**CyberBlitz 2024 Challenges (Palan)**

**a. Challenge Name**

**TaiscéalaíochtCheilte**

**b. Challenge Description**

***"Dia duit, tá Bridget anseo! An féidir leat a rá 'Dia duit'? Ciallaíonn sé 'hello' i nGaeilge! Inniu, táimid ag dul ar thóir na rudaí ceilte! An bhfuil tú réidh?"***

This challenge immerses participants in an Irish-themed exploration. The goal is to navigate through a complex directory structure to locate the hidden flag, encoded in one of the files. The use of Irish language and cultural references adds an additional layer of challenge and immersion.

**c. Solution Description**

Participants should recognize from the description that this challenge is themed around Irish culture and language. The key hint lies in the use of Irish terms, guiding participants to think about the cultural context.

As they explore, participants might encounter a flag.txt file early in the directory structure (specifically in Level 1). However, this is a decoy and does not contain the actual flag. Instead, they should continue searching for a file named bratach.txt, with "bratach" meaning "flag" in Irish.

There are multiple ways to approach solving this challenge, including programmatically or manually exploring the directory structure. A sample script has been provided within the folder to aid in solving the challenge.

The challenge is designed with a structure of 5 levels, 3 folders per level, and 5 files per folder

**d. Steps documenting the techniques, procedures, and thought processes to solve your challenge.**

Step 1:

Navigate through the TaiscéalaíochtCheilte directory, which contains multiple levels of subdirectories. Each level includes folders filled with text files, some of which may contain the encoded flag.

Step 2:

In Level 1, participants may encounter a flag.txt file. This file is a decoy and does not contain the correct flag. They should continue searching deeper into the structure.

Step 3:

The real target is the bratach.txt file, hidden in one of the lower levels. This file contains a Base64-encoded string.

Step 4:

Once you find the bratach.txt file, decode the Base64 string inside it to reveal the actual flag. You can use an online Base64 decoder or a Python script to decode the string.

Step 5:

After decoding, the flag CyberBlitz{Myster10usM00nWalks!\_Suiii} will be revealed. This is the correct flag to submit for the challenge.

Flag: **CyberBlitz{Myster10usM00nWalks!\_Suiii}**

**e. References**

* **Code to generate the directory structure: ctf\_structure.py**
* **Sample solution script: solution.py**

**For Participants:**

* Access to the TaiscéalaíochtCheilte Folder:
* Participants should only see the TaiscéalaíochtCheilte folder when they attempt the CTF. This folder will contain all the necessary levels, subfolders, and files for the challenge.

They won't have access to ctf\_structure.py or any other setup files, as those are used for creating the challenge environment, not for solving it.