

Yassa: An immutable self-governance code of Orch Network

Roadmap and Decentralized Self-governance Protocol of Orch Network Mainnet based on underlying Starchash realtime unforkable federated blockchain

Software & Infrastructure Roadmap of Orch

Phase 1-Testnet One-Fall 2019

Phase 2- Testnet Two-Winter 2019

Phase 3- Security Audit and Stress Test-Spring 2019

Phase 4-Launch of Mainnet- Summer 2020

Phase 5-Launch of an Alternative Space Backbone(codenamed ASB Freedom)

ASB Freedom will be comprised of 28 swarms of 160 mini and nano-satellites 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 Antisatellite missiles-ASATs of major nuclear armed nation states) and L3, L4 and L5 Sun-Earth Langrange 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 2021 and Summer 2024. Additional Space-based routers will be deployed in the far side of the Moon and in the orbits of Mars between 2025 and 2030 for enabling an interplanetary decentralized Internet.

Decentralized CADS-based Self-governance Protocol of Orch 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 Orch Mainnet will have three classes of participants, some of them are members of more than one class:

1. Users-Community

2. Variable Randomly-selected Unsupervised and non-human Autonomous Decision Agents as Validators & Arbitrators capable of self-discovery and unbiased decision making

They will be selected automatically by leveraging the underlying transaction validation mechanism after mathematically verifying codebase of the agents during pre-selection phase and by taking humans out of the loop. Because humans are vulnerable to be biased and not really fit for delivering unbiased judgments based on facts and facts alone while being free from emotions, extraneous interests, external influences and prejudices.

By learning from malicious activities of human arbitrators of EOS blockchain this is being codified.

3. Lawmakers-Developers and Infrastructure Providers

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

Most importantly DSDM of Orch 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 a CADS.

A complex adaptive dynamical systems approach to strategic planning builds upon organizational learning methods while it emphasizes 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 Orch Decentralized Organization (or Orch Organization) to be more mindful of the constant changes and possibilities happening in the present.

Hence the CADS-inspired DSDM of Orch 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 Orch 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.