

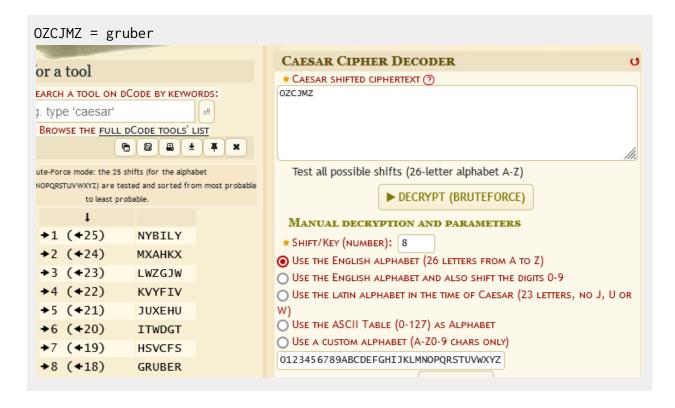
Module 10 Challenge Submission File

Cryptography Challenge: Ransomware Riddles

Make a copy of this document to work in, and then for each mission, add the solution below the prompt. Save and submit this completed file as your Challenge deliverable.

Ransomware Riddles

1. Riddle 1:

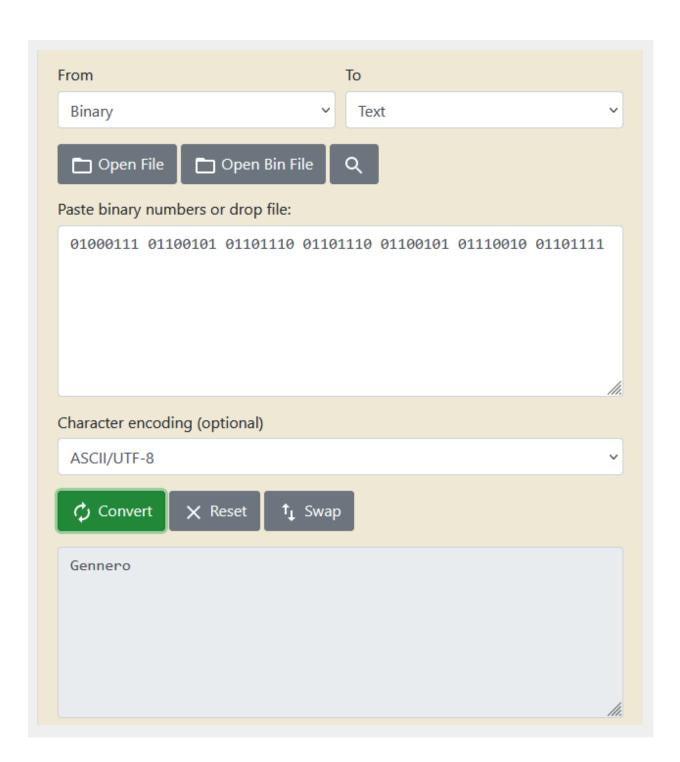


Riddle 1

Congrats, you have solved the first riddle, Your first key is: 6skd8s

Key: 6skd8s

2. Riddle 2:



RIDDLE 2

is: cy8snd2

Congrats for solving the second riddle, the key

Submit another response

Key: cy8snd2

3. Riddle 3:

(kali® kali)-[~/Desktop]
\$ echo 4qMOIvwEGXzvkMvRE2bNbg= > Riddle3.txt

(kali® kali)-[~/Desktop]
\$ openssl enc -pbkdf2 -nosalt -aes-256-cbc -d -in Riddle3.txt -base64 -K 52
84A3B154D99487D9D8D8508461A478C7BEB67081A64AD9A15147906E8E8564 -iv 1907C5E255
F7FC9A6B47B0E789847AED
takagi

RIDDLE 3

Congrats on Solving Riddle number 3, here is your key: ud6s98n

Submit another response

Key: ud6s98n

- 4. Riddle 4:
- 1. Jills Public Key
- 2. Jills Private Key
- 3. 12 Asymmetric and 15 Symmetric
- 4. Alices Public Key

RIDDLE 4

Congrats! The Key is: 7gsn3nd2

Key: 7gsn3nd2

5. Riddle 5:

```
(kali® kali)-[~/Desktop]
$ echo 3b75cdd826a16f5bba0076690f644dc7 > Riddle5.txt

(kali® kali)-[~/Desktop]
$ hashcat -m 0 -a 0 -o Riddle5solved.txt Riddle5.txt rockyou.txt
hashcat (v6.2.6) starting

Started: Sun Nov 12 09:18:30 2023
Stopped: Sun Nov 12 09:18:35 2023

(kali® kali)-[~/Desktop]
$ cat Riddle5solved.txt
3b75cdd826a16f5bba0076690f644dc7:argyle

RIDDLE 5

Congrats on solving Riddle number 5, Here is your key:
ajy39d2
Key: ajy39d2
```

6. Riddle 6:

```
(kali⊕ kali)-[~/Desktop]
$ steghide extract -sf mary-lamb.jpg
Enter passphrase:
wrote extracted data to "code_is_inside_this_file.txt".

(kali⊕ kali)-[~/Desktop]
$ cat code_is_inside_this_file.txt
mcclane
```

Passphrase was ABC which was on the book

Code: mcclane

RIDDLE 6

Congrats on solving Riddle number 6, they key is: 7skahd6. Now go and enter in all of your keys into the Ransomware decrypter!!

Key:7skahd6

Ransomware Screenshot

1. Include a screenshot showing proof that you've decrypted the ransomware:

Riddle 1 Key * 6skd8s	
Riddle 2 Key * cy8snd2	
Riddle 3 Key * ud6s98n	
Riddle 4 Key * 7gsn3nd2	
Riddle 5 Key * ajy39d2	
Riddle 6 Key * 7skahd6	

RANSOMWARE DECRYPTER

Congratulations! You have decrypted the Ransomware! All the Nakatomi Hospital Records are now Decrypted! Please take a screenshot of this message and submit as your homework!

Submit another response

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