Software & Infrastructure Roadmap and Decentralized Self-governance Protocol of Pycoin Mainnet comprising of synchronized decentralized networks of DAG-based forked XRB/Nano and DexOS realtime unforkable blockchain

This is a work in progress. Please look up for updates every week.

Software & Infrastructure Roadmap of Pycoin

Phase 1-Testnet One-Fall 2018

Phase 2- Testnet Two-Winter 2018

Phase 3- Security Audit and Stress Test-Spring 2019

Phase 4-Launch of Mainnet comprising of Synchronized Pycoin Binary Networks of DAG (forked XRB/Nano) and Realtime Unforkable Blockchain DexOS-Summer 2019

Phase 5-Launch of an Alternative Space Backbone (codename: ASB Freedom)
ASB Freedom will be comprised of 28 smart swarms of 280 mini and nano-statellites with distributed payloads of space-based routers and transceivers for building off-planet alternative infrastructure. These satellites will be placed in low earth orbit (LEO), high earth orbit (HEO-beyond of the range of most Anti-satellite missiles-ASATs of major nuclear armed nation states) and L1, L2, L3, L4 and L5 Sun-Earth Lagrangian points (Solar Orbits) to act as extra-terrestrial peer-to-peer users/validators/miners and for storage of application data and cryptocurrencies-Between Winter of 2019 and Summer 2024. Even nuke-powered anti-satellite missiles with potentially unlimited range will not be able to take out all of the dynamically manoeuvrable satellites deployed in HEO and Solar orbits.

Decentralized CADS-based Self-governance Protocol of Pycoin Mainnet for Long-Term Evolution

This self-governance protocol applies to post-Mainnet launch strictly.
The decentralized self-governance and decision making protocol (DSDM) of Pycoin Mainnet will have three classes of participants; some of them are members of more than one class:

1. **Users-Community**

2. **Variable Randomly-selected Judicial Enforcement Executives & Validators**
They will be selected by leveraging the underlying transaction validation mechanisms its DexOS and DAG networks periodically.

3. **Lawmakers-Developers and Infrastructure Providers**

Currently being developed by Cohomology Labs and other geographically distributed contributors-developers together working as a core team of developers, the decentralized governance model of Pycoin Mainnet is designed to give equitable and fair voting rights and empower all stakeholders of Pycoin including ordinary Pycoin users-validators having Pycoins. All stakeholders will be able to actively influence the outcome of any proposals with a YES/NO/Abstain vote to update and change Pycoin Synchronized Networks and its value-based protocol system.

Most importantly DSDM of Pycoin makes it the world's first decentralized network and protocol modeled on evolvable Complex Adaptive Dynamical Systems-CADS. The emergent nature of evolution of life on planet Earth follows this CADS system. In fact we humans and our societies/civilizations can be categorized as CADSs. Any goal-driven dynamic system that interacts with its environment (friendly, neutral or hostile) in a strategic and tactical manner to prolong its existence and ensure its long-term survival as well as to thrive and expand can be labeled as CADS.

A complex adaptive dynamical systems approach to strategic planning builds upon organizational learning methods while it emphasizes decisiveness, mindfulness, mission, and values based decisions, fostering relationships and systems of communication, symbiotic relationships and continuing to construct possibilities that contribute to a decentralized organization's self organizing and resiliency in its immediate and distant environment. It allows it to effectively deal with any emerging threats and opportunities.

The key fact here is that a vision of a near or distant future and the strategic plan itself are not blueprints for a future state but ways to prepare Pycoin Decentralized Organization(Pycoin DO) to be more mindful of the constant changes and possibilities happening in the present.

Hence the CADS-inspired DSDM of Pycoin Mainnet will make everything self-recursive or subject to change themselves including the initial rules and mechanism of the DSDM to deal with unforeseen and uncertain events as well as radical changes taking place in the external and internal environment. This is to ensure Pycoin survives and thrives even hundreds and thousands of years from now in one form or other eventually evolving into an exponentially growing monetary and financial metasystem for a futuristic interplanetary and interstellar civilization.