MONTHLY REPORT #28

SEPTEMBER 2024

NOTRUSTVERIFY.CH

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

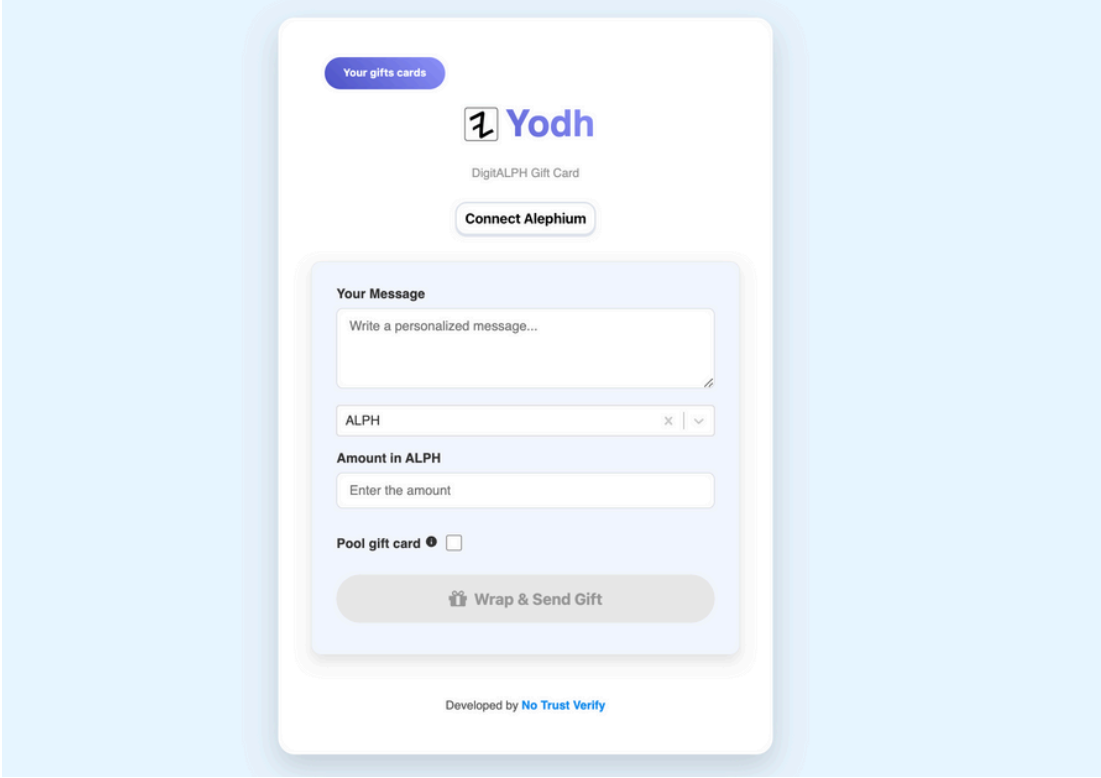
During September 2024, the No Trust Verify team fully committed to participating in **Hackathon #1.5 - Why So Serious?** an online event organized by the Blockflow Alliance DAO. This hackathon, held from September 9th to 30th, offered developers a unique opportunity to design innovative and experimental decentralized applications, free from the constraints of conventional projects. During the event, we presented and developed the following project:

Yodh Digital Gift Card Creator

https://yodh.app/

Our project is a digital gift card creator powered by the Alephium blockchain, allowing users to send secure, token-based gifts using ALPH and other tokens on Alephium. We have implemented multiple layers of security to protect both the sender and the recipient.

The name Yodh is derived from the Phoenician letter that represents a "hand" in several Semitic languages. The hand symbolizes sharing, interaction, and exchange —an ideal representation of our dApp's core concept, which revolves around gifting and transferring tokens.



Key Features:

- **Unlockable with a Secret**: Each gift card is secured by a secret that the recipient needs in order to unlock and claim the tokens.

- **Double Signing Mechanism**: To enhance security, the recipient must sign twice when claiming the gift card:
1. **First Signature**: Locks the contract to prevent anyone from intercepting the transaction by observing the mempool and stealing the secret.
2**. Second Signature**: Authorizes the release of the tokens to the recipient.

- **Cancel Feature for the Creator**: In the event of an issue (e.g., browser crash) during the gift process, the creator has the ability to cancel the transaction, ensuring that the tokens are not lost or compromised before the secret is shared.

Functionalities:

- **PDF Gift Card with QR Code**: A downloadable PDF containing a QR code is generated for the sender to share with the recipient. This makes it easy to deliver the digital gift in a secure, personalized way.

- **Pooled Gifting**: The platform supports a pooled system where multiple users can contribute tokens to a single gift card, making it perfect for group gifting.
- Alephium Domains ANS Integration: We utilize Alephium.domains "ANS" (Alephium Naming Service) to convert complex blockchain addresses into simple, readable names, enhancing the user experience.

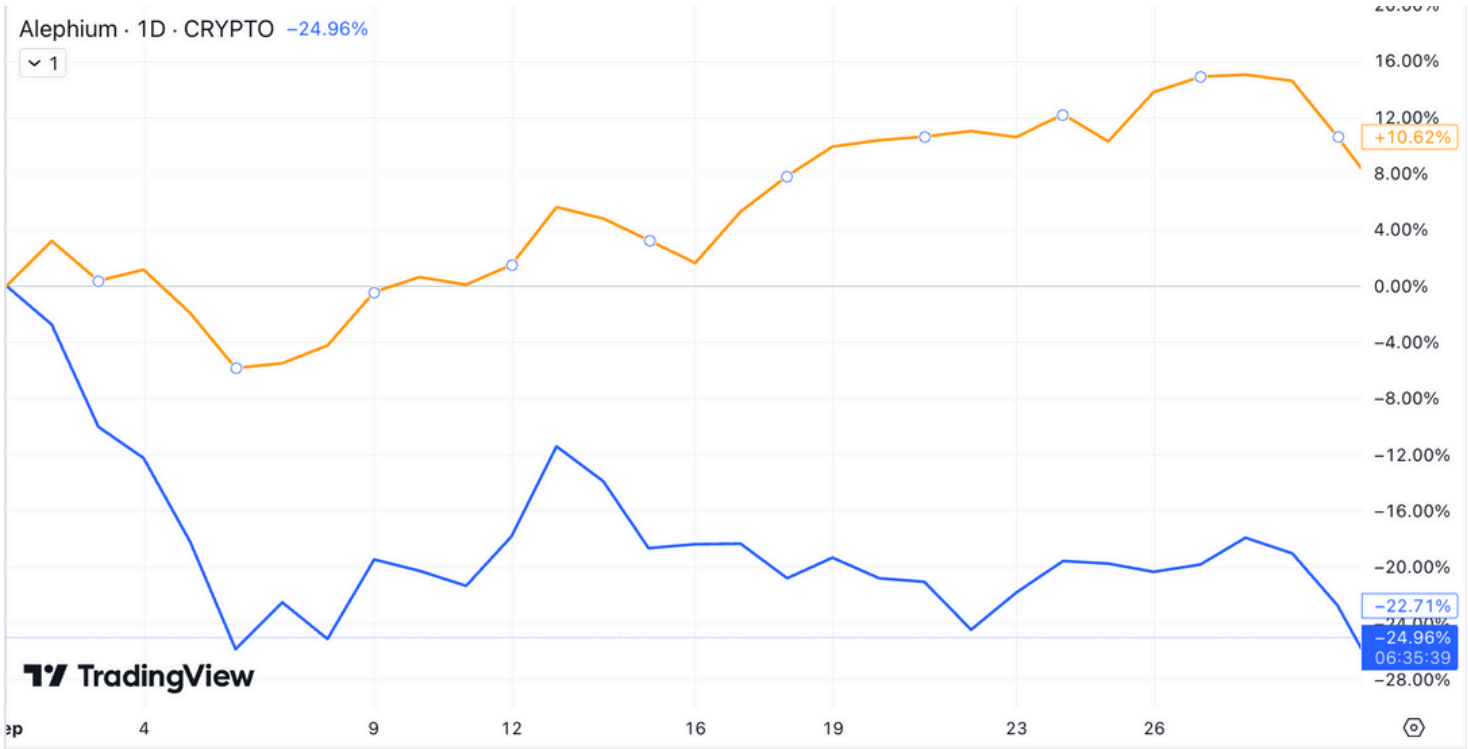
- **Personalized Messages**: Senders can include a personal message for the recipient, making the digital gift more meaningful and customized.

- **Local Storage of Gifts**: All created gift cards are stored locally in the user's browser until the website data is manually cleared, allowing easy access and management of the cards.

- **Oracle Integration for Fiat Value Display**: When creating a gift card, an oracle is used to record the USD value of the tokens at the time of creation. This allows the recipient to view both the token amount and its equivalent fiat value, making it easier to understand the gift's worth in a familiar currency.

ALEPHIUM METRICS

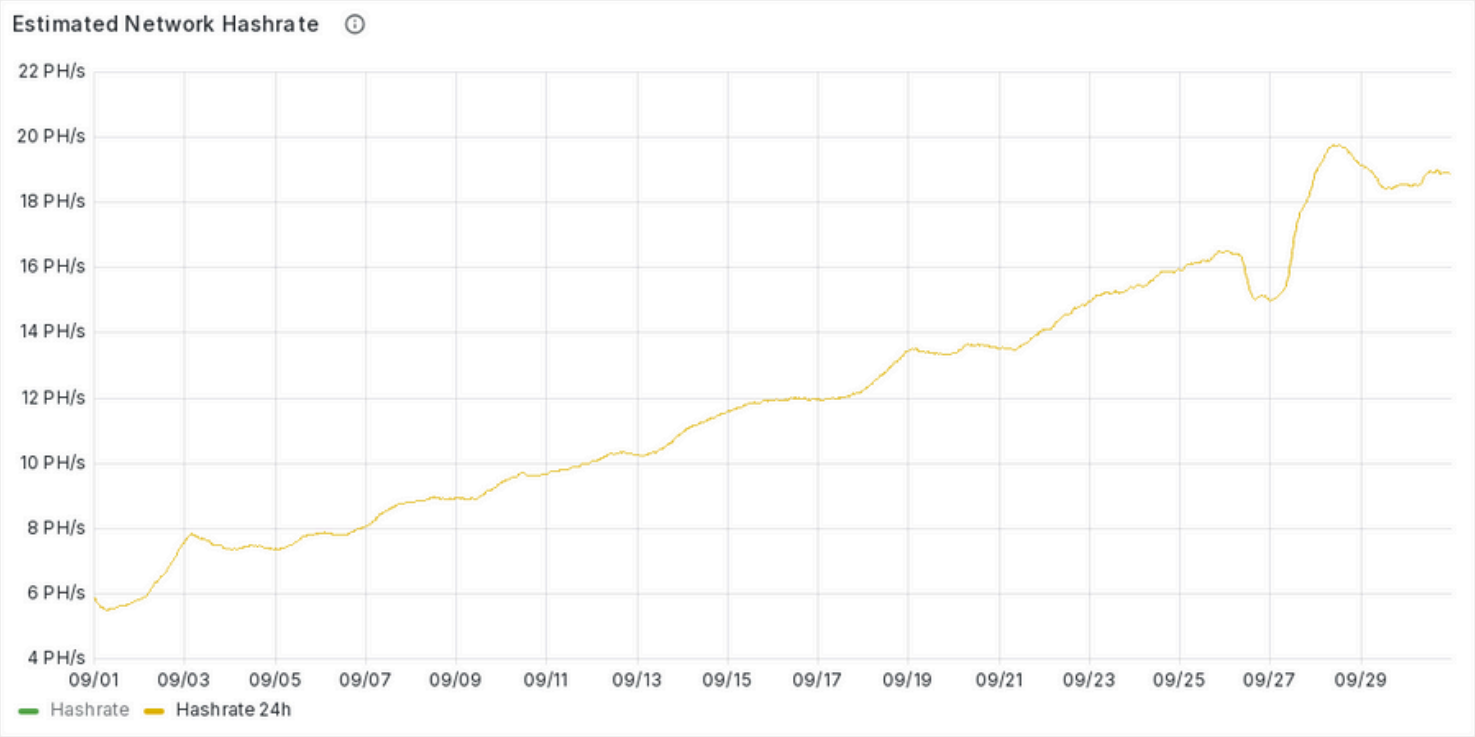
On the following page, you'll find some charts relating to Alephium. To begin with, here is an evolution of the price of $ALPH with a comparison to $BTC, over the month of September.



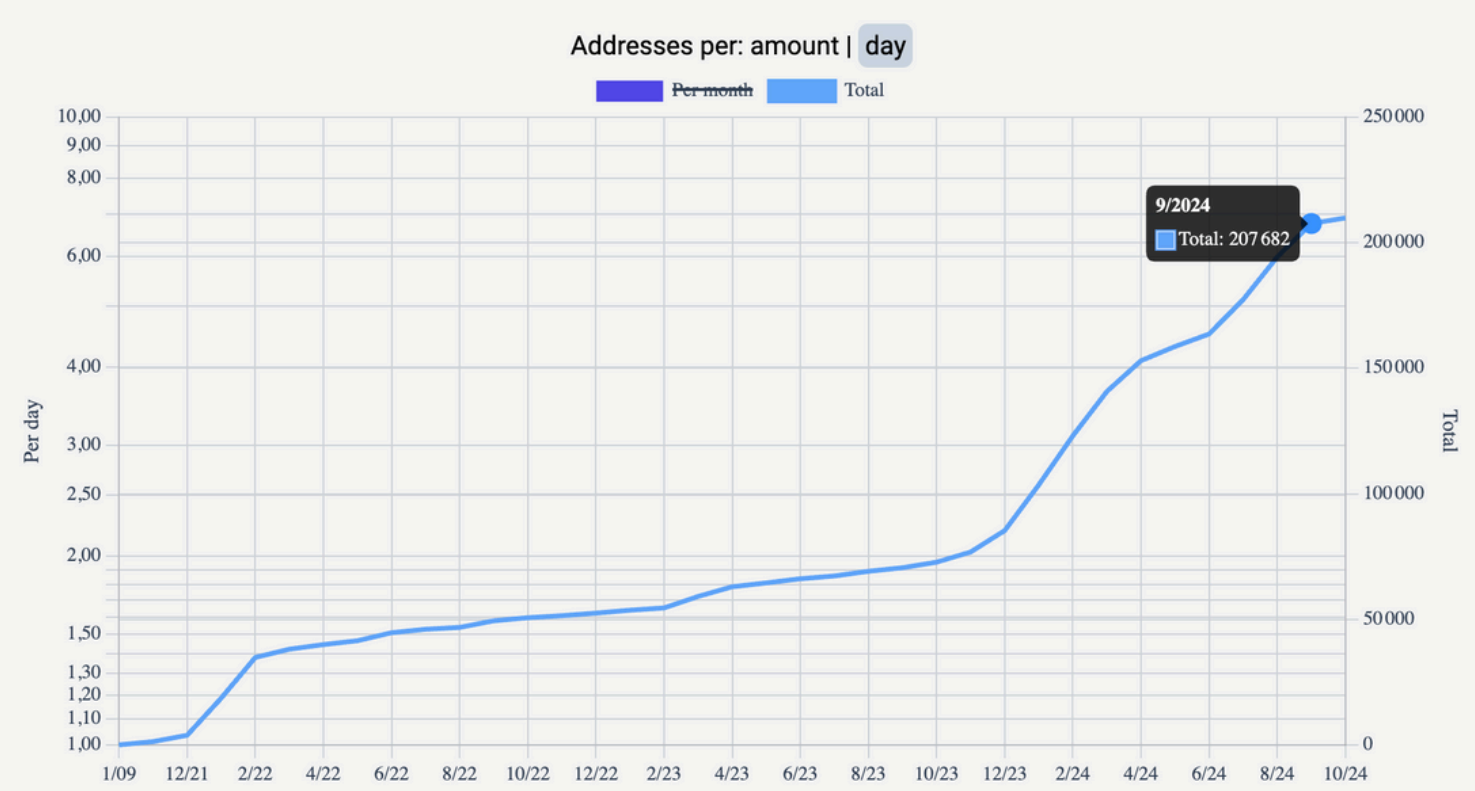
Another comparison between $ALPH vs TOTAL3 (all altcoins excluding $BTC and $ETH)

ALEPHIUM METRICS

This section illustrates the evolution of the hashrate. As you have noticed for months, its increase continues to grow exponentially.



Here's the evolution of the total number of wallets.



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

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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