Immersion Cybersecurity (CTF)

D02: Gecko - Cell 02

Summary: On this cell, you will need to explore the purpose and functioning of hashes, as well as methods to crack them

Version: 1.0

Contents

Chapter I

Introduction

What this cell will make you see :

- Learn to understand and detect a well-known cipher.

Chapter II

General instructions

Unless explicitly specified, the following rules will apply every cell of this Immersion.

- This subject is the one and only trustworthy source. Don't trust any rumors.

- Be careful about the access rights of your files and folders.

- Your assignments will be evaluated by your Immersion peers.

- All shell assignments must run using /bin/bash.

- You must not leave in your turn-in your remote repository any files other than the ones explicitly requested by the exercise.

- You have a question? Ask your left neighbor. Otherwise, try your luck with your right neighbor.

- Every technical answer you might need is available in the man pages or on the Internet.

- Remember to use the Discord server dedicated to your Immersion.

- You must read the examples thoroughly. They can reveal requirements that are not obvious in the assignment's description.

Chapter III

Common Instructions

- The use of automated tools is forbidden unless specified in the subject.

- If no other format is specified, the flag format will be 42SP{this_is_a_test_flag}.

- Peer evaluations will assess your understanding of how to solve each challenge, so you must be able to clearly explain everything you did, and your peers must be able to understand your explanation.

- Exercises within this project follow a strict order, and you will not be able to proceed to further exercises if you have not completed the previous ones (e.g., You can't do cell01 without completing cell00).

Chapter IV

Cell 02

	Exercise : 02
	Cell 02
Turn-in directory : `gecko-cell02/`	
Files to turn in : `flag.txt`	

Another file has been discovered, but its contents alone may appear meaningless. Marvin suggests that it resembles a representation of data using a hashing algorithm. Your mission is to decipher the true meaning of this data.

```
The data: 629cf0d815ccb448a2c7a4d3d9cc3989
```

Your goal is to find the content of 'flag.txt,' indicated as 42SP{X}, where X represents the flag.

Hashcat

Chapter V

Submission and peer-evaluation

- Create a new 'gecko-cell02' folder and navigate to it. Place your 'flag.txt' file inside the folder and then push it.

Please note that during your evaluation, anything that is not present in the folder for the cell will not be checked.