ace Space

A New Era for Secure Data Management

Protect sensitive data with low-cost and scalable data storage on blockchain.

| Disperse storage resources | Protect your business from data loss | Monetize surplus storage | Reduce servers' maintenance costs | Gain performance | Increase fault tolerance |

About AceSpace

Data is the oil of the digital era. Unlock the real value of digital economy.

No logins, no central servers, no third parties. AceSpace Brings the features of blockchain technology with attributes that meet the risings demand of storing high volumes of enterprise data. Storing data securely, cost-effectively and in compliance with regulations is crucial for keeping-up with present operations and assuring future growth. However, due to corporate data volumes skyrocketing, the challenge of enterprise storage is becoming increasingly demanding.

| Organizations collect data sets so large that it is difficult to capture and store them. | A large portion of data is personal, raising questions regarding privacy and security. | In the future, service delivery will be based on data, now owned by different authorities. |

Businesses
Across business lines, all connected devices require management, storage and retrieval of enormous amount of data. Today, corporations rely on the dedicated server infrastructure and cloud solutions, which leads to a worrying combination of commercial dependency on enormous volumes of data being centralized.

Useful whenever a company needs to store users' data to be able to provide them with a certain service.
You'll find it most beneficiary if your service is distributed by nature, or if there are more companies with interest of providing or using the same service, and to cut down costs or increase data availability at the same time.

IoT Devices
To provide connectivity, the IoT system today uses server-client model, meaning the devices communicate to the cloud, which then processes the data received to decide upon next actions. In other words, the devices interact on the application layer of the Internet, where passwords, two-factor authentications and other implementations are needed to achieve trust and security.

The solution is designed for IoT devices that have a constant requirement for storing data.
As all the devices in the cluster share the same properties, the data exchange can be done without a human intervention. When a new device is added or the old one removed to the network, the system automatically adapts.

How it works?

AceSpace enables tamper-resistant recording and private value exchange, making in the ideal platform for any large handlings and collections of sensitive data. By encrypting the data and splitting it into pieces, the solution effectively addresses all critical issues of existing cloud infrastructure, including the risk of data loss, network down-time or a power failure.

Peer-to-peer data exchange

The data exchange is based on IPFS, a distributed file system that operates outside of blockchain layer but communicates with it. The system splits each file into smaller pieces and distributes them across network.

Encryption

Data files are broken apparat and spread across multiple nodes, making them accessible only to the owners of private keys.

Security

AceBlock ensures data integrity through blockchain and digital security best practices. It provides irrevocable chain of command, so the provenance of data is unquestionable. If there is a form of data loss, the original can be recovered.

Controlability

AceSpace uses AceBlock private chain operability to make sure you have complete control over data an no one outside the company can access it.

Scalability

By incorporating the IPFS system, AceSpace allows the users to store and retrieve data, all without burdening the mainchain itself.

Efficency

Prior to acquiring new assets, blockchain storage uses-up every byte of available storage out of existing infrastructure.

Let your business benefit from all the advantages of a true blockchain, with an unmatched security, efficiency and controllability of a private network.

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AceBlock Framework

Are you considering blockchain data storage for your organization?
Let's talk.

www.aceblock.com | hello@aceblock.com