MONTHLY REPORT #30

NOVEMBER 2024

NOTRUSTVERIFY.CH

Here is a summary of work done by No Trust Verify since our last report

01 NOVEMBER

We have added new features to Yodh to make the experience more flexible and secure:

- Withdraw gifts to a different address
- Track percentage of ALPH price changes since gift creation
- Lock gifts until a chosen date

04-06 NOVEMBER

We had created and launched two click and observation challenges that required no coding skills. Participants had the opportunity to try their luck and win $ALPH rewards.

14 NOVEMBER

We proudly supported Alephium in their challenge featured in the November issue of the BTCTKVR Privacy Magazine. You can check it out here: https://bitcoin-takeover.com/privacymag/

ALEPHIUM: THE FUTURE OF PRIVACY TECH ON A SCALABLE POW BLOCKCHAIN

Alephium is a pioneer PoW L1 that scales security and programmability without sacrificing decentralization to expand the possibilities for tokens, smart contracts, and dApps. Those properties, along with an engaged community, have produced a vibrant and quickly expanding ecosystem of DApps, services, tools, and builders.

ALEPHIUM IN SHORT

Scalability: BlockFlow, a novel sharding algorithm, natively supports more than 10,000 transactions per second while preserving a seamless "single-chain" user experience.

Security & programmability: custom Virtual Machine and optimized smart contract language mitigates common attack vectors and development pitfalls, providing developers and users with a secure and useful environment.

Decentralization & energy consumption: Proof of Less Work is a robust consensus mechanism for achieving decentralization while reducing the energy consumption by over 87% compared to the "classic" Proof of Work.

Dynamic & connected ecosystem: Bitmain, IceRiver & others have released ASIC miners for Alephium, exponentially boosting its network hashrate and security. Alephium also integrated with DIA's cross-chain oracle, strengthening its position as the leading PoW smart contract platform by Total Value Locked (TVL), paving the way for further DeFi innovation. Integration with Ledger and Onekey Hardware wallets complete the recent news & expand its users horizon.

A blooming ecosystem: There are several dozen dApps live on network, a bridge to/from Ethereum with tens of millions in TVL (and more coming), hundreds of thousands of active addresses, NFT projects as well as a very engaged (and lovely) community! It's very much alive.

But that's just the beginning: Alephium evolves constantly, gets regular network upgrades that introduce significant improvements (like dividing the block time by 4 last time…). And Alephium is a welcoming platform for developers interested in building privacy-enhanced solutions on blockchain. And here's why:

PRIVACY TECH BUILDERS UNITE!

Start with the vision: Alephium places a very big premium on doing things pragmatically & for the right reasons. Which is why it focuses so much on keeping the network decentralized, provides very lightweight nodes, everything is open-sourced, and it lives by KISS and builds in public. Privacy tech is (and will be) important to retain the decentralized, censorship resistant of the coming times, and Alephium welcomes builders who make it their work.

The tech stack is privacy-ready: Combining the natural advantages of a UTXO chain for privacy, with a security-focused asset permission system, and a dev-friendly powerful DSL language (Ralph) allows developer to focus on what matters when building, while providing with a great deal expressivity inside a secure programming paradigm.

Schnorr: Alephium's cryptographic framework is fortified with Schnorr signatures, an efficient and secure alternative to traditional ECDSA signatures. Schnorr signatures provide smaller signature sizes and enable signature aggregation, enhancing transaction efficiency. Importantly, they facilitate privacy-enhancing protocols such as CoinJoin, which mixes multiple transactions to obscure their origins and destinations, thereby enhancing user privacy.

Nostr: Alephium also supports Nostr, an open social media protocol. It provides a foundation for secure, censorship-resistant communication within its network and facilitates decentralized, private interactions, further demonstrating Alephium's commitment to fostering privacy both on and off-chain.

Tell me who your friends are: Alephium's vision for privacy doesn't stop at technical features; it is actively building partnerships and expanding its ecosystem to accommodate a wide range of privacy-enhancing use cases. For instance, Alephium is one of the chains capable of using NYM's mixnet to connect the wallet to the wallet backend with enhanced privacy.

Solve this. Earn $ALPH.

Delastelle could have said: "What everyone values, but often forgets until it's gone."

No hint +21 bpmirceftbuqrqk11

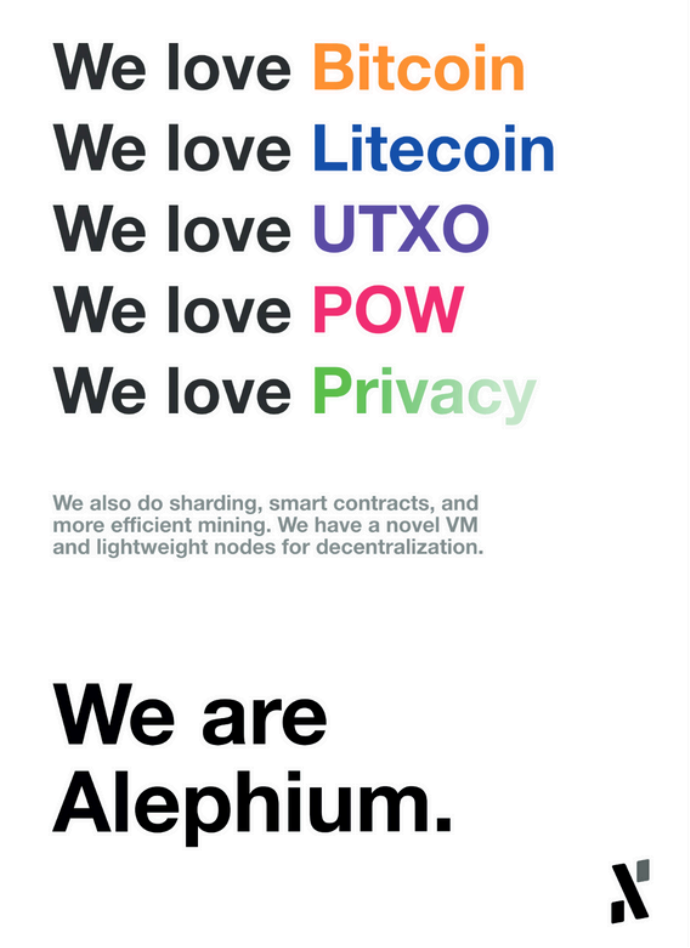
ZK, and more to come: Alephium's roadmap emphasizes expanding privacy features alongside its focus on scalability and decentralization. This includes implementing new elliptic curves to strengthen cryptographic security and support Zero-Knowledge (ZK) technology, which potentially allows succinct verification of transactions without exposing sensitive data. Alephium also plans to introduce advanced signature schemes to enhance the signature aggregations. These privacy enhancements will safeguard identities and transaction details while maintaining network efficiency

Tell us what you need! Devs are always listening to feedback & needs from builders, the feedback loop cycle is fast & efficient.

JOIN US TO BUILD PRIVACY TECH ON ALEPHIUM

Alephium is building the future of the scalable layer 1. It wants to provide the best protocol on which to build privacy tech. Its unique combination of advanced cryptographic standards, the sUTXO model treating tokens as first-class citizens, and commitment to security features like the Asset Permission System make it an ideal platform for developers and users. Its privacy- related features, devs and community provide a sound foundation for privacy-mindful developers to build their tools/dApps.

Come build the future of privacy tech on Alephium. Tell us what you need, dive into our documentation, join our Discord server and apply for a grant! Find us at alephium.org.



20 NOVEMBER

As a Guardian of the Alephium Bridge, we are proud to contribute our infrastructure expertise to the launch of the new bridge connecting Alephium and the BNB Chain, which complements the existing bridge on Ethereum.

21 NOVEMBER

We have created a tutorial thread on how to use the Alephium Bridge, the essential tool for seamlessly transferring your assets between Alephium and the BNB Chain.

You can check it out here:
https://x.com/notrustverif/status/1859531672691130463

IMPORTANT INFORMATION

Important Information for our NYM Delegators !!

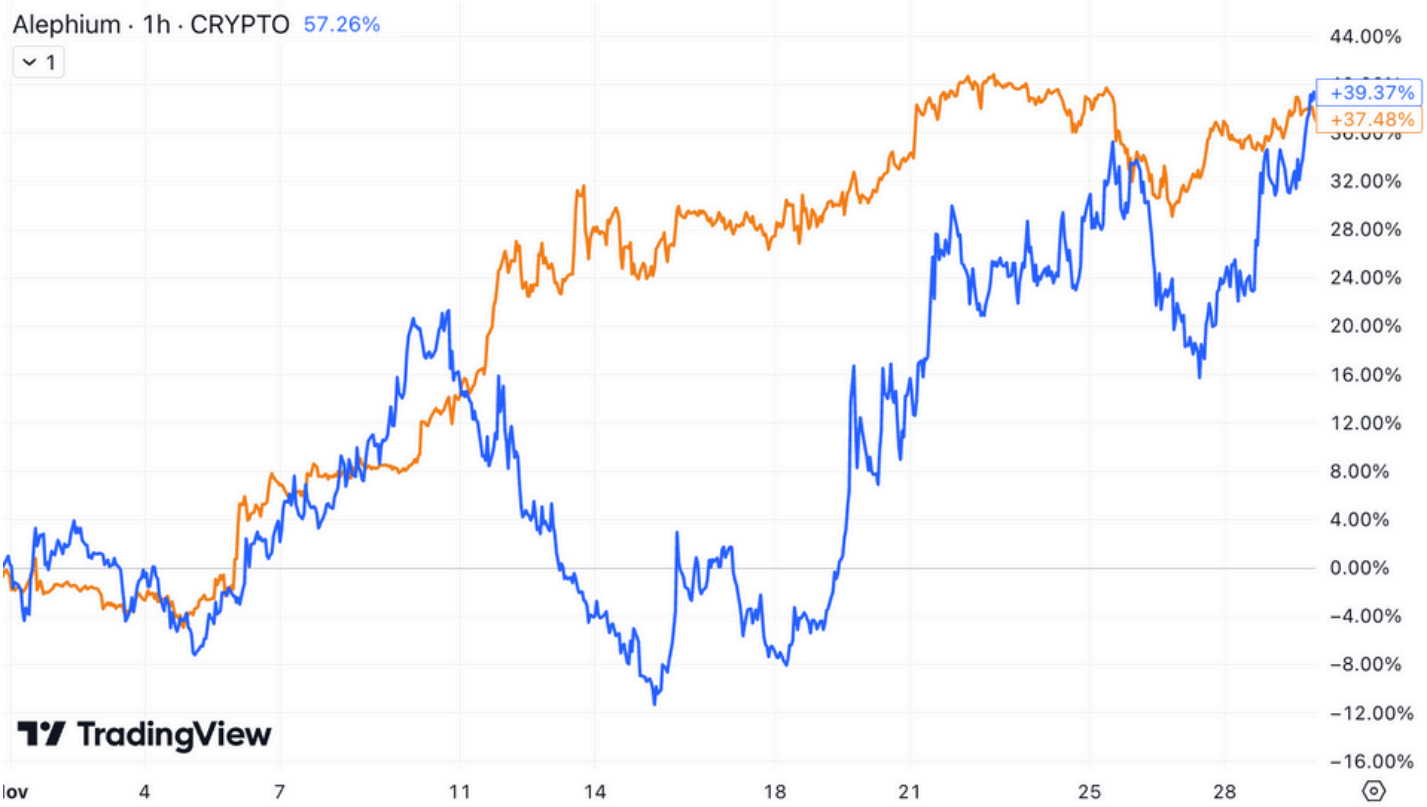
To maximize your returns, we kindly encourage all delegators currently staking on the No Trust Verify 2 mixnode **to migrate their stake to the No Trust Verify 3** mixnode, ensuring optimized rewards and improved performance.

No Trust Verify 2
Identity Key: 4yRfauFzZnejJhG2FACTVQ7UnYEcFUYw3HzXrmuwLMaR

No Trust Verify 3
Identity Key: ESPa5xnwZ7BebSX9SGmUbeYgNtkUeJo8PtbBx7JhzEHA

ALEPHIUM METRICS

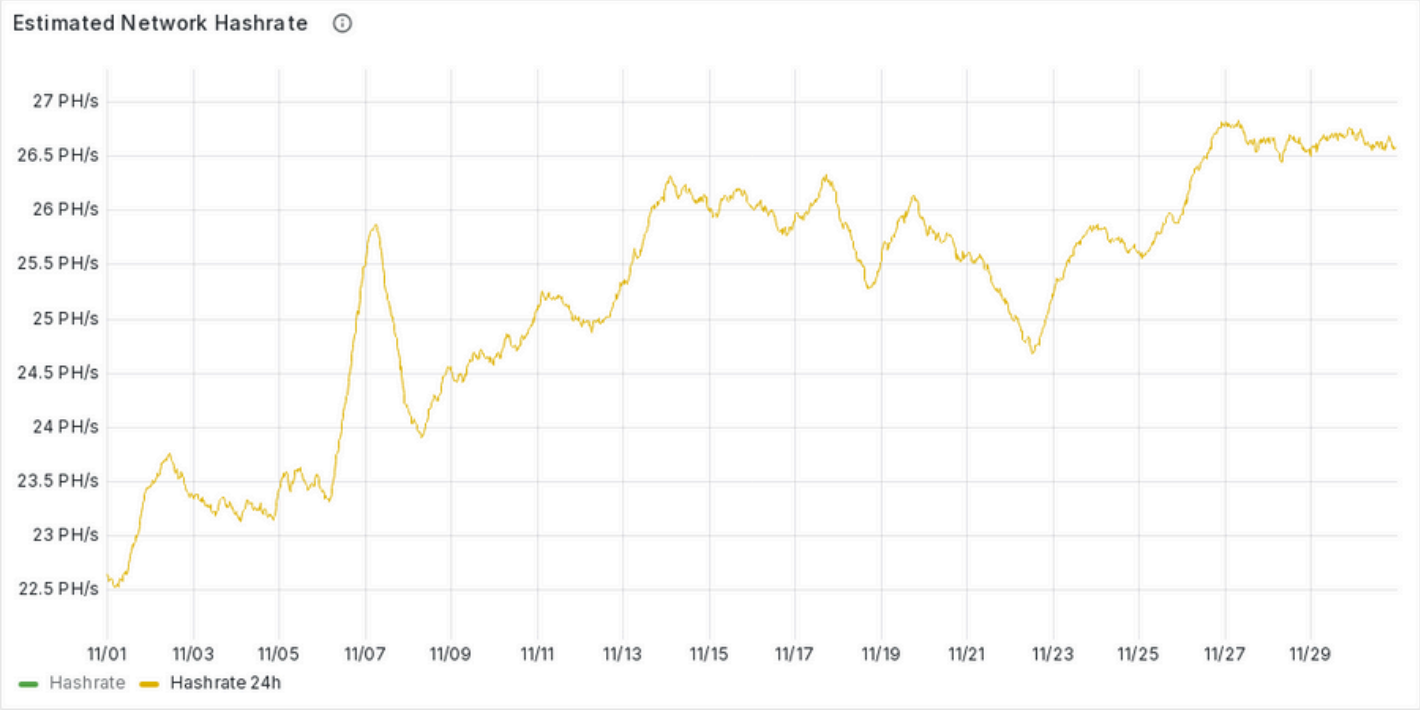
On the following page, you'll find some charts relating to Alephium. To begin with, here is an evolution of the price of $ALPH with a comparison to $BTC, over the month of November.



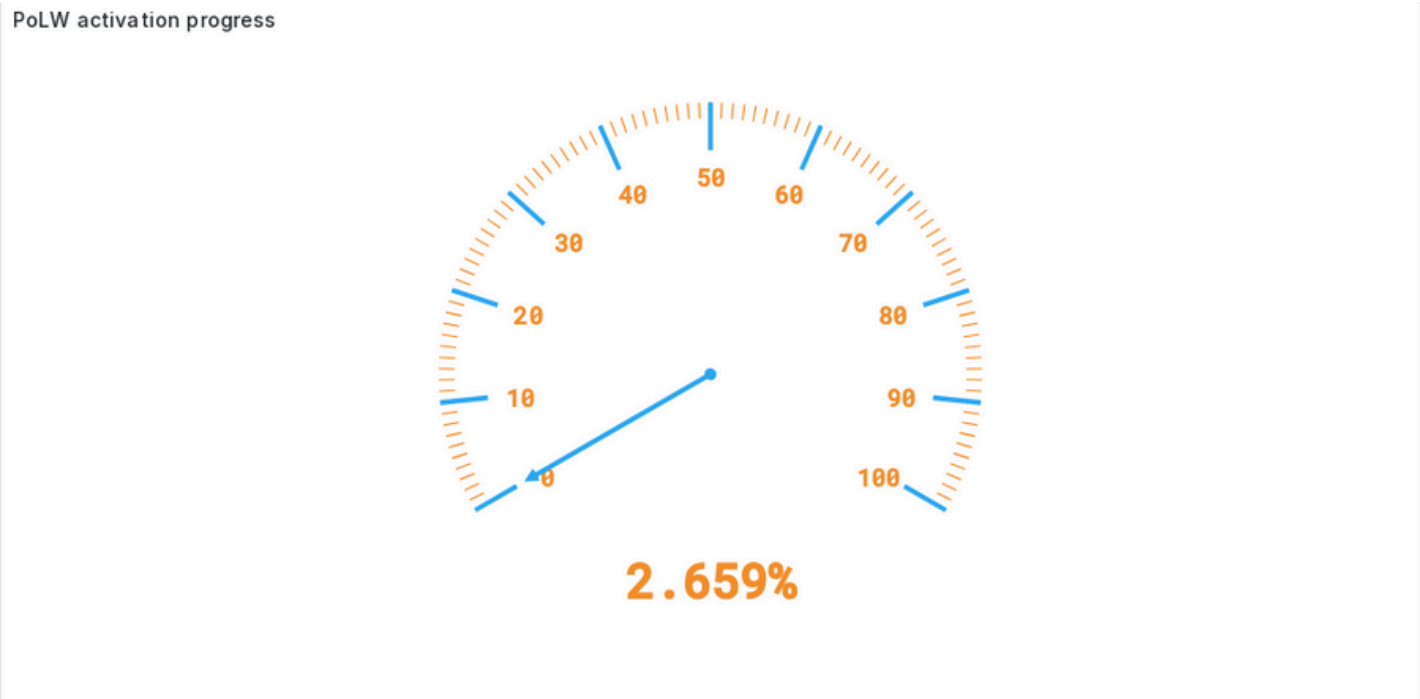
Another comparison between $ALPH vs TOTAL3 (all altcoins excluding $BTC and $ETH)

ALEPHIUM METRICS

This section illustrates the evolution of the hashrate. We are still in a phase of continuous growth, with a **17.4% increase**



In terms of PoLW activation progression, approximately **302 ALPH** were burned in November.

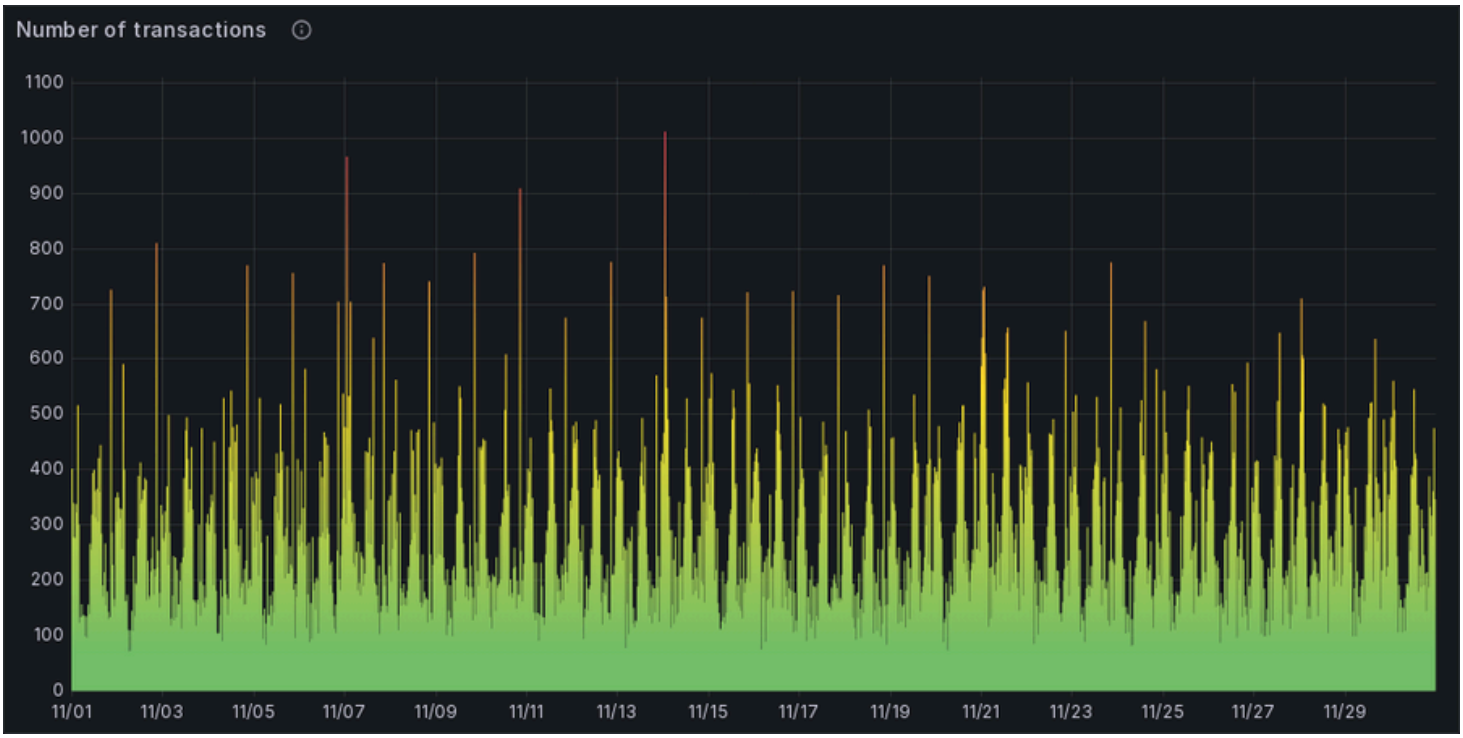


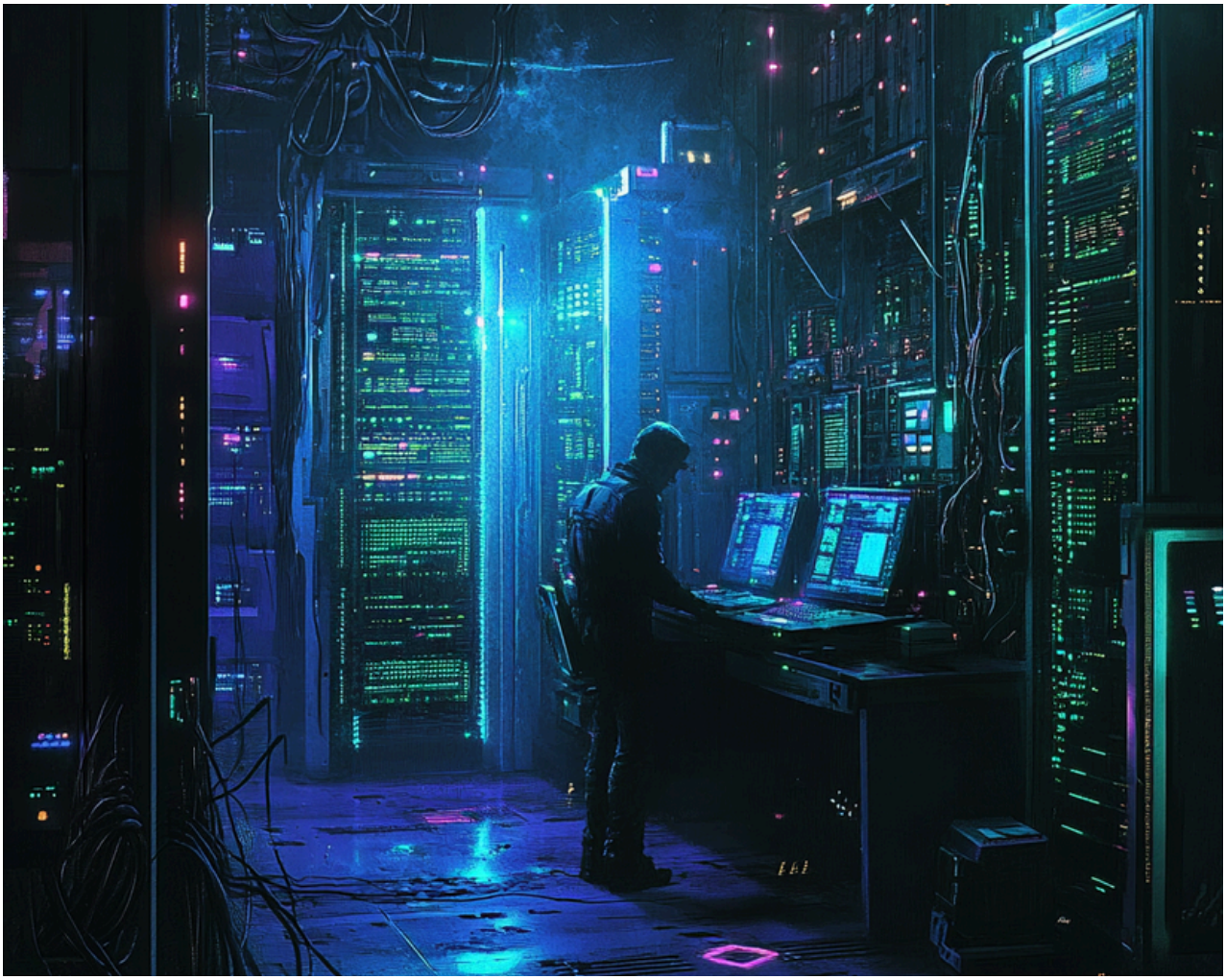
ALEPHIUM METRICS

Here's the evolution of the total number of active addresses.

Source : https://richlist.alephium.world/

Over the month, the network processed approximately **403k transactions**.





The No Trust Verify team would like to thank you for your trust and remains at your disposal for any further information.

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