



Secure File Portal

Choose File No file chosen

Upload & Encrypt

Encrypted File ID:

db05f773-0f98-4a53-b216-585ac508af43

Download Encrypted File

Choose File No file chosen

Decrypt Uploaded File

⚠ Only upload encrypted (.enc) files downloaded from this portal

EXPLORER

TASKS

__pycache__

templates

index.html

uploads

env

app.py

crypto_utils.py

recovered.txt

requirements.txt

test.txt

templates > index.html > ...

1 <!DOCTYPE html>

2 <html>

3 <head>

4 <title>Secure File Portal</title>

5 <style>

6 body {

7 font-family: Arial;

8 background: #0f172a;

9 color: #e5e7eb;

10 display: flex;

11 justify-content: center;

12 align-items: center;

13 height: 100vh;

14 }

15 .box {

16 background: #111827;

17 padding: 30px;

18 border-radius: 10px;

19 width: 420px;

20 }

21 h2 {

22 text-align: center;

23 }

24 input, button {

25 width: 100%;

26 margin-top: 10px;

27 padding: 10px;

28 }

29 button {

30 border: none;

31 font-weight: bold;

32 cursor: pointer;

33 }

34 .encrypt {

35 background: #22c55e;

36 }

37 .download {

38 background: #3b82f6;

39 }

40 .error {

41 color: #f87171;

app.py > ...

1 import os

2 import uuid

3 import io

4

5 from flask import Flask, request, send_file, abort, render_template

6 from dotenv import load_dotenv

7 from crypto_utils import encrypt_file, decrypt_file

8

9 # =====

10 # Load AES key

11 # =====

12 load_dotenv()

13

14 AES_SECRET = os.getenv("AES_SECRET")

15 if not AES_SECRET:

16 | raise ValueError("AES_SECRET not set")

17

18 AES_KEY = AES_SECRET.encode()

19

20 # =====

21 # Paths

22 # =====

23 BASE_DIR = os.path.dirname(os.path.abspath(__file__))

24 UPLOAD_DIR = os.path.join(BASE_DIR, "uploads")

25 os.makedirs(UPLOAD_DIR, exist_ok=True)

26

27 # =====

28 # Flask app

29 # =====

30 app = Flask(__name__)

31

32 # =====

33 # Homepage

34 # =====

35 @app.route("/")

36 def index():

37 | return render_template("index.html")

38

39 # =====

40 # Encrypt & Upload

41 # =====

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on http://127.0.0.1:5000

Press CTRL+C to quit

* Restarting with stat

* Debugger is active!

* Debugger PIN: 782-746-578

Python 3.11.0 (tags/v3.11.0:0c59bd4, Apr 11, 2023)

+ v ... | X

powershell

python

powershell