📸 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:

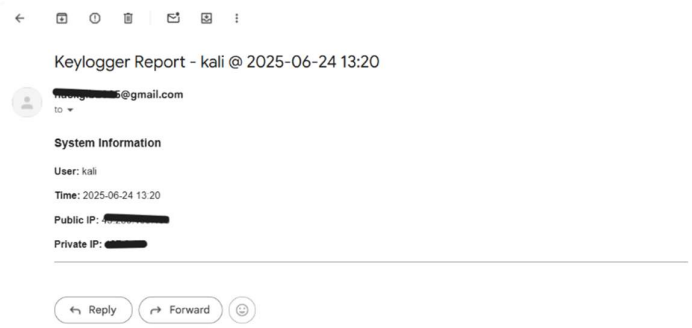
- 🧪 Visual forensics (active window inspection)
- 🔍 Timeline reconstruction
- 📚 Demonstrations in ethical hacking classes

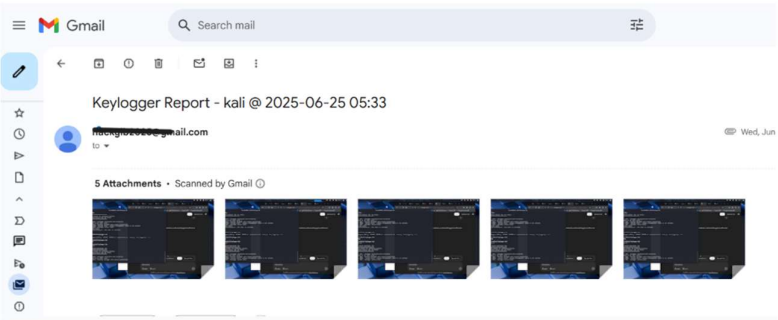
All images are scanned by Gmail and securely transmitted via TLS.

🧾 System Metadata Summary

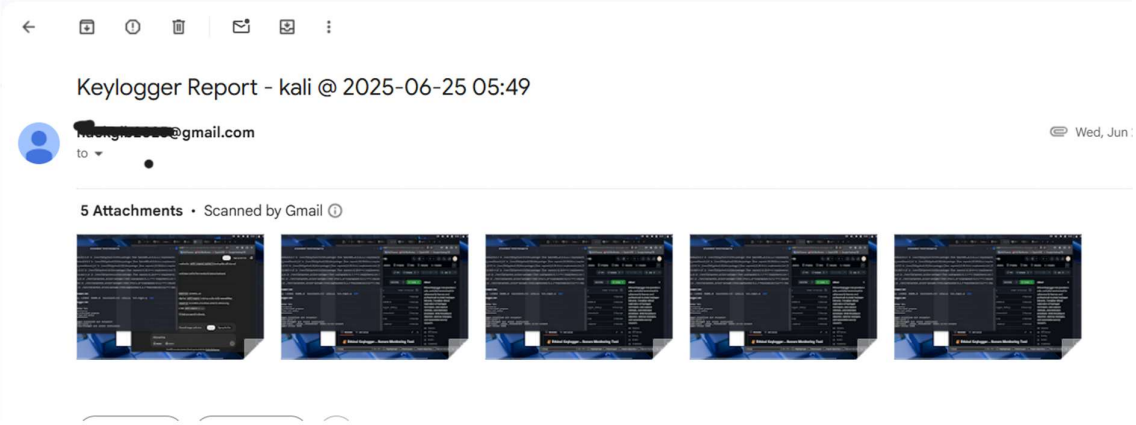
Each session begins with a structured system metadata block that includes:

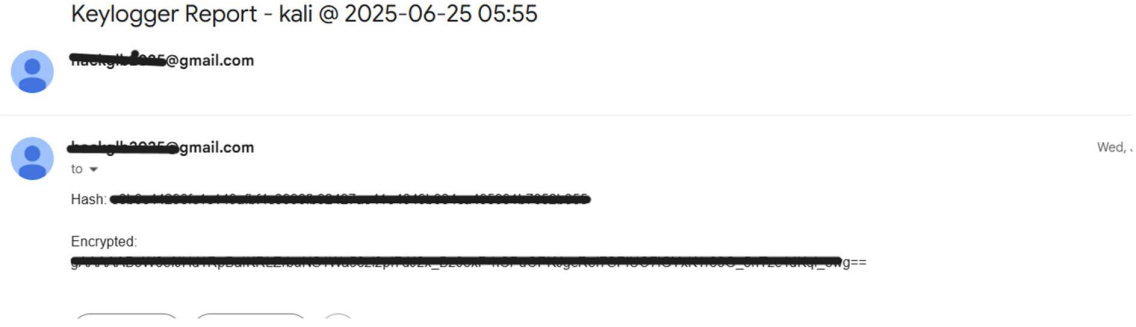
- 👤 **Username** of the target machine
- 🕐 **Timestamp** of execution
- 🌐 **Public & Private IP addresses**


Keylogger Report - kali @ 2025-06-24 13:20
[redacted]@gmail.com
to
System Information
User: kali
Time: 2025-06-24 13:20
Public IP: [redacted]
Private IP: [redacted]
Reply
Forward


Gmail
Search mail
Keylogger Report - kali @ 2025-06-25 05:33
[redacted]@gmail.com
to
Wed, Jun
5 Attachments • Scanned by Gmail


Keylogger Report - kali @ 2025-06-25 05:34
[redacted]@gmail.com
to
Hash: [redacted]
Encrypted:
[redacted]Ntw==
Reply
Forward


Keylogger Report - kali @ 2025-06-25 05:49
[redacted]@gmail.com
to
Wed, Jun
5 Attachments • Scanned by Gmail


Keylogger Report - kali @ 2025-06-25 05:55
[redacted]@gmail.com
[redacted]@gmail.com
to
Wed,
Hash: [redacted]
Encrypted:
[redacted]