



Agent hits a paywall. Gets a **402** . Sends real **USDC** on-chain. Server verifies. **Signal released.**

```
agent.py — x402 flow — mainnet • MAINNET · LIVE

14:02:11 GET /api/signal
14:02:11 402 PAYMENT_REQUIRED · wallet: Cz7cUcYS...
14:02:12 → tally.request_funding(0.10 USDC)
14:02:14 TG telegram → card tap → biometric ✓
14:02:18 SK session funded · 0.10 USDC
14:02:19 TX 5kP3...Vzq9 · 0.10 USDC sent
14:02:29 GET /api/signal + X-Tally-Tx
14:02:31 200 { signal: BUY_SOL_24H, conf: 0.78 }
14:02:33 ✓ swept remaining SOL & USC to vault · cycle done
```

END-TO-END TIME

22 SEC

From paywall hit to signal returned

USDC MOVED

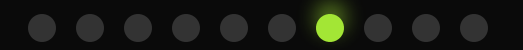
0.10

Real settlement · mainnet · verified on-chain

HUMAN INTERVENTIONS

1

A single card tap · approval scoped to this task



Built solo. Shipped end-to-end. **Real USDC moved on every step.**

x402

LIVE ON MAINNET

Full agent payment loop. Self-documenting 402 endpoint.

3

SESSION WALLET TYPES

Agent · Personal · Burner.
All card-tap funded.

< 500_{MS}

KEY LIFETIME IN RAM

Reconstruct, sign, wipe. Nothing persisted, anywhere.

< 4_{WK}

SOLO BUILD TIME

Crypto, NFC, mobile, agent skill, signal server.

Full hardware wallet - SOL + USDC, Jupiter swap, QR scanner

Agent lifecycle - fund → task → return, on-chain confirmed

x402 signal server - independent on-chain tx verification

Keystore-backed session SK - TEE + biometric gate

EMV APDU chain - any contactless Visa or Mastercard

Telegram deep links - HMAC-SHA256, replay-protected

Python skill - OpenClaw, LangChain, CrewAI, Eliza compatible

ATA rent reclaim - ~\$0.17 recovered per session sweep

Tally is a **physical authorization primitive**. Four directions to extend it.

// 01 — ON-CHAIN ENFORCEMENT

PLANNED

Layer 3 — Constrained Signer (Anchor)

A Solana program enforcing per-session caps, program whitelists, and auto-expiry at the protocol level. Even a stolen session key can't exceed the cap.

// 02 — POLICY TAPS

PLANNED

One tap authorizes a class of work

Not just a single transaction. The card sets a time-bounded budget. The agent runs autonomously within it.

// 03 — PROOF OF PRESENCE

PLANNED

Card tap as a verifiable credential

Every authorization produces a signed attestation that a real person with a real card approved this spend. Travels with the task through multi-agent pipelines.

// 04 — x402 GATEWAY

PLANNED

Self-hosted x402 endpoint

Run your own paywalled API backed by Tally's card-tap authorization. Agents pay per request, humans stay in the loop. No third-party proxy.

