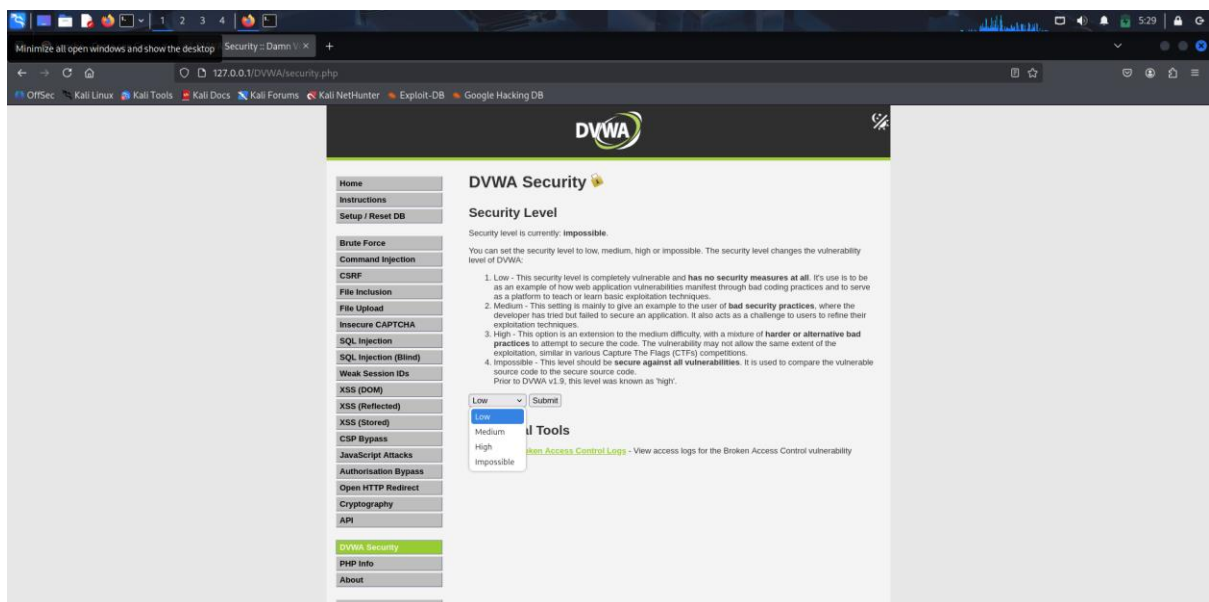
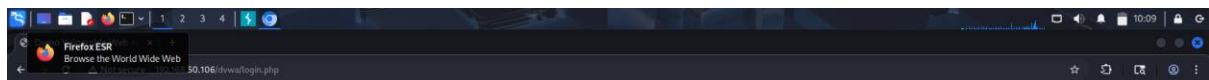


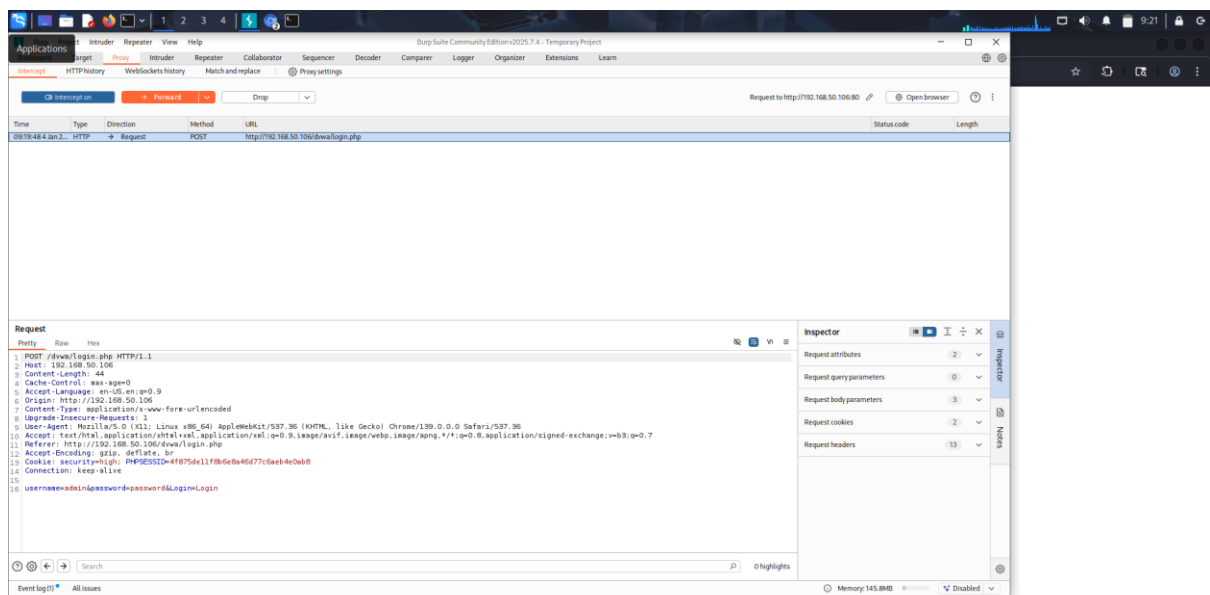
W13D1_ESERCIZIO DVWA- EXPLOIT FILE UPLOAD

Si utilizza la DVWA impostata su un livello di difficoltà basso (estremamente vulnerabile) per andare a vedere le tecniche che consentono di sfruttare le vulnerabilità, in questo caso si sfrutta la vulnerabilità UPLOAD.

Si esegue tramite burpsuite la connessione a metasploitable e si lascia iniziare l'attività di cattura.



In contemporanea, con l'avvio di Burpsuite, si intercettano le richieste che possono essere modificate grazie all'avvio di una pagina web inserendo l'indirizzo della DVWA (damn vulnerable web application).



Si iniziano a vedere le prime informazioni raccolte che sono:

- USERNAME e PASSWORD (che potrebbero essere facilmente modificabili)
- POST
- HOST 192.168.50.106
- LIVELLO SICUREZZA
- SISTEMA OPERATIVO
- COOKIE

PortSwigger Burp Suite Community Edition v2023.7.4 - Temporary Project

Site map filter: Hiding not found items; hiding CSS, image and general binary content; hiding Ajax responses; hiding empty folders

Host: 127.0.0.1

Host	Method	URL	Params	Status code	Length	MIME type	Title	Notes	Time requested
http://127.0.0.1	GET	/DWA/dwa/js/all_event_inten...		200	811	Script			05:43:50.4 Jan 2026
http://127.0.0.1	GET	/DWA/dwa/js/dwaPage.js		200	1560	Script			05:43:50.4 Jan 2026
http://127.0.0.1	GET	/DWA/index.php		200	6857	HTML	Welcome : Damn Vulnerable Web ...		05:43:53.4 Jan 2026
http://127.0.0.1	GET	/DWA/login.php		200	1669	HTML	Login : Damn Vulnerable Web App ...		05:43:58.4 Jan 2026
http://127.0.0.1	GET	/DWA/secure.php		200	5584	HTML	DVWA Security : Damn Vulnerable ...		05:44:22.4 Jan 2026
http://127.0.0.1	GET	/DWA/		302	416				05:43:57.4 Jan 2026
http://127.0.0.1	POST	/DWA/login.php		302	482				05:43:45.4 Jan 2026
http://127.0.0.1	POST	/DWA/secure.php		302	498				05:44:21.4 Jan 2026

Request

1 GET /DWA/ HTTP/1.1

2 Host: 127.0.0.1

3 Accept-Language: en-US,en;q=0.9

4 Upgrade-Insecure-Requests: 1

5 User-Agent: Mozilla/5.0 (X11; Linux x86_64; AppleWebKit/537.36 (KHTML, like Gecko) Chrome/139.0.0.0 Safari/537.36

6 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7

7 Sec-Fetch-Site: none

8 Sec-Fetch-Mode: navigate

9 Sec-Fetch-User: ?1

10 Sec-Fetch-Dest: document

11 sec-ch-ua: "Chromium";v="139", "Not;A=Brand";v="99"

12 sec-ch-ua-mobile: ?0

13 sec-ch-ua-platform: "Linux"

14 Accept-Encoding: gzip, deflate, br

15 Connection: keep-alive

16

17

Response

1 HTTP/1.1 302 Found

2 Date: Sun, 04 Jan 2026 10:49:27 GMT

3 Server: Apache/2.4.65 (Debian)

4 Set-Cookie: security=possible; path=/; httpOnly

5 Set-Cookie: PHPSESSID=72208d0745125ac3f70946565a1100; expires=Mon, 05 Jan 2026 10:43:27 GMT; Max-Age=86400; path=/; httpOnly; Secure; Strict

6 Expires: Thu, 19 Nov 1981 08:52:00 GMT

7 Cache-Control: no-store, no-cache, must-revalidate

8 Pragma: no-cache

9 Set-Cookie: PHPSESSID=81e4036907c6904966739a3b5e9f4a4; expires=Mon, 05 Jan 2026 10:43:27 GMT; Max-Age=86400; path=/; httpOnly; Secure; Strict

10 Location: login.php

11 Content-Length: 0

12 Keep-Alive: timeout=5, max=100

13 Connection: Keep-Alive

14 Content-Type: text/html; charset=UTF-8

15

16

Inspector

Request attributes

Request headers

Response headers

Memory: 130.1MB

Firefox ESR Browse the World Wide Web

Site map filter: Hiding not found items; hiding CSS, image and general binary content; hiding Ajax responses; hiding empty folders

Host: 192.168.50.106

Host	Method	URL	Params	Status code	Length	MIME type	Title	Notes	Time requested
http://192.168.50.106	GET	/dwa/login.php		200	1728	HTML	Damn Vulnerable Web App (DVWA) - Login		09:34:04.4 Jan 2026
http://192.168.50.106	GET	/dwa/		302	482				09:19:21.4 Jan 2026
http://192.168.50.106	POST	/dwa/login.php		302	392				09:33:10.4 Jan 2026
http://192.168.50.106	GET	/dwa/images/RandomStorm.png		200	1728	Image/png			09:33:10.4 Jan 2026
http://192.168.50.106	POST	/dwa/login.php		302	392				09:33:10.4 Jan 2026

Request

1 GET /dwa/login.php HTTP/1.1

2 Host: 192.168.50.106

3 Accept-Language: en-US,en;q=0.9

4 Upgrade-Insecure-Requests: 1

5 User-Agent: Mozilla/5.0 (X11; Linux x86_64; AppleWebKit/537.36 (KHTML, like Gecko) Chrome/139.0.0.0 Safari/537.36

6 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7

7 Accept-Encoding: gzip, deflate, br

8 Connection: keep-alive

9

10

Response

1 HTTP/1.1 200 OK

2 Date: Sun, 04 Jan 2026 14:34:03 GMT

3 Server: Apache/2.2.8 (Ubuntu/DAV/2)

4 X-Powered-By: PHP/5.2.4-2ubuntu5.10

5 Pragma: no-cache

6 Cache-Control: no-cache, must-revalidate

7 Expires: Tue, 29 Jun 2009 12:00:00 GMT

8 Set-Cookie: PHPSESSID=81e4036907c6904966739a3b5e9f4a4; expires=Mon, 05 Jan 2026 10:43:27 GMT; Max-Age=86400; path=/; httpOnly; Secure; Strict

9 Set-Cookie: security=high

10 Content-Length: 1289

11 Keep-Alive: timeout=15, max=100

12 Connection: Keep-Alive

13 Content-Type: text/html; charset=utf-8

14

15

16

17 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

18

19 <html xmlns="http://www.w3.org/1999/xhtml">

20

21 <head>

22 <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />

23

24 <title>

25 <title>

26 <link rel="stylesheet" type="text/css" href="/dwa/css/login.css" />

27

28 </head>

29

30 <body>

31

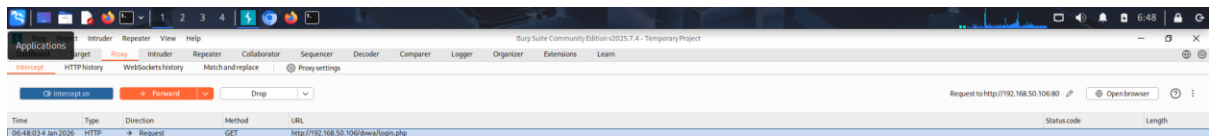
Inspector

Request attributes

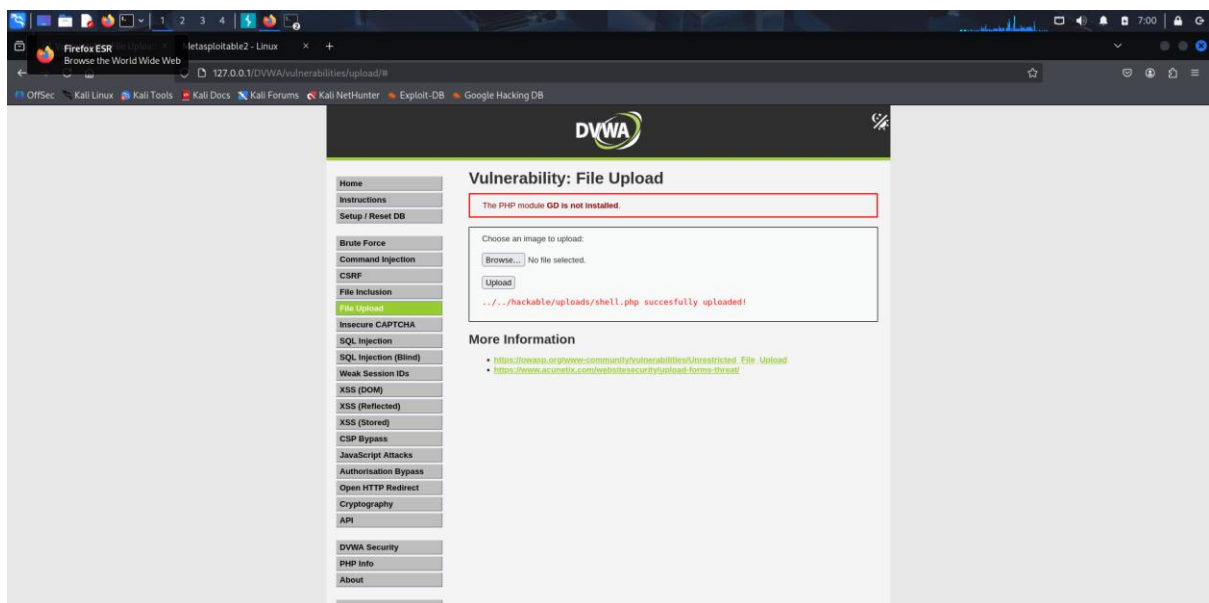
Request headers

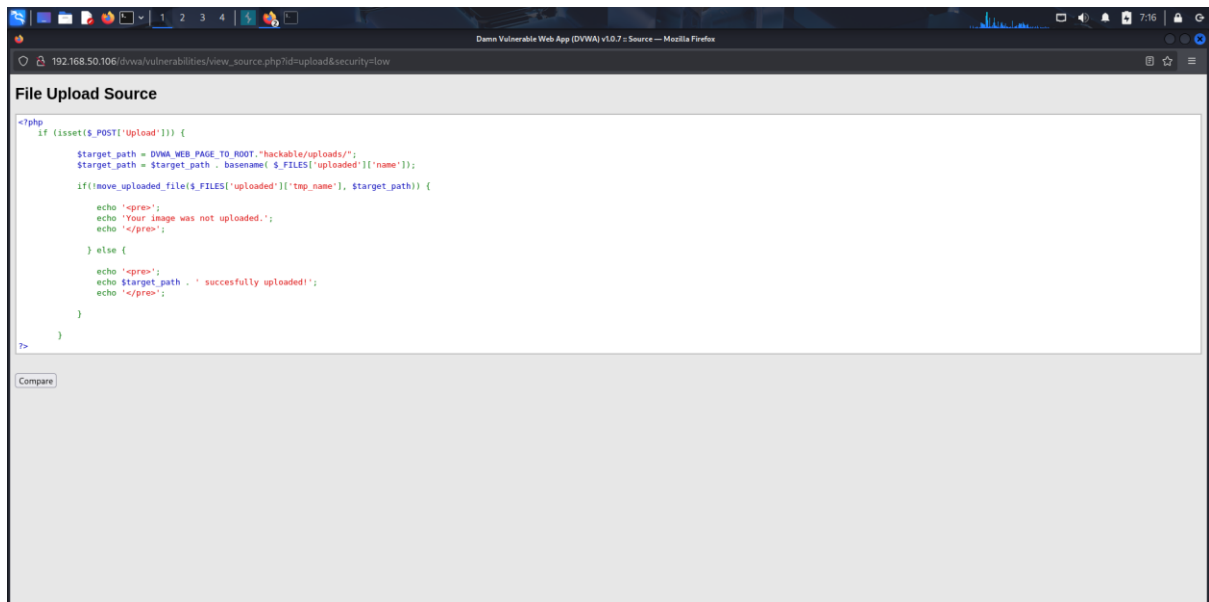
Response headers

Memory: 127.8MB

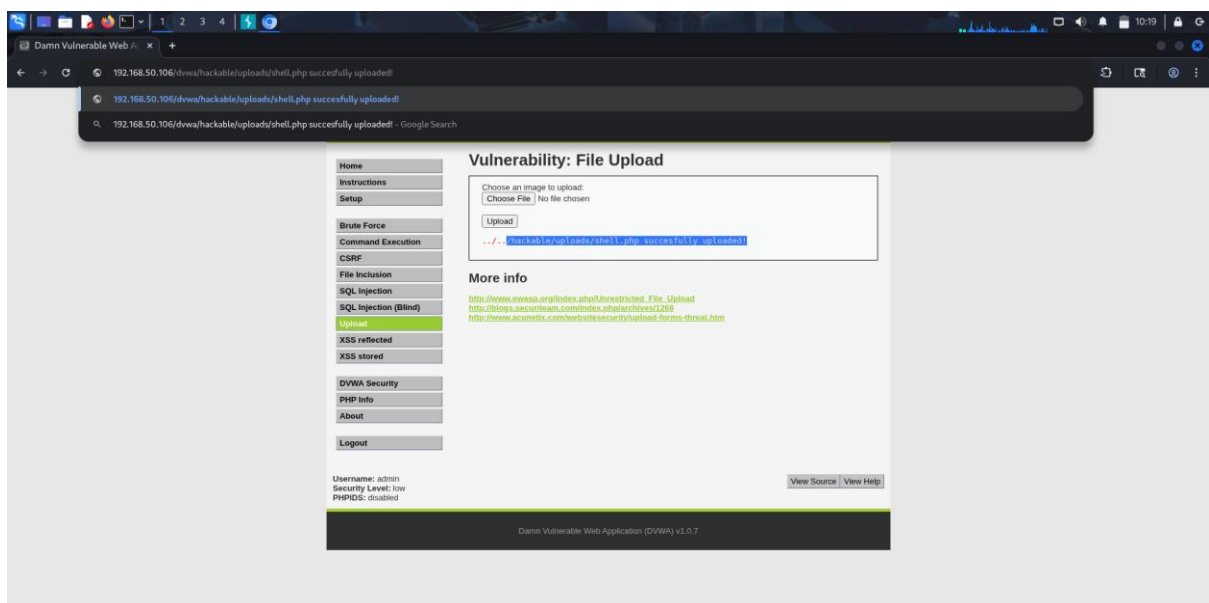


Si prosegue caricando sulla DVWA una shell.php andando a sfruttare la vulnerabilità upload come già detto.

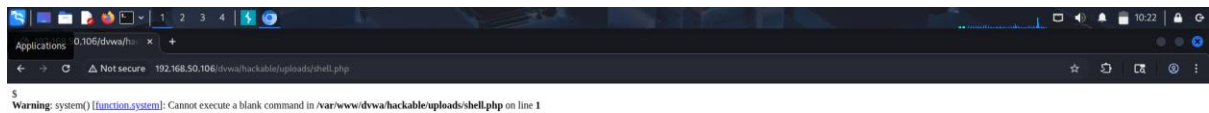




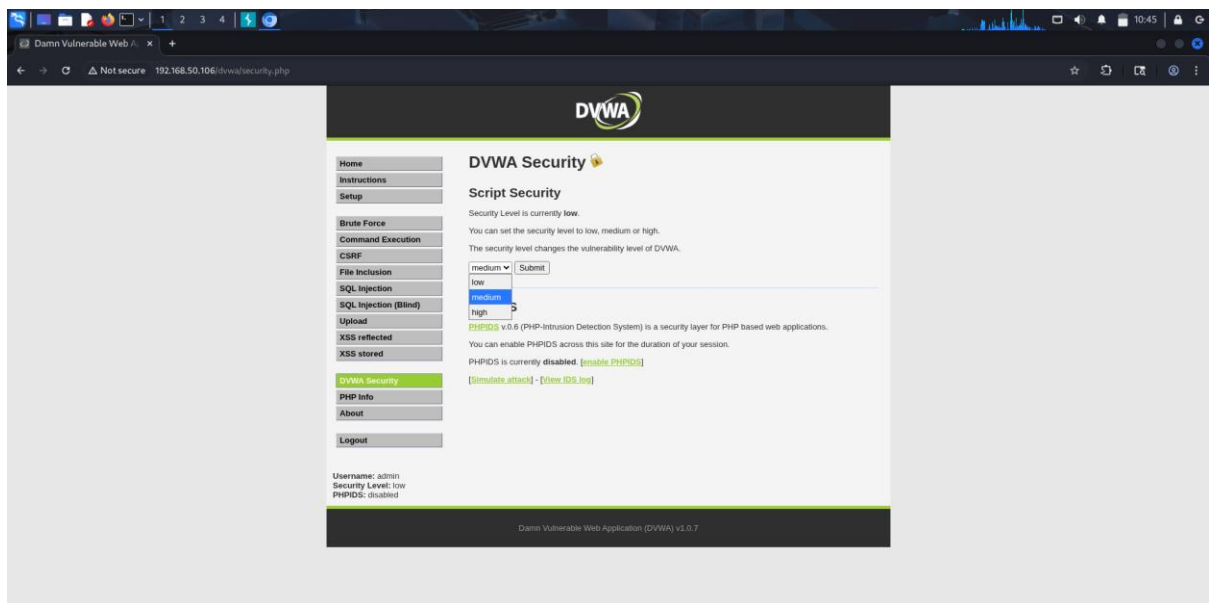
La shell.php è stata correttamente caricata ed eseguita come restituisce anche il risultato del caricamento.

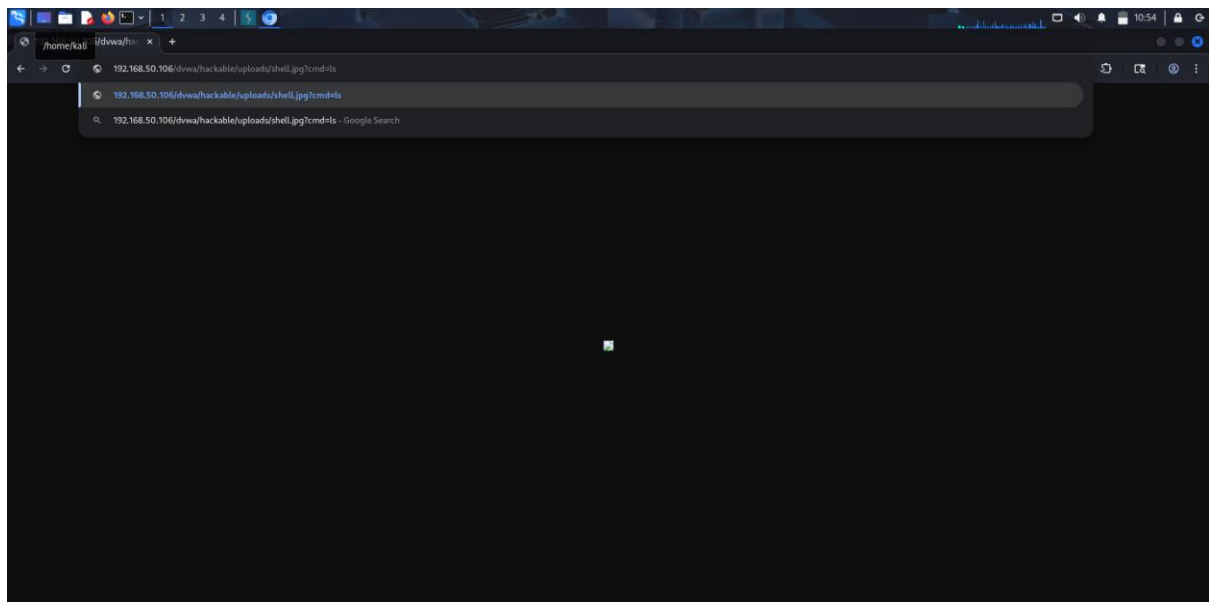
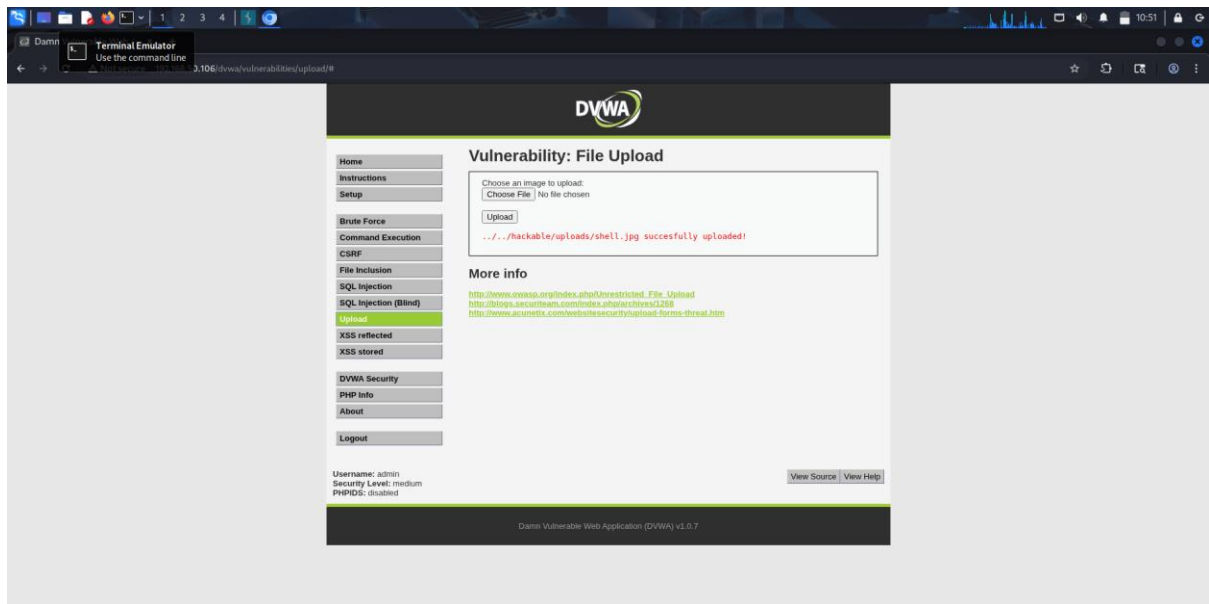


Nella barra di ricerca è stato copiato ed incollato il path
./../hackable/uploads/shell.php

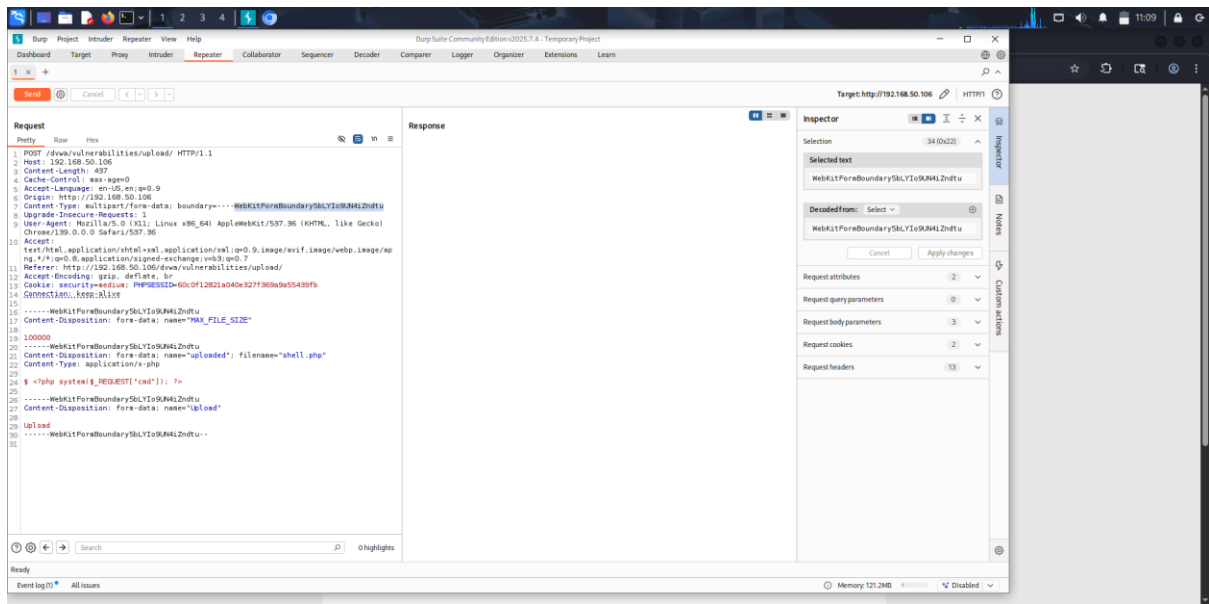


Si prosegue modificando il livello di sicurezza a MEDIUM e si carica una immagine (php.jpg)





Il file in formato .jpg non si può eseguire anche se caricato.



Da burpsuite viene fatto un controllo sul tipo di file che modifichiamo in jpeg con repeater attraverso la manipolazione del nome