

Flexpool.io Progress Report — February 2021

Abstract

During the month, Flexpool has experienced a large growth in its userbase. This has provided an essential foundation for our growth plans and has allowed for steady block rewards which allows us to display the technological difference between Flexpool and other pool's. Inside 2021's February Progress Report — we review the events and progress made in February.

Key events

- **Profitability**

This month was profitable for our miners. Over the month of February, a 1 GH/s miner on Flexpool made 2.03 ETH, **3%** more than what miners on the biggest Ethereum pool made (1.97 ETH).

- **EIP-1559 Community Call**

In January, Flexpool formally announced its opposition to EIP-1559 which brings some much needed UX improvements to the Ethereum network but also proposes to burn gas rewards to miners which will result in a 50%+ decrease in miner revenues. We have raised our concerns with the core developers and have discussed the risks to the security for the Ethereum Network caused by a large decrease in miners and centralization of mining due to decreased profitability. Chris K. attended a community call along with other ETH stakeholders/developers to discuss these concerns.

- **Miner Extractable Value**

During the EIP-1559 Community Call a few Eth stakeholders recommended that miners look into techniques for Miner Extractable Value (MEV) to boost their income. We have pushed MEV to the top of our schedule and are currently researching/developing options for an initial release. Please note that MEV technology is currently very new and the estimates given are theory. We believe our initial release will provide a 5-10% boost at most to our miners rewards. We intend to pursue other avenues to increase MEV income for our miners and eventually hope to provide a 20-30% boost to income.

- **New Brazil Region Opened**

Flexpool increased its commitment to the international mining community in poorly serviced areas by opening a full-size region in South America. We believe that miners deserve a first-class partner to help them leverage their investment. For that reason, Flexpool keeps studying opportunities to bring our excellent software and hardware wherever miners demand it.

- **Hashrate Growth**

This month Flexpool passed 1 TH/s. Starting the month with 700.57 GH/s, the pool experienced a **221.43%** net growth reaching 1.55 TH/s by February 28th.

Audit

Note: The percentages are relative to the previous month.
We have collected pool data for February 2021.

Total Ether Mined

In February 2021, **Flexpool** mined **601** blocks (**+459%**) worth **2510.2681 ETH** (**+495%**) in total.

Hashrate Evolution

This month we experienced a large increase in hashrate. The average hashrate for February was 1.24 TH/s (**+583**) ranging from 1.24 TH/s (**+6641%**) to the maximum daily average of 1.55 TH/s (**+226%**).

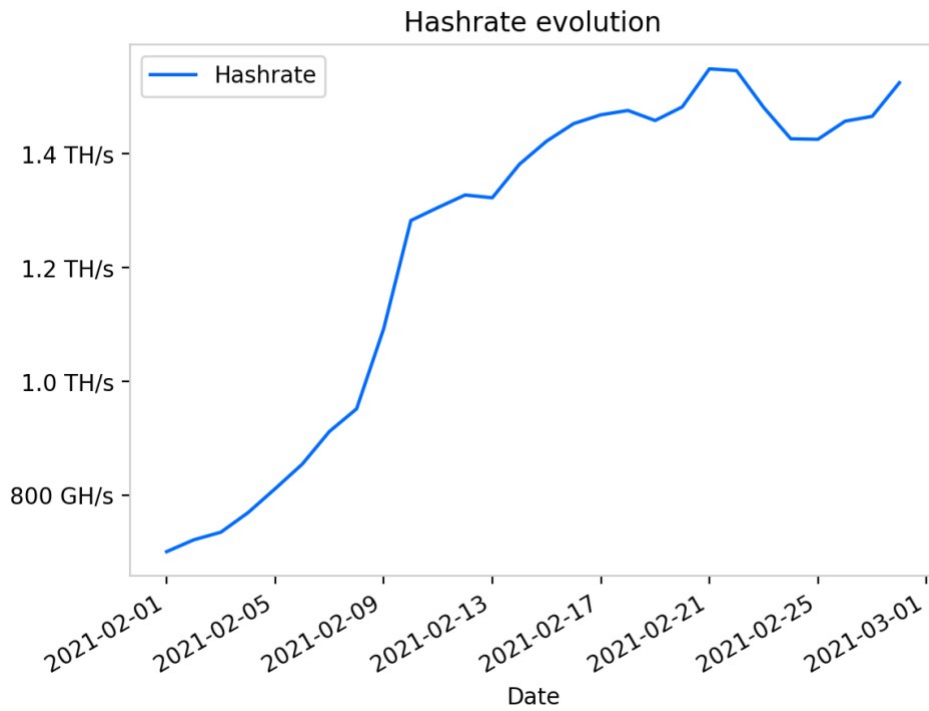


Figure 1. Hashrate growth from February 1st to February 28th.

Miner Count

Miners on Flexpool have also increased correspondingly. Flexpool has attracted a mix of small miners with a few cards to large commercial mining interests.

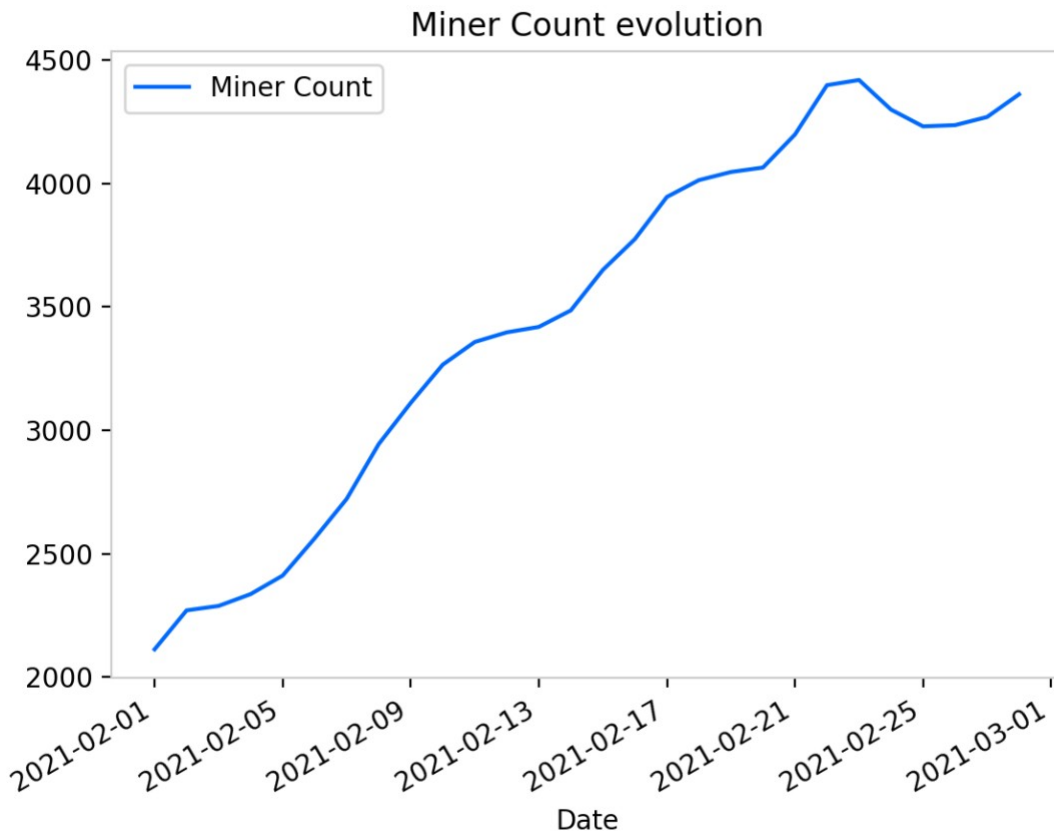


Figure 2. Miner growth from February 1st to February 28th.

The minimum daily count was 2112 miners (+3985%), the max count was 4420 miners (+213%), and the overall monthly average was 3486 miners (+550%).

Block rewards

The block with the highest reward (**14.1975 ETH**) was mined by 0x47D99a40abDBa80caFfAdf32429406023624af65 on Feb 22 2021, 14:40 UTC.

The block with the lowest reward (**1.5 ETH**) is an uncle that was mined by 0x7559796636F5a8103a6e7fa9bD53870B360Cca68 on Feb 1st 2021, 18:40 UTC.

The mean reward was **4.18 ETH** (+108%).

Top block finder

February's top block finder was 0x4368d11f47764B3912127B70e8647Dd031955A7C, who mined 93 blocks worth **383.94 ETH**.

Average Luck

February's mean luck was **100.04%** in a 28-day period (lower is better).

Incidents & Maintenances

Maintenances

- [Stats Database Migration](#), this scheduled maintenance affected: Website, and API. Objective: better integrate the Database Server in our infrastructure. Mining was not affected. Duration: 0 hours 31 minutes. Date: Feb 17, 2021 11:44 – 12:15 UTC
- [Second-Part of the Stats Database Migration](#), this scheduled maintenance affected: Website, and API. Mining was not affected. Duration: 1 hour 42 minutes. Date: Feb 17, 2021 16:48 – 18:30 UTC

Incidents

- [Connectivity Issues on the eth-sq.flexpool.io Region](#), duration: 13 minutes Date: Feb 06, 20:47 – 12:00 UTC

Roadmap

- **Columbia** — First part of the MEV integration. Allowing bonus rewards to our miners. *Work-In-Progress*
- **Challenger** — Complete website revamp. Multi-Coin capability. *Work-In-Progress*
- **Discovery** — Second part of the MEV integration. Additional bonuses and indirect rewards. *Work-Being-Planned*
- **Atlantis** — Altcoins. *Studying Integration Order*
- **Endeavour** — *Top secret*