



Mission: Self-Hosted Proxy

Retiring commercial VPNs to build a personal, shareable stack from scratch in one afternoon. Total automation via AI.

Target 1: 1x Fresh LA VPS (9929 Routing)

Target 2: 1x Static Residential IP

Target 3: 1x Claude Code Agent

The Shadowsocks Snag

Total IP block in exactly 4 hours.
Not throttled. Blocked.

The GFW is not a static blocklist.
It is an active probing system.

Signal 1: High-entropy ciphertext.

Signal 2: Non-standard handshakes.

Conclusion:
In 2025, deploying Shadowsocks on
a fresh IP is a neon sign.

TIMEOUT

4 HOURS



VLESS-Reality: Borrowing Trust

Adversarial design. Don't look like nothing. Look like a massive, unblockable enterprise (microsoft.com). The GFW chooses Microsoft, and you slip through.



Protocol Roster Matrix

Primary: VLESS-Reality (Masked TLS)
- Handles all normal routing.

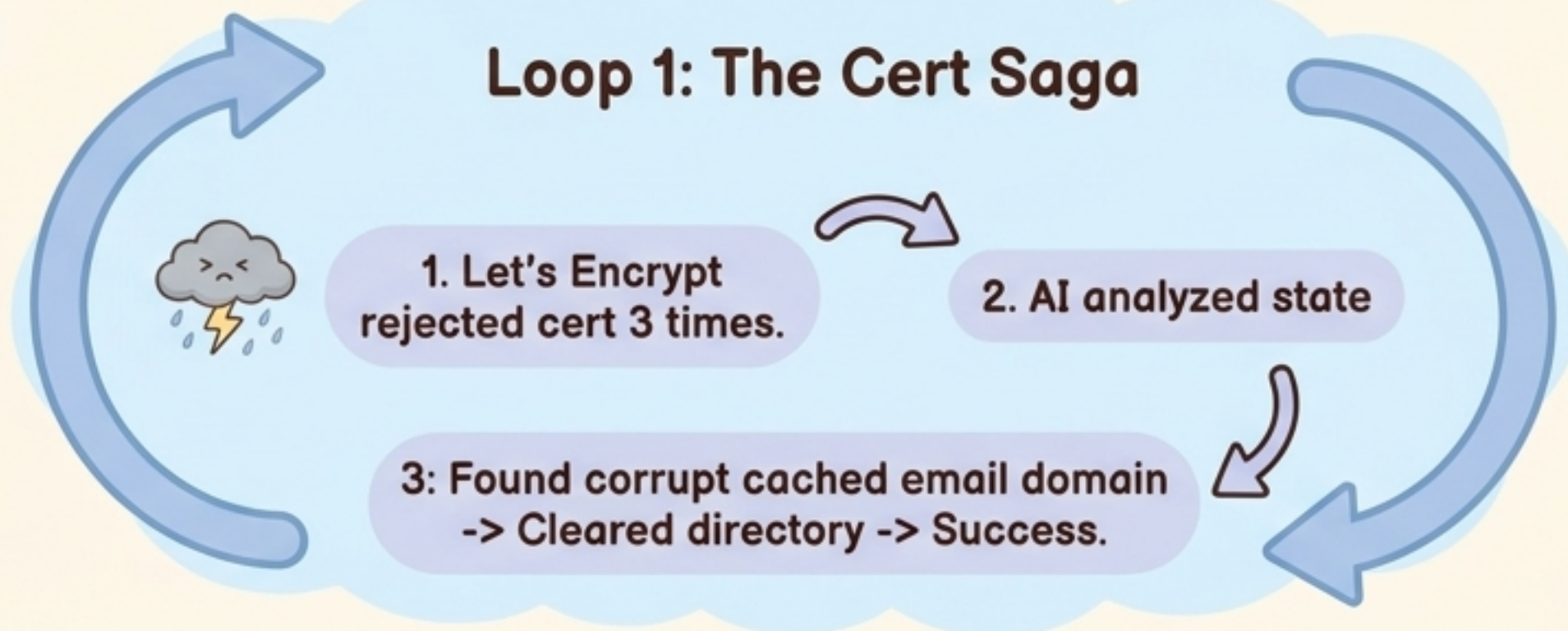
Fallbacks: Hysteria2 / TUIC-v5
- Fast, QUIC/UDP-based.

Last Resort: Vmess-WS
- WebSocket-based, weakest.

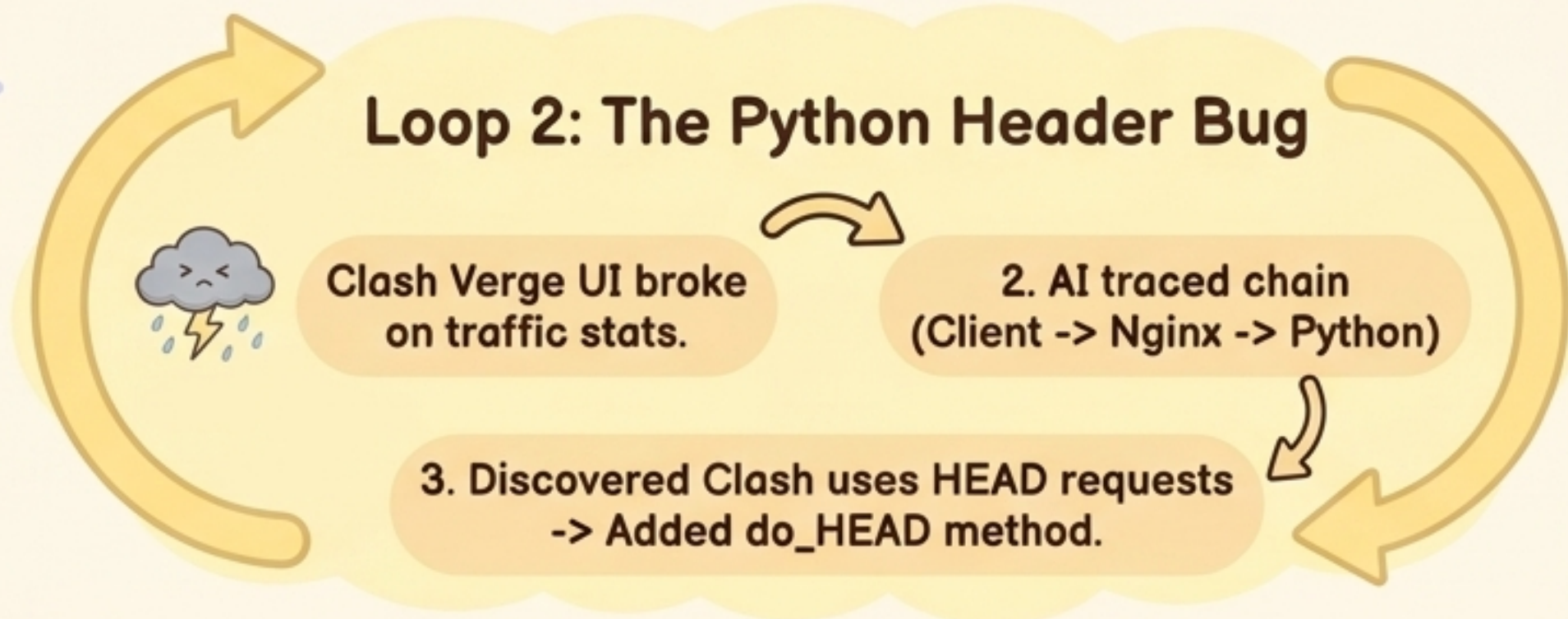
Claude Code in Action



Loop 1: The Cert Saga



Loop 2: The Python Header Bug



10-minute loops searching for root causes,
not random retries.

The Complete Experience

The Flow

**Nginx
(Port 443)**

**Localhost
Python**

**vnstat --json
(Network Interface)**

Traffic Bar

Friends get a simple URL/QR code.
Client auto-renders their 3TB bandwidth usage natively.
A commercial-grade UI built in an afternoon for \$20/month.

**Generates dynamic
Subscription-Userinfo headers
(upload, download, total, expire)**

