

CTF collection Vol.1



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Sharpening up your CTF skill with the collection. The first volume is designed for beginner.

[Task 1] Author note

Just another random CTF room created by me. Well, the main objective of the room is to test your CTF skills. For your information, vol.1 consists of 20 tasks and all the challenges are extremely easy. Stay calm and Capture the flag. :)

Note: All the challenges flag are formatted as THM{flag}, unless stated otherwise

[Task 2] What does the base said?

Can you decode the following?

VEhNe2p1NTdfZDNjMGQzXzdoM19iNDUzfQ==

THM{ju57_d3c0d3_7h3_b453}

[Task 3] Meta meta

Meta! meta! meta! meta.....



I'm hungry, I need the flag.

```
taj702@kali:~/Downloads$ exiftool Findme.jpg
```

THM{3x1f_0r_3x17}

[Task 4] Mon, are we going to be okay?

Something is hiding. That's all you need to know.



```
taj702@kali:~/Downloads$ steghide extract -sf Extinction.jpg
```

It going to be over soon. Sleep my child.

THM{500n3r_0r_l473r_17_15_0ur_7urn}

[Task 5] Erm.....Magick

Huh, where is the flag?

Did you find the flag?





THM{wh173_fl46}

[Task 6] QRrrrr

Such technology is quite reliable.



More flag please!

Decode Succeeded

click me	click me
Raw text	THM{qr_m4k3_l1f3_345y}
Raw bytes	41 65 44 84 d7 b7 17 25 f6 d3 46 b3 35 f6 c3 1663 35 f3 33 43 57 97 d0 ec 11 ec 11 ec 11 ec 11ec 11
Barcode format	QR_CODE
Parsed Result Type	TEXT
Parsed Result	THM{qr_m4k3_l1f3_345y}

[Task 7] Reverse it or read it?

Both works, it's up to you.



Found the flag?

-found flag by opening in a hex editor.

THM{345y_f1nd_345y_60}

[Task 8] Another decoding stuff

Can you decode it?

3agrSy1CewF9v8ukcSkPSYm3oKUoByUpKG4L

string is Base58 decoded

THM{17_h45_l3553r_l3773r5}

[Task 9] Left or right

Left, right, left, right... Rot 13 is too mainstream. Solve this
MAF{atbe_max_vtxltk}

Cyberchef ROT13 function, and changed amount to 7, revealing my key.

THM{hail_the_caesar}

[Task 10] Make a comment

No downloadable file, no ciphered or encoded text. Huh

I'm hungry now... I need the flag

found flag hidden in HTML code-

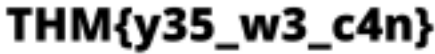
THM{4lw4y5_ch3ck_7h3_c0m3mn7}

[Task 11] Can you fix it?

I accidentally messed up with this PNG file. Can you help me fix it? Thanks, ^^

must fix header

change first byte section **23 33 44 5F 0D** to **89 50 4E 47 0D**.
produces following image:



[Task 12] Read it

THM{50c14l_4cc0un7_15_p4r7_of_051n7}

[Task 13] Spin my head

[illegible]

string is BRAINFUCK cipher:

THM{0h_my_h34d}

[Task 14] An exclusive!

S1: 44585d6b2368737c65252166234f20626d
S2: 10101010101010101010101010101010

used XOR calculator @ <https://toolslick.com/math/bitwise/xor-calculator>
and got -
}r0_3v15ulcx3{MHT

THM{3xclu51v3 0r}

[Task 15] Binary walk

Please exfiltrate my file :)



hell.jpg

binwalk -e hell.jpg reveals file



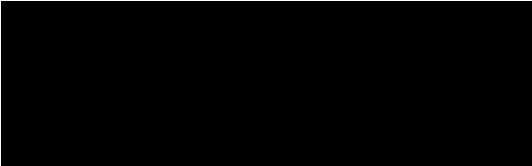
that shows flag:

Thank you for extracting me, you are the best!

THM{y0u_w4lk_m3_0u7}

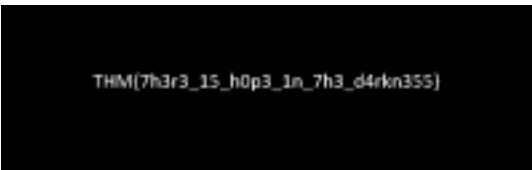
[Task 16] Darkness

There is something lurking in the dark/



What does the flag said?

- used stegsolve.jar



THM{7h3r3_15_h0p3_1n_7h3_d4rkn355}

[Task 17] A sounding QR

How good is your listening skill?

P/S: The flag formatted as THM{**Listened Flag**}, the flag should be in All CAPS



Decode Succeeded

click me	click me
Raw text	https://soundcloud.com/user-86667759/thm-ctf-vol1
Raw bytes	43 16 87 47 47 07 33 a2 f2 f7 36 f7 56 e6 46 36c6 f7 56 42 e6 36 f6 d2 f7 57 36 57 22 d3 83 6363 63 73 73 53 92 f7 46 86 d2 d6 37 46 62 d7 66f6 c3 10 ec 11 ec 11
Barcode format	QR_CODE
Parsed Result Type	URI
Parsed Result	https://soundcloud.com/user-86667759/thm-ctf-vol1

THM{SOUNDINGQR}

[Task 18] Dig up the past

Sometimes we need a 'machine' to dig the past
Targetted website: <https://www.embeddedhacker.com/>
Targetted time: 2 January 2020

Did you found my past?

used 'wayback machine' to find flag

THM{ch3ck_th3_h4ckb4ck}

[Task 19] Uncrackable!

Can you solve the following? By the way, I lost the key. Sorry >.<

MYKAHODTQ{RVG_YVGGK_FAL_WXF}
Flag format: TRYHACKME{FLAG IN ALL CAP}

The deciphered text:
found with viginere cipher on dcode.fr

click me	click me
THM	TRYHACKME{YOU_FOUND_THE_KEY}

TRYHACKME{YOU_FOUND_THE_KEY}

[Task 20] Small bases

Decode the following text.

581695969015253365094191591547859387620042736036246486373595515576333693

step 1) dec to hex

step 2) hex to ascii

THM{17_ju57_4n_0rd1n4ry_b4535}

[Task 21] Read the packet

I just hacked my neighbors WiFi and try to capture some packet. He must be up to no good. Help me find it.

Did you capture my neighbors flag?



0000	54 48 4d 7b 64 30 5f 6e 30 37 5f 35 37 34 6c 6b	THM{d0_n07_574lk
0010	5f 6d 33 7d 0a 0a 46 6f 75 6e 64 20 6d 65 21 0a	_m3}..Found me!.

THM{d0_n07_574lk_m3}