

Flexpool Progress Report — December 2020

Abstract

We are glad to announce our last 2020's Progress Report — we made many internal improvements at the inner side of Flexpool and made progress on the new Flexpool website.

Key events

- **Initiated Infrastructure Upgrade for reducing uncle rates**

During this month, we did hit a lot of uncles, which is basically unacceptable for our project. Due to this, we decided to migrate to a better infrastructure that will allow us to build a global network, thus reducing stale rates even more while achieving the lowest uncle rates.

Audit

Note: The change percentages are relative to the previous month.

We have collected the pool data for the whole of December 2020.

Total Ether Mined

In December 2020, **Flexpool** mined **11** blocks (+37%) with **28.1816 ETH** (+27%) in total.

Hashrate Evolution

The average hashrate for the December period was 13.3 GH/s (+15%), ranging from the minimum daily average of 9.76 GH/s (+16%) to the maximum daily average of 24.94 GH/s (+35%).

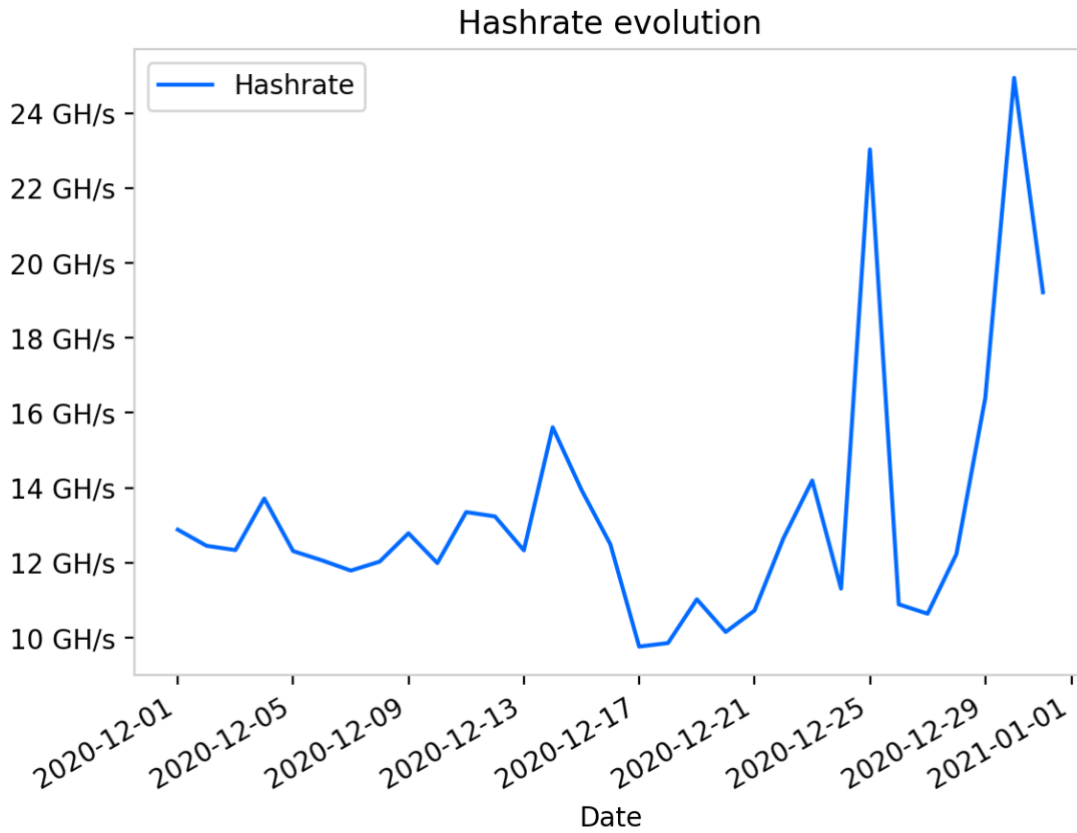


Figure 1. The hashrate evolution from Dec 1 until Dec 31.

Miner Count Evolution

Another month, another **Flexpool** miner count record. We managed to achieve the maximum of 48 miners this month, making it the highest amount of miners concurrently mining on **Flexpool** we ever had.

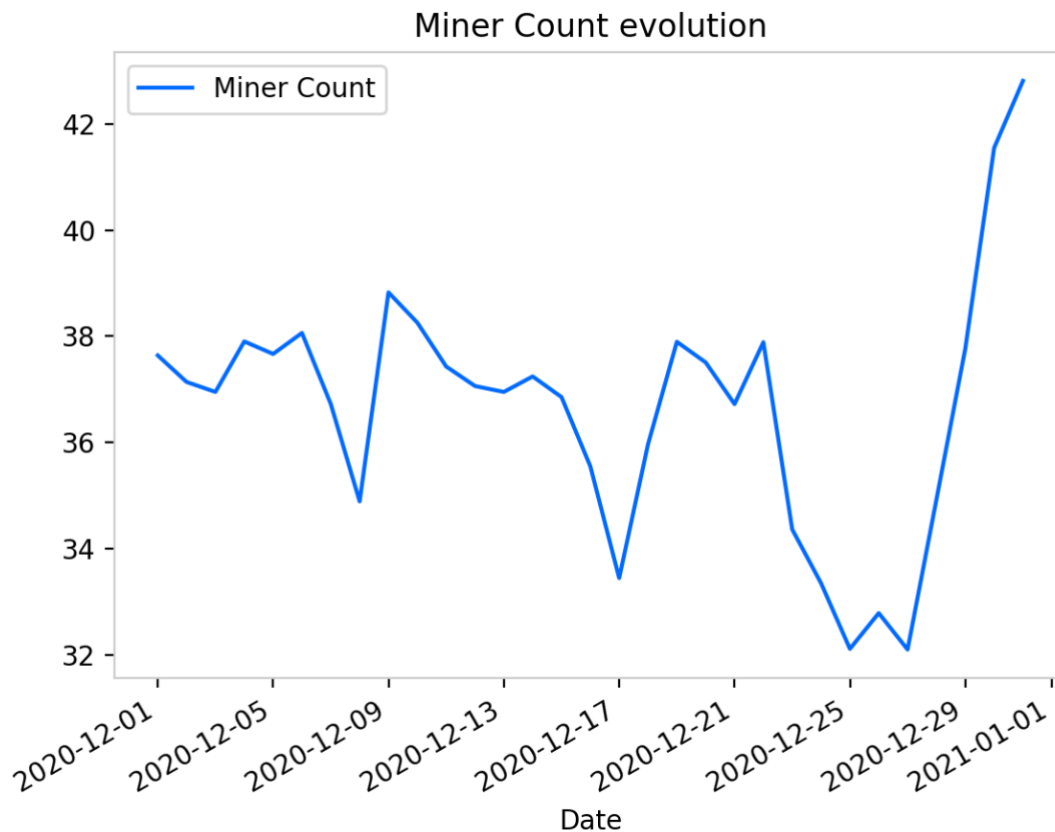


Figure 2. The miner count evolution from Oct 1 until Oct 31.

The minimum daily average was 32 miners (+18%), the max average was 43 miners (+8%), and the overall monthly average was 37 miners (+12%).

Block rewards

The block with the highest reward (**3.4 ETH**) was mined by 0x44d2b06C1d974C1D0102351257950abb12EE7093 at Dec 30 2020, 10:05 UTC.

The block with the lowest reward (**1.75 ETH**) is an uncle that was mined by 0x1eE38cB3cE2AAeb584b05Eb8c5dbc1789F01Fc7E at Dec 16 2020, 17:17 UTC.

The mean reward was **2.56 ETH** (-7%).

Top block finder

The December's top block finder was 0xbfCd0d5180172f5aFfCf1A35Fa167499699F923c, who mined 2 blocks with the total reward of **4.6 ETH**.

Average Luck

December's mean luck was **85%** (lower-is-better).

Incidents & Maintenances

Maintenances

- [Geth Node Upgrade](#), Duration: 1 hour. Date: Dec 01, 14:30 – 15:30 UTC.
- [AS Gateway Server Maintenance](#), Duration: 1 hour. Date: Dec 15, 08:30 - 09:30 UTC.
- [AS Gateway Infrastructure Upgrade](#), Duration: 4 hours 42 minutes. Date: Dec 15, 10:10 - 14:52 UTC.

Incidents

No incidents occurred during this month.

Note: All maintenances and incidents did not result in the pool downtime.

Roadmap

- **Flexpool 1.5** — High-Performance Worldwide Distributed Infrastructure will allow everyone to have the lowest latency possible while achieving the industry's lowest uncle rates. *Work-In-Progress*
- **Flexpool 2.0** — Complete website revamp. Multi-Coin capability. *Work-In-Progress*
- **Flexpool 2.5** — Altcoins.
- **Flexpool 3.0** — *Top secret*