

Arweave - Ancestry

Permaweb – Ancestry & Family Tree Proposal

Abstract

The Arweave blockchain provides users with the potential to produce a fully decentralised, secure, permanent, ledger based ancestral family tree. Using Arweaves Permaweb eco-system, users will be able to store vital information for family members and past ancestors which could include achievements, unique memories, official documents and images. Having somewhere to collaboratively group this information provides users with personal control and 24/7 access, eliminating costly monthly fees, subscriptions and the unreliability of centralised servers. Once a family tree is created on the Arweave Blockchain, it will allow the person to grant editorial permissions to other users, synchronise identification documents, and create QR codes for spouses or young ones to enable *Branch-to-Branch* data transfer, which could also allow direct access to medical information and past heredity history with the click of a button.

Although there are already service providers who serve similar functions, a benefit of using Arweave Permaweb is that the blockchain can become self-growing through smart contracts with the ability to allow multiple users actioning tasks and pulling information at the same time. Family members and users will independently have their own blockchain *Branch* profile address stored on the ledger. Similar to Non-Fungible-Tokens that can be sent through the Ethereum Blockchain, the Arweave family tree *Branches* will display their profile, which can combine the data into one single QR code. Once the QR code is generated, the user is then granted the ability to share information with other organisations using their QR code, to eliminate the concern surrounding privacy when confirming identification or 'know your customer' requirements.

Sending or sharing an "Arweave-Ancestry *Branch*" to another address won't extract that specific person from the tree; it will make a copy and enable a slave & master comparable system, allowing edits to only be made on the master *Tree*, which in turn pushes blockchain updates to any tokens which have been copied. These *Ancestry Branches* won't have any monetary value and are used purely as NFT-like tokens that families can share privately or publicly. For example, sharing the personal family history of a famous person. The original master *Tree* will have the appearance of a professional identification-service which is friendly on the eye, with an easily customisable user interface.

Lastly, having a system like Arweave-Ancestry enables blockchain power-of-attorney procedures to be carried out seamlessly simply by granting users outside the *Tree* permissions that can expire. Going forward, the ability to pair people with their Ancestral *Trees* can help in situations where hard copies of identification isn't feasible or accessible if the blockchain was to be registered as a credible, recognised database.

With this specific technology, families now have the ability to feel closer to each other, no matter how far the physical distance is between them. Creating an ecosystem with unlimited expansion and the ability to create family legacies which will last longer than any subscription service currently out there,

Arweave-Ancestry provides you with the seed; you grow the tree.