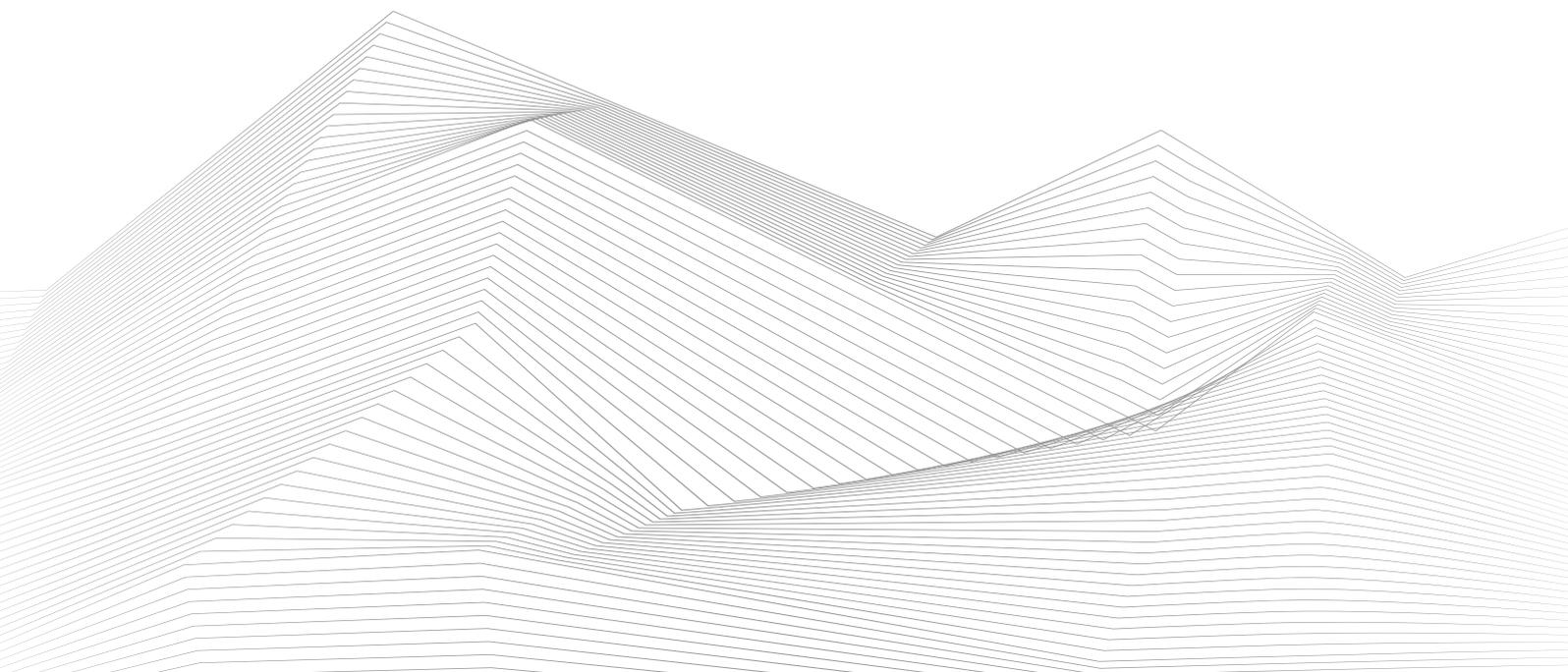**VDC**

V-Dimension on Cloud White Paper

Consensus Cloud Service Network Infrastructure

v 0.6.0

V-Dimension on Cloud (VDC) White Paper

Preface

According to market research data, by 2020, the number of connected devices worldwide will exceed 50 billion. They will generate massive amounts of data, and the consequent management, storage, and retrieval of these data, coupled with the need for consumer-specific software and the sharing of data across multiple business units, raises data storage requirements.

Currently, most of the data is hosted by a single center, such as Amazon, EMC, Google, NetApp, etc., meaning that a company holds the data of everyone. In this environment, storage is centralized, both inefficient and unsafe.

The emergence of the blockchain allows us to find the direction to solve the problem. The consensus system generates decentralized trust through technical means, forming a non-tamperable consensus mechanism, and does not require any third party to build credit, thus achieving the highest level of trust to date - no need to trust. This is a technological revolution worthy of attention. It solves the bottleneck of the development of modern human civilization from the root, transforms the production relationship, and can greatly promote the progress and development of society. Therefore, it is worthy of continuous exploration and practice by all mankind.

The blockchain brings us not only financial changes, but also the most ambitious concept for human beings. It is an autonomous agency or a decentralized autonomous institution. Resources and funds are self-enforced by the cryptographic blockchain. The smart contracts are managed autonomously, thus avoiding the reliance on legal contracts and organizational rules, and without any centrally controlled autonomous entities operating on the blockchain. It can bring us more, from finance to business, from entertainment to culture, from property rights to law, from privacy to freedom, from awareness of cognition, and even from the democratic era to the post-democratic era. In essence, the social wave formed by blockchain will rewrite the development of human civilization and once again bring the entire human civilization to a period of rapid development. This is the only way for mankind to explore the future.

This article will discuss how V-Dimension Cloud (VDC) will build the world's largest three-party distributed cloud service network platform from the design and basic information level. At the time of this writing, the VDC development team is working on

product testing and verification, which takes up all of our time. Therefore, after the project is officially launched, relevant technical introductions and explanations will appear in the next major version of the VDC White Paper.

Introduction

Project Background

The VDC development team has technical geeks from Amazon Cloud, Google Cloud, Microsoft Azure, IPFS, etc. with a deep understanding of cloud services such as cloud storage and cloud computing. In order to break through the existing Internet structure of cloud services, the team constructed a huge data sharing platform on the distributed nodes for the public through careful design, combined with blockchain technology and decentralized anonymity. Such an outstanding project, we call it V-Dimension Cloud (VDC).

The initial components of VDC include resonance trading, neural networks, competition systems, super missions, smart contracts, super master nodes, lucky draws, and eco-advertisements. All these functions echo, cycle, and balance, forming a strong internal structure of VDC. Its token economy, community promotion, commercial docking, value precipitation and network expansion will all subvert the concept behind the centralized business model.

Ultimately VDC will be one of the largest networks for third-party cloud services worldwide. It allows anyone to join the network and participate in the activities of the cloud service network. With VDC, you have the right to participate in the construction of cloud communities, and you can become a willingness to cloud services such as data sharing. Through the joint efforts of the community, create a new, decentralized Internet cloud service ecosystem.

In terms of operational strategy, VDC takes the decentralized community as a guiding principle and encourages Ethereum users to be the main force for project launch. Following the principle of decentralization, it minimizes the community impact of the development team. This has created more space for the long-term development of VDC, and is also a tribute to the ancestors of Satoshi Nakamoto, Vitalik Buterin and the VDS project team.

VDC is not just another new blockchain product. It brings a fully decentralized network of finance, new business projects, social and storage, a truly disruptive business practice, and a reshaping of the value of the Internet. It leads the way for humanity to lead to new economic freedom, and it is an immortal idea and an indestructible idea.

VDC hopes to make people realize the long-term significance of the decentralized consensus, to appreciate the preciousness of privacy and freedom, to promote the progress

of human civilization by connecting the power of life, to face our unknown future and ourselves with sincerity and love.

Project Vision

The advent of the 5G era has led to explosive growth in information and data. It can be argued that if anyone can grasp this information and data in the future, who can lead a new generation of world trends. Faced with the data flow like gold, Internet giants have seen the business prospects and joined the gold rush team. Under the containment of the Internet giant crocodile, do we ordinary people only have to wait for the fate of being harvested? No! The emergence of blockchain technology has opened up new opportunities for the public who are eager for freedom and equality.

The blockchain is not only an upgraded version of the distributed database, but also the foundation of the intelligent era. It is also the next upgraded version of the private enterprise, private individuals, and private organizations to build their own private cloud. With the application of the blockchain, each Organizations and individuals all have their own security trust data. They no longer worry about data corruption, loss, tampering, etc. by sharing their own data to the cloud.

VDC is to build an autonomous, stable, selfless, shared, world's largest third-party cloud service platform. VDC is different from traditional blockchain. Under the premise of retaining the necessary features and security features of blockchain technology, combined with the complex requirements of social network, it is suitable for self-organizing organization and distributed neural network. And the socialized blockchain system of the corresponding economic and social systems. Global business projects, advertising traffic, cloud storage services, individual people and goods, trade and currency, organization and society, information and data are all integrated through the blockchain system.

VDC adopts a community-based resonance distribution mechanism to return the benefits generated by each stage to the community, and the development of the community will continue to provide motivation for the project. Resonance trading will be divided into multiple phases, and the sooner users participate, the more rewards they can get.

While realizing the freedom of the masses, VDC has not forgotten the grand blueprint for the realization of the project. With the support of a strong technical team and a consensus community, VDC will quickly enter the global cloud services market, bringing huge profits to the entire ecological community. VDC will use no less than 50% of the resonance tokens for ecological development, including equipment procurement, secondary market token repurchase, server operation management, partner expansion, resonance pool filling, etc.

Token Economy

VDC will build a global new business ecosystem through the decentralized, open, fair, just, non-tamperable mechanisms and attributes of blockchain technology, and build a global new business ecosystem for all participating communities around the world. To create a new sustainable and shared, new economic cycle ecological network.

VDC coin is the name of the basic circulation unit within the VDC ecosystem and the only commercial and financial delivery medium. In addition to account logging and payment, VDC coin can also activate the VIP identity of the entire neural network ecosystem, motivate the operation of the primary node (guarantee the stability of the network), and run smart contracts within the system.

Basic Information

Fixed total circulation: 5,000,000,000 VDC coins
- Resonance Trade: 3,250,000,000 (65%)
- POS Mining: 1,000,000,000 (20%)
- Ecological Development: 750,000,000 (15%)

For Ecological Development portion, 500,000,000 coins are reserved for future planning; 250,000,000 coins are pre-allocated as following:
- Airdrops: 50,000,000 coins, will be used for airdrops to Ethereum, VDS and VDC community users.
- Exchange reward: 100,000,000 coins, used to reward trading platforms and users.
- Ecological initial funding: 50,000,000 coins, for initial ecological development, community building, project promotion, volunteer rewards.
- Market promotion reward: 25,000,000 coins, reward market tools, community media and other propaganda partners.
- Creationist rewards: 25,000,000 coins, will be used to recruit creative social group owners rewards.

The relevant distribution and usage of VDC coins will be strictly used in accordance with the corresponding rules, and the use of VDC coins will be issued regularly. The unused VDC coins will be periodically destroyed.

Applications

Resonance Trade

Resonance Trade is the ETH to VDC, one-way exchange channel. By using the same elliptic curve algorithm, ETH and VDC are able to use the same key pairs. This design can convert ETH into VDC under absolutely anonymous and decentralized conditions.

User can start resonance by sending ETH to VDC resonance smart contract address 0xe5fa9eaa53aff323f9a581551a9bb2ffb4282c8a from any user managed wallet.

In VDC, the regular phase is called CEX, and means that coins can be exchanged forever, as here X stands for limitless circulation.

In Resonance Trade, the ETH to VDC one-way exchange is based on the dynamic ratio in the resonance V-Pool. We call the calculation method used to find the ETH to VDC exchange ratio the Resonance V-Pool.

The Resonance V-Pool is structure as following:
- Resonance V-Pool assumes an inverted triangular shape, composed by unlimited levels of different exchange ratios. The amount of VDC in the V-Pool determines the conversion level number, and the current conversion ratio.
- Every level in the Resonance V-Pool has a conversion capacity benchmarked at 100 ETH, which is the maximum amount of VDC that can be exchanged for based on the Resonance V-Pool's dynamic ratio. The corresponding VDC supply for each level is 100 times the level ratio.
- The top level of the inverted triangle is the first level of the Resonance V-Pool. This level has a ETH to VDC conversion ratio of 1:25600.
- Based on the VDC amount and ETH conversion limit within the Resonance V- Pool, every increase of one level the ETH and VDC conversion ratio decreases by ten. For example: at level two the ETH to VDC ratio is 1:25590. At level three, the ratio is 1:25580, and so on. So it is the same on other levels: so at level N level, the corresponding ETH to VDC exchange ratio is 1:25600-(N-1)*10.

ICEX

In VDC, Resonance Trade is divided into two phases, the ICEX (Initial Coin Exchange X) phase and the CEX phase. ICEX is aimed at developing the market in the early stages of the VDC project.

ICEX opened in the Ethereum block height of 8005000, divided into four stages. Each ICEX stage consists of 46,000 blocks, approximately one calendar week.

- ICEX stage 1 (block 8005000 - block 8051000), participates in resonance get 3 times VDC token (200% reward) compared to CEX.
- ICEX stage 2 (block 8051000 - block 8097000), participates in resonance get 2.5 times VDC token (150% reward) compared to CEX.
- ICEX stage 3 (block 8097000 - block 8143000), participates in resonance get 2 times VDC token (100% reward) compared to CEX.
- ICEX stage 4 (block 8143000 - block 8189000), participates in resonance get 1.5 times VDC token (50% reward) compared to CEX.

For ICEX rewarded VDC tokens, 25% are unlocked, and the remaining 75% will be released in 10 block weeks after ICEX ends, unlocking 1/10 per block week (each block week contains 46000 blocks).

For principal VDC tokens exchanged, there is no lock and they are released immediately after participating in resonance.

Wallet

VDC Wallet is a decentralized eco-application wallet that can be monitored and transaction managed through an online wallet to meet the needs of user asset storage. The VDC wallet is compatible with most mainstream currencies on the market while supporting ETH assets, providing users with a professional and high-quality user experience.

Neuron network

The entire trust neuron network looks like a collection of countless pyramid structures. Through the neuron system, all interpersonal networks become transparent and traceable on the VDC chain. The benefits of interpersonal expansion will be obtained by users in the trust neuron system. This not only creates a bridge of trust between users, but also branded a neuron that can never be tampered with, that is, trust neurons.

How many trust neuron pyramids are born in the VDC chain with how many successfully activated VIP source points. Each trust neuron pyramid can have a link relationship of an infinite network. That is, each VIP source point is at the very top of each trust neuron pyramid. All fission relationships begin with these VIP sources.

Each trust neuron pyramid has its own unique interpersonal relationship chain. This is a huge neural network. Even if we can invite everyone in the world to join our VIP trust neuron system, we can't fill it up. Conversely, this is a world full of infinite value.

VIP

VIP is the identity of the VDC community identity, and it is the only identity certificate in the VDC that is capable of demonstrating the user's participation in the consensus value of the entire ecological network. To a large extent, only VIPs can truly experience the power of VDC. Every VIP joins, like a neuron, constantly participating in the formation of a huge consensus-building eco-value sharing system.

There are two ways to become a VIP.

- Activates root VIP of a neural network. The steps are as follows::
    - Redeem more than 100000 VDC coins in the resonant tank.
    - Send 100000 VDC to the resonance contract address.
- Join any existing VIP neural network. The steps are as follows:
    - Redeem more than 6667 VDC coins in the resonant tank.
    - In ICEX phase (ended at block height 8189000), send 1666.666 VDC to any activated VIP address.
    - In regular CEX phases (starting from block height 8189000), send 6666.66 VDC to any activated VIP address.

After becoming a VIP, any direct invitation will receive 6060 VDC coins as rewards, any in-direct invitation will receive 60 VDC coins as rewards.

Community Incentives Match

In order to follow the decentralized design principles, VDC system will directly distribute the 50% ETH raised during Resonance Trade to the community winners.

In each block week, there are 3 games:
- Invitation Match (75% ETH) rewards Top 10 inviters by the accumulated invitation scores.
- Piloting Match (20% ETH) rewards Top 10 lead investors by the number of resonance tokens.
- Lucky Match (5% ETH) rewards 10 lucky people by resonance trading hash.

The community incentive portion of ETH raised in ICEX phase will be divided into 24 shares. The first 4 shares will distribute at the end of the ICEX phase, and the remaining 20 shares will distribute weekly afterwards.

Future

The decentralization power contained in the VDC ecosystem will redefine the way this centralized world works, and provide support and assistance to all aspects of innovation projects around the world. I hope that our operation will bring new consensus and inspiration to the whole industry. . Regardless of wealth formation, business landscape, or value distribution, whether it's privacy or internet freedom, the VDC incubator eco-cloud will ignite the hope of a free-conspiratory society.

In the process of innovation and practice of technology in the past decade, we have gradually realized that the blockchain is not simply a technology, but a global socialized "consensus trust" concept that encourages people around the world. The Internet establishes a system that can be supervised and has governance rules. The promotion of this socialization concept cannot rely on one power, but requires the world to cooperate with allies to win the future. We actively embrace the changes brought by blockchain technology, and we also look forward to sharing our experience in applying and applying blockchain technology, and working with all community partners around the world to solve unresolved issues in blockchain application and promotion. Based on the above-mentioned "VDC 1.0 White Paper", which is different from other white papers in the field of blockchain research, this white paper does not elaborate on the macro environment and solutions of blockchain technology, but based on the blockchain technology platform itself. From a practical point of view, combined with potential blockchain application scenarios, and giving suggestions and developments for the development and application of blockchain technology, we look forward to working with more partners to build a blockchain technology ecosystem and land more. Blockchain "killer" application. We are actively preparing for the opening of the blockchain DAPP platform that supports more applications, helping more governments, logistics providers, brands, financial institutions and other partners around the world to establish a suitable blockchain technology platform; with the opening and technology of the VDC platform As the application continues to accumulate, our technical team will continually update this white paper to complement the parts of the current release that are not covered or flawed.

The goal of VDC is to build an integrated smart business system, retail network and financial technology with the blockchain as the "incubation linker" and the experience accumulated by the alliance in new technologies such as cloud computing, big data, artificial intelligence and Internet of Things. Close to the distance between global trade goods and customers, in the development of a consensus-free shared economy era, fully open up its own blockchain technology accumulation, and share the value future with all partners around the world.