4EVERLAND

A Cloud Computing Platform of Web3.0

1. Introduction

4EVERLAND is a Web 3.0 cloud computing platform that integrates storage, computing, and network core capabilities. It aims to help the user to make a smooth leap from Web 2.0 to Web 3.0 and become the infrastructure for millions of Web 3.0 developers and applications.

4EVERLAND realizes the need for inter–blockchain communication and interoperability between multiple chains and so it utilizes the IBC technology to integrate with the underlying public chains such as Ethereum, BSC, Solana, Polygon, and Filecoin. Similarly, 4EVERLAND also provides a distributed, high–efficiency, self–incentivized, and low–cost data hosting network based on an open protocol system like IPFS to meet developers' requests for inter–blockchain communication, decentralized front–end, and write once, run any blockchain, making it easier to quickly build Web 3.0 applications.

Mission: To help users make a smooth leap from Web 2.0 to Web 3.0

Vision: To be the infrastructure for millions of Web 3.0 developers and applications

Positioning: A blockchain technology–powered, cloud computing platform for Web 3.0

2. Design

2.1 Technical Design
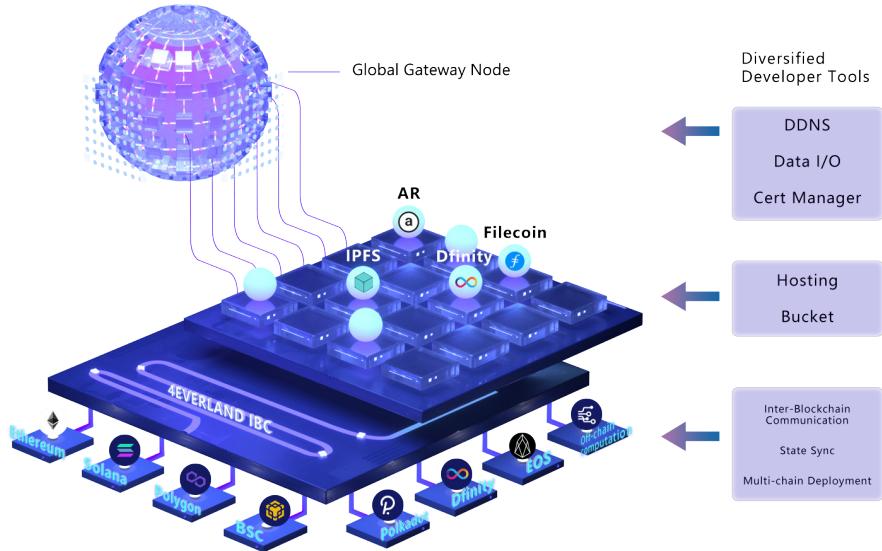
Figure1: Overall Technical Design of 4EVERLAND

2.2 Computing Architecture

4EVERLAND integrates public chains such as Ethereum, BSC, Solana, Polygon, etc., to achieve interconnection and interoperability between multiple chains, helping developers improve development efficiency and to better enjoy the resources of the ecosystem.

• Establish a inter–blockchain Communication

To link standard, homogeneous, and heterogeneous public chains to 4EVERLAND IBC through an open and transparent access mechanism to initiate message transfer and communication between multiple chain.

• State Synchronization

Relying on 4EVERLAND IBC, smart contracts deployed on multiple blockchains can achieve state synchronization to fulfill business needs in multiple scenarios.

• Multi–chain Deployment

4EVERLAND provides multi–chain deployment tools to help developers ignore the differences between different protocols and initiate 'write once, run any blockchain' programming paradigm.
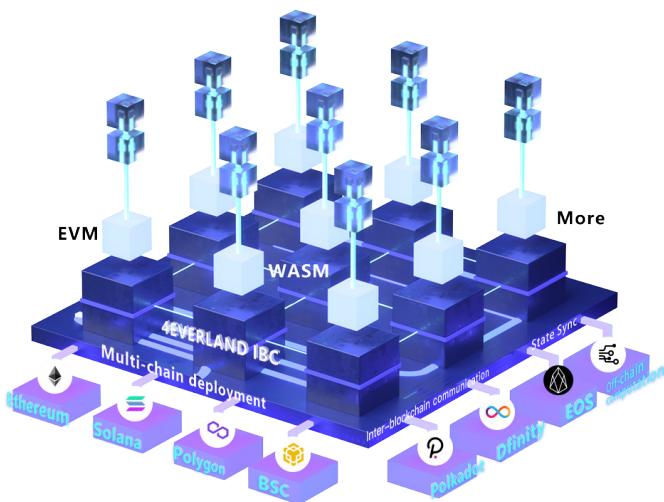

Figure2: Design of Computing Architecture

2.3 Storge Architecture

4EVERLAND is compatible with open protocols such as IPFS, it uses Swarm technology to form a huge storage network of nodes and relies on node collaboration to achieve persistent storage of specific data.
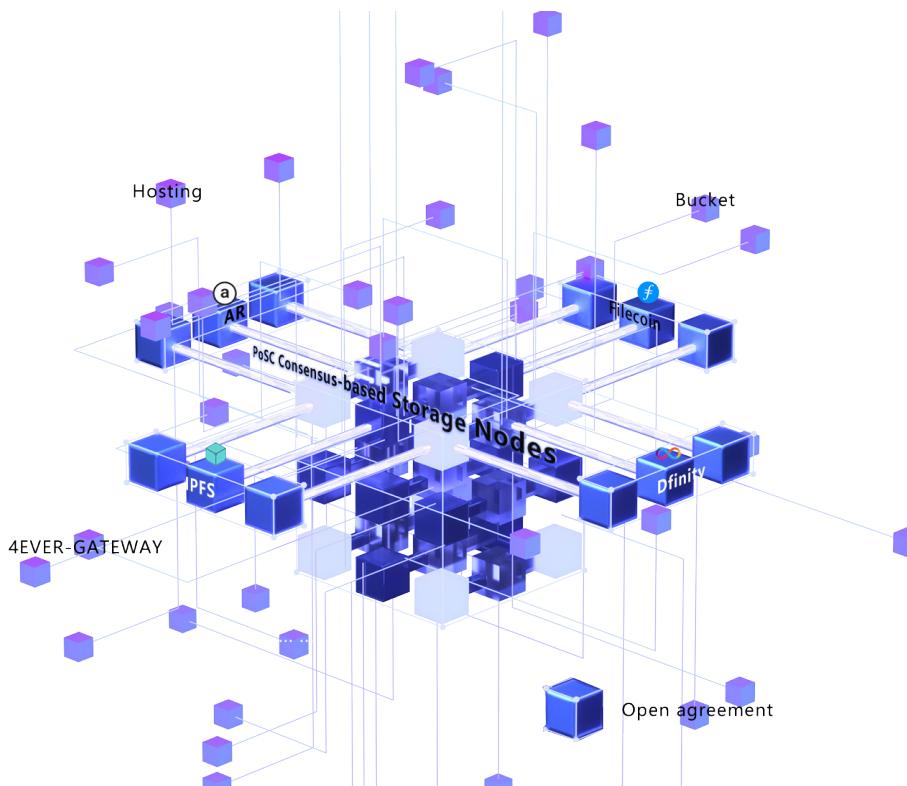

Figure3: Design of Storge Architecture

2.4 Gateway Architecture

4EVER-GATEWAY helps users to access the nearest storage provider. Developers can quickly identify safe and reliable global acceleration based on 4EVERLAND's simple configuration.

- • DDNS, or Dynamic DNS, allows developers to simply configure DNS, or use the free domain names provided by 4EVERLAND to accelerate global content access.

- • The Data/IO module provides content compression, data cache, transfer optimization, and other functions for each site.

- • Cert Manager module provides free SSL for each site, which saves a lot of time for developers.

3. Why Choose 4EVERLAND?

3.1 Features

3.1.1 Global Acceleration
The consensus-driven Swarm network technology greatly improves network availability and provides global developers with more efficient and faster WEB 3.0 accessibility services.

3.1.2 Privacy Protection

4EVERLAND does not need any KYC details. Users are anonymous, and their data is safe and secured.

3.1.3 Distributed Storage

4EVERLAND uses a swarm distributed storage network to achieve data availability and reliability.

3.1.4 Convenient and Efficient

4EVERLAND provides a series of developer tools to help developers quickly implement functions such as one–click front–end deployment and multi–chain contract deployment. Developers can easily grasp the product design, release, and maintenance without any complicated operations.

3.1.5 Low–Cost

4EVERLAND cooperates with various public chain ecological miners to obtain miner support with batch scale effect to help developers reduce deployment and maintenance costs.

3.1.6 Interconnection

4EVERLAND supports a variety of heterogeneous chains, including Ethereum, BSC, Solana, Polygon, Filecoin, etc., through an open and transparent access mechanism to achieve interoperability between multiple chains, helping developers to better enjoy multiple ecosystems system resources.

3.2 Core Services

3.2.1 Write once, Run any blockchain
4EVERLAND helps developers to initiate 'write once, run any blockchain' programming paradigm by integrating various public chains and solving the differences between public chain protocols. In addition, it enables developers of each public chain to deploy contracts and front-ends once and achieve a fully decentralized technical architecture.

3.2.2 DApps can be created without centralized components
4EVERLAND uses a decentralized network system that integrates core services such as storage, computing, and networking, enabling data storage and business logic to run on a decentralized network instead of centralized services like AWS or Google Cloud.

3.2.3 Compatible with the traditional development environment
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3.2.4 Provide multiple ecological resources
4EVERLAND integrates the underlying public chains of Ethereum, BSC, Solana, Polygon, Filecoin, etc., and supports various forms of inter-blockchain information exchange, so that developers can quickly implement multi-chain deployment and multi-chain communication to enjoy the various ecological resources.

4. Token Economics

4.1 Token Distribution
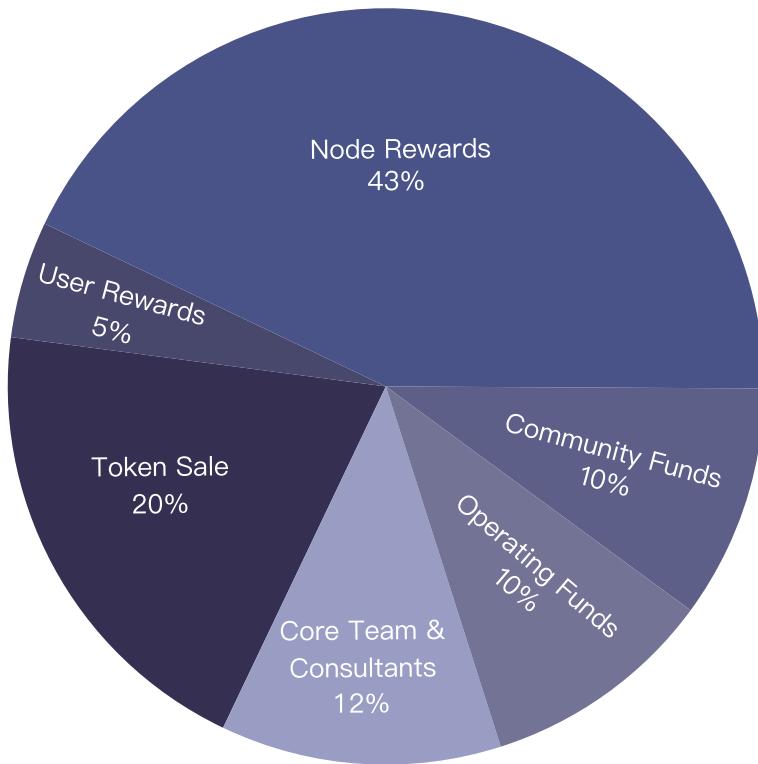
Figure4: Token Distribution Chart

The total supply of 4EVER is 10 billion tokens whose distribution is as

data

follows:

- Node Rewards: 43%
- Community Funds: 10%
- Operating Funds: 10%
- Core Team & Consultants: 12%
- Token Sale: 20%
- User Rewards: 5%

4.2 Token Functions

4EVER is the core asset in 4EVERLAND, whose value is strongly positively correlated with the scale of the 4EVERLAND network. 4EVER token has the following functions:

- Serves as the only staking token for Providers during the auction and vesting period;

- The revenue from developers will be used to buy back 4EVER tokens that are then distributed to nodes as commissions for resource services offered by Providers;

- Serves as network transaction fee;

- 4EVER token holders can propose and vote on network governance decisions through DAO.

5. Roadmap

4EVERLAND

2021–2022 ● **V1 Quark: Our Genesis product completes the overall network architecture of the global node collaboration, provides content storage and global access acceleration services.**

Q1 2021 ○ Market research and product prototype discussion

March 2021 ○ Product design & technology development

May 2021 ○ Establish 4EVERLAND Foundation and Technical Community

June 2021 ○ Release V1 version of the white paper, 4EVERLAND official website online

August 2021 ○ Alpha version: 4EVER–HOSTING is online, realizing Dweb hosting and other functions

December 2021 ○ Beta version: online gateway node, storage node, data statistics service

Q1 2022 ○ Online bidding and lending system, hold the creation node bidding

Q2 2022 ○ The main network is online, a data hosting network that realizes global node collaboration

2022–2023 ● **V2 Proton: We plan to open the underlying storage and network capabilities, by engaging and supporting more developers to build exclusive service platforms, and further expand commercialization capabilities.**

2023–2024 ● **V3 Atom: We plan to integrate and support more heterogeneous chains such as Ethereum, BSC, Solana, Polygon, and Filecoin, etc., to achieve inter–blockchain communication, multi–chain deployment, and other multi–scenario requirements. Finally obtain the capability of Web3.0 cloud computing.**