



Fedler

People-Powered AI Ecosystem

Reshaping AI with Public Blockchain

Lightpaper

Ver. 01 2022

Executive Summary

Fedler welcomes all AI-loving blockchain users to create, own, trade, earn and use AI assets in purely decentralized fashion. The team is building a public blockchain based decentralized AI ecosystem, where data providers can publish data feeds, AI engineers can prepare and publish AI pipelines, researchers can submit new AI workflows, startups can integrate the AI components in the dApps, compute providers can monetize devices and systems, and validators can stake tokens.

We aim to create a unique advantage in the shape of a decentralized AI governance framework, based on smart contracts and native public blockchain technologies. Fedler will be the first-ever AI ecosystem focusing on data access, compute provision, and talent resources and providing open-source APIs to develop and deploy community-driven, responsible, and ethical AI workflows across a magnitude of devices and systems. Our goal is to develop the fastest public blockchain to comply with the performance requirements of AI ecosystem. Fedler team is building an AI ecosystem with the native public blockchain; harnessing the power of secure and fair proof-of-stake consensus mechanisms and enabling people to create non-fungible AI assets. The purpose is to increase people participation using native Fedler tokens to trade and stake AI assets and to ensure on-chain consensus with decentralized finance (DeFi) stakes. The game-changer idea we are promoting is the full ownership and custody of everything that various stakeholders will have on the decentralized AI network

We strive to create a blockchained AI Metaverse; a one-stop blockchain realm that offers different AI and blockchain services, products, and programming APIs, as well as in-app native economy with infinite possibilities. Team Fedler has produced the system design overview and is developing the core features. The minimum viable version will sooner be available for early-phase adopters, while additional features and items will be introduced in phases by Fedler foundation (please view our roadmap).



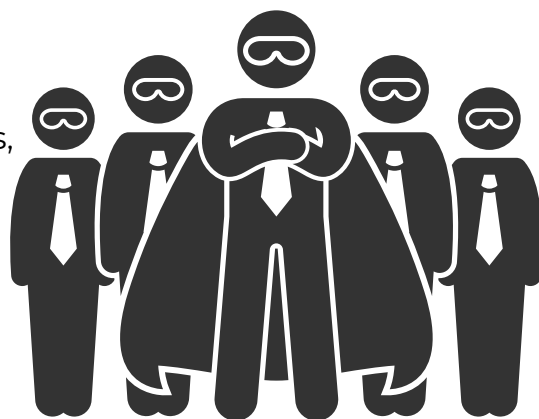
01 Fedlers

We identify our community members as Fedlers, the actual people, who are powering this decentralized AI ecosystem. Using this platform, Fedlers can interact with one other while wearing multiple hats, if they desire to.

We intend to create a virtual world of AI assets where each asset, which we identify as Diamonds, are available to connect, use, trade, and transact across the Fedler ecosystem. Thousands of unique non-fungible Diamonds will be available which will be provisioned by Fedlers and our external partners in the AI ecosystem.

GAME CHANGER

Fedler aspires to congregate data providers, data managers, AI engineers, dAapp developers, and compute service providers to collaboratively produce, host, and monetize their Diamonds using native public blockchain system. Fedler token holders will be able to trade tokens, create stakes for validations, burn tokens to transition towards circular economic model, and earn tokens by hosting Diamonds.



02 Parliament

Parliament is the place where all the Fedlers gather. At the Rotunda, Fedlers can meet and interact with one other, share ideas for the governance of the Fedler metaverse, or form committees to discuss improvement proposals. There is also a Mission Board where Fedlers are able to post notices.

03 Public Square

There is also a Public Square, the central marketplace where Fedlers can gear up with items officially released by the Council, or trade unique items created by other Fedlers. All trading and swapping of Diamonds are performed by using the Fedler tokens - the native utility and governance token within the entire Fedler metaverse. This is also the place where Fedlers can mint their own unique items as NFTs and offer them up for sale or be swapped with other Diamonds. Beyond Public Square, the Fedler metaverse also comprises of different part of the marketplaces where Fedlers can search for the AI talent, establish teams, and launch Fedler projects.

04 Metaverse

Various Dimensions will be there to represent our efforts to implement a crossplatform operability into our metaverse. Our goals is to create a metaverse with different AI tools; to build a more resilient, secure, privacy-preserving, in-dApp native economy where Fedlers can work together to govern, to dictate, and to collaborate on the various building blocks of Fedler metaverse.

05 Council

The Center of Administration for Fedler is the Council, a decentralized autonomous organization (DAO) governed by all Fedlers who hold Fedler tokens. In the Council, Fedlers can approve fedler improvement proposals (FIPs) and vote on matters relating to the Fedler metaverse in a democratic fashion.

06 Tribunal

The venue for resolution of all disputes will be the Tribunal, consisting of a board of judges appointed by the Council by way of a democratic vote.

07 Navigators

The Fedler metaverse will consist of a few pathways, namely Navigators. Each of these Navigators will represent a part of the ecosystem that relates to a path from a different AI stakeholder.

For instance, we may have “Nvidia Navigators” for Nvidia supported technologies, and “Google Navigator” for google APIs, and so on. The Navigators are to be built on the respective AI platforms that we integrate with, the entire Navigator will consist of an ecosystem from the relevant technology operators, potentially spanning from project launch, talent acquisition, data access, AI pipeline development and deployment, monetization, to other blockchain services. Users can simply switch from one Navigator to another as long as they connect their respective wallet and dApps, and also meet specific requirements.

08 Decentralised Finance

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09 Base Station

We will also have Base Station, our very own launchpad. We will be integrating a launchpad into Fedler metaverse, allowing startups to bring their projects to grow and flourish and also allowing our Fedlers to participate in the great project from the community.

10 Community

Fedlers who have common interests may form Tribes. Tribes can create value as a group and increase their collective chances of success, or collectively bid for AI assets at the Public Square which will then be placed under the ownership of the Tribes.

11 Decentralised Autonomous Organisation

In Fedler, our metaverse will also have our very Decentralised Autonomous Organisation (DAO), which will be run by our Council and governed by Fedler token holders. We will introduce this when the basic infrastructures of the metaverse are built, and ready to write its own script.

12 DeFi in the Fedler Metaverse

Fedlers can perform various financial activities in Fedler Metaverse. The basic purpose of native currency is to provide a common medium of exchange for all AI digital assets and also facilitate our investors create their stakes on the underlying blockchain networks. Fedlers will be able to use Fedler tokens to purchase new AI services, stake tokens to participate in the consensus mechanisms, pay AI workforce and other stakeholders across the navigators, earn tokens by providing computing resources and AI services along the navigators. The possibilities are unlimited.

13 What differentiates Fedler?

Fedler aims to create an AI metaverse using a people-powered AI ecosystem to create value for society at large and the Fedlers in specific. We aim to develop and deliver an open and entirely public blockchain-based decentralized AI platform for all types of AI stakeholders. Fedler is differentiated from other blockchain platforms due to the following (but not limited to these) features:

- AI Assets as NFTs
- Native Proof-of-Stake Blockchain
- 90% Lending Fee to Compute Providers
- Fair and Secure Weighted Staking Mechanism
- Deflationary Tokenomics (50% Network Burn)
- Utility Token for Staking, Trading and Consensus
- Circular Economy (50% Liquidation after 50% Burn)

In addition, the open-design will enable Fedlers to integrate any AI tool, plug-in any type of data connectors, and use any device or system by equally enjoying the native economy of decentralized AI applications.

The core value innovations of our ecosystem will be added at various forefronts:

Artificial Intelligence:

Creating open-source API to plug-in search, optimization, learning, and autonomous computing components.

Distributed Data API:

Solving the data-access problem by enabling standard data management processes and by providing secure data publishing channels for AI pipelines.

Homomorphic Encryption:

Enabling distributed and secure execution of AI processes without revealing the actual content of interacting components.

Decentralization:

Harnessing public blockchain components to enable multilateral distributed trust mechanisms for all stakeholders.

Data-Centric:

Capturing data properties, maintaining adequate distributions, and ensuring quality data feeds across AI pipelines.

Differential Privacy:

Preserving privacy of all stakeholders and contributors by enabling local and global differential privacy models.

Explainable:

Augmenting AI processes with innate decision markers to transparency and interpretability across AI pipelines.

Compute Network:

Virtualizing compute resources for secure process execution across various computing devices, systems, and architectures.

Bias-Aware:

Metering AI processes to ensure minimum bias across the populations, samples, devices, and systems.

Native Economy:

Enabling marketplaces for data, compute, and AI resources to use, stake, earn, and trade across the Fedler ecosystem.

Tokenomics

Features of the FEDLER token

Trade AI Assets::

FEDLER can be used to purchase AI assets, monetize AI pipelines, and spend to acquire navigator NFTs.

Compute Monetization:

Fedlers can provide the compute resources to empower AI pipelines. Compute providers can bring and plug-in any compute infrastructure whether it is a small-scale IoT device, a desktop PC, a high-end GPU system, or a cloud data center. The compute resources will be metered according to their usage and availability and a fair stake will be distributed to all participants in the computing network.

Data Economy:

The data providers on the network can provide secure access to their data and get rewarded as per its usage.

Staking Rewards:

FEDLER tokens can be used in the system to earn staking rewards. It is designed to encourage users to hold tokens and support the ecosystem.

Governance:

Token holders are allowed to participate in the decentralized governance process that decides on the use of revenues, platform development, and growth of the metaverse.

Deflationary Measures:

Fedler aims to burn 50% of its token and then wait for a cliff period (this period will be decided by Fedlers once at least 25% of network tokens will be burned). The main burn activities will be transactions on the network, voluntary burns, token burning events, project investment percentages, trade commissions, percentage of network fees, and many more.

Rental:

In addition to permanent purchases, Fedlers will be able to generate long-term and short terms rental contracts of AI assets, data feeds, and compute resources.

Compute Network:

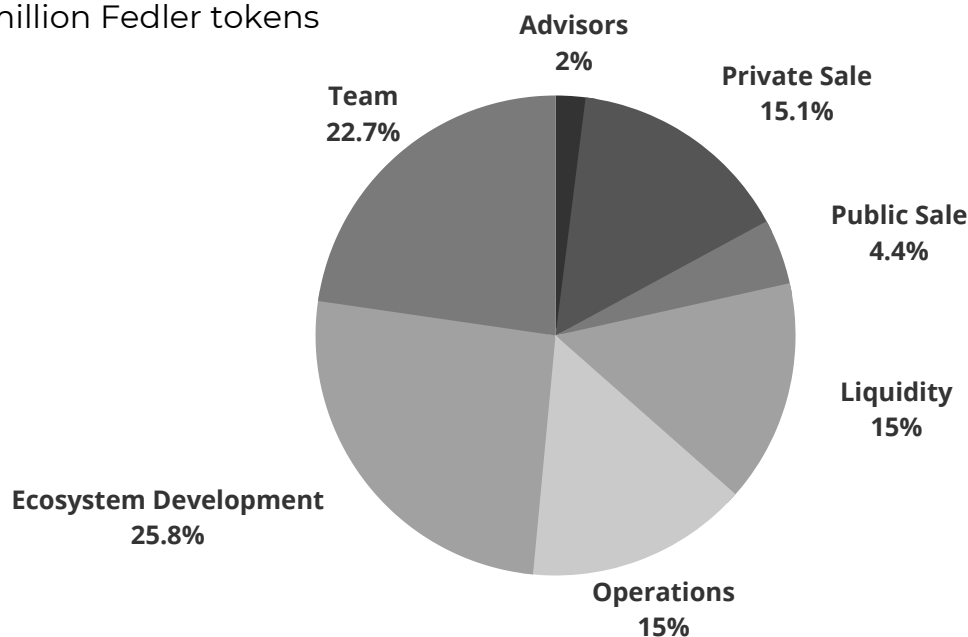
Virtualizing compute resources for secure process execution across various computing devices, systems, and architectures.

AI workforce:

FEDLER token will be used to hire and pay AI workforce in the people-powered AI ecosystem.

Fedler Tokenomics

220 million Fedler tokens



Locking and Vesting Schedule

- 01 **Private Sale**
3 Months Cliff(Locking)
Monthly Linear Vesting for 16 Months
- 02 **Public Sale**
3 Months Cliff(Locking)
Monthly Linear Vesting for 15 Months
- 03 **Liquidity**
1 Months Cliff(Locking)
15% in 2nd Month, then Vest Linear Monthly for 14 Months
- 04 **Operations**
1 Months Cliff(Locking)
2% Unlock Every Month
- 05 **Ecosystem Development**
1 Months Cliff(Locking)
17.5% in 2nd Month, then 10 Months Cliff, 25% Unlock Every Quarter
- 06 **Team and Advisors**
3 Months Cliff(Locking)
5% Unlock Every Quarter

Roadmap



Q1, 2023

- Data Navigators and Marketplaces
- Oracle Integration

Q2, 2023

- First dApp
- Exchange listing

Q3, 2023

- Compute Navigators and Marketplaces
- Oracle Integration

Q4, 2023

- Validators Onboarding
- First Hackathon

Q1, 2024

- Second Hackathon
- Full Ecosystem
- Partnerships and more..

Social Links

you can find us on following platforms.



www.facebook.com/fedlerai



www.t.me/fedlerofficial



www.instagram.com/fedler.ai



www.discord.com/invite/XsNqR6ztmp



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