



Immersion Cybersecurity (CTF)

D02: Gecko - Cell 00

Summary: In this cell, you will be introduced to one of the most commonly used encodings, along with techniques for hiding data.

Version: 1.0

Contents

I	Introduction	2
II	General instructions	3
III	Common Instructions	4
IV	Cell 00	5
V	Submission and peer-evaluation	7

Chapter I

Introduction

What this cell will help you understand:

- How to comprehend and identify ciphers, along with methods of concealing data.

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 00

	Exercise : 00
Cell 00	
Turn-in directory : <code>gecko-cell100/</code>	
Files to turn in : <code>flag.txt</code>	

You have successfully gained access to the secrets manager and discovered a wealth of information. However, it appears that the data isn't readily accessible. Marvin can provide some guidance, but the actual access to the data within the files taken from the secrets manager is up to you.

One of the files is protected with a password, and your mission is to crack it. The good news is that Marvin has identified that the password for this very file is most likely 4 digits long.

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



Cyberchef .



Check the project attachments.



The use of automated tools not created by you is not allowed in this exercise.

Chapter V

Submission and peer-evaluation

- Create a new 'gecko-cell00' 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.