ARWEAVE

What is the ARWAVE?

Arweave is a protocol to allow users to store their data permanently, sustainably, with a single upfront cost. Its target audiences are individual or organizations that need to store data or host content permanently. It is a decentralized network and all data stored is backed by a sustainable endowment ensuring the data is available in perpetuity.

It uses a form of database to store data that cannot be deleted or changed and uses economics to incentive people to store the data for long period of time for the first time ever.

Designed to provide scalable, cost-effective, and permanent data storage, Arweave is built on a blockchain-like data structure called the blockweave. The blockweave underpins what’s called the permaweb — a collection of data, websites, and decentralized applications (dApps) that form a permanent, decentralized information network that’s accessible through regular internet browsers, and which motivates users to participate. Key to Arweave’s function is its native Arweave token (AR), which is used to incentivize miners to maintain copies of data and pay for transaction fees.

Demo GitHub Link: <https://github.com/jinningxian/arweave_project>

How does ARWEAVE works?

Advantages and Disadvantages

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References:

<https://arwiki.wiki/#/en/Arweave>

<https://arwiki.wiki/#/en/the-permaweb>

<https://www.gemini.com/cryptopedia/arweave-token-ar-coin-permaweb>

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I try to push a transaction, but the transaction status is always at pending (more than 10 hours), it might due to the reward for my file uploading.

I try to mining the data for 2 hours, but I check my warranty again, my AR coin is still 0.0.