DecenHash

Introduction paper by Arthur Sacramento - *Under MIT License*

What is the project's core or value? A decentralized file-sharing platform that rewards users for contributing to the network. That is, the user can both send or receive files.

What do we want to implement or improve?

- **First layer or transfer layer:** Users and servers share files with each other. The files are saved using the sha-256 hash of the file as the name to avoid repetitions or collisions.
- **Second layer or property layer:** The user can register a hash address indicating that he is the owner of the file or the first person to make it available on the network, adding additional information to the file such as name, description, etc. A small fee may be charged for this. The user can do this publicly or anonymously, making their Bitcoin address available as a username and identification and means of payment.

Optional or risky layers

- **Third layer or negotiation layer:** Users can invest in files, being able to obtain profit or loss according to the change in popularity and relevance of the file over time, which takes into account the number of servers or peers that store the files or the popularity of these files (multiplying the number of users who invested in a file and the total invested, likes and other criteria).
- **Fourth layer or auction layer:** Users can sell the files they own or the rights to them. They can set a fixed price for sale.
- **Final or AI layer:** Use AI to classify files.

Summary: Create a system where the user can securely indicate that they are the owner of a file and receive rewards.

Vision: To empower individuals with a open-source platform and rewarding system to share files

Mission: To build file-sharing platform that seamlessly rewards users for contributing storage and bandwidth, making secure file transfer accessible to everyone.

Values: Simplicity, Decentralization, Transparency and mainly **the User Empowerment.**

Why invest in the project or develop it?

To this day, an excellent application has not yet been built to distribute files and monetize them efficiently. Generally, platforms are good at doing one thing, but fail

when they try to synthesize both. We see in this problem a gap to enter the market and make it more efficient.

Prototypes, concepts and other tools

Pool hash: A simple P2P application where the user downloads all files from a server and sends all the files they have to it. To avoid conflicts or repetitions, the sha-256 hash is used to name the files.

ClientFull : The user can send all their files to a list of servers and download all files from them, using sha-256 hash.

Listing download: On a basic web server, the files are saved in an ordered manner and in a category (folder). This allows for a very simple algorithm to download all files from a directory (or category).

Hash Registration. In an additional layer, the user can manually register a hash. This allows for other layers to be built, whether for the monetization of a file according to its relevance or distribution or for a file to receive investments.

Decenhash is a start-up that seeks to establish partnerships with other companies and provide outsourced information technology services, aiming to make the development ecosystem more efficient, and a broader range of opportunities. For questions, suggestions, or inquiries of interest, please contact us.

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