

TruthAI Swarm – Whitepaper (Draft v0.x)

Ticker: TRUTHAI (\$TRUTHAI)

Chain: Solana

Status: Draft for community consultation

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1. Abstract

TruthAI Swarm is a decentralized ecosystem of AI and trading tools. The core utilities are two bots: the Swarm Volume Bot (market opening and liquidity) and the Market-Making Bot (pair stabilization and volatility reduction). Complementing this is Truthpedia – a living knowledge hub with AI + human fact-checking. The TRUTHAI token powers payments, access to premium features, governance, and incentive mechanics.

2. Problem & Motivation

- New Solana projects face initial liquidity gaps and unstable pricing.
- Investors expect clear utility, transparent fees, and understandable rules.
- Information noise makes it hard to verify claims and build trust.

3. Solution – Overview

- Swarm Volume Bot: structured volume + liquidity generation.
- Market-Making Bot: spreads, order book depth, slippage reduction.
- Truthpedia: content verification (AI + community curators).
- TRUTHAI token links payments, access, governance, and rewards.

4. System Architecture

4.1 Infrastructure Layer

- Solana RPC + queuing, Jito bundles.
- Modules: strategy, risk, key management (HSM), billing.
- Operator panel, partner API, telemetry.

4.2 Swarm Volume Bot

Goal: structured, compliant market opening.

Functions: schedules, maker-first, compliant orders, cost caps, telemetry.

Controls: anti-manipulation, transparency logs.

4.3 Market-Making Bot

Goal: stabilize spreads, reduce volatility.

Functions: quoting, spread mgmt, inventory, hedging, DAO transparency.

Security: separate pools, multisig governance.

4.4 Truthpedia

Fact engine, LLM models, curator workflow.

Rewards: reputation + TRUTHAI micro-rewards.

API for external verification.

5. TRUTHAI Token – Role & Utility

- Access: subscriptions, APIs.
- Governance: DAO votes on parameters, budgets.
- Rewards: contributor incentives.
- Liquidity mechanics in MM/Volume cycles.

■■ Utility-only token, not a security.

6. Tokenomics (Proposal)

- Total Supply: 1,000,000,000 TRUTHAI.

Allocations:

- 25% Ecosystem & rewards (vesting 36m)
- 20% Liquidity ops (multisig)
- 15% Team (12m cliff, 36m vesting)
- 10% Advisors (6m cliff, 24m vesting)
- 20% DAO Treasury
- 10% Reserve

Emissions: no inflation phases 0–2; DAO may vote on low inflation later.

Unlocks: monthly, all on-chain.

7. Monetization & Pricing

Swarm Volume Bot:

- Starter: 0.5 SOL/day
- Pro: 2 SOL/day
- Enterprise: custom SLA

Market-Making Bot:

- Lite: 2 SOL/day
- Pro: 6–10 SOL/day
- Rev-share option

Truthpedia API:

- 0.1 SOL/1k queries

Revenue split: 50% Ops/Marketing, 30% R&D, 20% DAO Treasury.

8. Governance & Organization

DAO proposals, discussions, votes.

Multisig (3/5) for treasury & parameters.

Committees: Risk, Technical, Grants.

Transparency reports quarterly.

9. Roadmap

Phase 1: Volume Bot + Truthpedia MVP ■
Phase 2: Market-Making Bot + audits
Phase 3: Finance/health apps + AI plug-ins
Phase 4: Full DAO + global scaling

10. Security, Compliance, Privacy

- HSM-managed keys, least privilege.
- Fund separation (clients vs DAO).
- No wash/self-trading, rate limits.
- Audits + bug bounties.
- Privacy-first, pseudonymized logs.

11. Risks

- Market risk: SOL volatility.
- Technical: RPC outages, MEV.
- Legal: jurisdiction compliance, partner KYC.
- Operational: misconfigurations (limited by multisig).
- Reputation: mitigated by transparency.

12. Success Metrics (KPIs)

- Order book depth & median spread.
- Trading volume + unique traders.
- Recovery ratio (>99.9%).
- Client retention & integrations.
- Truthpedia contributions & speed.

13. Market Comparison

Competitors: black-box.
TruthAI: transparent params, DAO gov.
Truthpedia adds trust layer.

14. Partnerships

DEX/AMM integrations, RPC providers, analytics tools.
Partner program: discounts + co-marketing.

15. Brand & Community

#TRUTHAISWARM identity.
No financial promises.

Open roadmap, quarterly AMA.

16. Legal Disclaimer

This document is informational only.

Not investment advice.

TRUTHAI = utility token only.

Participation = market + technical risks.

17. Annex A – API Outline

Auth: project keys + signatures.

Endpoints: /mm/quote, /mm/params, /volume/schedule, /telemetry, /billing.

Limits: per-key, sandbox mode.

Webhooks: alerts & partner reports.

18. Annex B – Best Practices

Pair onboarding checklist.

Limit matrix (cost/day, exposure, spreads).

Incident runbooks & comms.

