# Krypton

#### Level 0 - 1

# **Step 1: Accessing the Krypton Wargame Portal**

• **Tool Used:** Web Browser

• Action Taken:

Opened the URL: <a href="https://overthewire.org/wargames/krypton/">https://overthewire.org/wargames/krypton/</a>

## **Explanation:**

- o This URL points to the official OverTheWire Krypton wargame portal.
- o It provides:
  - Introduction to the Krypton series.
  - Instructions on how to start Level 0.
  - SSH login details including username and port.

## **Purpose:**

• To understand the challenge and prepare for logging into Level 0.



## **Step 2: Decoding the Password Using CyberChef**

- Tool Used: CyberChef (Online Tool)
- Action Taken:

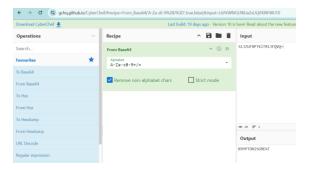
Used the "From Base64" operation in CyberChef.

- Explanation:
  - The Level 0 challenge presented a string that was Base64 encoded.
  - Base64 is a common encoding method that converts binary data into ASCII text.
  - o In CyberChef:
    - Pasted the encoded string.
    - Selected the "From Base64" operation.

 Successfully decoded the string to reveal the plaintext password for Level 1.

## **Purpose:**

• To obtain the login password for connecting to Krypton1.



Step 3: SSH Login into Krypton1 Using Kali Linux

• Tool Used: Kali Linux Terminal (SSH Client)

Command Executed: ssh -p 2231
 krypton1@krypton.labs.overthewire.org

## **Explanation:**

- o Used the decoded password from CyberChef to log in.
- o Connected to the remote server over port 2231 using SSH.
- o Logged into the krypton1 account to begin Level 1.

## **Purpose:**

• To access the Krypton1 server and proceed with the next level of the wargame.



Level 1 → Level 2

## **Step 1: Accessing Level 1 Instructions in Browser**

• Tool Used: Web Browser

• Action Taken: Opened the URLs:

https://overthewire.org/wargames/krypton/krypton1.html

#### **Explanation:**

- o These pages contained:
  - Specific guidance for solving **Level 1**.
  - Details about the type of encryption used in the challenge.
- o The information hinted that the text was encoded using a **simple cipher**.

## **Purpose:**

• To understand the context of the encryption method used in Level 1 and gather hints before proceeding.



# **Step 2: Exploring Files on the Krypton1 Server**

• Tool Used: Kali Linux Terminal

Commands Executed: cd /krypton/krypton1

: Is

: cat README: cat krypton2

## **Explanation:**

- Navigated to the /krypton/krypton1 directory where challenge files were stored.
- Listed available files using ls.
- Read the README file, which provided hints about the encryption type.
- Displayed the contents of the krypton2 file, which contained the encrypted text needed to solve the level.

#### **Observation:**

 The encryption used was identified as ROT13 based on the README hints.



## Step 3: Decoding the Encrypted Text Using CyberChef

- Tool Used: CyberChef (Online Tool)
- Action Taken:
  Applied the "ROT13" operation on the encrypted text.
- Explanation:
  - o ROT13 (Rotate by 13 places) is a simple letter substitution cipher.
  - o In CyberChef:
    - Pasted the ciphertext from krypton2.
    - Selected the "ROT13" operation.
    - Successfully decoded the text to reveal the password for Krypton2.

## **Purpose:**

• To obtain the next level's password by decoding the ROT13 ciphered text.



Level 2 → Level 3

## **Step 1: Accessing Level 2 Instructions in Browser**

• Tool Used: Web Browser

• Action Taken:

Opened the URL =

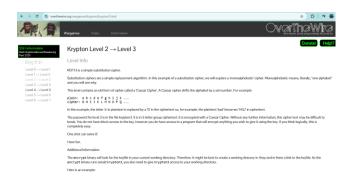
https://overthewire.org/wargames/krypton/krypton2.html

## **Explanation:**

- o This page provided:
  - Hints related to the encryption method used in Level 2.
  - Instructions suggesting that some binary encryption mechanism might be involved.

## **Purpose:**

• To understand the encryption challenge setup for Level 2.



## **Step 2: SSH Login into Krypton2**

- Tool Used: Kali Linux Terminal (SSH Client)
- Command Executed: ssh -p 2231
   krypton2@krypton.labs.overthewire.org
- Password Used: ROTTEN (obtained from previous level)
- Explanation:
  - o Connected to the Krypton2 server using the decoded password.
  - o SSH used port 2231 as specified.

#### **Purpose:**

• To gain access to the environment for solving Level 2.



# **Step 3: Navigating to Challenge Directory and Reading Files**

• Tool Used: Kali Linux Terminal

Commands Executed= cd /krypton/krypton2

= ls

= cat README

## **Explanation:**

- Changed into the /krypton/krypton2 directory.
- Listed all files to find challenge-related materials.
- Read the README file to understand the task.
- Observed that there was a binary called encrypt and a data file called keyfile.dat.

# **Step 4: Creating a Temporary Directory and Simulating Encryption**

• Tool Used: Kali Linux Terminal

• Commands Executed:

- = mktemp -d
- = cd /tmp/tmp.Wf20nCpCDQ
- = In -s /krypton/krypton2/keyfile.dat
- = Is
- = chmod 777.
- = /krypton/krypton2/encrypt /etc/issue
- = 19
- = cat krypton3

## **Explanation:**

- Created a temporary working directory using mktemp.
- Linked the keyfile.dat file into the temp directory using In -s.
- Changed permissions to allow full access using chmod 777.
- Used the encrypt binary to encrypt /etc/issue.
- o After encryption, found a file containing the ciphertext (krypton3).

## **Purpose:**

To simulate the encryption environment and obtain data for decryption.

# **Step 5: Getting the Ciphertext Again**

- Tool Used: Kali Linux Terminal
- Commands Executed:
  - = mktemp -d
  - = cd /tmp/tmp.309IVIOQps
  - = In -s /krypton/krypton2/keyfile.dat
  - = Is
  - = chmod 777.
  - = /krypton/krypton2/encrypt /etc/issue

= Is

= cat ciphertext

## **Explanation:**

- Repeated the encryption simulation in a new temporary directory.
- Retrieved fresh ciphertext output for further analysis.
- Prepared the ciphertext needed for online decryption tools.



#### **Step 6: Decrypting Ciphertext Using Cryptii**

- Tool Used: Web Browser + Cryptii (Online Cipher Tool)
- Action Taken:
  - o Pasted the ciphertext into
  - o https://cryptii.com/pipes/caesar-cipher
- Explanation:
  - Used the Caesar Cipher Decryption Tool at Cryptii.
  - o Adjusted the settings to try all possible rotations.
  - Successfully found the correct decryption that revealed the password for Krypton3.

## **Purpose:**

• To decode the ciphertext and retrieve the password needed to move to the next level.



Level 3 → Level 4

# **Step 1: Accessing Level 3 Instructions in Browser**

• Tool Used: Web Browser

• Action Taken: Opened the URL:

https://overthewire.org/wargames/krypton/krypton3.html

## **Explanation:**

- o The webpage provided:
  - Hints that the encryption might involve a substitution cipher.
  - Suggested that frequency analysis would be useful to solve the level.

## **Purpose:**

• To understand the goal and strategy needed for Krypton Level 3.



# **Step 2: SSH Login into Krypton3**

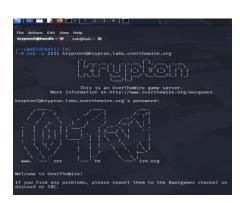
- Tool Used: Kali Linux Terminal (SSH Client)
- Command Executed: ssh -p 2231 krypton3@krypton.labs.overthewire.org

## **Explanation:**

- Logged into the Krypton3 user account using the password obtained from the previous level.
- o Connected over SSH on port 2231.

#### **Purpose:**

• To access the environment where Level 3 challenge files were located.



# **Step 3: Navigating to Challenge Directory and Listing Files**

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cd /krypton/krypton3

= Is

= cat README

## **Explanation:**

- Changed into the /krypton/krypton3 directory.
- Listed the files and found important ones including README.
- Reading the README hinted that some classic cryptographic technique (frequency analysis) would help.



# **Step 4: Exploring Important Files**

• **Tool Used:** Kali Linux Terminal

• Commands Executed:

= cat found1

= cat found2

## **Explanation:**

- o Displayed the contents of found1 and found2.
- These files contained encrypted text, likely using a monoalphabetic substitution cipher.

## **Purpose:**

• To collect the ciphertext needed for decryption.



**Step 5: Performing Frequency Analysis** 

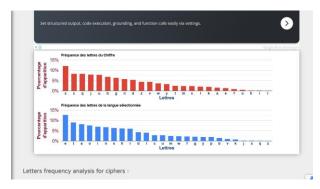
• **Tool Used:** Manual Frequency Analysis / Decryption Tools

#### Action Taken:

- Observed letter frequencies in found2.
- Identified the most commonly appearing letters and guessed their substitutions based on typical English language frequency (e.g., E, T, A, O are common in English).

## **Purpose:**

• To begin cracking the substitution cipher systematically.



# **Step 6: Viewing the Final Ciphered Password**

• Tool Used: Kali Linux Terminal

Command Executed: cat krypton4

#### **Explanation:**

o Displayed the contents of krypton4.

• The file contained another encrypted text related to the password needed for the next level.

## **Purpose:**

• To gather additional cipher material for full decryption.

## **Step 7: Decrypting the Ciphertext Using Quipqiup**

• **Tool Used:** Web Browser + Quipqiup (Online Substitution Cipher Solver)

#### Action Taken:

- o Opened: <a href="https://quipqiup.com/">https://quipqiup.com/</a>
- o Pasted the content from found2.
- o Used Quipqiup to automatically solve the monoalphabetic substitution cipher.

## **Purpose:**

• To obtain the partially decrypted text, including important keyword mappings.

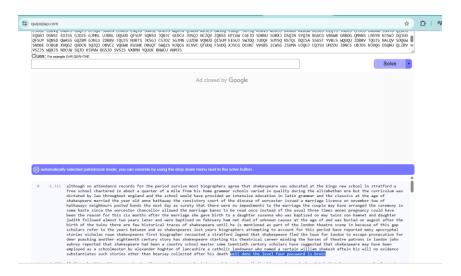


## **Step 8: Final Decryption to Obtain the Password**

- Action Taken:
  - o Appended and decrypted the final krypton4 file contents.
  - Carefully adjusted the decryption mapping to fully reveal the password.

## **Purpose:**

To extract the password required to move to Krypton Level 4.



Level 4 → Level 5

# **Step 1: Accessing Level 4 Instructions in Browser**

• **Tool Used:** Web Browser

• Action Taken: Opened the URL:

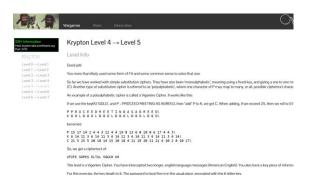
https://overthewire.org/wargames/krypton/krypton4.html

#### **Explanation:**

- The page provided hints suggesting that the encryption method involved the **Vigenère cipher**, a more complex polyalphabetic cipher.
- Resources like Wikipedia were recommended to better understand how Vigenère ciphers work.

#### **Purpose:**

• To prepare for decrypting the text by understanding the cipher mechanism.



# Step 2: SSH Login into Krypton4

- Tool Used: Kali Linux Terminal (SSH Client)
- Command Executed: ssh -p 2231 krypton4@krypton.labs.overthewire.org

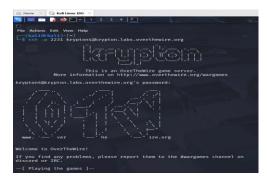
• Password Used: BRUTE

## **Explanation:**

- Logged into the Krypton4 user account using the password obtained from the previous level.
- o Accessed over SSH port 2231.

## **Purpose:**

• To access Level 4 challenge files and attempt decryption.



## **Step 3: Identifying Encryption Type from README**

• Tool Used: Kali Linux Terminal

Command Executed: cat README

## **Explanation:**

- Read the README file inside the challenge directory.
- o Confirmed that the challenge involved a **Vigenère cipher**.

#### **Purpose:**

• To confirm the encryption method before attempting decryption.



**Step 4: Exploring Directory Files** 

- Tool Used: Kali Linux Terminal
- Commands Executed:

= Is

= cd /krypton/krypton4

= Is

= cat found1

= cat krypton5

## **Explanation:**

- Navigated into the /krypton/krypton4 directory.
- Listed available files including found1 and krypton5.
- Displayed contents:
  - found1 contained ciphertext encrypted using the Vigenère cipher.
  - krypton5 likely held additional encoded information for the next level.



# Step 5: Decrypting Vigenère Cipher Using Dcode

- **Tool Used:** Web Browser + Dcode (Vigenère Cipher Solver)
- Action Taken:
  - Opened: https://www.dcode.fr/vigenere-cipher

•

- o Pasted the ciphertext from found1.
- o Edited settings to guess a key length of **6 characters** (based on hints).
- Clicked "DECRYPT" to automatically attempt decoding.

#### **Purpose:**

• To recover the plaintext and identify the hidden password.



## **Step 6: Getting Possible Key Candidates**

• Tool Used: Dcode Vigenère Cipher Tool

## Explanation:

- After setting the key length correctly, the tool output two possible
   6-character keys.
- These candidate keys were tested to reveal readable English text.

## **Purpose:**

 To narrow down the correct decryption key used for encrypting the challenge text.

```
THEGI RLTHA TWILL BEEAS YREPL
                                                                          SKIDT HECCA RECBO WFORG EMEAN
             TEDTH EMANE ORWHE NSHEK NOWSY
             OUARE INTHE COUNT RYOFT HEWIN
KIESS HEWIL LFIND YOUAN DMAKE
YOUAL LHERS LAVES PERHA PSNOT
                                                                          DODES TBOYH ERYHT HATSS DIFFO
                                                                          RENTS KIDTH EOUAR DIKNO FTHOG
                                                                          ATESX OONEH KSEVE RNEST ROTED
             SAIDT HESCA RECRO WFORW EMEAN
TODES TROYH EROHT HATIS DIFFE
RENTS AIDTH EGUAR DIANO FTHEG
                                                                          HERLE FOREC OINAT ERALL YDHOU
                                                                          GHDSH EWOEL DMAKO SLAVE COFYO
             ATESN OONEH ASEVE RDEST ROYED
                                                                          UKSSH EHKSO FTHOR ESTBE TTAKE
             HERBE FORES OINAT URALL YTHOU
GHTSH EWOUL DMAKE SLAVE SOFYO
UASSH EHASO FTHER ESTBU TTAKE
                                                                          MAREE OBSHE ISGIC KEDKN DETER
                                                                          CEAND WAYNO TKLLO WYYUT ODECT
             CAREF ORSHE ISWIC KEDAN DFIER
CEAND MAYNO TALLO WYOUT ODEST
ROYHE RKEEP TOTHE WESTW HERET
HESUN SETSA NDYOU CANNO TFAIL
                                                                          ROYHO RKEEP DOTHE WOSTW HEBET
FREKEY
                                                                          HESEN SETSK NDYOU MANNO TPAIL
                                                                          TOPIN DHEBT HEYTR ANKED RIMAN
             TOFIN DHERT HEYTH ANKED HIMAN
                                                                          DLADE HIWGO ODBIE ANDTE RNEDT
             DBADE HIMGO ODBYE ANDTU RNEDT
OWARD THEWE STWAL KINGO VERFI
ELDSO FSOFT GRASS DOTTE DHERE
                                                                          YWARD TREWE STGAL KINOO VERFS
                                                                          ELDSO PSOFT GBASS DODTE DHEBE
             ANDTH EREWI THDAI SIESA NDBUT
                                                                          ANDTR FREWT DHDAT SSESA NDLUT
                                                                          TERMU PSDOB OTHYS DILLW OBETH
```

# Step 7: Final Password Retrieval Using Fool's Online Decryptor

- **Tool Used:** Web Browser + Fool's Vigenère Decryptor
- Action Taken:
  - Opened: https://f00l.de/hacking/vigenere.php

 $\circ \quad \text{Pasted the encrypted text.}$ 

 Used one of the identified keys to successfully decrypt and reveal the password for Krypton5.

## **Purpose:**

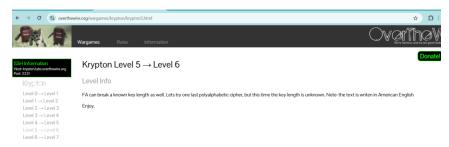
To fully decrypt the text and acquire the password needed for advancing to Level 5.

VIGENERE - ONLINE VIGENERE ANALYSI	S AND CRACKING
breaking a vigenere cipher. First step will be calculation or guessing the key length your text has bee the key cannot be cracked correctly, you may try to use some known plain text attacks. In the er	
Cjulentest scrav 4264	Analyze eigher text to calculate key length.
Key length: 0	Try to crack key based on key length.
Key: (Indexy	Decrypt cipher text using key. decrypt

Level 5 → Level 6

## **Step 1: Accessing Level 5 Instructions in Browser**

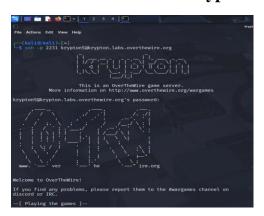
- Tool Used: Web Browser
- Action Taken:
  - Opened the URL: https://overthewire.org/wargames/krypton/krypton5.html
- Explanation:
  - The webpage gave hints that the encryption is a simple substitution cipher — most likely a Caesar Cipher.
- Purpose:
  - To understand the type of encryption used and prepare for solving the challenge.

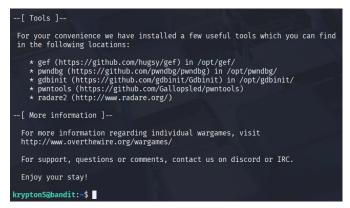


## **Step 2: SSH Login into Krypton5**

• Tool Used: Kali Linux Terminal (SSH Client)

- Command Executed: ssh -p 2231 krypton5@krypton.labs.overthewire.org
- Password Used: CLEARTEXT (from previous level)
- Explanation:
  - Connected to the Krypton5 server on port 2231 using SSH.
- Purpose:
  - To access Krypton5 and retrieve the encrypted files.





Step 3: Navigating to Challenge Directory and Reading Files

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cd /krypton/krypton5

= ls

= cat README

- Explanation:
  - Moved into the /krypton/krypton5 directory.
  - Listed the contents.
  - Read the README, which gave more hints about the encryption approach.
- Purpose:
  - To gather background information about the encryption mechanism.

```
krypton5@bandit:-$ cd /krypton/krypton5
krypton5@bandit:/krypton/krypton5$ ls
found1 found2 found3 krypton6 README
krypton5@bandit:/krypton/krypton5$ cat README
Frequency analysis can break a known key length as well. Lets try one
last polyalphabetic cipher, but this time the key length is unknown.
Enjoy.
```

**Step 4: Viewing and Analyzing the Encrypted Text** 

- Tool Used: Kali Linux Terminal + Web Browser
- Commands Executed: cat found1
- Action Taken:
  - o Copied the ciphertext from the found1 file.
  - o Opened the website: <a href="https://www.dcode.fr/caesar-cipher">https://www.dcode.fr/caesar-cipher</a>.
  - Pasted the ciphertext into Dcode's Caesar Cipher automatic decryption tool.
  - Clicked Automatic Decryption.
- Explanation:
  - Dcode automatically found the correct shift value and decrypted the text.
- Purpose:
  - To decode the ciphertext and obtain hints or the password for the next level.



**Step 5: Accessing and Reading the Final File** 

- Tool Used: Kali Linux Terminal
- Commands Executed:

= ls

= cat krypton6

- Explanation:
  - o Listed the files again.
  - Displayed the content of krypton6, which contained the final encrypted or partially encrypted password for Level 6.

## • Purpose:

o To retrieve the password file for moving forward.



## Step 6: Accessing and Reading the Final Password File

- Tool Used: Kali Linux Terminal
- Commands Executed:

= Is

= cat krypton6

## Explanation:

- Listed all files again inside the /krypton/krypton5 directory.
- Found a file named krypton6.
- Displayed the contents of krypton6, which contained either plaintext or further encrypted text.

## • Purpose:

 To retrieve the text (likely a password) required for proceeding to the next level, Krypton6.

```
krypton5@bandit:/krypton/krypton5 ls
found1 found2 found3 krypton6 README
krypton5@bandit:/krypton/krypton5 cat krypton6
BELOS Zkrypton5@bandit:/krypton/krypton5
```

## Step 7: Final Decryption to Obtain the Password

- Tool Used: Web Browser + Fool's Online Vigenère Decryptor
- Action Taken:
  - Opened the URL: <a href="https://f00l.de/hacking/vigenere.php">https://f00l.de/hacking/vigenere.php</a>.
  - Pasted the ciphertext (from krypton6) into the decryption box.

 Used the decryptor to decode the text if it was still encrypted with Vigenère cipher.

## • Explanation:

- If the content was encrypted, the Fool's online tool helped fully decrypt the hidden password.
- o Otherwise, it was just verified through the tool.

## • Purpose:

 To finally reveal the correct password needed to log into Krypton6 and move forward.



Level 6 → Level 7

## **Step 1: Accessing Level 6 Instructions in Browser**

• Tool Used: Web Browser

#### • Action Taken:

 Opened the URL: https://overthewire.org/wargames/krypton/krypton6.html

## • Explanation:

- **o** The page provided an overview of the Level 6 challenge.
- It hinted that multiple key files and bitwise operations might be involved.

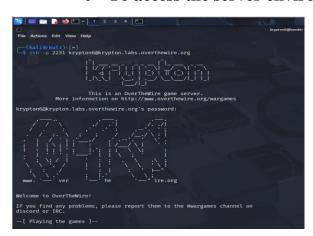
## • Purpose:

 $\circ$  To understand the challenge structure before starting.



## Step 2: SSH Login into Krypton6

- Tool Used: Kali Linux Terminal (SSH Client)
- Command Executed: ssh -p 2231 krypton6@krypton.labs.overthewire.org
- Password Used:
   RANDOM (obtained from previous level)
- Explanation:
  - Logged into the Krypton6 server via SSH over port 2231.
- Purpose:
  - o To access the server environment and available files for Level 6.



Step 3: Navigating to the Krypton6 Directory and Reading README

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cd /krypton/krypton6

= ls

= cat README

- Explanation:
  - o Changed directory to /krypton/krypton6.

- Listed available files.
- Read the README, which explained that bitwise XOR operations and keyfiles were involved.

## • Purpose:

o To understand the technical hints for solving the level.



**Step 4: Exploring Additional Hints** 

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cat HINT1

= cat HINT2

- Explanation:
  - Read HINT1 and HINT2 files.
  - These hints described details about how to use the keyfiles and the encryption process.
- Purpose:

• To get further insights necessary to build the correct decryption strategy.



**Step 5: Investigating Krypton7 Encrypted File** 

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cat krypton7

= mkdir /tmp/lev7

- Explanation:
  - Displayed the encrypted krypton7 file.
  - Created a temporary directory /tmp/lev7 for safe experimentation.
- Purpose:
  - o To prepare a workspace for linking and analyzing the encryption.



**Step 6: Setting Up Temporary Workspace with Linked Files** 

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cd /tmp/lev7

= ln -s /krypton/krypton6/keyfile00.dat

= ln -s /krypton/krypton6/krypton7

- Explanation:
  - Linked keyfile00.dat and krypton7 into the /tmp/lev7 directory using symbolic links.
- Purpose:
  - To have the necessary files in a writable and safe temporary workspace.

## Step 7: Linking Additional Keyfile and Setting Permissions

- Tool Used: Kali Linux Terminal
- Commands Executed:

= ls

= ln -s /krypton/krypton6/keyfile.dat

= chmod 777.

## • Explanation:

- Listed files to confirm links.
- Linked keyfile.dat and gave full permissions (read/write/execute) to the directory.

## • Purpose:

o To avoid any permission-related issues while processing the files.



## Step 8: Encrypting Sample File and Studying the Ciphertext

- Tool Used: Kali Linux Terminal
- Commands Executed:

= cat a.txt

= /krypton/krypton6/encrypt6 a.txt cipher.txt

= cat cipher.txt

= man xxd

## • Explanation:

- Created a plaintext a.txt.
- Used the encrypt6 binary to encrypt it into cipher.txt.
- Read the manual for xxd, a tool for visualizing binary/hex data.

#### • Purpose:

 To simulate how encryption worked and understand how plaintext was being transformed.

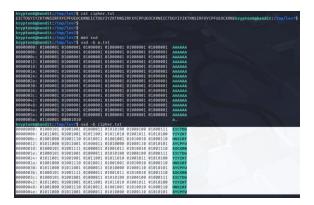
Step 9: Binary-Level Analysis Using XXD

- Tool Used: Kali Linux Terminal
- Commands Executed:
  - = xxd -b a.txt
  - = xxd -b cipher.txt
- Explanation:
  - Viewed the contents of both a.txt and cipher.txt in binary format (bit-by-bit).
- Purpose:
  - o To analyze and reverse-engineer the encryption at the bit level.



**Step 10: Reviewing Ciphertext Again** 

- Tool Used: Kali Linux Terminal
- Command Executed:
  - = cat cipher.txt
- Explanation:
  - Displayed the contents of the cipher.txt again to manually crosscheck changes after encryption.
- Purpose:
  - o To prepare correct input for the decryption script.



Step 11: Decrypting krypton7 Using Python Script

- Tool Used: Kali Linux Terminal + Python
- Command Executed:
  - = python3 main.py /krypton/krypton6/krypton7
- Result Obtained: EICTDGYIYZKTHNSIRFXYCPFUEOCKRN
- Explanation:
  - o Ran a Python script (main.py) that decrypted the encrypted file.
  - Retrieved the plaintext password for Level 7.
- Purpose:
  - To extract the final password needed to login into Krypton7.



Step 12: SSH Login into Krypton7

- Tool Used: Kali Linux Terminal (SSH Client)
- Command Executed:
  - = ssh -p 2231 krypton7@krypton.labs.overthewire.org
- Password Used: EICTDGYIYZKTHNSIRFXYCPFUEOCKRN
- Explanation:
  - Logged into Krypton7 server using the extracted password.
- Purpose:
  - To move successfully to Krypton Level 7.



## **Step 13: Exploring Krypton7 Directory and Reading README**

• Tool Used: Kali Linux Terminal

Commands Executed:

= cd /krypton/krypton7

= Is

= cat README

## • Explanation:

- Entered the /krypton/krypton7 directory.
- Listed files and read the README for instructions about the new Level 7 challenge.

## Purpose:

o To understand the next challenge setup after entering Level 7.

```
* gef (https://github.com/hugsy/gef) in /opt/gef/

* pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
* gdbinit (https://github.com/gdbinit/dbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gdblingbled/pwntools)
* radare2 (http://www.radare.org/)

--[ More information ]--

For more information regarding individual wargames, visit http://www.overthewire.org/wargames/

For support, questions or comments, contact us on discord or IRC.
Enjoy your stay!

krypton7abandit:-$ cd /krypton/krypton7
krypton7abandit:/krypton/krypton7$ ls
README
krypton7abanditions on beating Krypton!
krypton7abanditions on beating Krypton!
krypton7abandit:/krypton/krypton?$

ls
README
congratulations on beating Krypton!
krypton7abandit:/krypton/krypton?$

ls
Repropert of the first of the first f
```