8wgrq634vAZFFkZkuyHf6IB28EU2BX/QdBZ

I yAzSdYdX8E8psHjanpHlCzBTXukz00O6MOuwbel3s31T3HUTQIJt3+uNCBZ13DEH

I KV2DuGG5Ivg=

I -----END CERTIFICATE-----

l_ssl-date: 2021-03-23T23:18:28+00:00; 0s from scanner time.

Service Info: OSs: Windows, Windows Server 2008 R2 - 2012; CPE: cpe:/o:microsoft:windows

Host script results:

I_clock-skew: mean: 1h24m00s, deviation: 3h07m50s, median: 0s

I p2p-conficker:

I Checking for Conficker.C or higher...

Check 1 (port 31361/tcp): CLEAN (Timeout)
Check 2 (port 24639/tcp): CLEAN (Timeout)
Check 3 (port 47514/udp): CLEAN (Timeout)
Check 4 (port 36235/udp): CLEAN (Timeout)

I_ 0/4 checks are positive: Host is CLEAN or ports are blocked

I smb-os-discovery:

I OS: Windows Server 2016 Standard Evaluation 14393 (Windows Server 2016 Standard Evaluation 6.3)

I Computer name: Relevant

I NetBIOS computer name: RELEVANT\x00

I Workgroup: WORKGROUP\x00

I_ System time: 2021-03-23T16:17:49-07:00

I smb-security-mode:
I account_used: guest
I authentication_level: user
I challenge_response: supported

I_ message_signing: disabled (dangerous, but default)

I smb2-security-mode:

1 2.02:

Message signing enabled but not required

I smb2-time:

I date: 2021-03-23T23:17:51 I_ start_date: 2021-03-23T23:05:10

Read data files from: /usr/bin/../share/nmap

Service detection performed. Please report any incorrect results at https://nmap.org/submit/.

HTTP (80)

Nothing of too much intrest it seems for right now its gonna be a microsoft server side thing

ENUM

This enum is useful because the box seems to hide a secondary webserver at a higher port so that our basic scans don't find it which is unfortunate since using RUSTSCAN, Threader3000, or nmap with the ratelimit modified you can scan all 65k ports in under a minute on average with a VM

nikto

SCAN OUTPUT

- Nikto v2.1.6

+ Target IP: 10.10.124.236 + Target Hostname: 10.10.124.236

+ Target Port: 80

+ Start Time: 2021-03-23 23:18:30 (GMT0)

+ Server: Microsoft-IIS/10.0

+ Retrieved x-powered-by header: ASP.NET

- + The anti-clickjacking X-Frame-Options header is not present.
- + The X-XSS-Protection header is not defined. This header can hint to the user agent to protect against some forms of XSS
- + The X-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the MIME type
- + Retrieved x-aspnet-version header: 4.0.30319
- + No CGI Directories found (use '-C all' to force check all possible dirs)
- + Allowed HTTP Methods: OPTIONS, TRACE, GET, HEAD, POST
- + Public HTTP Methods: OPTIONS, TRACE, GET, HEAD, POST
- + ERROR: Error limit (20) reached for host, giving up. Last error: opening stream: can't connect (timeout): Operation now in progress
- + Scan terminated: 19 error(s) and 7 item(s) reported on remote host
- + End Time: 2021-03-23 23:31:52 (GMT0) (802 seconds)

+ 1 host(s) tested

nmap

SCAN OUTPUT

Nmap 7.91 scan initiated Tue Mar 23 23:18:29 2021 as: nmap -vv --reason -Pn -sV -p 80 "--script=banner,(http* or ssl*) and not (brute or broadcast or dos or external or http-slowloris* or fuzzer)" -oN /home/user/Desktop/results/10.10.124.236/scans/-tcp_80_http_nmap.txt -oX /home/user/Desktop/results/10.10.124.236/scans/xml/tcp_80_http_nmap.xml 10.10.124.236 Nmap scan report for 10.10.124.236

Host is up, received user-set (0.43s latency). Scanned at 2021-03-23 23:18:30 GMT for 188s

PORT STATE SERVICE REASON VERSION

80/tcp open http syn-ack Microsoft IIS httpd 10.0

Lhttp-chrono: Request times for /; avg: 16039.76ms; min: 16026.29ms; max: 16049.03ms

I http-comments-displayer:

I Spidering limited to: maxdepth=3; maxpagecount=20; withinhost=10.10.124.236

Path: http://10.10.124.236:80/

Line number: 7 Comment:

3/11

```
I_http-csrf: Couldn't find any CSRF vulnerabilities.
I_http-date: Tue, 23 Mar 2021 23:18:38 GMT; +59m59s from local time.
I_http-devframework: ASP.NET detected. Found related header.
I_http-dombased-xss: Couldn't find any DOM based XSS.
I_http-errors: Couldn't find any error pages.
I_http-feed: Couldn't find any feeds.
I_http-fetch: Please enter the complete path of the directory to save data in.
I http-headers:
  Content-Length: 703
  Content-Type: text/html
  Last-Modified: Sat, 25 Jul 2020 15:05:21 GMT
  Accept-Ranges: bytes
I ETag: "2db43349562d61:0"
  Server: Microsoft-IIS/10.0
  X-Powered-By: ASP.NET
  Date: Tue, 23 Mar 2021 23:18:43 GMT
  Connection: close
I_ (Request type: HEAD)
I_http-jsonp-detection: Couldn't find any JSONP endpoints.
I_http-litespeed-sourcecode-download: Request with null byte did not work. This web server might not be vulnerable
I_http-malware-host: Host appears to be clean
I http-methods:
I Supported Methods: OPTIONS TRACE GET HEAD POST
I_ Potentially risky methods: TRACE
I_http-mobileversion-checker: No mobile version detected.
I http-php-version: Logo query returned unknown hash 242c23ea412530c7d94b77a7a978c176
I_Credits query returned unknown hash 242c23ea412530c7d94b77a7a978c176
I_http-referer-checker: Couldn't find any cross-domain scripts.
l_http-security-headers:
I_http-server-header: Microsoft-IIS/10.0
I http-sitemap-generator:
I Directory structure:
     Other: 1
  Longest directory structure:
    Depth: 0
    Dir: /
I Total files found (by extension):
    Other: 1
I_http-stored-xss: Couldn't find any stored XSS vulnerabilities.
I_http-title: IIS Windows Server
I http-useragent-tester:
I Allowed User Agents:
    Mozilla/5.0 (compatible; Nmap Scripting Engine; <a href="https://nmap.org/book/nse.html">https://nmap.org/book/nse.html</a>)
    libwww
    lwp-trivial
    libcurl-agent/1.0
    PHP/
    Python-urllib/2.5
    GT::WWW
    Snoopy
    MFC_Tear_Sample
    HTTP::Lite
    PHPCrawl
    URI::Fetch
    Zend_Http_Client
    http client
   Change in Status Code:
    WWW-Mechanize/1.34: 200
    Wget/1.13.4 (linux-gnu): 200
    PECL::HTTP: 200
I http-vhosts:
I_128 names had status 200
I http-wordpress-users: [Error] Wordpress installation was not found. We couldn't find wp-login.php
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Read data files from: /usr/bin/../share/nmap
```

Service detection performed. Please report any incorrect results at https://nmap.org/submit/.

Threader3000

Threader 3000 - Multi-threaded Port Scanner Version 1.0.7 A project by The Mayor

Enter your target IP address or URL here: 10.10.222.206

Scanning target 10.10.222.206

Time started: 2021-03-25 03:36:46.777855

Port 49669 is open Port 49663 is open Port 49667 is open

Port scan completed in 0:01:42.281303

SERVER

Version: Microsoft-IIS/10.0

NOTES AND THEORIES

RABBIT HOLE

HTTP (49963)

Attack Vector 2

VULNS

VULN A

Name: File Upload and Execution due to exposed SMB share

Link: http://relevant.tm:49663/nt4wrksv/shell.aspx

What does it do: Allows for the uploading of malisous code to a web server that shows the smb directory hosted from the computers

directory

What does it require: A reverse shell and a connection to the smb server

Explain code:

Reverse Top connection that executes due to the visiting of file on the SMB share directory nt4wrksv that is exposed on the web server hosted on port 496634

SMB

NAME Relevant

VERSION OS: Windows Server 2016 Standard Evaluation 14393 (Windows Server 2016 Standard Evaluation 6.3)

What does this service do? Server Message Block is a network protocol that enables users to communicate with remote computers and servers

What is the most valuable asset this service has/has access to? SMB exploits have the option to directly go to root without privesc and also has the ability to spread like a worm (SMBGHOST)

What are its sensitive files?

PASSWORDS: Passwords.txt
USERS: Bob and Bill

Technologies used: smbclient

ENUM

smbclient

mbclient -L 10.10.107.193 Enter WORKGROUP\root's password:

Sharename Type Comment
------ADMIN\$ Disk Remote Admin
C\$ Disk Default share
IPC\$ IPC Remote IPC
nt4wrksv Disk
SMB1 disabled -- no workgroup available

smbclient\\\10.10.107.193\nt4wrksv

nmap

3389/tcp open ms-wbt-server syn-ack Microsoft Terminal Services I rdp-ntlm-info:

I Target Name: RELEVANT

I NetBIOS_Domain_Name: RELEVANTI NetBIOS_Computer_Name: RELEVANT

I DNS_Domain_Name: RelevantI DNS_Computer_Name: RelevantI Product Version: 10.0.14393

I_ System_Time: 2021-03-23T23:17:49+00:00
I ssl-cert: Subject: commonName=Relevant

I Issuer: commonName=Relevant

I Public Key type: rsa I Public Key bits: 2048

I Signature Algorithm: sha256WithRSAEncryption

I Not valid before: 2021-03-22T23:05:09
I Not valid after: 2021-09-21T23:05:09

I MD5: 29bb f252 f8d1 666a c46c 6821 d0ef 0263

I SHA-1: b428 357e 13a7 a71b e2ca 3db3 5086 3dcc a287 83a4

I -----BEGIN CERTIFICATE-----

I MIIC1DCCAbygAwlBAgIQGjaCJocCeptHTv+SyXn2QjANBgkqhkiG9w0BAQsFADAT I MREwDwYDVQQDEwhSZWxldmFudDAeFw0yMTAzMjIyMzA1MDlaFw0yMTA5MjEyMzA1 I MDlaMBMxETAPBgNVBAMTCFJlbGV2YW50MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8A I MIIBCgKCAQEAtAL+hyuRioSIv217KRbjifZ4a5ESpGxXJVJ/1A2NpNz6yqH5v+zW

I ZV/1WHP7Nf0+0t3z3MDBsVOdzgLKGWcFDMlLwaHXcFV9a26JpW2+i2CaDwigqS5C

I eoro0yLJnknHgxlMz/FgaE3YsgV9xeoQlr0AfDZARdloSyqofRD8GY38VQqxKtQj

I hdonDO2qyrTAcKK0uV78H8AEkDKc/x4YCImUkgHJrBAKyH4weKOWyqII7tDS+4GA

I 3LoD715fuk2DCiifY/At6muKUy+agZZVsUeoyF7TMjZ4l80K2dDnr66algvHk3Wj

I DJTIPLoXvgckln0LmM4G5FgFEOF11arOlQIDAQABoyQwljATBgNVHSUEDDAKBggr

I BgEFBQcDATALBgNVHQ8EBAMCBDAwDQYJKoZIhvcNAQELBQADggEBAHTUFX0OdIxI

I 6QCAbCkKkLqj7UzM3DCT5FTkgDvJhfO3SMrEZrd+LXmfguojyRS+R9i4/6Cr+iB+

I 7Cdq7I1bRIUkgtG9DX/zVM7vXaBCQ7skhzkCnPbTsii6ZkAVcN3XtBNgNiKHmHjZ

I bRGybTbyazUK17lat/EEEVgSH9vFGs9DihiUgYeBbQliQ3unzQWJEIUceFKYBiKe

I PpFEFNQWpXgCReNqY5rZCWWpHmWNz8wgrq634vAZFFkZkuyHf6IB28EU2BX/QdBZ

I yAzSdYdX8E8psHjanpHlCzBTXukz00O6MOuwbel3s31T3HUTQlJt3+uNCBZ13DEH

I KV2DuGG5Ivg=

L ----END CERTIFICATE----

L_ssl-date: 2021-03-23T23:18:28+00:00; 0s from scanner time.

Service Info: OSs: Windows, Windows Server 2008 R2 - 2012; CPE: cpe:/o:microsoft:windows

Host script results:

I_clock-skew: mean: 1h24m00s, deviation: 3h07m50s, median: 0s

I p2p-conficker:

I Checking for Conficker.C or higher...

```
I Check 1 (port 31361/tcp): CLEAN (Timeout)
I Check 2 (port 24639/tcp): CLEAN (Timeout)
  Check 3 (port 47514/udp): CLEAN (Timeout)
  Check 4 (port 36235/udp): CLEAN (Timeout)
I_ 0/4 checks are positive: Host is CLEAN or ports are blocked
I smb-os-discovery:
  OS: Windows Server 2016 Standard Evaluation 14393 (Windows Server 2016 Standard Evaluation 6.3)
  Computer name: Relevant
  NetBIOS computer name: RELEVANT\x00
  Workgroup: WORKGROUP\x00
  System time: 2021-03-23T16:17:49-07:00
I smb-security-mode:
I account_used: guest
  authentication_level: user
  challenge_response: supported
I_ message_signing: disabled (dangerous, but default)
I smb2-security-mode:
1 2.02:
    Message signing enabled but not required
I smb2-time:
I date: 2021-03-23T23:17:51
l_ start_date: 2021-03-23T23:05:10
Read data files from: /usr/bin/../share/nmap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/.
# Nmap done at Tue Mar 23 23:18:29 2021 -- 1 IP address (1 host up) scanned in 85.33 seconds
Enum4Linux
enum4linux -a -r -o -i -n -v mbclient -L 10.10.107.193
Enter WORKGROUP\root's password:
                    Type
                             Comment
     Sharename
     ADMIN$
                   Disk
                         Remote Admin
                          Default share
     C$
                  Disk
     IPC$
                  IPC
                          Remote IPC
     nt4wrksv
                   Disk
SMB1 disabled -- no workgroup available
[V] Dependent program "nmblookup" found in /usr/bin/nmblookup
[V] Dependent program "net" found in /usr/bin/net
[V] Dependent program "rpcclient" found in /usr/bin/rpcclient
[V] Dependent program "smbclient" found in /usr/bin/smbclient
[V] Dependent program "polenum" found in /usr/bin/polenum
[V] Dependent program "Idapsearch" found in /usr/bin/Idapsearch
Starting enum4linux v0.8.9 ( http://labs.portcullis.co.uk/application/enum4linux/ ) on Wed Mar 24 04:19:21 2021
  Target Information I
Target ..... mbclient
RID Range ...... 500-550,1000-1050
Username ...... "
Password ..... "
Known Usernames .. administrator, guest, krbtgt, domain admins, root, bin, none
   Enumerating Workgroup/Domain on mbclient I
[V] Attempting to get domain name with command: nmblookup -A 'mbclient'
[E] Can't find workgroup/domain
   Nbtstat Information for mbclient
Looking up status of 0.0.0.0
No reply from 0.0.0.0
```

Session Check on mbclient

nmapvulnscan

> exit

nmap -oA nmap-vuln -Pn -script vuln -p 80,135,139,445,3389 10.10.61.45

PORT STATE SERVICE 80/tcp open http I_http-aspnet-debug: ERROR: Script execution failed (use -d to debug) I_http-csrf: Couldn't find any CSRF vulnerabilities. I_http-dombased-xss: Couldn't find any DOM based XSS. I_http-stored-xss: Couldn't find any stored XSS vulnerabilities. I_http-vuln-cve2014-3704: ERROR: Script execution failed (use -d to debug) 135/tcp open msrpc 139/tcp open netbios-ssn 445/tcp open microsoft-ds 3389/tcp open ms-wbt-server Lssl-ccs-injection: No reply from server (TIMEOUT) l_sslv2-drown: Host script results: I_smb-vuln-ms10-054: false

| _smb-vuln-ms10-054: false | _smb-vuln-ms10-061: ERROR: Script execution failed (use -d to debug) | smb-vuln-ms17-010: | VULNERABLE: | Remote Code Execution vulnerability in Microsoft SMBv1 servers (ms17-010) | State: VULNERABLE | IDs: CVE:CVE-2017-0143 | Risk factor: HIGH | A critical remote code execution vulnerability exists in Microsoft SMBv1 | servers (ms17-010). | Disclosure date: 2017-03-14 | References: | https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2017-0143 | https://blogs.technet.microsoft.com/msrc/2017/05/12/customer-guidance-for-wannacrypt-attacks/https://technet.microsoft.com/en-us/library/security/ms17-010.aspx

Nmap done: 1 IP address (1 host up) scanned in 172.95 seconds

STEPS TAKEN FOR ENUM

Used tool AutoRecon too have initial recon to be in the background while I investigated the port scan; then seeing SMB I did a nmapvuln scan to see if I could do anything with Samba and found EternalBlue Exploit that we are going to try to exploit using the username and password that we aquired from the SMB share.

VULN

This security update resolves vulnerabilities in Microsoft Windows. The most severe of the vulnerabilities could allow remote code execution if an attacker sends specially crafted messages to a Microsoft Server Message Block 1.0 (SMBv1) server.

This security update is rated Critical for all supported releases of Microsoft Windows. For more information, see the Affected Software and Vulnerability Severity Ratings section.

The security update addresses the vulnerabilities by correcting how SMBv1 handles specially crafted requests.

For more information about the vulnerabilities, see the Vulnerability Information section.

For more information about this update, see Microsoft Knowledge Base Article 4013389.

STEPS TO CONFIRM VULN

[Nmap Vuln Scan Output]

smb-vuln-ms17-010:

- I VULNERABLE:
- I Remote Code Execution vulnerability in Microsoft SMBv1 servers (ms17-010)
- I State: VULNERABLE
- I IDs: CVE:CVE-2017-0143
- Risk factor: HIGH
- A critical remote code execution vulnerability exists in Microsoft SMBv1
- I servers (ms17-010).

NOTES AND THEORIES

It seems that eternalblue exploit exists but I don't really feel like installing pip2 and mysmb so we are just going to go with the hidden web server

SUMMARY OF VULNERABILITIES

2 vulnerabilites found.

First, Eternal(Blue/Romance) which is a CVE 9-10 so pretty bad.

Second, Remote File and code execution vulnerability that allows for us to open a reverse tcp connection. Using both a Reverse shell and web based command prompt

POST-EX

This is where I got stuck.

ENUM

God I hate Windows

PERMISSIONS

c:\windows\system32\inetsrv>whoami /priv whoami /priv

PRIVILEGES INFORMATION

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

SeIncreaseWorkingSetPrivilege Increase a process working set Disabled

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SUMMARY OF VULNERABILITIES

Permission vulnerability

ATTACK SURFACE

What are the vulnerabilities?

if you have SeAssignPrimaryToken or SeImpersonate privilege, you are SYSTEM

They allow you to run code or even create a new process in the context of another user

What seems most likely or most straightforward to leverage and why?

This Vuln

Do we have all the correct files/versions/access to exploit?

YES

LOOT

CREDS

Bob - !P*****D! Bill - Ju******************

PROOF

C:\Windows\system32>whoami whoami nt authority\system

SUMMARY OF ESCALATION

Name: Set ImpersonatePrivilege Exploit Link: https://github.com/itm4n/PrintSpoofer

TYPE: Privelage Impersonation

EXPLANATION: Allows you to impersonate system and spawn a shell

HOW WAS THIS DISCOVERED (should be in steps for enum, vuln)?

Googling

HOW WAS THIS EXPLOITED?

By using PrintSpoofer tool found by said googling

MISC NOTES

Dump whatever in here.

PrintSpoofer - Github: https://github.com/dievus/printspoofer

