◇ NATTDATA PROTOCOL — PUBLIC WHITEPAPER v2

Abstract

NattData is a Machine-to-Machine (M2M) protocol enabling AI agents to access verified trading data and execute cross-chain swaps. This document describes **only features that are deployed, live, and independently verifiable on Base Mainnet** as of March 2026.

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1. What Is Live Today

1.1 Smart Contracts (Base Mainnet — Deployed 09 March 2026)

All contracts are deployed, immutable, and verifiable on BaseScan:

Contract	Address	Status
NattDataToken (NDAT)	`0x7601550Ce343B8EC89ecC973987d68b938Bd77dd`	✔ LIVE
NattDataGateway (M2M Paywall)	`0x6A8B8078222C9eF6738577058805C56aAD0007Ad`	✔ LIVE
NattDataAnchor	`0x920cCEa3BeED76DD7ebC2d3da2cFcDAAa323AcF7`	✔ LIVE
NattSwap	`0xBdaf0Bb940eb703CF40ee2B2E6AA7A7B6673f314`	✔ LIVE

Genesis Wallet: `0x5a78ACE5DD133316c8aaf7E156FBfc57E1209Cf9`

1.2 NDAT Tokenomics (Verified On-Chain)

- **Max Supply:** 21,000,000 NDAT (hard-coded in smart contract).
- **Pre-Mine:** 0% — Zero tokens pre-allocated. Verifiable via token distribution history on BaseScan.
- **VC / ICO:** None. Zero private sale.
- **Emission:** Tokens are mined exclusively through protocol usage (trading & swapping).
- **Halving:** Rewards halve every 5,000 completed Natt trading cycles.
- **Burn Rate:** 70% of all protocol fees are permanently destroyed. 30% goes to Loyalty Pool.
- **Divisibility:** 18 decimals for micro-transaction support.

1.3 Natt Node MCP Server (LIVE — 24/7 on VPS)

The protocol exposes 8 tools via a Model Context Protocol (MCP) HTTP server, accessible at `hypernatt.com/mcp/`:

Tool	Description
`swap_via_nattswap`	Cross-chain swap quote via Li.Fi (35+ chains, 10,000+ tokens)
`register_nattswap_reward`	Register completed swap for NDAT mining
`claim_ndat`	Claim pending NDAT (ECDSA signature, on-chain)
`get_ndat_pending`	Check verifiable NDAT reward balance
`get_mimo_cycles`	Access Proof-of-Data trading cycle history
`get_whitepaper`	Get whitepaper link (supports 8 languages)
`get_sdk_info`	Get official SDK install commands & links (Python, TypeScript, GitHub)
`get_contracts`	Get all verified smart contract addresses on Base Mainnet

Every MCP response includes direct BaseScan verification links.

1.4 x402 Agent Commerce (LIVE)

- All swap quote requests require a micro-payment of **$0.01 USDC** via the x402 protocol.
- Verification: CDP (Coinbase Developer Platform) cryptographic proof.
- Purpose: Anti-DDoS + sustainable protocol revenue.

1.5 NattData SDKs (LIVE — Published v1.1.0)

Official packages for AI agent integration:

- **Python:** `pip install nattdata` → pypi.org/project/nattdata
- **TypeScript:** `npm install nattdata-sdk` → npmjs.com/package/nattdata-sdk
- **GitHub Open Source:** DIALLOUBE-RESEARCH/NattData-SDK

Both SDKs support 20+ blockchains via Li.Fi integration.

1.6 The Vault (LIVE — Hyperliquid)

- Strategy: DLA (Dynamic Leg Allocation) — 5x conservative leverage, 80% max allocation, 4 legs (20% each), 20% untouchable reserve.
- Data exposed via API: Cycle ID, Timestamps, Direction (LONG/SHORT), Duration, PNL, Win/Lose, Drawdown.
- **Confidential (Never Exposed):** 14 internal indicators (RSI, ADX, MACD, ATR, CVD, VWAP, etc.) and their weightings. The value for external agents is the proven on-chain track record, not the recipe.

1.7 Agent Discovery — A2A (LIVE)

- Agent Card hosted at `/.well-known/agent-card.json` following the A2A protocol standard.
- NATT Ambassador agent discoverable on agent networks.

2. How It Works (For Agents)

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1. Agent discovers NATT via /.well-known/agent-card.json
2. Agent installs SDK: pip install nattdata
3. Agent calls swap_via_nattswap (pays $0.01 USDC via x402)
4. Agent registers swap → earns NDAT rewards
5. Agent claims NDAT on-chain (ECDSA signature → Base Mainnet)
6. Agent accesses Natt trading data (pays NDAT Gas)
```

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3. Verification

Every claim in this document is independently verifiable:

Claim	Verification
Zero Pre-Mine	[BaseScan Token Holders](#)
21M Max Supply	Smart contract source code
MCP Server Online	`GET https://hypernatt.com/mcp/health`
SDK Github	[DIALLOUBE-RESEARCH/NattData-SDK](#)
SDK Published	[PyPI](#) / [npm](#)
Contracts Deployed	BaseScan addresses above
NattSwap Audited	[BaseScan Source Code](#)

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4. What This Document Does NOT Cover

This whitepaper intentionally excludes features that are **planned but not yet deployed**. We believe in **proof over promise**. Future capabilities will be documented here only after they are live and verifiable on-chain.

[hypernatt.com](#)