

Challenge 4: User Agent

Category: Web Exploitation

Description: "only real samsung smart fridge owner can access"

>> THOUGHT PROCESS:

1. When clicking on the link directly, it takes us to ehax insta page. (Side note: during the CTF it took us to a *totally random* youtube video titled - Never gonna give you up, Never gonna let you down!)
2. So we must do something different. In this challenge we can't even access the page. In other challenges we could access the webpage and at least derive something from its source and inspector window. But not with this one
3. We could try to put this link in a "where does this page take me" online tool. There are many websites like bit.ly which redirect webtraffic which comes to them. So, With this tool we may find something useful. But those didn't help
4. Later, a hint was dropped that it is related to 'User agent'. And the description also says that only 'samsung smart fridge' users can access. We can do something with this

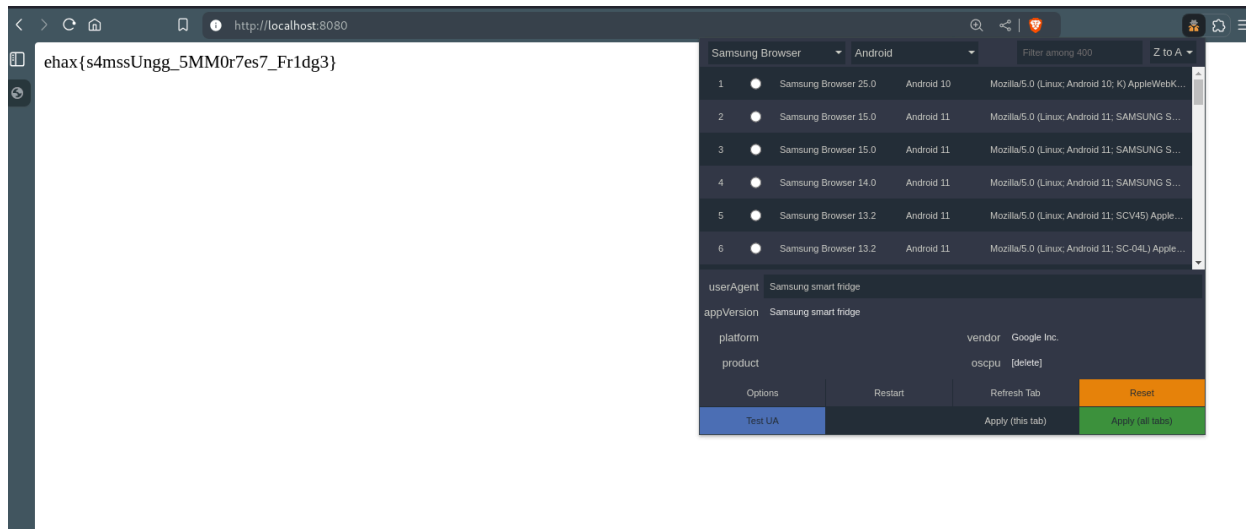
// User agent is a string of text that a web browser sends to a web server when making a request. This string provides information about our software, operating system, and other relevant details.

// Its like if you have noticed on some download page of a multi-platform software, it automatically shows us relevant download options as per our OS. if its windows then it shows 'Download for Windows' if its mac then it shows 'Download for MacOS' etc.

// We can also change this in developer tools or using extensions.

>> APPROACH

- We'll use a user-agent changing extension from chrome web store to change our user agent to - 'Samsung smart fridge'



- This is the extension
<https://chromewebstore.google.com/detail/user-agent-switcher-and-m/bhchdcejhohfmigjafbampogmaanbfkg>
- That's it. Its over
- `>> FLAG: ehax{s4mssUngg_5MM0r7es7_Fr1dg3} <<`

>> FINAL-THOUGHTS / CONCLUSION

This was a tricky challenge. This could be done with curl also but many ppl (including me) were facing difficulty in completing this. We knew what was to be done but still couldn't do it as the user agent should exactly match what is in the index.php file. We were facing difficulty in finding exact match of the samsung smart fridge user agent.
