



DAN-TEAM

Decentralized AIGC Network

OKX Hackathon Project Description

2023.3.26 Silicon Valley

Project Background and Goals

Objective of DAN

- Create a decentralized AIGC computing power platform, establish an economic model using blockchain. We firmly believe in "AI by the people for the people."

Background

- The growing demand for AI services and computing power
- The need for a decentralized platform to address sustainability, fairness, and accessibility challenges in the AI industry

Goals

- Implement a decentralized user system to eliminate reliance on centralized authorities
- Utilize blockchain technology to ensure transparency, fairness, and unfettered
- Encourage collaboration and contribution from users, developers, and computing power contributors within the DAN ecosystem
- By using blockchain as the economic model foundation, promote innovation and progress in the decentralized AI computing power platform.



OKX Chain and Blockchain Technology

Utilizing blockchain technology to ensure transparency and fairness

- DAN leverages blockchain technology to guarantee transparent and fair transactions, fostering trust and collaboration within the ecosystem.

OKX chain providing underlying support

- The OKX chain offers reliable and high-performance support, ensuring seamless transactions and easy interaction within the DAN ecosystem.

Adaptability and scalability

- DAN's adaptability and scalability allow for seamless integration and growth, meeting the ever-changing needs of users, developers, and contributors.

Introduction to the DAN Economic System

- Built using blockchain technology

- The DAN economic system is constructed using blockchain technology, with the involvement of users, developers, and contributors, aimed at promoting the sustainable development of decentralized AIGC computing power.

- Deployment on OKX Chain

- The DAN economic system is deployed on the OKX Chain, a reliable and high-performance blockchain platform. By leveraging the OKX chain's support, DAN can ensure seamless transactions, high scalability, and adaptability, making it easier for users, developers, and contributors to interact within the ecosystem.

- Implementation of decentralized user accounts

- The DAN economic system implements decentralized user accounts to eliminate the reliance on centralized authorities. This approach empowers users to have full control over their data and assets, promoting privacy and data security. Decentralized user accounts also foster trust and collaboration among participants within the DAN ecosystem.

- Transparent and fair smart contracts

- Transparent and fair smart contracts are at the core of the DAN economic system. Smart contracts automate transactions and agreements, ensuring that all interactions within the ecosystem are transparent, secure, and tamper-proof. They enable the fair distribution of DAN Tokens among users, developers, and contributors based on their participation and contributions, fostering a just and equitable ecosystem.

DAN Token and Smart Contracts

DAN Token as the basic AI services token

- DAN Token serves as the basic OKC token, allowing users to access various AI services within the ecosystem.

Smart contracts ensuring fair and equitable use of AI services

- Smart contracts guarantee fair and equitable use of AI services, promoting a transparent and trustworthy ecosystem.

Token allocation among users, developers, and contributors

- DAN Token is allocated among users, developers, and contributors based on their participation and contributions, fostering a balanced and sustainable ecosystem.

Decentralized User Accounts

Clone code from Github to computing power hosts

- Users and contributors can easily clone the DAN code from Github to their computing power hosts. This process simplifies the integration of computing resources into the DAN ecosystem, enabling more participants to contribute their computing power and promote the development of decentralized AIGC services.

Network implementation for computing power sharing

- The DAN network implementation allows users and contributors to share their computing power across the ecosystem. This approach not only optimizes resource utilization but also reduces the overall cost of AIGC services. By pooling computing resources, the DAN ecosystem can provide more powerful and efficient AI services to its users.

Based on a decentralized user system

- The DAN economic system is based on a decentralized user system, which eliminates the need for centralized authorities and ensures that all users have equal access to resources and services. This approach promotes privacy, security, and freedom, empowering users to have full control over their data and assets. By fostering trust and collaboration among users, developers, and contributors, the decentralized user system creates a more inclusive and equitable ecosystem.

Developer Roles and API Services

Developers providing AI call APIs

- Developers contribute AI call APIs, enabling various AI services within the DAN ecosystem.

Meeting user needs

- These APIs meet user needs, allowing users to access AI services for different purposes.
- Exp:Text2Text, Text2Image, Text2Video...

Earning DAN Tokens as rewards

- Developers earn DAN Tokens as rewards for their API contributions, incentivizing further innovation and ecosystem growth.

Contributors and Users

Contributors

- Contributors consist of computing power contributors and API development contributors.

Users obtaining more powerful API services and computing power by paying DAN Tokens

- Users can access more powerful API services and computing power by paying DAN Tokens, enhancing their AI power.

Computing power contributors earning DAN Tokens as rewards

- Contributors who provide computing power earn DAN Tokens as rewards, encouraging more resource sharing within the ecosystem.

Fair distribution through smart contracts

- Smart contracts ensure a fair distribution of DAN Tokens among users, developers, and contributors, promoting a balanced and sustainable ecosystem.

Transparent, Fair, and unfettered

DAN economic system built on blockchain technology

- The DAN economic system leverages blockchain technology, ensuring a transparent and secure environment.

Safeguarding the interests of all parties

- The system safeguards the interests of users, developers, and contributors, fostering trust and collaboration.

Promoting the development of decentralized AI computing power

- DAN promotes the development of decentralized AI computing power, optimizing resource utilization and reducing costs.
- Not constrained by centralized computing power of big corporations and government organizations.

Conclusion and Outlook

Maintaining close cooperation with OKX and utilizing OKX infrastructure for development.

- DAN will maintain close cooperation with OKX to leverage its robust infrastructure, enhancing the platform's performance and capabilities. This collaboration will help drive the development and growth of the DAN ecosystem.

Encouraging more developers, users, and computing power contributors to join the DAN ecosystem

Continuously optimizing and improving the DAN economic system



Introduction to the DAN team.

- We are from the DAN team, an open-source community with 10 years of technical experience in distributed audio and video transmission, CDN data distribution, and smart routers. Currently, we are dedicated to the research and development of a decentralized AI computing power network.
- DAN evolved from the open-source project SDCN, which is an infrastructure for sharing stable diffusion computing power. DAN has gained consensus from the SDCN community.

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DAN GitHub: <https://github.com/maxwilliamdev>

SDCN GitHub: <https://github.com/fiatrete/SDCN-Stable-Diffusion-Computing-Network>