

RIO AI

# On-Chain Intelligence Agent

A real-time crypto intelligence platform pairing a conversational AI with live on-chain data across 12+ EVM networks.

<b>Version</b> 1.1	<b>Updated</b> April 2026	<b>Network</b> Multi-chain (12+ EVM)	<b>Token</b> RIO (planned Q4 2026)
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[rioaiagent.com](https://rioaiagent.com)

# 1. Abstract

Rio AI is a real-time on-chain intelligence platform that combines a conversational AI agent with live blockchain data across 12+ EVM networks. Traders, researchers, and funds can scan tokens for rugs and honeypots, monitor whale activity, track token unlocks, analyse portfolios, and surface arbitrage opportunities — all from a single interface. The mission is simple: **ask Rio anything about a token, wallet, or whale, and get live on-chain answers in seconds.**

## 2. Problem

On-chain data is fragmented across explorers, DEX aggregators, security scanners, and wallet trackers. Even sophisticated traders waste hours hopping between tools to answer simple questions: Is this token safe? Who are the smart-money wallets accumulating it? When does supply unlock? Is there a price spread between DEXs?

- Security data lives in scanners (GoPlus, HoneyPot.is) — separate from price.
- Whale and smart-money flows live on indexers — separate from sentiment.
- Unlock schedules, listings, and DEX trends each require their own dashboards.
- Most AI assistants hallucinate prices because they have no live tool access.

## 3. Solution — Rio AI

Rio is a single conversational layer over a real-time on-chain data engine. The AI agent calls live tools — price feeds, security scanners, RPCs, DEX indexers — instead of guessing. Every dashboard surface (DEX trends, whales, unlocks, portfolio, scanner) is wired into the same engine, so what the chat sees is what the dashboard shows.

### 3.1 Live capabilities (today)

- **Live price tracking** & trending coins (CoinGecko + DexScreener).
- **Fear & Greed sentiment** index and long/short positioning.
- **AI chat agent** with live tool-calling — no hallucinated prices.
- **Crypto news aggregator** with sentiment tagging.
- **New listings discovery** across CEXs and DEXs.
- **Multi-coin comparison** view and **portfolio P&L tracker**.
- **Token unlocks** & supply dilution tracker.
- **Contract address lookup** across 12 chains.
- **EVM wallet connect** — MetaMask, WalletConnect, Coinbase.

- **Wallet scanner** — multi-chain holdings & PnL.
- **Rug & honeypot scanner** via GoPlus security.
- **Live DEX trending** — new pairs & volume spikes.
- **Whale tracker** — large on-chain transfers.

### 3.2 Wallet-gated analyst tools (Pro)

Three premium surfaces are unlocked for users who connect an EVM wallet — a lightweight proof-of-presence that prepares the ground for token-gated access in Q4 2026.

- **Smart Money Tracker** — AUM and top holdings of curated high-performance wallets.
- **Holder Analysis** — 0-100 risk score from token concentration, LP locks, and contract flags.
- **Arbitrage Scanner** — real-time price spreads across DEXs and chains for liquid pairs.

# 4. Architecture

Rio is built on TanStack Start (React 19, Vite 7) with a serverless edge backend. The AI agent runs on the Lovable AI Gateway with tool-calling enabled, and on-chain data is aggregated through a single edge proxy that fans out to specialised providers.

<b>Frontend</b>	TanStack Start · React 19 · Vite 7 · Tailwind v4 · framer-motion
<b>Web3</b>	wagmi + viem · MetaMask, WalletConnect, Coinbase Wallet
<b>AI agent</b>	Lovable AI Gateway (Gemini 2.5 / GPT-5 family) with live tool-calling
<b>Backend</b>	Supabase Edge Functions (market-proxy, chat) on edge runtime
<b>Data sources</b>	CoinGecko · DexScreener · GoPlus · Ankr Advanced API · public RPCs
<b>Hosting</b>	Lovable Cloud (edge) · custom domain rioaiagent.com

## 4.1 Data flow

User → Rio AI Platform → (Free layer | Pro layer | Real-time engine) → (Standard visibility | **RIO token utility** | Live sentiment) → **Unlocked advanced analytics**: wallet tracking, whale alerts, custom alerts, deep research.

# 5. Roadmap

Rio is shipped in four phases — Foundation, Development, Token Integration, and Expansion.

<b>Q2 2026</b> Foundation — building the core system	<b>LIVE</b>
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- Initial on-chain data tracking (token creation, transactions)
- Early dashboard interface and core infrastructure
- Community channels launched
- Live price tracking & trending coins
- Fear & Greed sentiment index
- AI chat agent with live tool-calling
- Crypto news aggregator
- Long/short positioning data
- New listings discovery

**Q3 2026** Development — improving structure and usability

**LIVE /  
BUILDING**

- Multi-coin comparison view
- Portfolio P&L tracker
- Token unlocks & supply dilution tracker
- Contract address lookup across 12 chains
- EVM wallet connect (MetaMask, WalletConnect, Coinbase)
- Wallet scanner — multi-chain holdings & PnL
- Rug & honeypot scanner (GoPlus security)
- Live DEX trending — new pairs & volume spikes
- Whale tracker — large on-chain transfers
- **Wallet-gated analyst suite:** Smart Money, Holder Analysis, Arbitrage Scanner
- Enhanced data organisation, UI/UX refinements, beta testing

**Q4 2026** Token Integration — utility within the platform

**PLANNED**

- Launch of the Rio AI (RIO) token
- Token-gated access to advanced analytics features
- Feature unlocking based on on-chain holdings
- Continued platform improvements and provider expansion

**Q1 2027** Expansion — scaling the system

**PLANNED**

- Broader network support (additional EVM and non-EVM chains)
- Advanced analytics enhancements (custom alerts, watchlists, exports)
- Performance optimisation across the data engine
- Ongoing ecosystem development and integrations

## 6. Tokenomics

RIO is the utility token of the Rio AI platform. It gates advanced analytics, powers community rewards, and seeds deep liquidity from day one.

<b>Total supply</b>	1,000,000,000 RIO
<b>Network</b>	EVM (final chain announced at TGE)
<b>Initial unlock</b>	Liquidity only — all other allocations vested
<b>Team vesting</b>	24 months linear

Allocation	Share	Purpose
Community & Rewards	40%	Airdrops, staking, contributor incentives
Liquidity	25%	DEX liquidity, market-making, CEX listings
Treasury	20%	Long-term development & data partnerships
Team	10%	24-month linear vesting
Advisors & Partners	5%	Strategic partners and integrations

### 6.1 Utility

- Access to wallet-gated analyst tools (Smart Money, Holders, Arbitrage and more).
- Custom alerts and webhook integrations.
- Higher rate limits on the Rio AI chat agent and API.
- Governance over future data integrations and feature priorities.

## 7. Security & Trust

- Wallet auth is read-only — Rio never requests transaction approvals to view data.
- All security checks (rug, honeypot, LP lock) are sourced from independent providers (GoPlus).
- Edge functions enforce rate limits and validate every input before fanning out to providers.
- No private keys are ever stored. Wallet connections live entirely in the browser session.

## 8. Roadmap risks & disclaimers

This whitepaper is for informational purposes only and does not constitute financial, legal, or investment advice. Roadmap timelines are targets, not guarantees, and may shift based on market conditions, provider availability, and regulatory considerations. The RIO token is planned for Q4 2026 — any token referencing "Rio AI" before official announcement on [rioaiagent.com](https://rioaiagent.com) should be treated as unauthorised.

## 9. Get started

- Visit [rioaiagent.com](https://rioaiagent.com) and open the AI chat — no signup required.
- Paste any contract address to run an instant rug / honeypot scan.
- Connect an EVM wallet to unlock the Pro analyst suite.
- Follow the project for the Q4 2026 token launch and ecosystem updates.