

Near Claw Whitepaper v1.0

Solana AI Chat + Private Transfer Rail

Date: March 2026

Website: <https://nearclaw.xyz>

1. Executive Summary

Near Claw is a hybrid rail that pairs an AI chat copilot with a shielded transfer stack on

Utility

- AI chat for wallet queries, contract calls, and multi-chain instructions
- Private transfers of SOL, USDC, and wrapped assets
- Selective disclosure for investigators/auditors
- Fast settlement (30–90 seconds) with low fees

2. Problem Statement

Existing rails split UX into two extremes: public chatbots that expose wallet details, and

3. Solution Overview

Near Claw combines:

1. **Claw Brain** — fine-tuned AI agent for Solana + cross-chain intents.
2. **Ghost Tunnel** — shielded deposit/burn-mint mechanism akin to Sapling + RenVM.
3. **Guardian Relayers** — permissionless network staking CLAW token for incentives/slashing.
4. **Compliance Studio** — selective disclosure keys for regulators/partners.
5. **Chat + Transfer Audit Log** — hashed transcripts proving what the AI executed without

Flow: user chats intent → AI validates + generates zero-knowledge transfer plan → proof

4. Technical Architecture

4.1 AI Layer

- Intent inference via open-source LLMs fine-tuned on Solana instructions.
- Policy filters to prevent disallowed actions.
- On-chain state fetchers to ground AI responses.

4.2 Privacy Layer

- Pedersen commitments + Bulletproof ranges hide amounts.
- Hybrid Groth16/PLONK circuits prove valid burns without revealing paths.
- Nullifiers prevent double-spend.
- Merkle trees per chain track shielded notes.

4.3 Guardian Network

- Relayers stake CLAW token; misbehavior slashed.
- Handles cross-chain proof submission.
- Collects 0.1–0.3% fee per mission.

4.4 Compliance Studio

- Viewing keys for selected auditors.
- Zero-knowledge receipts linking deposit to exit without revealing intermediates.

5. Tokenomics — CLAW Token

- **Total supply:** 1,000,000,000 CLAW (fixed)
- **Allocation:**
 - Liquidity & Farming — 25%
 - Team & Advisors — 15% (3-year vest)
 - Ecosystem / Grants — 20%
 - Relayer & Prover Rewards — 20%
 - Treasury / DAO — 15%
 - Private Sale / Seed — 5% (locked)

Utility

- Stake for guardian priority
- Pay chat + transfer fees (discount tiers)

- Vote on protocol upgrades
- Receive fee share when staked

30% of protocol fees are burned for deflation.

6. Security & Risk Mitigation

- Independent audits (Trail of Bits, OtterSec, zksecurity)
- Bug bounty up to \$400K
- Relayers slashable for malicious proofs
- Chat policy filters + human override
- Progressive decentralization: multisig guardians → DAO

7. Roadmap

- ****Q2 2026**** — Private beta (AI chat + Solana transfers)
- ****Q3 2026**** — Mainnet v1, cross-chain adapters (Polygon, Arbitrum)
- ****Q4 2026**** — Mobile console + custodial partner API
- ****2027**** — DAO governance + programmable AI extensions

8. Team & Advisors

- Founder: anonymous Solana AI/bridge engineer
- Core contributors: ex-Helius, ex-Aztec, zk researchers
- Advisors: privacy lawyers, institutional OTC desks

9. Conclusion

Near Claw lets operators talk to their rail instead of scripting it. By fusing AI chat with

shield

****Disclaimer:**** Informational only. Token offerings remain subject to applicable laws. No

guard