

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:

gruber

Key: 6skd8s

I just moved each letter of ozcjmz 8 steps backwards to get the answer

2. Riddle 2:

Gennero

Key: cy8snd2

I just copied and pasted the binary numbers to this website

https://www.rapidtables.com/convert/number/binary-to-ascii.html and it gave

me the answer

3. Riddle 3:

takagi

Key: ud6s98n

Made a file in the desktop then did nano ciphertext.enc and put in this 4qMOIvwEGXzvkMvRE2bNbg== then ran this openssl enc -pbkdf2 -nosalt -aes-256-cbc -in ciphertext.enc -d -base64 -K

5284A3B154D99487D9D8D8508461A478C7BEB67081A64AD9A15147906E8E8564 -iv 1907C5E255F7FC9A6B47B0E789847AED and got takagi

4 Riddle 4:

Key: 7gsn3nd2

- Jill's Public Key
- Jill's Private Key
- 12 Asymmetric and 15S Symmetric
- Alice's Public Key

5. Riddle 5:

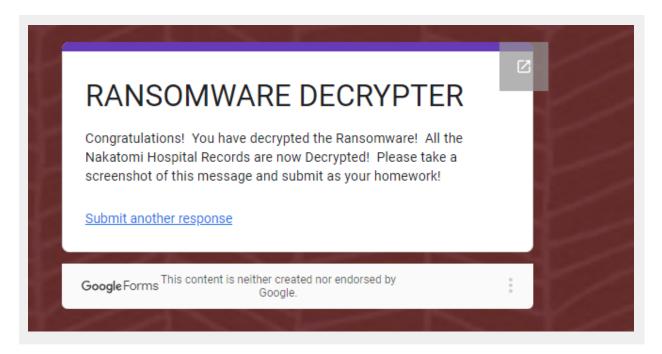
```
argyle
Key: ajy39d2
I did the following steps to get the argyle
touch hash1.txt
ls
echo 3b75cdd826a16f5bba0076690f644dc7 > hash1.txt
cat hash1.txt (just to make sure it's there)
hashcat -m 0 -a 0 -o gotthehash.txt hash1.txt
/usr/share/wordlists/rockyou.txt --force
cat gotthehash.txt
Which got me 3b75cdd826a16f5bba0076690f644dc7:argyle
```

6. Riddle 6:

```
mcclane
Key: 7skahd6
Downloaded the picture to my computer
Opened my VM and dragged and dropped the pic
cd Desktop
ls
steghide extract -sf mary-lamb.jpg
passphrase : ABC
Which gave me this wrote extracted data to "code_is_inside_this_file.txt".
Then did this cat code_is_inside_this_file.txt
And got mcclane
```

Ransomware Screenshot

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



© 2022 Trilogy Education Services, a 2U, Inc. brand. All Rights Reserved.