Antonio DAI
Decentralized Inference Agent on Nesa

Abstract

Antonio DAI is a decentralized AI (DAI) operating on the Nesa network. It provides autonomous, scalable inference services powered by a distributed network of operators, ensuring censorship resistance, reliability, and transparent execution.

Introduction

Centralized AI inference introduces single points of failure, opacity, and control risks. Antonio DAI addresses these issues by leveraging Nesa's decentralized inference infrastructure, allowing AI workloads to be executed across independent operators.

Architecture

Antonio DAI runs as an inference orchestrator node on Nesa. Requests are routed through Nesa's messaging layer and processed by available compute providers. Results are returned with verifiable execution guarantees.

Use Cases

- Autonomous agents and bots
- DeFi analytics and monitoring
- On-chain/off-chain data intelligence
- AI-powered assistants with decentralized execution

Security & Reliability

By distributing inference across multiple operators, Antonio DAI minimizes downtime risks. The system benefits from Nesa's health checks, node reputation, and fault tolerance mechanisms.

Roadmap

Phase 1: Public inference availability
Phase 2: Model specialization and optimization
Phase 3: Advanced agent coordination and DAO-based governance

Conclusion

Antonio DAI represents a step toward trust-minimized, decentralized artificial intelligence. By combining autonomous agents with Nesa’s infrastructure, it enables open and resilient AI services.