Ethereum Sequencing and Preconfirms Call #0 Notes

Meeting Date and Time: Friday, February 10, 2024 14:00 UTC
Recording: https://youtu.be/8xFVC9T9LR4
Notes taken by Drew Van der Werff 🙏
Additional Materials:
- Original post on Based Rollups
- Original post on Based Preconfirms

Summary

Actions Needed

- Get representation from other key stakeholders
- Set up recurring meeting
- Uri to set up call to go through each component / increase education of all participants
- Align on an event throughout the year to host on based sequencing / preconfirms
- Sync up on the technical details and understand the challenges / problems for implementation

Introduction of the Group

- Justin began by highlighting the most difficult part of based sequencing and preconfirmations ("these concepts") is likely social coordination versus the technical details. For this reason, he started this series of calls as well as aggregated a sheet with all the teams thinking / building around these concepts

Introductions from Attendees

- We began the call with introductions. Attendees spanned across MEV infrastructure, rollups, investors, and researchers
- Call participants were asked for introductions highlighting their previous experience, interest, conviction, and what they were building around these concepts

MEV Infrastructure

- MEV infrastructure participants highlighted they were excited about these concepts
- All noted that they were going through research and experimentation
- All noted that there was still a lot of experimentation around design choices that needed more exploration
- Some noted they were actively building products around these concepts

- Two teams noted that they had a product MVP / POC around preconfirmations in testnet

Rollups

- All teams noted that they were interested in preconfirms and based sequencing and that they were actively researching and exploring these concepts
- One rollup team noted that preconfirms in particular were important to their product to help create more consistency around posting to Ethereum
- One rollup team noted that they plan to launch a based rollup in the next few months. Once this is out, they will then explore implementations of preconfirms
- One rollup team noted that they had a grant program to help fund research around these concepts
- One rollup team noted that they believed preconfirms and based sequencing would be important to help solve the current fragmentation of rollups on Ethereum. They noted they were exploring these concepts alongside proof-aggregation

Investors

- All investors noted they were excited about based sequencing and preconfirms
- Two investors noted they have been researching various components around these concepts and how they could impact or be implemented in Ethereum

Researchers

- Researchers were excited to be part of the group and could see the unlock these concepts could have on users of Ethereum
- One researcher noted some skepticism around technical implementation details
- Another researcher noted their excitement and how preconfirms tied into blockspace futures research they pioneered over the last few years
- One researcher noted that he thought a lot more education would be needed to drive social consensus around these concepts

Infrastructure to Support Exploring / Implementation

- Events: ZuBerlin is a potential event to focus on these concepts
- Grants: Taiko is giving out grants, the Ethereum Foundation may also give grants, and Flashbots is offering grants around these concepts
- Education: Yuri offered to coordinate a session to go through the fundamentals of these concepts
- Hiring: Espresso, Flashbots, Nethermind, Sorella, Scroll, Aztec, and Fuel are hiring engineers and researchers for these concepts

Coordination

- Additional Stakeholders: Liquidity providers, applications, validators, wallets, hardware, restakers, exchanges
- Tools: Noted that it would be great if someone could have a demo / something we could work through with stakeholders to test these concepts
- Education: Need some type of standard we can point to so everyone is aligned
- Event: need to have an event focused on this

Annex

Attendance

- Uri Klarman
- Jonas Bostoen
- Francesco Mosterts
- Nicolas Racchi
- Lorenzo Feroleto
- Ben Fisch
- Ellie Davidson
- Daniel "Dmarz" Marzec
- Quintus Kilbourn
- Alex Tesfamichael
- Bartek Kiepuszewski
- Nathan Worsley
- Sacha Saint-Leger
- Conor McMenamin
- Swapnil Raj
- George Spasov
- Chris Haug
- Pascal Stichler
- Murat Akdeniz
- Cooper Kunz
- Lisa Akselrod
- David Mihal
- Sam Jernigan
- Mohammad Jahanara
- Brecht Devos
- Brendan Farmer
- Ludwig Van Beethoven
- Philippe Dumonet
- Karthik Srinivasan
- William Robinson

- Jonah Burian
- Drew Van der Werff
- Artem Kotelskiy
- Walt Smith
- David Rakušan
- Alex Stokes
- Justin Drake
- Julian Ma
- Facundö Indabera
- Matthew "mteam88" Edelen

Next meeting date and time

- Friday, February 17, 2024 14:00 UTC