

Instructions for Running Flash Drive Encryptor (GUI)

This guide explains how to set up and run the Flash Drive Encryptor GUI tool on your computer.

Requirements

- Python 3.7 or later installed on your system.
- The file 'flash_encrypt_gui.py' (GUI script).
- The file 'flash_encrypt.py' (encryption logic script) in the same folder as the GUI script.
- The Python package 'pycryptodome'.
- Tkinter (usually pre-installed on Windows and Mac; on Linux install with 'sudo apt-get install python3-tk').

Installation Steps

- 1 Open a terminal (Command Prompt on Windows, or Terminal on Linux/Mac).
- 2 Navigate to the folder containing 'flash_encrypt_gui.py' and 'flash_encrypt.py'.
- 3 Install the required dependency by running: `pip install pycryptodome`.
- 4 On Linux, if tkinter is missing, install it with: `sudo apt-get install python3-tk`.

Running the Program

- 1 In the terminal, run: `python3 flash_encrypt_gui.py`.
- 2 A window titled 'Flash Drive Encryptor (AES-GCM)' will open.
- 3 Select a target path (file or folder) to encrypt or decrypt.
- 4 Enter a passphrase of your choice.
- 5 Choose 'Encrypt' or 'Decrypt'.
- 6 Optional: tick 'Recurse into subdirectories' or 'Delete originals after operation (DANGEROUS)'.
- 7 Click 'Run' to start the process. Logs will appear in the log box.

Notes

- Keep your passphrase safe. If you forget it, encrypted files cannot be recovered.
- Be cautious with the 'Delete originals after operation' option. Files will be permanently removed.
- Ensure you have read/write permissions for the target folder or flash drive.