# **Zomato CTF**

10 October 2023 23:47

# Level 0:

Flag was there!

### Level 1:

Landing Page was this. We need to bypass it and go in as admin.



Tried admin:admin

Output Message - "It is not that simple."

Tried Administrator: different password

Output Message- "Host is right but not the credentials, invalid username."

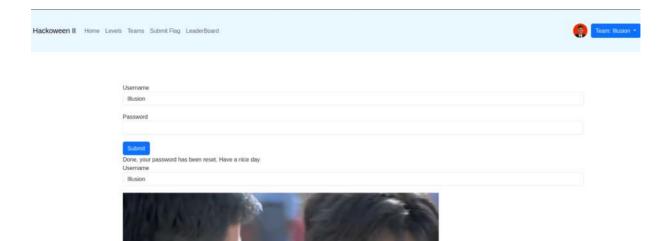
This meant username is admin only, tried SQL injection to bypass it but failed. On inspecting found hidden field authentication token, but nothing particular there.

Came back after some time, the username already has Illusion as value (as seen in above image), I didn't setup any password there so what password? Tried random password, and we got to following page.





Clicked on reset request,



#### But where is password?

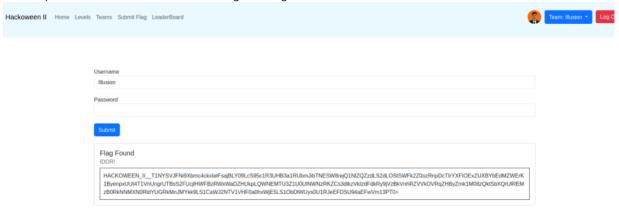
Fired up burp and intercepted response also. Intercepted the Reset request again and changed username to admin.

#### Here is response



We got the password hidden.

Use that password with username admin and we got the flag.



# Level 2: Tip of the Iceberg (enter code after @@)

PGP private key block in the source code

# Level 3: Fuzz-Buzz (Need access)

A parameter encoded in base64. On decoding it we got the obfuscated JavaScript in jsfuck. Decoding that give old\_value; new\_value. Tried changing grant\_access parameter in the request to true but no luck!

## Level 4: Git to the core

Found this "https://gist.github.com/jatindhankhar/1674eb5a892ea5b932e99929b18fecf5.js" from the source code.

## Level 12: Detective Work

(Forgot to download all the images). Solved 10/14 challenges

Challenge 1: Samsung factory Noida 201305 - google lens

Challenge 2: Mayanmar - reverse search



Challenge 3: 80331 (Munich, germany) (google lens the hotel name, first link which we'll get is <a href="https://benjaminstrick.com/finding-mcafee-a-case-study-on-geoprofiling-and-imagery-analysis/">https://benjaminstrick.com/finding-mcafee-a-case-study-on-geoprofiling-and-imagery-analysis/</a> exact location is given in this blog.

### Challenge 4:



#### Challenge 5:



First I searched EasyJet flights on 17 august, goa really long list of cities. Then zooming in and clearing some text I got the number on plane to be somewhat G-EZBO which has airplane number A319, Filtered out the cities where a319 landed or took off. Reverse searching image on Yandex with focus on windmills got me runway 18r which happens to be in Amsterdam.

Flight is either <a href="https://www.flightaware.com/live/flight/EZY2516/history/20230817/1040Z/EHAM/EGGW">https://www.flightaware.com/live/flight/EZY2517/history/20230817/1155Z/EGGW/EHAM/https://www.alamy.com/stock-photo-g-ezfm-aircraft-taxiing-after-landing-on-runway-18r-pic2-128844810.html</a>

### Challenge 6:

Google lens on train train number 461-030 Montenegro country

#### Challenge 7:

# Challenge 8:



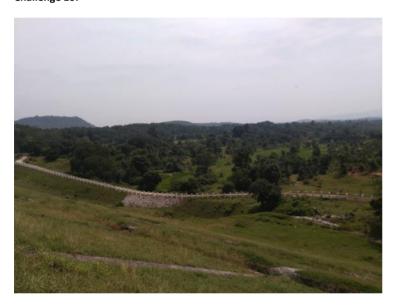
Hostinec and saris got me into Europe and that too in Czech and Slovakia. Saris locations are mostly in Slovakia, so took a shot and got lucky.

# Challenge 9:



Crop the photo and tried reverse image searching with only the board sign. The middle line says the greens got this link <a href="https://www.savaari.com/blog/top-10-places-of-south-india/">https://www.savaari.com/blog/top-10-places-of-south-india/</a> City: Ooty

### Challenge 10:



tried Jharkhand, Chhattisgarh, Karnataka, Kerala, Maharashtra, but no luck.

**Challenge 11:**Both these images are from same hotel, need to find that.



Siam design hotel,
Reverse searching second image it shows the location is pattaya and the view is somewhat similar to second image.
<a href="https://yandex.com/images/search?cbir">https://yandex.com/images/search?cbir</a> id=9462544%2FS06Pn265f1l1NEbrqKR22w8252&cbir page=similar&lr=10562&rpt=imageview&url=https%

Challenge 12: seems antilia (Mumbai) and biowonder (Kolkata)



Challenge 13:

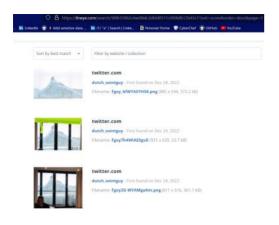


Using Google lens focusing on two unique buildings, I got a medium article where same image was given as challenge. <a href="https://samanthactf.medium.com/downunderctf-2021-24-26-sept-86d12bafcdb6">https://samanthactf.medium.com/downunderctf-2021-24-26-sept-86d12bafcdb6</a>

Challenge 14:



Google reverse searching didn't work. Although I could remove the window and then search for the monument but I was lazy. Searched on tineye and got the results



Checked the dutch\_osintguy twitter but it seems he has removed it.

The first image on reverse searching reveals the monument name: National Library of Latvia, city = Riga.