



GajuMining is the mining effort for the Proof-of-Work network Groot on the Gajumaru blockchain.

Groot is short for “Gajumaru Root,” the top of the financial authority graph of the Gaju—the default currency of the Gajumaru system. Groot is the only chain in the system with the authority to mint Gajus.



Groot

What We Are Doing

Phased mining.

Phase 1: Whitelist Mining

The initial phase of mining occurs in access-restricted mining hives, with participation in each hive governed by an on-chain whitelist contract.

This novel approach solves a number of problems with bootstrapping a PoW chain in the era of megaminers, rabid speculation, and predatory investment.

Phase 2: Hive Handover and Transition to FFA Mining

In phase two, the hives are opened to the public. Apart from mining becoming entirely free-for-all, the creation of new hives, leveraging the GajuMining infrastructure if desired, is also open to all.

A discussion of the rationale behind this approach follow.

Problems Addressed by Phased Mining

Mining Dominance and Coin Distribution

New PoW blockchains are vulnerable to severe mining power imbalances where a single large miner can easily dominate a new PoW system entirely, which causes a major imbalance in the distribution of the currency being mined early on. If distribution is not managed well, there is little hope of the currency becoming current. This discourages participation in commerce and mining.

The goal of early mining is to achieve a relatively even distribution of mined Gajus across a large number of accounts in an organic manner. To achieve this goal, mining on Groot is subject to a participation whitelist until core implementation of Groot itself is complete.

Project Funding

To avoid predatory investment practices corrupting the trustless nature of Groot, QPQ AG has been cautious in its search for investors. The sale of rate-limited mining licenses which permit access to the mining whitelist has been implemented instead as an alternative to making a broad appeal to investors in the crypto space.

QPQ AG is not opposed to investment, but considers alignment of vision an important factor when accepting involvement of an investor.

Groot Development Lifecycle

Once core implementation is complete on Groot, Groot's protocol will be frozen and only bug fixes and performance enhancements will be pushed to the Groot node definition, not new core features.

Gajumaru has very high performance even on Groot, but no single chain can accommodate global commerce, which is why the key to Gajumaru scaling lies in Associate Chains (ACs). Initially Groot will be handling all forms of commercial activity directly, but over time as mempool contention drives up the cost of transacting, it is expected that the majority of regional and per-sector commerce will occur on ACs, with Groot acting as a high-throughput interchange for the Gaju.

Innovation is not halted or complicated by governance issues as with existing systems, but rather moves smoothly to the ACs.

Lifecycle of GajuMining.com

During the whitelist period

The purpose of gajumining.com is currently the sale of mining licenses and providing tracking dashboard and payout functionality for miners.

Miners are organized into "hives", each of which is in competition with the others. Until the sum of all mining rewards exceeds the total of block rewards, all miners should achieve their daily mining cap. Once the sum of all mining rewards exceeds the total of block rewards, hives and miners will find themselves in direct contention. Once contention is achieved, maximization of daily mining reward caps will require application of sufficient mining power to warrant full reward payouts.

Prior to contention, unclaimed Gajus are collected into vault contracts.

Unclaimed pre-contention funds are earmarked for:

- Price stability operations to prevent radical price spikes
- Feature bounties
- Security bounties
- Performance bounties
- Operational funds
- Community support

Stability operations will conclude once the stability fund itself is exhausted. Other accumulated funds which go unused will be repurposed toward stability operations if necessary.

After the whitelist

At the end of the mining whitelist, gajumining.com will become a reporting interface for all public mining efforts on Groot and provide information and software for mining. The ultimate goal is to provide a simple path to mining for individuals as well as organizations, and the establishment and management of additional public hives.

About Gajumaru

Gajumaru blockchain



Gajumaru was created as a means to an end: to fulfill the original intents behind the creation of blockchain technology and cryptocurrency. Gajumaru is a blockchain that actually works, with the Gaju serving as a currency that actually flows and functions not just as good as, but better than traditional currency.

Developed by QPQ AG (<https://qpq.swiss/>)



The goal of QPQ AG is to foster fair-market trade for all.

Blockchain technologies provide a great avenue to approach such a lofty ideal, but the technology has been consistently lacking. Instead of fostering real-world commerce on chain, the crypto space has been dominated by financial speculation and off-chain alternatives.

QPQ's business model is to launch a series of revenue-bearing products that operate directly on-chain (marketplaces, PoS payment options, financial services, etc.). As no chain has yet been viable, this leaves a hole in the business plan. QPQ is therefore launching the Gajumaru as the needed viable alternative and basing its commercial products on the Gajumaru, with the intent to shift the collection of commercial revenue to Gajus.

QPQ AG is a Swiss company formed by tech veterans with decades of experience.

Relevant Applications:



GAJUMINE

GajuMine

GajuMine is the interface for mining Gajus (link to downloads). Available for MacOS, Windows, and Linux.

GajuDesk



GajuDesk is a simple wallet for managing Gajumaru accounts and signing transactions. It can also be used to generate, make calls, and dry-runs to on-chain contracts.

Relevant websites



GAJUMINE



GAJUMARU



gajumining.com