

ORU

AUTONOMOUS INTELLIGENCE AGENT FOR THE
HEDERA ECOSYSTEM

Turning raw network activity into actionable intelligence.

PROBLEM

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**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

The image shows two screenshots of a dark-themed user interface. The top screenshot is titled 'Learning Log' and displays metrics: 'TOTAL INSIGHTS' at 1,247 (stored in knowledge base), 'MEMORY SIZE' at 156 MB (pattern and context data), and 'LAST UPDATE' at 2h ago (continuous learning active). Below this is a 'MEMORY TIMELINE' section showing an 'Insight Added' event (New DeFi protocol pattern added to knowledge base) at 2 HOURS AGO and a 'Pattern Refined' event (Pattern: Liquidity pool growth correlation with institutional wallet activity) at 5 HOURS AGO. The bottom screenshot is titled 'Emerging DeFi Protocol on Hedera' and includes a 'CONFIDENCE SCORE' of 87%. It features a summary card with the title 'Emerging DeFi Protocol on Hedera', a timestamp of 2 HOURS AGO, and a description: 'New liquidity pool showing 340% TVL growth in 48 hours. Early adoption indicators detected across multiple on-chain metrics. The protocol has attracted significant liquidity from institutional wallets.' It also includes sections for 'RECOMMENDED ACTIONS' (monitoring liquidity pool depth, analyzing smart contract audit status, tracking wallet distribution, setting alerts for TVL threshold breaches) and 'RELATED INSIGHTS' (DeFi TVL Growth Pattern, Institutional Wallet Activity).

[← Back to Dashboard](#)

OPPORTUNITY

⌚ 2 HOURS AGO

Emerging DeFi Protocol on Hedera

New liquidity pool showing 340% TVL growth in 48 hours. Early adoption indicators detected across multiple on-chain metrics. The protocol has attracted significant liquidity from institutional wallets.

⌚ CONFIDENCE SCORE

87%

RECOMMENDED ACTIONS

- 1 Monitor liquidity pool depth and stability over next 72 hours

RELATED INSIGHTS

DeFi TVL Growth Pattern

SOLUTION OVERVIEW

Oru is an autonomous agent that transforms raw Hedera activity into real-time intelligence for ecosystem teams and foundations.

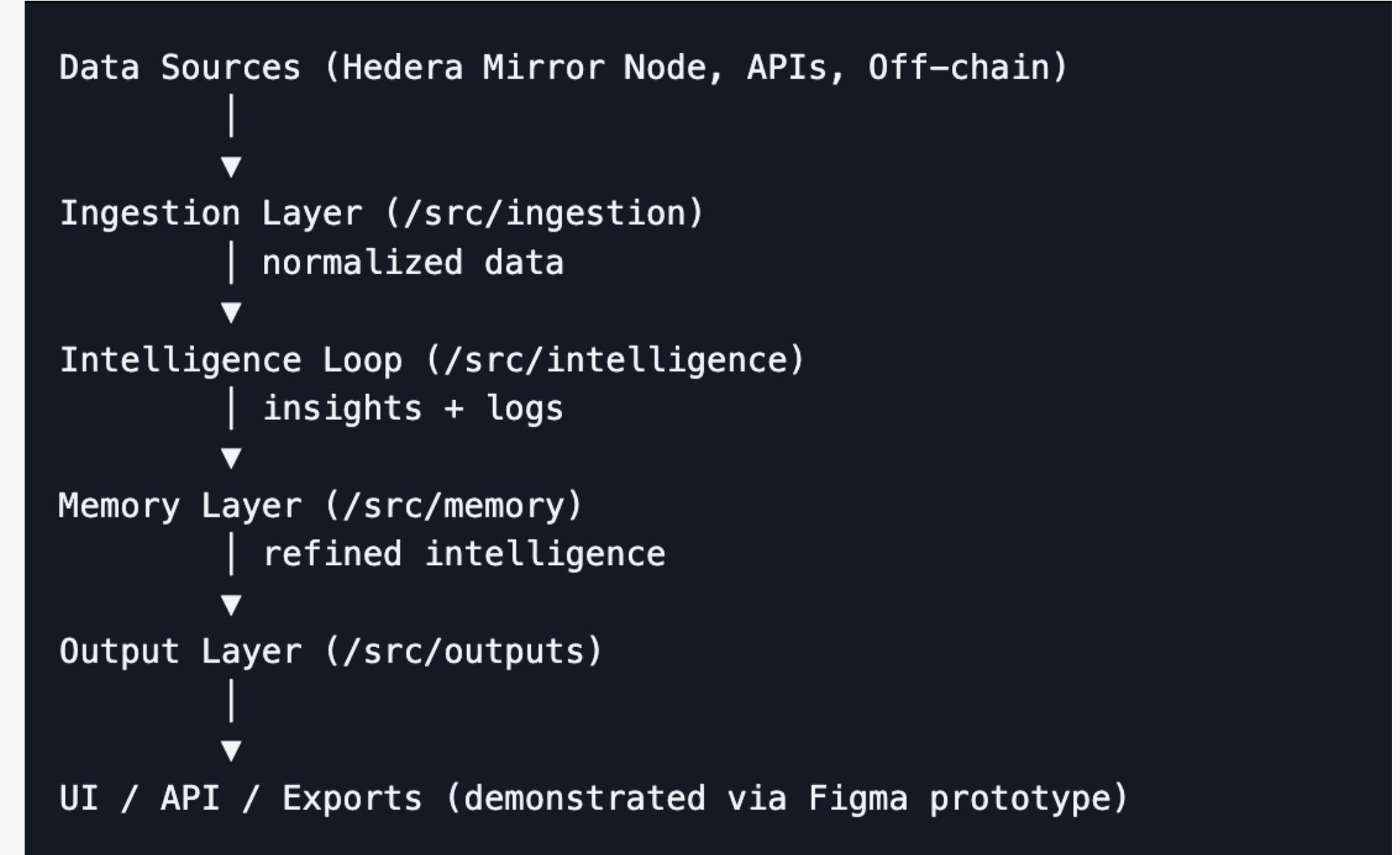
ORU AUTONOMOUS INTELLIGENCE AGENT FOR HEDERA

- 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.



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

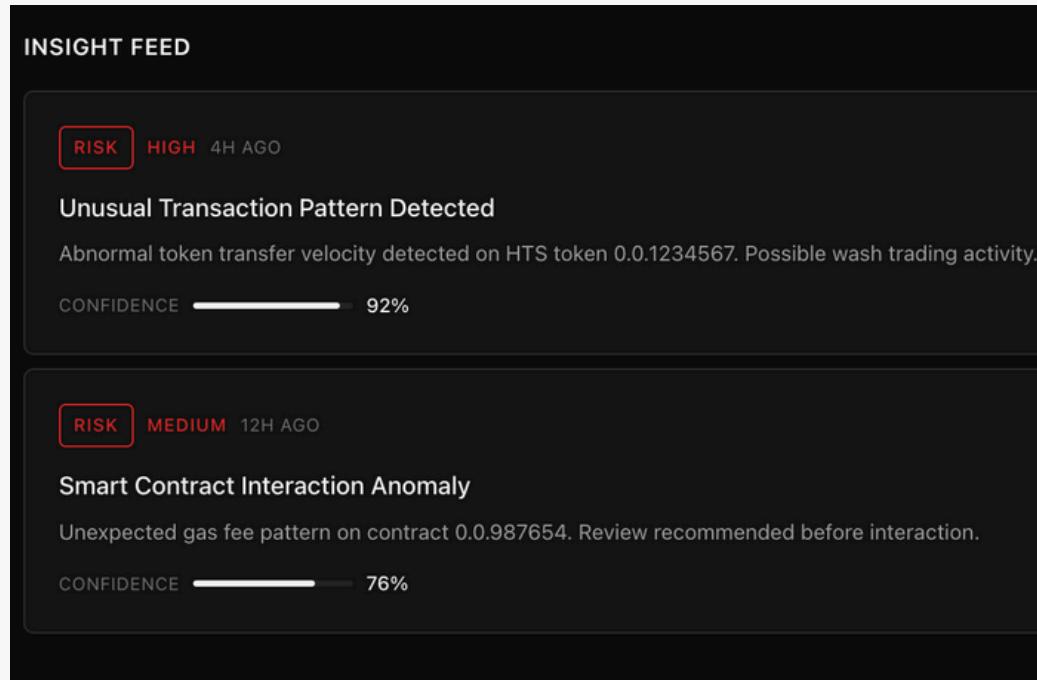
Unusual Transaction Pattern Detected
Abnormal token transfer velocity detected on HTS token 0.0.1234567. Possible wash trading activity.

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%

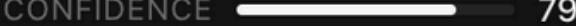


TREND INSIGHT

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

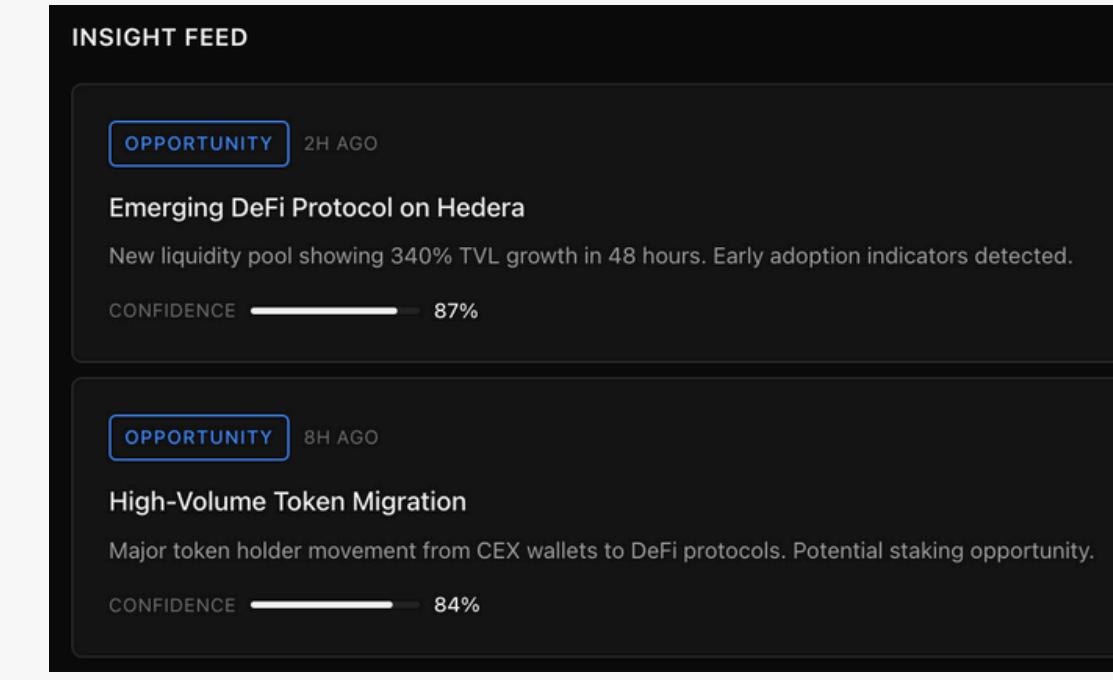
Emerging DeFi Protocol on Hedera
New liquidity pool showing 340% TVL growth in 48 hours. Early adoption indicators detected.

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.

The image displays four screenshots of the ORU Protocol Intelligence web application:

- Dashboard:** Shows real-time insights from the Hedera ecosystem, including Ecosystem Activity (2,580), Recent Alerts (8), New Insights (24), Trend Signals (156), Ecosystem Activity chart (transaction volume over the last 7 days), and Transaction Anomalies chart (detected anomalies in the last 24 hours).
- Agent Configuration:** A step-by-step wizard for configuring an intelligence agent. Step 1: Data Sources (Select Data Sources: Hedera Mirror Node, HTS Events, HCS Topic Messages, External APIs). Step 2: Objectives (Frequency). Step 3: Advanced.
- Learning Log:** Tracks how the agent improves and adapts over time. It shows Total Insights (1,247), Memory Size (156 MB), Last Update (2h ago), and a Memory Timeline with entries like "Insight Added" and "Pattern Refined".
- Settings:** Configure your agent and notification preferences. Includes Agent Configuration (Agent Name: HEA-Primary, Network: Mainnet) and Data Thresholds (Minimum Confidence Score: 75%, Risk Severity Threshold: 50%).

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

The screenshot shows the Oru Protocol Intelligence dashboard. At the top, there are navigation links: Dashboard, Configuration, Learning Log, Settings, MAINNET ACTIVE (green dot), and APPEARANCE (dark mode switch). Below the header, a button labeled "Back to Dashboard" is visible. A main card displays an "OPPORTUNITY" alert from 2 hours ago titled "Emerging DeFi Protocol on Hedera". It states: "New liquidity pool showing 340% TVL growth in 48 hours. Early adoption indicators detected across multiple on-chain metrics. The protocol has attracted significant liquidity from institutional wallets." To the right of the alert is a "CONFIDENCE SCORE" of 87%. Below the alert are two sections: "RECOMMENDED ACTIONS" (monitoring liquidity pool depth, analyzing smart contract audit status, tracking wallet distribution, setting alerts for TVL threshold breach) and "RELATED INSIGHTS" (DeFi TVL Growth Pattern from Nov 16 and Institutional Wallet Activity from Nov 15). A "RAW CONTEXT" section is partially visible at the bottom.

The screenshot shows the "Agent Configuration" page. The header includes the Oru logo, navigation links (Dashboard, Configuration, Learning Log, Settings, MAINNET ACTIVE green dot, APPEARANCE dark mode switch), and a sub-header "Configure your intelligence agent in 3 steps". On the left, a sidebar lists "Data Sources" (STEP 1), "Objectives" (STEP 2), and "Frequency" (STEP 3). The main area is titled "Select Data Sources" and instructs users to choose which data sources the agent should monitor. It lists four options: "Hedera Mirror Node" (CORE, checked), "HTS Events" (RECOMMENDED, checked), "HCS Topic Messages" (OPTIONAL, unchecked), and "External APIs" (ADVANCED, unchecked). Descriptions for each option provide details on the data they 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.