



Sample Output:

Ethical Keylogger – Secure Monitoring Tool

The following screenshots showcase actual, consent-based outputs from the **Ethical Keylogger** during a controlled test on a Kali Linux environment. These outputs illustrate how the tool securely logs system activities, encrypts data, and transmits forensic reports via email.

Encrypted Keystroke Report

Each keylogger session generates a structured report containing:

- **SHA-256 hash** to validate the integrity of the logged session.
- **AES-encrypted keystroke data** using cryptography.fernet, ensuring end-to-end confidentiality.
- Auto-dispatched via SMTP to the configured recipient.

This guarantees secure handling of sensitive log data even across untrusted networks.

Screenshot Evidence (Automatic Attachments)

The keylogger silently captures high-resolution screenshots at configured intervals, attaching them to each email report. These screenshots assist in:

- Visual forensics (active window inspection)
- Timeline reconstruction
- Demonstrations in ethical hacking classes

All images are scanned by Gmail and securely transmitted via TLS.

System Metadata Summary

Each session begins with a structured system metadata block that includes:

- **Username** of the target machine
- **Timestamp** of execution
- **Public & Private IP addresses**

```
(venv)hal@hal:/ethical-keylogger$ pip install requests
Requirement already satisfied: pygetwindow>=0.0.5 in ./venv/lib/python3.11/site-packages (from PyAutoGUI==0.9.44->r requirements
ments.txt (line 3)) (1.0.1)
Requirement already satisfied: charset_normalizer<4.0> in ./venv/lib/python3.11/site-packages (from requests>=2.28.0->r require
ments.txt (line 3)) (3.4.2)
Requirement already satisfied: idna<4.2> in ./venv/lib/python3.11/site-packages (from requests>=2.28.0->r requirements.txt (l
ine 4)) (3.1)
Requirement already satisfied: certifi>=2017.4.17 in ./venv/lib/python3.11/site-packages (from requests>=2.28.0->r requirements
.txt (line 5)) (2025.6.15)
Requirement already satisfied: cffi>=1.14 in ./venv/lib/python3.11/site-packages (from cryptography>3.4.7->r requirements.txt (l
ine 6)) (2.22)
Requirement already satisfied: pycryptodome in ./venv/lib/python3.11/site-packages (from cffi>1.14->cryptography>3.4.7->r require
ments.txt (line 7)) (3.14.0)
Requirement already satisfied: pycrypt<0.5> in ./venv/lib/python3.11/site-packages (from pygetwindow>=0.0.5->r PyAutoGUI>=0.9.44->r requ
irements.txt (line 8)) (0.5)
client$ cd ./venv/bin
client$ ./keylogger_audit.log keyloggers_2025.py LICENSE README.md requirements.txt setup.py test_logger.py venv
client$ ./keylogger_audit.log keyloggers_2025.py
client$ python keyloggers_2025.py
[...]
[+] ENHANCED KEYLOGGER - SECURE MONITORING TOOL
[+] Enter [E] to exit
[+] Use only with explicit consent for authorized purposes
[+] Unauthorized use violates privacy laws and ethics
[+]
[+] 2025-06-25 05:45:33,599 - INFO - Keylogger initialized with encryption
[+] 2025-06-25 05:45:33,600 - INFO - Starting keylogger with consent verification
[+] 2025-06-25 05:45:40,318 - INFO - Starting keylogger with consent verification
[+] 2025-06-25 05:45:40,482 - ERROR - Runtime error: '_thread._ThreadHandle' object is not callable
[+] 2025-06-25 05:45:40,482 - INFO - Keylogger Session ended

[!] Ethical Keylogger – Secure Monitoring Tool
```

Keylogger Report - kali @ 2025-06-24 13:20

meong...6@gmail.com
to ▾

System Information

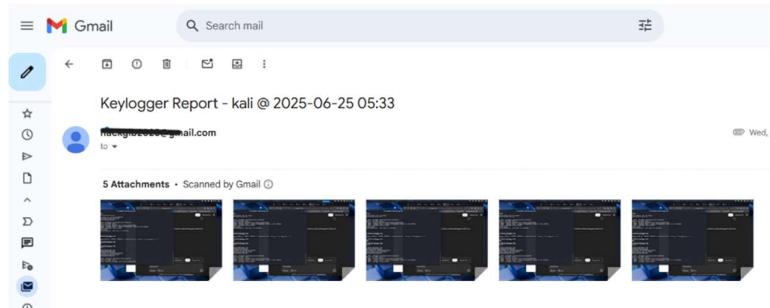
User: kali

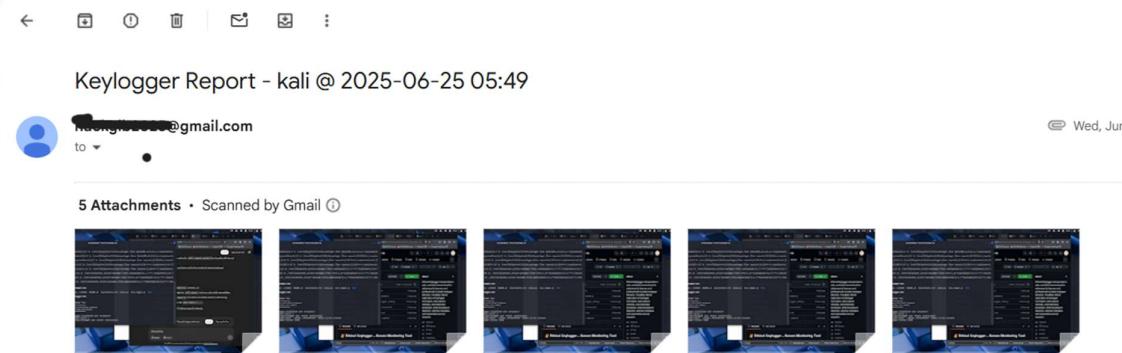
Time: 2025-06-24 13:20

Public IP: [REDACTED]

Private IP: [REDACTED]

[Reply](#) [Forward](#)





Keylogger Report - kali @ 2025-06-25 05:55

