

Flexpool.io Progress Report — April 2021

Abstract

During the month of April, Flexpool experienced growth primarily through a small group of people running Nicehash bots. They have compared Flexpool to other pools and see the additional profit margin we provide over what the Nicehash market is priced for. This has allowed for steadier daily block rewards, with us now averaging 100 blocks a day. However, it is clear that block rewards are down from March, with the average being 3 ETH or less by the end of April. Inside April's Progress Report — we review the events and progress made in April.

Key events

- **Profitability**

This month was very profitable for our miners. Over the month of April, a 1 GH/s miner on Flexpool made 1.45 ETH.

- **MEV Enhancements**

While we do not wish to go too much into detail, we've added additional sources of MEV over the month. Over the month of April, Flexpool made 202.7787 extra ETH from MEV. The largest single MEV bundle was Block 12150365 with 27.04409 ETH. In total, there were 794 MEV bundles included in Flexpool blocks for an average of 0.255389 ETH per MEV bundle.

- **New East Asia Region**

To provide the lowest stales and fastest connection to several miners in East Asia, we opened a region in South Korea. There are several direct undersea cables from Korea to East Asia, allowing for coverage of a large area. With fear among miners growing in East Asia due to government crackdowns on crypto mining/exchange, we felt it was necessary to provide a region that is safe for mining. The reality is that every pool can generally see the IP and location of who is mining on it, and we fear for several miners who are mining on pools with data centers that are logging miner's data and forwarding that data to the local government for possible future action.

- **Beta Website Release and Development**

Due to popular demand, we released a Beta of our new website at beta.flexpool.io. This website integrated many of the suggestions and requests we have received from the community. We are currently taking feedback from our miners, mainly in our discord, so that we may polish the website for a full release. And the end of April, we also launched a volunteer-driven website to translate the website so that miners in every nation may mine in their own tongue. We appreciate everyone who has contributed to this effort. You can view the contribute here: <https://crowdin.com/project/flexpoolio-website>

- **Hashrate Growth**

This month Flexpool briefly passed 10 TH/s. We have experienced **238%** net growth reaching a 7.17 TH/s daily average throughout April. The max daily average was 10.24 TH/s.

Audit

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

Total Ether Mined

In April 2021, Flexpool has mined 2620 valid blocks worth 9741.978 ETH and 132 Uncles worth 226.5 ETH for a total of 9968.478 ETH mined or 3.622267 ETH per block and an uncle rate of 4.7965%. Adding in our MEV income, there was 10171.26 ETH total for 3.695951 ETH per block.

Hashrate Evolution

This month we experienced a significant increase in hashrate. The average hashrate for April was 7.17 TH/s (+238%), ranging from 4.24 TH/s (+266%) to the maximum daily average of 10.24 TH/s (+179%).

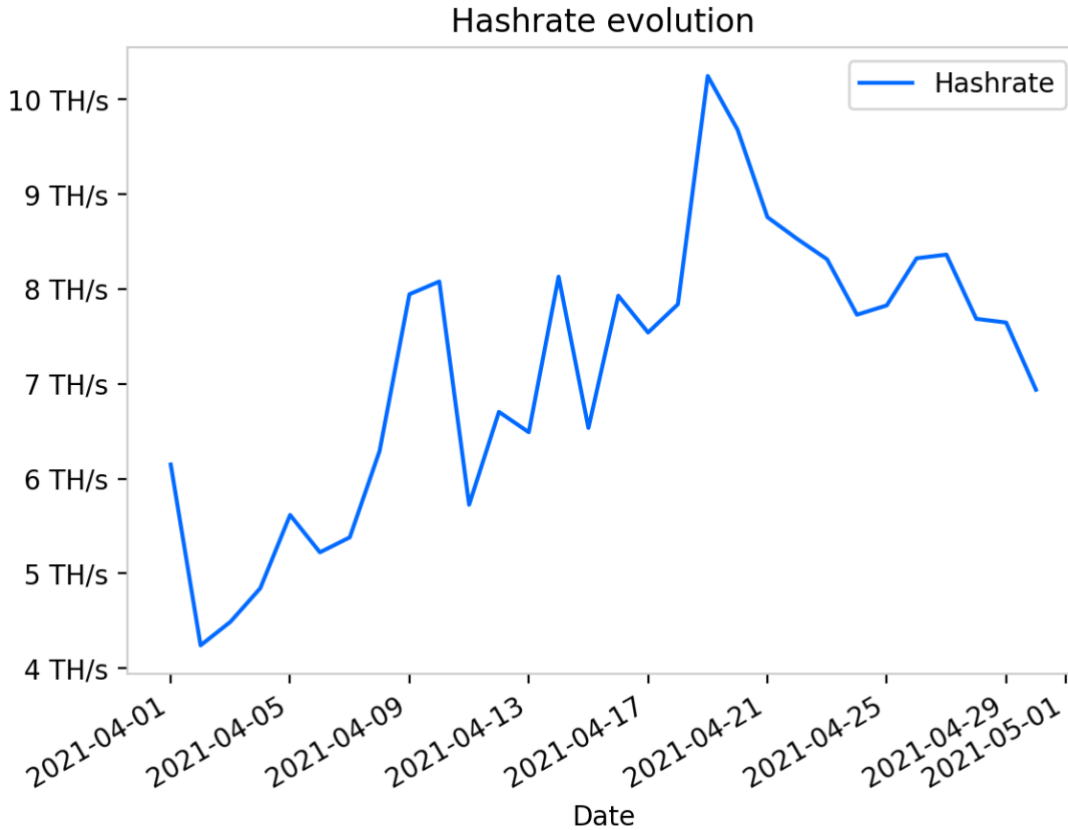


Figure 1. Hashrate growth from April 1 to April 30th.

Miner Count

Miners on Flexpool have also increased. However, the largest growth in hashrate has come from miners regularly buying Nicehash using bots.

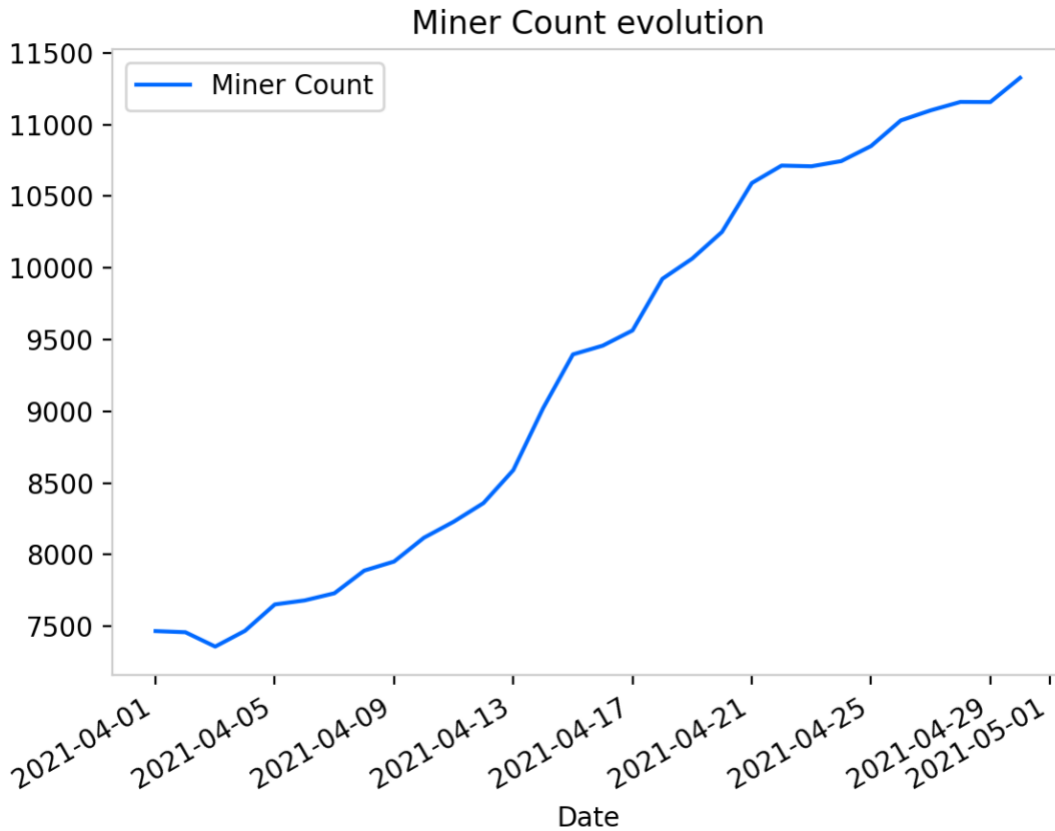


Figure 2. Miner Count growth from April 1 to April 30th.

The minimum daily count was 7359 miners (+158%), the max count was 11326 miners (+154%), and the overall monthly average was 9301 miners (+159%).

Block rewards

The block with the highest reward (**45.51 ETH**) was mined by 0x4368d11f47764B3912127B70e8647Dd031955A7C on April 7th 2021, 11:25 UTC.

The mean reward was **3.67 ETH** (-5.6%).

Top block finder

April's top block finder was 0x897725d538c796a22C76646FBdB48D9b57CEB2FF, who mined 367 blocks worth **1318.14 ETH**.

Average Luck

April's mean luck was **100.08%** in a 30-day period (lower is better).

Incidents & Maintenances

- [Outage across the pool](#) — Apr 2, 11:06 - 16:56 UTC, duration: 5 hours 50 minutes.
- [Issues with payouts](#) — Apr 8, 21:39 - 21:53 UTC, duration: 14 minutes.
- [Performance Degradations in US-East and US-West Regions](#) — Apr 14, 16:02 - 21:32 UTC, duration: 5 hours 30 minutes.
- [ETH-DE Server Upgrade](#) — Apr 18, 13:00 - 13:30 UTC, duration: 30 minutes.
- [ETH-BR Server Upgrade](#) — Apr 18, 15:20 - 16:12 UTC, duration: 52 minutes.
- [Stats issues on Brazil Region](#) — Apr 21, 15:15 - 15:46 UTC, duration: 31 minutes.
- [Major Software Upgrade Across All Regions](#) — Apr 21, 23:16 - Apr 22, 01:19 UTC, duration: 1 hour 3 minutes.
- [ETH-DE node issues](#) — Apr 28, 10:07 - 10:36 UTC, duration: 29 minutes.
- [Issues with the v2 Website API](#) — Apr 29, 10:08 - 10:27 UTC, duration: 19 minutes.

Roadmap

- **Columbia** — First part of the MEV integration. Allowing bonus rewards to our miners. *Completed*
- **Challenger** — Complete website revamp. Multi-Coin capability. *Open Beta*
- **Discovery** — Second part of the MEV integration. Additional bonuses and indirect rewards. *Work-in-Progress*
- **Atlantis** — Altcoins. *First Coin in Development With the Launch Planned Soon*
- **Endeavor** — *Top secret*