

Project 0x00

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1 Problem

You have an intruder in your network who starts stealing data from your DB. All information is stored in JSON format and the attacker is transferring the data out of your network over a few days. The attacker is clever and in order to avoid detection he/she transfers the data in chunks and (in order to obfuscate the data) encrypts the data using a simple XOR encryption technique with a key of length between 5 and 9 containing only lower and upper case letters. You are able to recover a chunk of the missing data.

Task: Find the key that the attacker used to encrypt the data. Decrypt the data.

You have an example of a pair (plain text, encrypted data) in the zip file `sample.zip`