Introduction

As you are aware, Arbitrum Orbit represents a Universe of Chains, an expansive ecosystem of interconnected blockchain networks.

Our proposal, The Arbitrum Universe Explorer

, aims to bring this universe under one comprehensive visualization tool. This innovative platform will track the total volume of messages exchanged between L1 and L2 chains over the last 24 hours, 7 days, and 30 days, offering a real-time view of the state and growth of the ecosystem.

Key Features and Benefits

1. Supporting All Arbitrum Orbit Chains

2. Seamless integration with existing and future chains within the Arbitrum Orbit ecosystem, ensuring comprehensive coverage.

3. Transaction and Block Exploration

4. Advanced search and view functionalities for transactions and blocks across all supported chains, providing detailed insights into blockchain activity.

5. Smart Contract Exploration

6. Allows users to view and interact with smart contracts deployed on any Orbit chain. This includes code inspection, function calls, and visualization of stored data.

7. Gas Tracker

8. Real-time tracking of gas prices and usage across the network, optimizing transaction efficiency.

9. Wallet Address Lookup

10. Search for wallet addresses and view their activity across all supported chains, enhancing transparency and accountability.

11. Rating and Security Scores

12. Community awareness, activation, and incentivization mechanisms, providing ratings and security scores for wallets and smart contracts. By leveraging the following Factors to Calculate Ratings and Security Scores.

13. Transaction History and Patterns

14. Frequency of Transactions

: A higher frequency of transactions can indicate active use and potentially higher trust.

- Transaction Volume:

Large transaction volumes can signify reputable wallets or smart contracts.

- Transaction Success Rate:

A higher success rate of transactions indicates reliability.

1. Contract Age and Usage

2. Age of the Smart Contract:

Older, well-established contracts are generally more trustworthy.

- Number of Interactions:

A high number of interactions can signify widespread use and confidence in the contract.

1. Audit and Verification Status

2. Third-Party Audits:

Contracts that have been audited by reputable third-party firms should have higher security scores.

- Formal Verification:

Contracts that have undergone formal verification processes.

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1. Intuitive Interface

User-friendly design that simplifies interaction and data visualization, catering to both novice and experienced users.

1. Visualisation of Ecosystem Growth

Detailed visualizations showcasing the growth and current state of the Arbitrum Orbit ecosystem, offering valuable insights for developers and stakeholders.

1. Increased Visibility for Orbit Chains

Enhanced visibility for all chains on Orbit, promoting engagement and participation within the ecosystem.

1. Easy Indexer for New Chains

Simplified indexing for all new chains launched on Orbit, ensuring they are quickly integrated into the explorer.

1. Foundation for Tracking Interchain and Interlayer Transactions

Establishing a basis for tracking all transactions across chains and layers, fostering a more interconnected and transparent blockchain environment.

Competitive Edge

While many ecosystems are working towards similar visualization tools, the Arbitrum Universe Explorer will stand out by leveraging the strengths of the Arbitrum ecosystem. A prime example of success in this domain is the Cosmos ecosystem's [Map of Zones](), which effectively tracks IBC volumes across chains. Our explorer aims to surpass this by offering more comprehensive features and integrations tailored specifically for Arbitrum.

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Orbit Ecosystem

1920×1194 88.6 KB

](https://global.discourse-cdn.com/standard17/uploads/arbitrum1/original/2X/6/677c56c426e0499a67ea163cd927fd881c27ee8c.jpeg)

Conclusion

We envision The Arbitrum Universe Explorer becoming the industry-leading block explorer designed for interchain analytics and operations. Providing unparalleled transparency and insight will be a critical tool for developers, stakeholders, and the broader community.

We look forward to your feedback and are excited about the potential this holds for the future of the Arbitrum ecosystem.