

Forensics Challenges

Took the Byte

IhSanSencan

www.ihsan.net

<https://www.hackthebox.eu/profile/100992>

🏆 [20 Points] Took the Byte [by CharlesTruluck] [195 solvers] 60 👍 13 🗲 Difficulty:

🔥 First Blood: mprox

Someone took my bytes! Can you recover my password for me?

📄 Download

Zip Password: hackthebox sha256: ee86f6c49a6c7e8adc09f03efd21825e3d4b5e5058e733e5cc3c9f69826c59a4

✅ Complete

```
root@ihsan: /Took the Byte
Dosya Düzenle Görünüm Ara Uçbirim Yardım

[ASCII ART]

root@ihsan:/Took the Byte# ls
password
root@ihsan:/Took the Byte# hexdump -e '16/1 "%02x " "\n" password
af b4 fc fb eb ff f7 ff f7 ff 28 63 aa b1 ff ff
ff ff ff ff ff ff ff ff ff f3 ff ef ff 8f 9e
8c 8c 88 90 8d 9b d1 8b 87 8b aa a7 f3 ff 24 bb
90 a3 6a bb 90 a3 0a fe eb ff 0c f7 8e 55 c9 cd
88 33 8d 8c 36 d1 33 cb d3 08 55 1a fd ff af b4
f8 f7 b2 37 01 c1 eb ff ff ff ed ff ff ff af b4
fe fd ea fc eb ff f7 ff f7 ff 28 63 aa b1 b2 37
01 c1 eb ff ff ff ed ff ff ff f3 ff f3 ff ff ff
ff ff ff ff ff bf 5b 7e ff ff ff ff 8f 9e 8c 8c
88 90 8d 9b d1 8b 87 8b aa a7 f7 ff 24 bb 90 a3
6a bb 90 a3 af b4 fa f9 ff ff ff ff fe ff fe ff
b9 ff ff ff a1 ff ff ff ff ff
root@ihsan:/Took the Byte#
```

<https://cryptii.com/pipes/bitwise-calculator>

The screenshot shows the Bitwise Calculator interface with three main sections: VIEW, ENCODE/DECODE, and another VIEW. The first VIEW section is set to 'Bytes' and 'Hexadecimal' format, displaying a list of 186 bytes. The ENCODE/DECODE section is set to 'Bitwise operation' and 'NOT ~a'. The second VIEW section is also set to 'Bytes' and 'Hexadecimal' format, displaying the resulting 186 bytes. The output is a list of 186 bytes in hexadecimal format.

Output:

```
50 4b 03 04 14 00 08 00 08 00 d7 9c 55 4e 00 00 00 00 00 00 00 00 00 00 00 00 0c 00 10 00 70 61 73
73 77 6f 72 64 2e 74 78 74 55 58 0c 00 db 44 6f 5c 95 44 6f 5c f5 01 14 00 f3 08 71 aa 36 32 77 cc 72
73 c9 2e cc 34 2c f7 aa e5 02 00 50 4b 07 08 4d c8 fe 3e 14 00 00 00 12 00 00 00 50 4b 01 02 15 03
14 00 08 00 08 00 d7 9c 55 4e 4d c8 fe 3e 14 00 00 00 12 00 00 00 0c 00 0c 00 00 00 00 00 00 00
40 a4 81 00 00 00 00 70 61 73 73 77 6f 72 64 2e 74 78 74 55 58 08 00 db 44 6f 5c 95 44 6f 5c 50 4b
05 06 00 00 00 00 01 00 01 00 46 00 00 00 5e 00 00 00 00 00
```

```
root@ihnsan: /Took the Byte
Dosya Düzenle Görünüm Ara Uçbirim Yardım

root@ihnsan:/Took the Byte# echo 50 4b 03 04 14 00 08 00 08 00 d7 9c 55 4e 00 00
00 00 00 00 00 00 00 00 00 00 00 00 0c 00 10 00 70 61 73 73 77 6f 72 64 2e 74 78 74 55
58 0c 00 db 44 6f 5c 95 44 6f 5c f5 01 14 00 f3 08 71 aa 36 32 77 cc 72 73 c9 2
e cc 34 2c f7 aa e5 02 00 50 4b 07 08 4d c8 fe 3e 14 00 00 00 12 00 00 00 50 4b
01 02 15 03 14 00 08 00 08 00 d7 9c 55 4e 4d c8 fe 3e 14 00 00 00 12 00 00 00 0c
00 0c 00 00 00 00 00 00 00 00 00 00 40 a4 81 00 00 00 00 70 61 73 73 77 6f 72 64 2e 7
4 78 74 55 58 08 00 db 44 6f 5c 95 44 6f 5c 50 4b 05 06 00 00 00 00 01 00 01 00
46 00 00 00 5e 00 00 00 00 | xxd -r -p > Took_The_Byte.zip
root@ihnsan:/Took the Byte# ls
password Took_The_Byte.zip
root@ihnsan:/Took the Byte# unzip Took_The_Byte.zip
Archive: Took_The_Byte.zip
  inflating: password.txt
root@ihnsan:/Took the Byte# ls
password password.txt Took_The_Byte.zip
root@ihnsan:/Took the Byte# cat password.txt
HTB{27AjFDkqilwJ}
root@ihnsan:/Took the Byte#
```