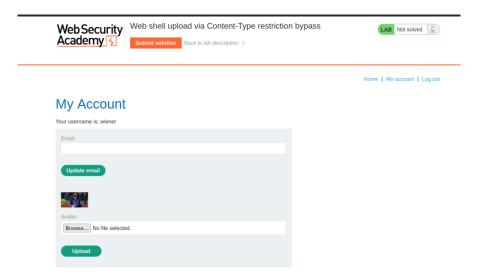
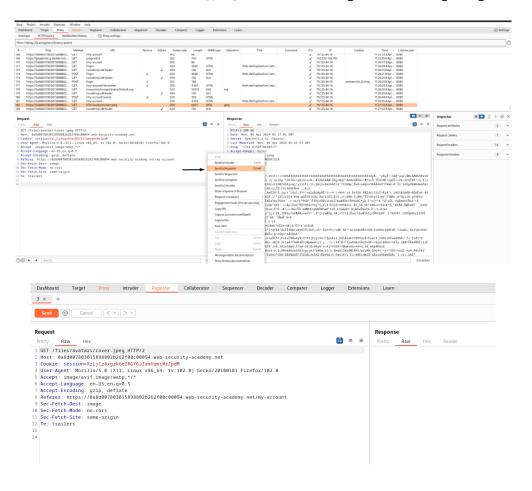
## File Upload Vulnerabilities Lab - 02 Web Shell Upload Via Content-Type Restriction Bypass

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Log in and upload an image as your avatar, then go back to your account page.



In Burp, go to Proxy > HTTP history and notice that your image was fetched using a GET request to /files/avatars/cover.jpeg. Send this request to Burp Repeater.



On your system, create a file called exploit.php, containing a script for fetching the contents of Carlos's secret.

```
(kali⊕ kali)-[~]

$ cat exploit.php

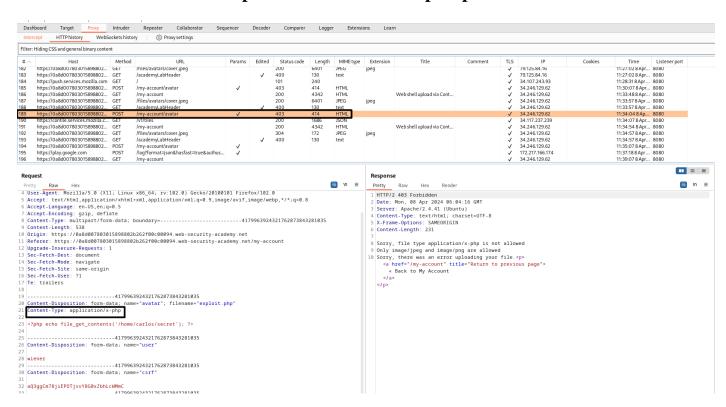
<?php echo file_get_contents('/home/carlos/secret'); ?>
```

Attempt to upload the script as avatar. The response indicates that you are only allowed to upload files with the MIME type image/jpeg or image/png.

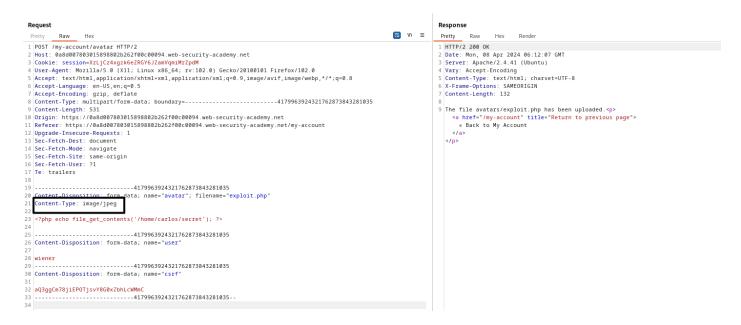
Sorry, file type application/x-php is not allowed Only image/jpeg and image/png are allowed Sorry, there was an error uploading your file.

Back to My Account

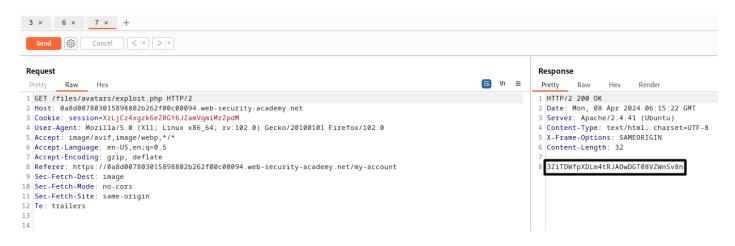
In Burp, go back to the proxy history and find the POST /my-account/avatar request that was used to submit the file upload. Send this to Burp Repeater.



In Burp Repeater, go to the tab containing the POST /my-account/avatar request. In the part of the message body related to your file, change the specified Content-Type to image/jpeg. Send the request. Observe that the response indicates that your file was successfully uploaded.

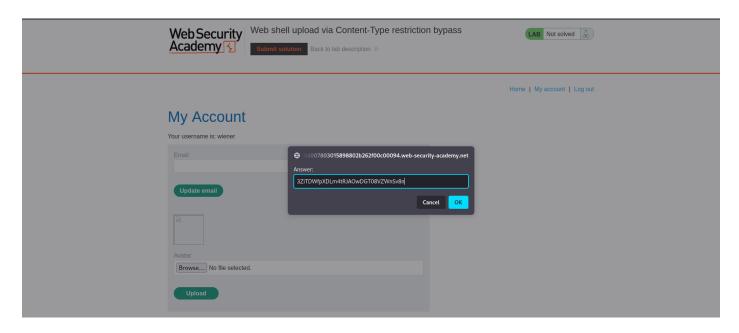


Switch to the other Repeater tab containing the GET /files/avatars/cover.jpeg request. In the path, replace the name of your image file with exploit.php and send the request. Observe that Carlos's secret was returned in the response.



Secret: 3ZiTDWfpXDLm4tRJAOwDGT08VZWnSv8n

## Submit the secret to solve the lab.



## Lab Completed Successfully.



Home | My account | Log out

## My Account

