## Esercizio 08-02

Utilizzo di Burpsuite per intercettare una richiesta di login e modificarne le credenziali per farla fallire

```
—(kali⊛kali)-[~]
└$ <u>sudo</u> apt install mysql -y
Reading package lists... Done
Building dependency tree ... Done
Reading state information... Done
  Unable to locate package mysql
 —(kali⊕kali)-[~]
  —(<mark>root⊗kali</mark>)-[/home/kali]
_m service mysql start
  -(root®kali)-[/home/kali]
   service mysql status

    mariadb.service - MariaDB 10.6.11 database server

     Loaded: loaded (/lib/systemd/system/mariadb.service; disabled; preset: disabled)
    Active: active (running) since Wed 2023-02-08 12:06:04 EST; 27s ago
       Docs: man:mariadbd(8)
            https://mariadb.com/kb/en/library/systemd/
    Process: 128467 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysqld (code=exited, st>
    Process: 128468 ExecStartPre=/bin/sh -c systemctl unset-environment WSREP START POSITION (code=exited, s>
    Process: 128470 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera recovery ] & VAR= \ VAR= \ VAR= \ Cd /usr/bin/.>
    Process: 128514 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, >
   Process: 128516 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
   Main PID: 128500 (mariadbd)
    Status: "Taking your SQL requests now ... "
     Tasks: 15 (limit: 2287)
    Memory: 91.0M
        CPU: 755ms
     CGroup: /system.slice/mariadb.service
             -128500 /usr/sbin/mariadbd
Feb 08 12:06:04 kali mariadbd[128500]: 2023-02-08 12:06:04 0 [Note] InnoDB: Loading buffer pool(s) from /var/>
Feb 08 12:06:04 kali mariadbd[128500]: 2023-02-08 12:06:04 0 [Warning] You need to use --log-bin to make --ex>
Feb 08 12:06:04 kali mariadbd[128500]: 2023-02-08 12:06:04 0 [Note] InnoDB: Buffer pool(s) load completed at >
Feb 08 12:06:04 kali mariadbd[128500]: 2023-02-08 12:06:04 0 [Note] Server socket created on IP: '127.0.0.1'.
Feb 08 12:06:04 kali mariadbd[128500]: 2023-02-08 12:06:04 0 [Note] /usr/sbin/mariadbd: ready for connections.
Feb 08 12:06:04 kali mariadbd[128500]: Version: '10.6.11-MariaDB-2' socket: '/run/mysqld/mysqld.sock' port:>
Feb 08 12:06:04 kali systemd[1]: Started mariadb.service - MariaDB 10.6.11 database server.
Feb 08 12:06:04 kali /etc/mysql/debian-start[128518]: Upgrading MySQL tables if necessary.
Feb 08 12:06:05 kali /etc/mysql/debian-start[128530]: Checking for insecure root accounts.
Feb 08 12:06:05 kali /etc/mysql/debian-start[128534]: Triggering myisam-recover for all MyISAM tables and ari>
```

```
[/home/kali]
    apt install apache2
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
apache2 is already the newest version (2.4.55-1).
The following packages were automatically installed and are no longer required:
  catfish dh-elpa-helper docutils-common gir1.2-xfconf-0 libcfitsio9 libgdal31 libpoppler123 libprotobuf23
  libzxingcore1 python-pastedeploy-tpl python3-alabaster python3-docutils python3-imagesize python3-roman
  python3-snowballstemmer python3-speaklater python3-sphinx ruby3.0 ruby3.0-dev ruby3.0-doc sphinx-common
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
    root@kali)-[/home/kali]
                                                                      Avviamento servizio Apache2
   service apache2 start
    root@kali)-[/home/kali]
                                                                     E verifica stato
    service apache2 status
• apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; disabled; preset: disabled)
     Active: active (running) since Wed 2023-02-08 12:10:07 EST; 9s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 130673 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 130677 (apache2)
      Tasks: 6 (limit: 2287)
     Memory: 23.6M
        CPU: 142ms
     CGroup: /system.slice/apache2.service
              -130677 /usr/sbin/apache2 -k start
              -130679 /usr/sbin/apache2 -k start
              -130680 /usr/sbin/apache2 -k start
              —130681 /usr/sbin/apache2 -k start
              -130682 /usr/sbin/apache2 -k start
Feb 08 12:10:06 kali systemd[1]: Starting apache2.service - The Apache HTTP Server...
Feb 08 12:10:07 kali apachectl[130676]: AH00558: apache2: Could not reliably determine the server's fully qua>
Feb 08 12:10:07 kali systemd[1]: Started apache2.service - The Apache HTTP Server.
```

```
remote-https
                ---(root@kali)-[/var/ww/html]
                git clone https://github.com/digininja/DVWA
               Cloning into 'DVWA' ...
               remote: Enumerating objects: 4112, done.
               remote: Counting objects: 100% (126/126), done.
               remote: Compressing objects: 100% (71/71), done.
               remote: Total 4112 (delta 62), reused 114 (delta 54), pack-reused 3986
               Receiving objects: 100% (4112/4112), 1.86 MiB | 831.00 KiB/s, done.
               Resolving deltas: 100% (1920/1920), done.
                 —(root⊛kali)-[/var/ww/html]
                -# chmod -R 777 DVWA/
                                                           Copia di un file su GitHub in
                                                           "html" con modifica dei
                 —(root®kali)-[/var/ww/html]
                -# cd DVWA/config
                                                           permessi per modificarlo
                 -(root⊛kali)-[/var/www/html/DVWA/config]
                _m cp config.inc.php.dist config.inc.php
                 —(root@kali)-[/var/ww/html/DVWA/config
                mano config.inc.php
  -(root@kali)-[/var/www/html/DVWA/config
└# mysql -u root -p
                                                             Creazione di una utenza
Enter password:
                                                             "kali" con tutti i privilegi
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 31
Server version: 10.6.11-MariaDB-2 Debian n/a
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> create user 'kali'@'120.0.0.1'identified by 'kali';
Query OK, 0 rows affected (0.022 sec)
MariaDB [(none)]> grant all privileges on dvwa.* to 'kali'@'127.0.0.1'identified by 'kali';
```

-(root@kali)-[/home/kali]

—(root⊕kali)-[/var/ww/html]

git clone hhtps://github.com/digininja/DVWA

git: 'remote-hhtps' is not a git command. See 'git --help'.

\_mcd /var/www/html

Cloning into 'DVWA' ...

Query OK, 0 rows affected (0.020 sec)

MariaDB [(none)]> exit

Bye

The most similar command is

```
(root@ kali) - [/var/www/html/DVWA/config]
# service apache2 start

(root@ kali) - [/var/www/html/DVWA/config]
# cd /etc/php/8.1/apache2

(root@ kali) - [/etc/php/8.1/apache2]
# cd ..

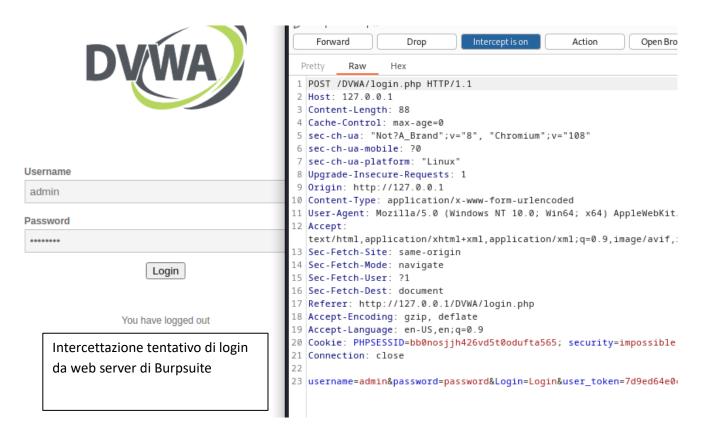
(root@ kali) - [/etc/php/8.1]
# cd ..

(root@ kali) - [/etc/php]
# ls
8.1 8.2

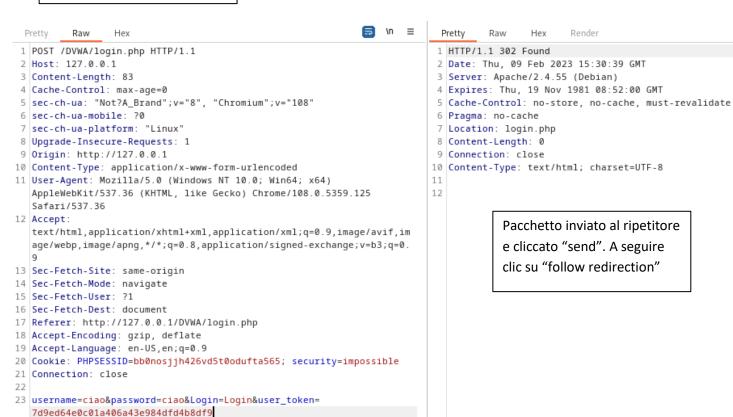
(root@ kali) - [/etc/php]
# cd 8.2

(root@ kali) - [/etc/php/8.2]
# cd apache2
```

Spostamento in apache2 passando per php 8.2 (versione più recente)



```
9 Origin: http://12/.0.0.1
10 Content-Type: application/x-www-form-urlen
                                                      Send to Intruder
                                                                             Ctrl+I
11 User-Agent: Mozilla/5.0 (Windows NT 10.0;
                                                                                    KHTML,
12 Accept:
                                                                             Ctrl+R
                                                      Send to Repeater
   text/html,application/xhtml+xml,applicatio
                                                                                    p,image
                                                      Send to Sequencer
13 Sec-Fetch-Site: same-origin
                                                      Send to Comparer
14 Sec-Fetch-Mode: navigate
15 Sec-Fetch-User: ?1
                                                      Send to Decoder
16 Sec-Fetch-Dest: document
                                                      Insert Collaborator payload
17 Referer: http://127.0.0.1/DVWA/login.php
                                                      Request in browser
18 Accept-Encoding: gzip, deflate
19 Accept-Language: en-US,en;q=0.9
                                                      Engagement tools [Pro version only]
20 Cookie: PHPSESSID=bb0nosjjh426vd5t0odufta5
                                                      Change request method
21 Connection: close
22
                                                      Change body encoding
23 username=ciao&password=ciao&Login=Login&us
                                                                                    dfd4b8
                                                      Copy URL
                                                      Copy as curl command
       Modifica delle credenziali di
       accesso e invio pacchetto al
       ripetitore
```



```
Request
                                                                            Response
                                                               5 \n ≡
                                                                                                    Render
                                                                             Pretty
 1 GET /DVWA/login.php HTTP/1.1
                                                                            1 HTTP/1.1 200 OK
2 Host: 127.0.0.1
                                                                            2 Date: Thu, 09 Feb 2023 15:31:58 GMT
3 Cache-Control: max-age=0
                                                                            3 Server: Apache/2.4.55 (Debian)
4 sec-ch-ua: "Not?A_Brand"; v="8", "Chromium"; v="108"
                                                                            4 Expires: Tue, 23 Jun 2009 12:00:00 GMT
5 sec-ch-ua-mobile: ?0
                                                                            5 | Cache-Control: no-cache, must-revalidate
                                                                            6 Pragma: no-cache
6 sec-ch-ua-platform: "Linux"
7 Upgrade-Insecure-Requests: 1
                                                                            7 Vary: Accept-Encoding
 8 Origin: http://127.0.0.1
                                                                            8 Content-Length: 1454
9 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
                                                                            9 Connection: close
   AppleWebKit/537.36 (KHTML, like Gecko) Chrome/108.0.5359.125
                                                                           10 Content-Type: text/html;charset=utf
                                                                                                                     Simulazione della
   Safari/537.36
                                                                           12 <!DOCTYPE html>
10 Accept:
                                                                                                                     richiesta di login
   text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,im
                                                                           13
   age/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.
                                                                           14 <html lang="en-GB">
                                                                           15
11 Sec-Fetch-Site: same-origin
                                                                           16
                                                                                <head>
                                                                           17
12 Sec-Fetch-Mode: navigate
                                                                           18
13 Sec-Fetch-User: ?1
                                                                                  <meta http-equiv="Content-Type" content="text/html;</pre>
14 Sec-Fetch-Dest: document
                                                                                  charset=UTF-8" />
                                                                           19
15 Referer: http://127.0.0.1/DVWA/login.php
16 Accept-Encoding: gzip, deflate
                                                                           20
                                                                                  <title>
17 Accept-Language: en-US,en;q=0.9
                                                                                    Login :: Damn Vulnerable Web Application (DVWA) v1.10
18 Cookie: PHPSESSID=bb0nosjjh426vd5t0odufta565; security=impossible
                                                                                    *Development*
19 Connection: close
                                                                                  </title>
20
                                                                           21
21
                                                                           22
                                                                                  <link rel="stylesheet" type="text/css" href="dvwa/css/login.css</pre>
                                                                                  " />
                                                                           23
                                                                           24
                                                                                </head>
                                                                           25
                                                                           26
                                                                                <body>
                                                                           27
                                                                           28
                                                                                  <div id="wrapper">
                                                                           29
                                                                           30
                                                                                    <div id="header">
                                                                           31
                                                                           32
                                                                                      <br />
                                                                           33
                                                                           34
                                                                                        <img src="dvwa/images/login_logo.png" />
```

Fallita perchè abbiamo sostituito le credenziali