


Authentication Lab2: 2FA Bypass

- Now, it's time to solve another lab let's do it.



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Web Security Academy >> Authentication vulnerabilities >> Multi-factor >> Lab

Lab: 2FA simple bypass

APPRENTICELABNot solved

This lab's two-factor authentication can be bypassed. You have already obtained a valid username and password, but do not have access to the user's 2FA verification code. To solve the lab, access Carlos's account page.

- Your credentials: `wiener:peter`
- Victim's credentials: `carlos:montoya`

Access the lab

Solution

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Level progress:

7 of 52	2 of 151	1 of 36
Apprentice	Practitioner	Expert

Your level:

- Here, you have a login page for accessing the lab.

WebSecurity Academy2FA simple bypassLABNot solved

Email clientBack to lab description >>

Login

Username

wiener

Password

•••••

Log in

- On login you found that here you have to enter a 4-digit security code for verification which was sent to user's email.



2FA simple bypass

LAB Not solved

[Back to lab home](#)

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Please enter your 4-digit security code

Login

- Click on the Email Client tab you found the email for the security code(1602).



2FA simple bypass

LAB Not solved

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Your email address is wiener@exploit-0afa00c804eb4769c4ae31e3015c0056.exploit-server.net

Displaying all emails @exploit-0afa00c804eb4769c4ae31e3015c0056.exploit-server.net and all subdomains

Sent	To	From	Subject	Body
2023-03-28 19:09:44 +0000	wiener@exploit-0afa00c804eb4769c4ae31e3015c0056.exploit-server.net	no-reply@0aaf000c0408479fc425327c009f002f.web-security-academy.net	Security code	<p>Hello!</p> <p>Your security code is 1602.</p> <p>Please enter this in the app to continue.</p> <p>Thanks, Support team</p>


[View raw](#)

- Enter the 4-digit security code in the email box shown below.

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2FA simple bypass

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LAB Not solved 

Please enter your 4-digit security code

- User logged into profile.

WebSecurity Academy 

2FA simple bypass

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LAB Not solved 

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

My Account

Your username is: wiener

Your email is: wiener@exploit-0afa00c804eb4769c4ae31e3015c0056.exploit-server.net


Email

- Let the game begins logout wiener and try to bypass 2FA to log in to Carlos.

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2FA simple bypass

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LAB Not solved 

Login

Username

Password

- Now, for bypassing 2FA here, I try all the possibilities. Let's start with the first one which is by using the code received for previous user.



2FA simple bypass

LAB
Not solved


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Please enter your 4-digit security code

1602

Login

- Here, you found it's not working.



2FA simple bypass

LAB
Not solved


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Login

Incorrect security code

Username

Password

Log in

- Another, way for bypassing 2FA I tried for brute force attack on the security code but it's my bed luck.

Results

Positions

Payloads

Resource Pool

Options

Filter: Showing all items

Request	Payload	Status	Error	Timeout	Length	Comment
0		500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
1	0	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
2	1	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
3	2	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
4	3	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
5	4	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
6	5	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
7	6	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
8	7	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
9	8	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
10	9	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
11	10	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
12	11	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
13	12	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
14	13	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	
15	14	500	<input type="checkbox"/>	<input type="checkbox"/>	2380	

Request

Response

Pretty

Raw

Hex

Render

1

HTTP/2.0 500 Internal Server Error

2

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

3

X-Frame-Options: SAMEORIGIN

4

Content-Length: 2253

5

6

<!DOCTYPE html>

7

<html>

8

<head>

- Now, I randomly start hitting endpoints, and when I hit my-account endpoint a pop-up appears and it's CONGRATULATION, YOU SOLVED LAB. Here, I analyze that the server doesn't manage the session properly.

Web Security Academy | 2FA simple bypass | 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: carlos

Your email is: carlos@carlos-montoya.net

Email

Update email