CZ4067 CTF Web Challenges

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Introduction

These are a series of Web Challenges to practice your web application exploitation techniques. These challenges do not cover the entire CZ4067 web hacking curriculum, but aim to expose you to basic web exploitation techniques.

Useful Optional Tools:

- Burp Suite
- Web Browser Extensions to Edit Cookies
- CyberChef

Stating other specific tools that will be used in the challenges may give the challenge solution away.

Rules

- No challenge requires brute force on the server (Please do not DDoS the Server)

- Once again, please do NOT use any brute force tools such as `sqlmap`, `gobuster` etc.

- If any challenge is down, please contact the challenge administrator

- Try your best to complete the challenges yourselves before looking at the hints.

- Hints provided below are ROT-13 Encrypted, and only use them if you are stuck/lost.

- Flags only take the format CZ4067{ ... }

Good Luck and Have Fun!

Challenges

First Dose

Difficulty: Warmup

Challenge Server

http://13.250.108.141:5001/

Description

Vaccines seem to be the talk of the town. Find the correct 'vaccine' and get the flag!

Hint 1

Gur fbhepr pbqr ybbxf fhfcvpvbhf

Hint 2

Nffhzvat lbh'er ng gur ybtva cbegny, jung ner fbzr pbzzba vawrpgvba grpuavdhrf gb olcnff nhguragvpngvba?

Hint 3

FDY Vawrpgvba jvyy qb gur gevpx!

Second Dose

Difficulty: Easy

Challenge Server

http://13.250.108.141:5002/

Description

Looks like this problem is back for a SeQueL. This time, not all vaccines are effective. Can you find the correct 'vaccine'?

Hint 1

Ubj vf gur nccyvpngvba erzbivat vyyrtny punenpgref?

Hint 2

Gurer ner znal jnlf gb vzcyrzrag n oynpxyvfg. Guvf oynpxyvfg ybbxf ng gur vachg fgevat, naq erzbirf gur svefg bppherapr bs na vyyrtny punenpgre!

Booster Dose

Difficulty: Medium

Challenge Server

http://13.250.108.141:5000/

Description

The portal admins claim to have finally fixed their login portal. Find a way to break in!

Hint 1

Vs lbh 'havgr' gur erpbeqf, lbh zvtug svaq fbzr uvqqra qrgnvyf. Lbh pna qb guvf jvgu 'havba' fgngrzragf.

Hint 2

Vf gung ernyyl n cnffjbeq? Be whfg na hafnygrq unfuoebja?

Hint 3

Fbzr ZQ5 unfurf ner ihyarenoyr gb unfu pbyyvfvba nggnpxf.

Token Machine

Difficulty: Easy

Challenge Server

http://13.250.108.141:5003/

Description

This machine seems to produce many different tokens. Can you get the right token?

Hint 1

Nyjnlf or jnel bs gur pbbxvr zbafgre.

Hint 2

Ynfg V urneq, nalguvat fgnegvat jvgu UF vf abg irel frpher.

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