Blockchain reward scheme

Freecoin

You can find out more at
freecoin.ch

Or find it on GitHub at
github.com/d-cent/freecoin

An experimental element of the D-CENT project has been developing Freecoin.

Freecoin is a toolkit to let people run reward, remuneration and incentive schemes that are contextually transparent and can be inscribed in different blockchain backends. Freecoin is made for participatory and democratic organisations who want to incentivise transparency and management agility.

WHAT DOES IT DO?

Using Freecoin, organisations can design and run reward schemes that use digital currencies and vouchers, and that are transparent and auditable. It is a software codebase to operate Trust Management Systems among individuals and organisations. When systems users are humans, Trust Management is an area of information technology that aims to improve the operation of open, distributed systems by predicting or influencing the behaviour of their users. When applied to human users, Trust Management methods attempt to leverage the human capacity for social trust or dis-trust.

With Freecoin, communities can run decentralised incentive and reward structures in terms of tolerance to risk. It allows communities and organisations to engage in transactions that have real world desirable impact and that they produce and construct collectively. At the same time it allows for complete democratic oversight on transaction history and collective deliberation on social currency systems, i.e. the rules of engagement and reward as a function of reputation management.

TECHNICAL SPECS

Freecoin is free and open source (Affero GNU General Public License v3+). It is written in Clojure to offer a RESTful API and a clean user interface to improve the developer exp erience and facilitate its adoption by front-end software applications. In brief, Freecoin allows RESTful APIs to be put in communication with distributed ledgers. It can be used stand-alone or integrated into systems.