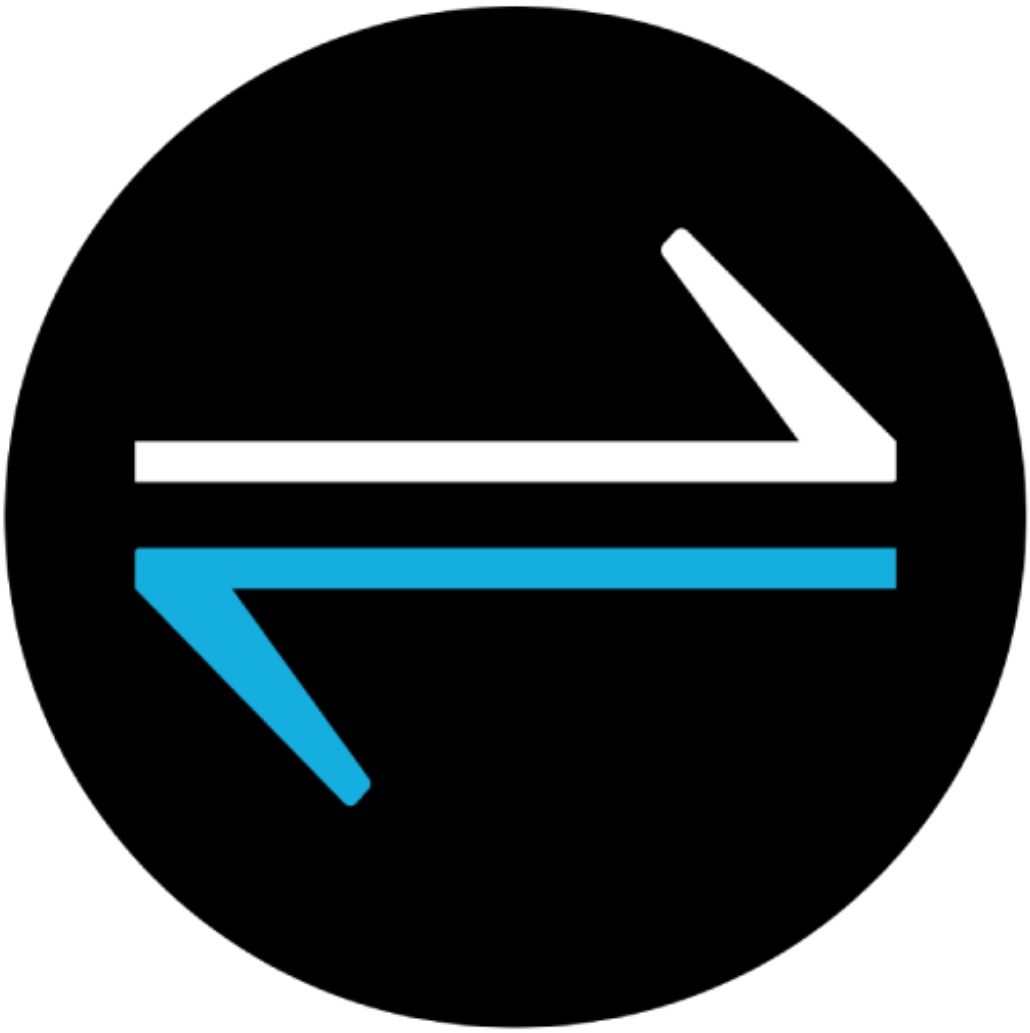

Private and Decentralized Oracle Nodes

Equilibria White Paper

2023

INTRODUCTION

Equilibria is an oracle network designed to strengthen other projects.

We aim to create a decentralized oracle network that other projects can use to strengthen their dApps and for us to build our own dApps. The Equilibria team will build "oracle clusters" - oracle functions that feed data to the blockchain. Over time, we will build a variety of oracle clusters that make it simple and secure to implement Equilibria's decentralized network on any project.

Introduction

Since the birth of cryptocurrency, decentralization has been the key fundamental aspect that drove its growth. Since then, the blockchain industry has evolved significantly and created an enormous ecosystem of different cryptocurrencies. In 2020, new projects often have unique objectives such as DeFi ecosystems like a stablecoin, or decentralized applications such as a DEX.

For many new projects to build their applications, they must retrieve data from somewhere. Oftentimes, the data being pulled is unreliable, entirely centralized, or the mechanics of pulling data is centralized. These methods have their benefits - they are easy to implement and generally work as needed. However, there are some downfalls to these sources - centralized data feeds can be altered, have downtime, have network issues, or even shut down entirely. If any of these problems were to occur, it could severely damage a blockchain, project’s network or decentralized app that relies on that data. This can especially hurt a blockchain project due to the difficulty of making rapid changes to the codebase.

A solution is to pull data in a decentralized manner through nodes that are capable of feeding data (Oracle Nodes). This allows for data to be pulled from any number of sources by every single oracle node on a blockchain network. Utilizing this type of data feed increases the security, reliability, and resilience of an entire network.

Building an oracle solution can be difficult and hard to implement while focusing on other objectives. An alternative solution would be to utilize a separate network that has already implemented such a system and can create oracle functions for them. It would take little effort from the project in need of a solution and increases the decentralization and security of the oracle provider. This idea of creating an oracle network designed for other projects is the core focus of Equilibria. To build such ecosystem would benefit a multitude of projects and creates an opportunity to strengthen the overall cryptocurrency ecosystem.

Equilibria will build Oracle Clusters on top of its Oracle

Node network - decentralized apps and oracle functions for projects to pull data. The first oracle cluster ready for production will be DELFI - a price tracking API that grabs price data from a variety of sources designed for projects such as stablecoins or DEX's.

EQUILIBRIA

Equilibria Oracle Nodes are defined as a community-run node that monitors data and relays it back to the blockchain. For providing this service, oracle node holders receive 50% of the block reward and other fees generated from the oracle clusters such as DELFI (Asset price tracking).

Anyone is allowed to run an Oracle Node by staking/locking XEQ as collateral for ~30 days. Staking ensures that oracle nodes are economically bound to the network, disincentivizing dishonest nodes. The reward also ensures that the Oracle Node network will continue growing and allowing for increased decentralization.

Oracle Nodes are also capable of creating a consensus. All of the nodes on Equilibria's network pull data and eventually decide what data is accurate. To do so, 51% of the Oracle Nodes must agree on the data being pulled. Our first implementation of this will be for DELFI. Price data is pulled from a variety of sources and the Oracle Nodes decide on an accurate resulting price.

DELFI

DELFI is Equilibria's asset price tracking oracle cluster. The goal is to create a secure decentralized API for assets that any project can utilize to strengthen their own projects. Initially, DELFI will track cryptocurrencies, metals, and fiat currencies. Later on more assets may be introduced. Fees Generated by DELFI are rewarded to Oracle Nodes on the network.

The main use-cases for DELFI are:

• Decentralized API for use by anyone.

• Stablecoin projects to further decentralize their network and gather data more reliably.

• Asset management projects such as a DEX where the exchange can consistently pull reliable data.

• The network is rewarded for sidechain usage.

DELFI works by pulling data through each of the oracle nodes running on the Equilibria blockchain. Data is pulled from a large variety of API's for each asset. The nodes then compute that data and combine it to come to a consensus for what the price of each asset is. The data is then stored on the blockchain and anyone can access it directly or through the DELFI interface.

GROWTH STRATEGY

Overview

Equilibria's foundations allows for expansion in many different directions. Projects that can be integrated and built on the blockchain can range from DeFi to decentralized applications. There will be many opportunities in the future for new oracle clusters to be added to the blockchain, or to have other projects utilize Equilibria Oracle Node for a unique use-case.

The majority of marketing for Equilibria will be done around its Oracle Clusters aside from utilizing social media, discord/telegram communities, and direct interactions between Equilibria and other projects. This paper briefly goes over our plans for oracle clusters.

DELFI

DELFI is an asset price tracking oracle cluster designed for other projects to utilize to further strengthen their blockchain networks. We will primarily use outreach and the Equilibria community to kick-off DELFI. Initially, we will be looking for stablecoin projects that need a better solution for gathering their price data.

After some initial traction is gained for DELFI, we will then look to expand our horizons into other asset derivative and DEX projects. Around the same time, we will be adding an interface for DELFI to allow for easy use and accessibility so anyone can easily implement DELFI into any project they are working on. The end-goal for DELFI is to make it easy for any person or project to start using its decentralized pricing data for crypto, metal, and fiat currency.

Through each "partner", we will look to cross-promote and collaborate to benefit both projects. We have no plans to advertise DELFI directly but to utilize WoM, community, and project to project relationships.

EQUILIBRIA

By marketing our oracle clusters, we believe that Equilibria will grow in a correlation with those oracle clusters and become stronger with every new user or partnership formed. As we make further development, we will focus heavily on PR, community, and business development to bring more attention to Equilibria as a whole. Bringing more cryptocurrency miners and investors will help make the network stronger and grow the Oracle Node network.

ROADMAP

Q3 2020

Rebase:

Update to Monero v16

Q4 2022

New project owner John

New developers

New website https://equilibriacc.com

Q1 2023

Fix 65K staking bug

Electron wallet update

Codebase optimizations

Q2/Q3 2023

New wXEQ3 token swap

Pythia XEQ <-> wXEQ3 bridge

Electron wallet implementation for Pythia bridge

Codebase optimizations

Q1 2024

Oracle storage

Codebase optimizations

Subscription model for Delfi and swaps

FAQ

Q: How old is Equilibria?

A: First block was mined 2018-10-31 19:33:06 (1541014386) UTC (epoch)

Q: Who is working on the project?

A: As of right now there, 5 members developing the project. John is owner of this project and CEO. Other developers remain anonymous. We have also managed to secure support from another project developers like Michal vel M@lbit and ArqTras.

Q: How can I contact the team?

A: You can contact us through one of our community channels (Discord or Telegram) or directly via email. All links are available in the Resources section below.

Q: What is an Oracle Cluster?

A: An Oracle Cluster is an oracle function built on Equilibria's Oracle Node Network.

Q: How can I start an Oracle Node?

A: A tutorial can be found on our wiki:

https://github.com/EquilibriaCC/Equilibria/wiki/How-to-Setup-an-Equilibria-Service-Node

You can go also visit the explorer to see the current cost of a node and how many are currently running on the network:

https://explorer.equilibriacc.com/

TECHNICAL INFO

- Difficulty Algorithm: LWMA v3
- Max Supply: 84,000,000
- Algorithm: CN-GPU
- Port: 9231
- P2P Port: 9230

Emission

Equilibria's current emission schedule is static – max 17 XEQ will be emitted each block and split between miners and oracle node holders.

Pre-mine originally owned by Harrison

Equilibria originally had a 3M XEQ pre-mine when the project first began in 2018. After the original team came back 7M XEQ was distributed for the development of Equilibria and its Oracle clusters in addition to marketing the project.

Old team also distributed a wXEQ token sale of 8M+ wXEQ swappable to XEQ

After new team took over we have decided to any developer who make code to equilibria as a collaborator will be paid by network. For such cases we did new reward to be generated every 2 weeks. Amount will be visible throughout explorer and view only key in HF 17

Token swap emission

To provide token swap there will be emission of wXEQ3 tokens equal to current wXEQ, this swap will be in investigation by third party viewers to get as much details about history. Our goal is to do fair swap and keep investors satisfy.

RESOURCES

Website: https://equilibriacc.com

Explorer: https://explorer.equilibriacc.com

GitHub: https://github.com/equilibriacc

Telegram: https://t.me/EquilibriaCommunity

Announcements: https://t.me/EquilibriaAnnouncements

Discord: https://discord.gg/Ps9pBmc2QX

Trello: https://trello.com/b/G692ugky/xeq