ORU

AUTONOMOUS INTELLIGENCE AGENT FOR THE HEDERA ECOSYSTEM

Turning raw network activity into actionable intelligence.

PROBLEM

"

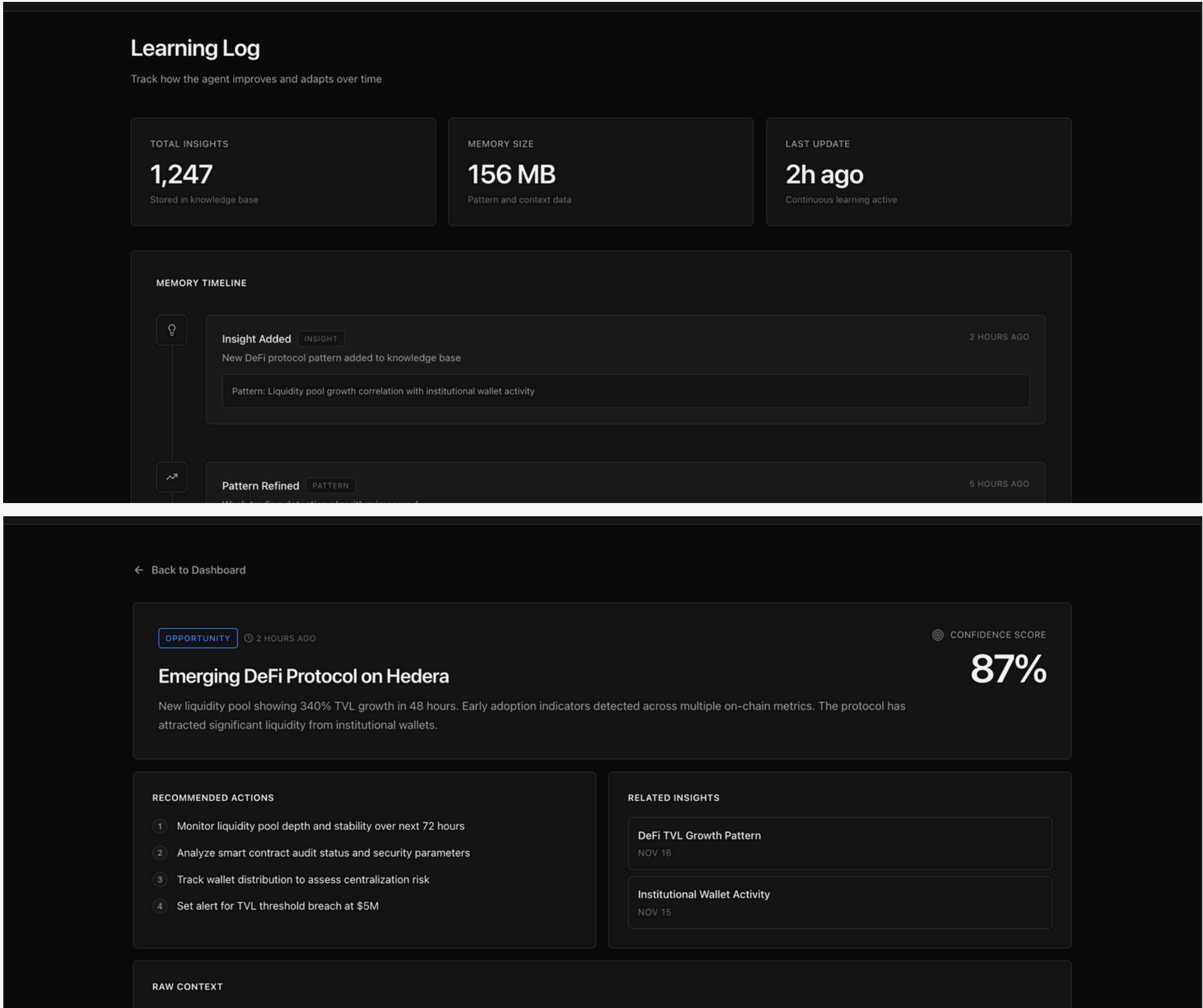**Hedera Generates Massive Activity Teams Lack Intelligence**

Hedera produces millions of events across HTS, HCS, and smart contracts. Teams cannot detect patterns, risks, or opportunities manually. They need real-time, autonomous intelligence.
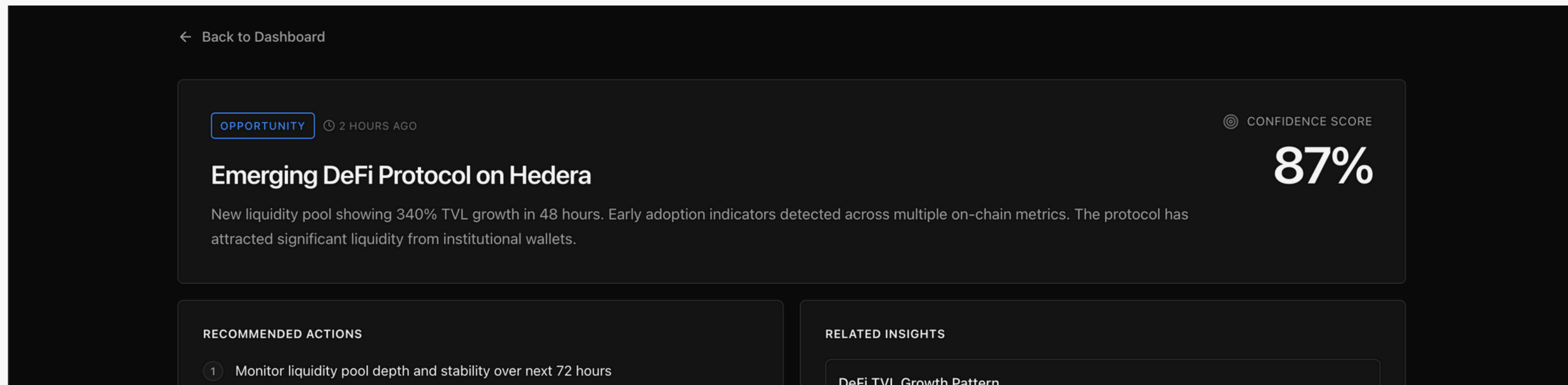
OPPORTUNITY

Hedera generates massive, fast-moving on-chain activity — but teams lack intelligence.

· Millions of transactions across HTS, HCS, and smart contracts every day

· No unified intelligence layer to interpret activity in real time

· Teams struggle to detect risks, opportunities, or trends early

· Ecosystem growth creates demand for automated, network-wide monitoring

SOLUTION OVERVIEW

Oru is an autonomous agent that transforms raw Hedera activity into real-time intelligence for ecosystem teams and foundations.
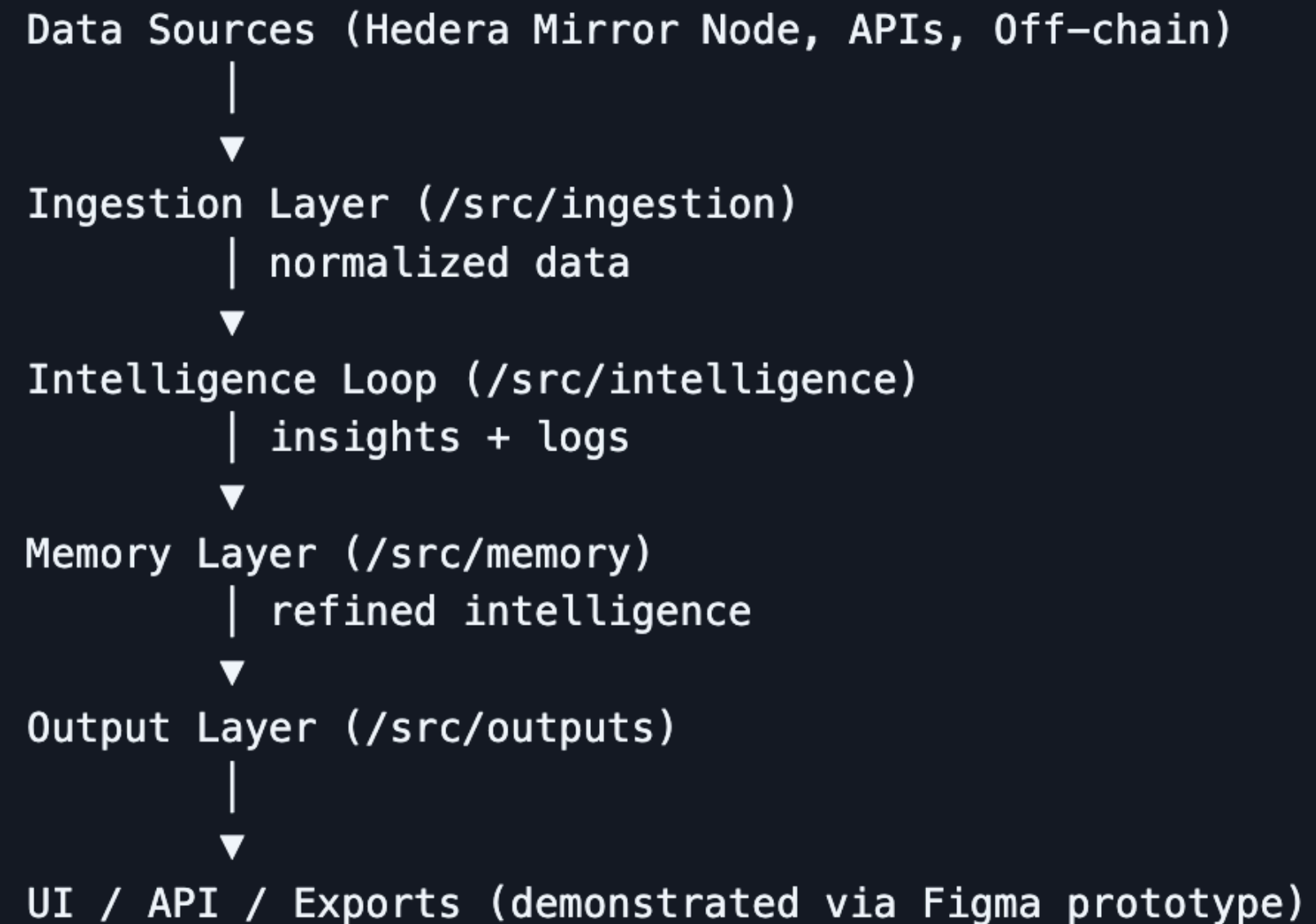
ORU
AUTONOMOUS INTELLIGENCE AGENT FOR HEDERA

· Continuously ingests HTS, HCS, and smart contract data
· Detects risks, opportunities, and emerging trends
· Generates actionable insights with confidence scoring

ARCHITECTURE OVERVIEW

How ORU processes Hedera data end-to-end.

· Ingestion
  HTS, HCS, smart contracts, network metrics.

· Intelligence Loop
  Detects risks, trends, and opportunities.

· Memory Layer
  Stores signals and improves reasoning.

· Output Layer
  Generates insights, alerts, and summaries.

```
Data Sources (Hedera Mirror Node, APIs, Off-chain)
             |
             ▼
Ingestion Layer (/src/ingestion)
             | normalized data
             ▼
Intelligence Loop (/src/intelligence)
             | insights + logs
             ▼
Memory Layer (/src/memory)
             | refined intelligence
             ▼
Output Layer (/src/outputs)
             |
             ▼
UI / API / Exports (demonstrated via Figma prototype)
```

EXAMPLE INSIGHTS

Oru transforms raw Hedera activity into
real-time intelligence.
Here are three core insight types
generated by the agent.

RISK INSIGHT

INSIGHT FEED

RISK **HIGH** 4H AGO

Unusual Transaction Pattern Detected

Abnormal token transfer velocity detected on HTS token 0.0.1234567. Possible wash trading activity.

CONFIDENCE ━━━ 92%

RISK **MEDIUM** 12H AGO

Smart Contract Interaction Anomaly

Unexpected gas fee pattern on contract 0.0.987654. Review recommended before interaction.

CONFIDENCE ━━ 76%

TREND INSIGHT

INSIGHT FEED

TREND 6H AGO

NFT Minting Surge

NFT minting activity increased by 180% week-over-week.

CONFIDENCE ━━━ 79%

OPPORTUNITY INSIGHT

INSIGHT FEED

OPPORTUNITY 2H AGO

Emerging DeFi Protocol on Hedera

New liquidity pool showing 340% TVL growth in 48 hours. Early adoption indicators detected.

CONFIDENCE ━━━ 87%

OPPORTUNITY 8H AGO
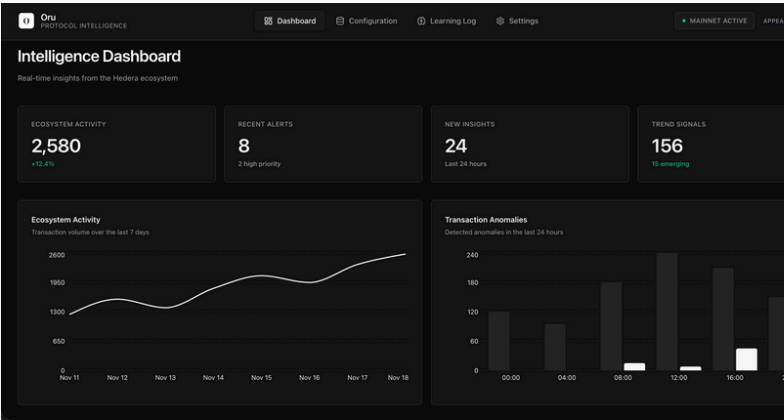
High-Volume Token Migration

Major token holder movement from CEX wallets to DeFi protocols. Potential staking opportunity.
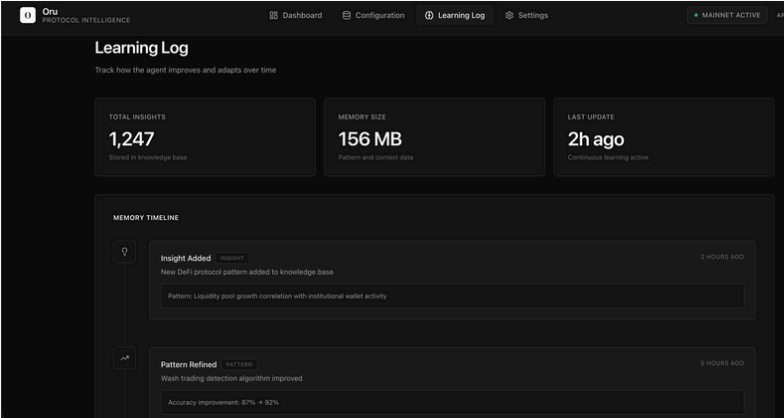
CONFIDENCE ━━━ 84%

ORU PROTOTYPE

**Real Interface. Real Flows.
Real Intelligence.**

Dashboard

risk, trends, opportunities in real time

Configuration Wizard

create and deploy an intelligence agent in 3 steps

Learning Log

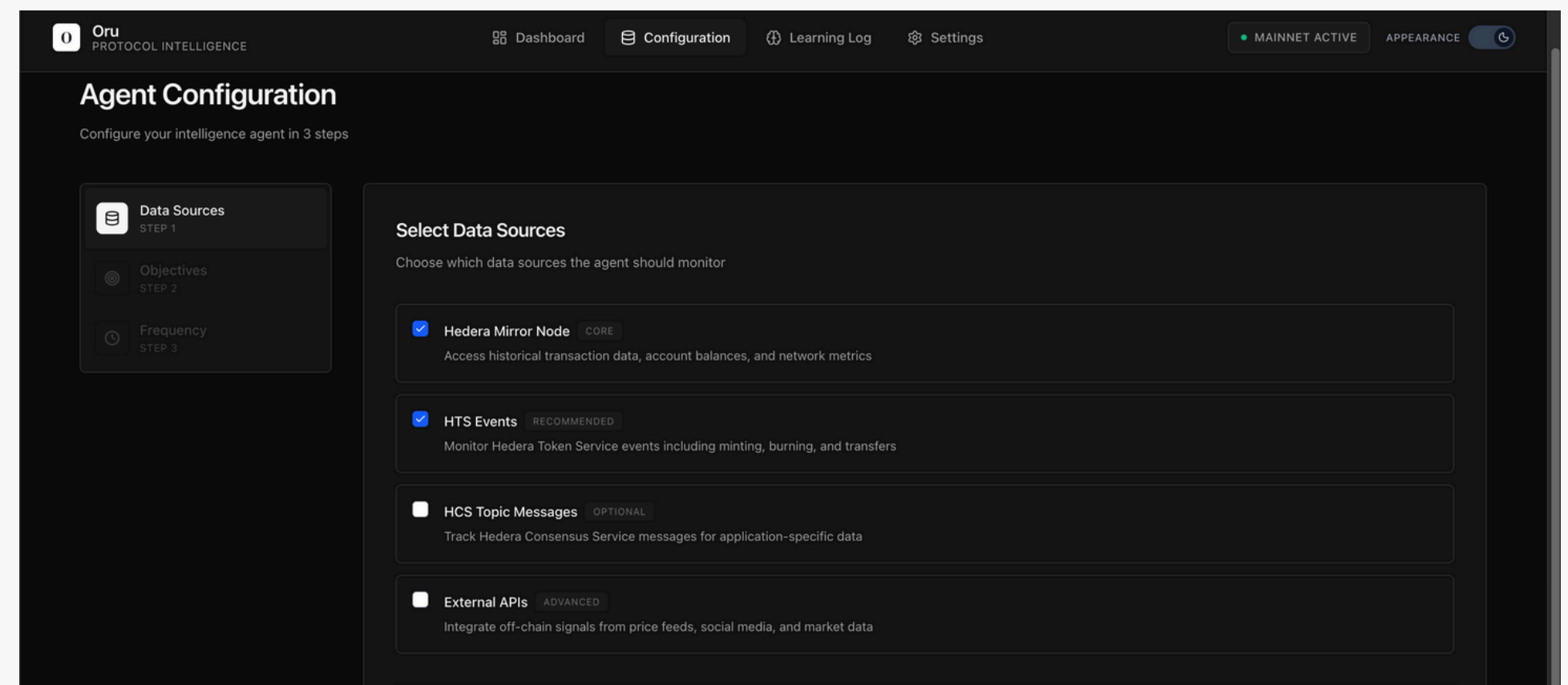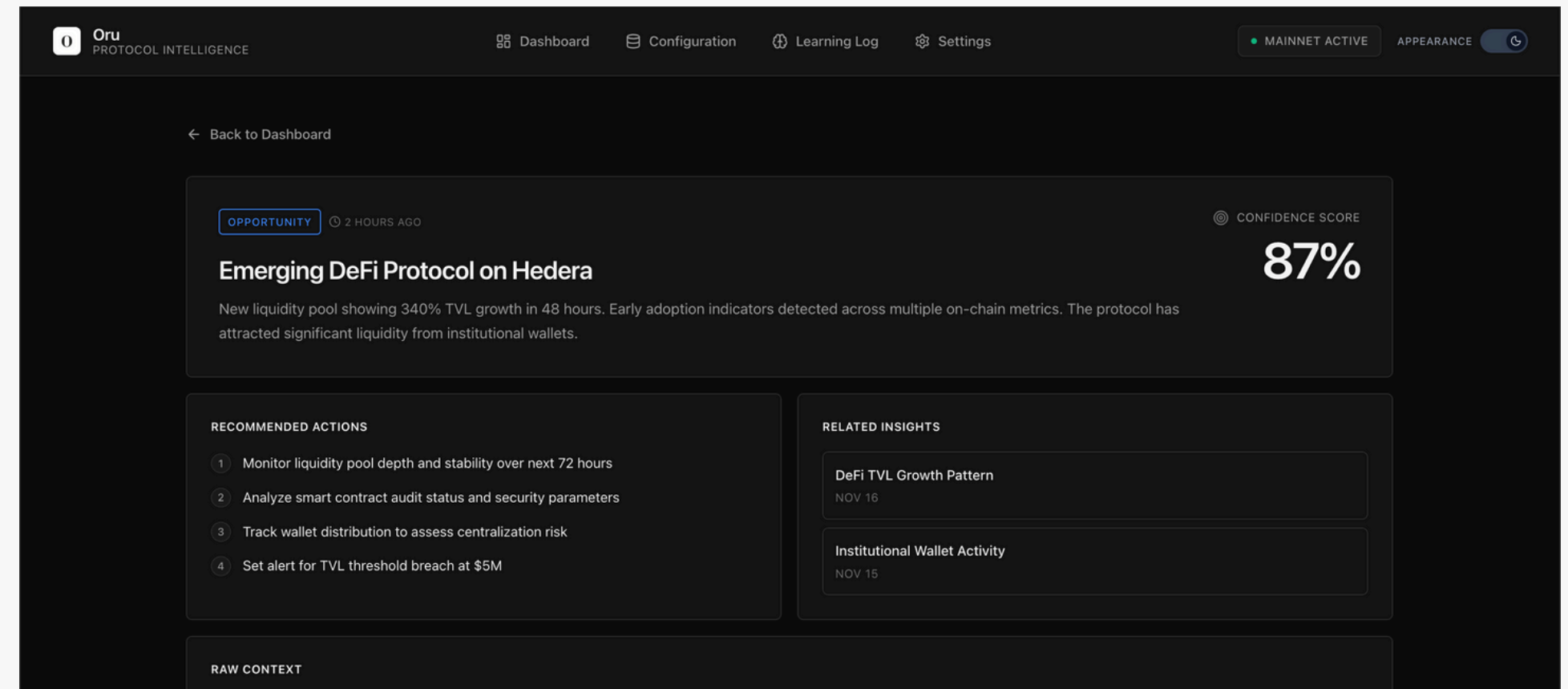historical insights and agent memory

Settings

theme switch & agent preferences

HEDERA FIT

Oru is purpose-built for the Hedera ecosystem:

- Works directly on HTS & HCS event streams
- Leverages Hedera's low-cost, high-speed environment
- Delivers real-time insights for ecosystem teams
- Fully aligned with the AI & Agents track

ROADMAP

Oru progresses from a hackathon prototype to a production-ready intelligence agent for the Hedera ecosystem.

Q1 — V0.1 (HACKATHON PROTOTYPE)

- ARCHITECTURE SKELETON IMPLEMENTED
- INTELLIGENCE LOOP & MEMORY LAYER MOCKED
- FIGMA INTERACTIVE DEMO DELIVERED

Q2 — V0.2 (EARLY PILOT)

- REAL MIRROR NODE INGESTION
- PERSISTENT MEMORY
- IMPROVED PATTERN DETECTION

Q3 — V0.3 (FOUNDATION-GRADE)

- MULTI-PROTOCOL INGESTION
- ADVANCED REASONING
- WEEKLY INTELLIGENCE SUMMARIES

Q4 — V1.0 (PRODUCTION RELEASE)

- CROSS-CHAIN INTELLIGENCE
- MULTI-AGENT EXTENSIONS
- READY FOR HEDERA ECOSYSTEM ADOPTION

THANK YOU

FOR REVIEWING ORU — HEDERA ECOSYSTEM INTELLIGENCE AGENT TURNING RAW NETWORK ACTIVITY INTO ACTIONABLE INTELLIGENCE.

Turning raw network activity into actionable intelligence.