Model Of The DCB

Decentralized Cloud Blockchain

ILCOIN Development Team March 2020

The essence of the DCB is to create a decentralized system where data storage and data exchange are realized on a transparent basis. The DCB is the world's first decentralized data trading platform.

The business value of the DCB is given by the fact that platform users become part of a decentralized system where the values they upload (images, files, videos) are stored in a decentralized way; forming a transparent unity of ownership and permanence.

The authenticity of the platform is given by those Full Node and Light Node partners who are involved in running data. Full Node partners benefit from the DCB data traffic through the Partner Node system.

Based on the advantages and shortcomings of the currently available cryptocurrencies and blockchain platforms of the market, our main objective with the establishment of the DCB is to create a platform that offers unique opportunities.

Thanks to the smart contract system as well as on-chain and off-chain based data storage, users are provided with outstanding opportunities that ensure the type of business efficiency that cannot be found on any other platform.

The goal behind the creation of the DCB platform

Have you ever thought about the fact that when you upload a photo or video to any of the social media platforms, you have actually given that data away for good? What will the tech giants of the market do with your data?

The essence of DCB technology is that all shared data will remain in your possession since, in the case of both on-chain and off-chain data storage, references will verify the identity of the owner. In other words, data can't become abused/misused. It is only natural to be curious how all of this is possible. The answer is quite simple: With the help of the blockchain.

The DCB allows all data that gets stored on the platform to be handled in a decentralized way and to be transparently verifiable for the owner of the data. To achieve this, one obviously needs to be running a decentralized platform where any possibility for anonymity is eliminated since the terms and conditions of platform usage exclude all possibilities for any anonymous abuse.

At the ILCOIN Development Team, we believe that data decentralization and data authentication transparency are the two factors that carry the greatest value. In order to realize a widely recognized adoption of the platform, we must meet the satisfactory and necessary conditions of KYC.

We do not wish to tell you how you are supposed to use the platform. Instead, we are constructing a system where the value of the DCB community is guaranteed, and those people who bring value to the platform are ensured use of the world's most modern data storage system.

How is the DCB different from all the other blockchain platforms?

The idea behind the DCB is the creation of an opportunity for widespread blockchain adoption that no other platform is able to offer. The very foundation of the DCB is the Command Chain Protocol (C2P) and the RIFT Protocol, which are indispensable parts of ILCOIN's blockchain technology and together form a one-of-a-kind blockchain.[1] Our aim is to provide a tremendous number of utilization opportunities; the adaptations of which will increase the possibility for distributed ledger technology's global introduction by solving the blockchain networks' scalability issues.

The RIFT Protocol is the first technology to solve the problem of scalability; the result of which is proven by the production of a 5 GB block on the live net.[2] This landmark block may be viewed at the block height of 310280 at ilcoinexplorer.com. However, the point of the 5 GB block is not only its size but also the unique approach used when generating the block. The RIFT Protocol is capable of asynchronization; the result of which solves both the FIFO and the Bottleneck problem.[3] To our knowledge, this level of efficiency currently cannot be found in any other technologies in the world. Thanks to RIFT technology, together with C2P, the DCB is currently a much faster and more secure system than any other platform. (further information: RIFT Blue Print)

The adaptation of smart contracts: Solidity

During the development of DCB technology, our main objective was to create a platform that is adaptive and can be widely adopted. The platform's adaptive nature is derived from the most widely accepted and best-known programming language on the market, i.e., the Solidity programming language that smart contracts are built on. The reason behind ILCOIN developers opting for this solution is the fact that the most significant, most prominent blockchain developments are all based on Solidity; making our smart contract systems related to the DCB technology easily adaptable for systems like Microsoft Azure or SAP.[4]

The finished platform will possess countless qualities that most platforms on the market lack; meaning that the DCB's adaptation might not only emerge as a possibility in the future but there may also be a necessity for it.

Why is ILCOIN important for the DCB?

ILCOIN provides a stable, operational and financial basis for the platform. As previously mentioned, this basis carries opportunities that cannot be solved by a traditional financial approach thanks to the C2P and RIFT technologies. Therefore, ILCOIN plays a very important part of increasing partners' willingness to co-operate.

There are two different ways to join the ILCOIN Blockchain Project; each of which come with different privileges for partners that wish to join.

Light Node partners do not form part of the DCB's on-chain data storage system. However, they may still enjoy a number of benefits of the platform.

Full Node partners are the ones who run the entire data content of the DCB; ensuring the system's decentralization. As is indicated in the The Decentralized Cloud Blockchain, Full Node partners shall receive ILCOIN rewards for running data storage participation.

Also, there are Sentinel Nodes.

Sentinel Node's role is to ensure transparency of the DCB's complete data storage for the Light Node partners. That is, Sentinel Nodes transmit records that are related to on-chain data, and they also give the basis for the platform's off-chain based data storage.

Why is it worth it to store my data using the DCB?

The DCB is a data storage and data trading platform with various functionalities. The essence of the platform is to ensure that all data uploaded becomes permanently captured and timestamped through the blockchain.
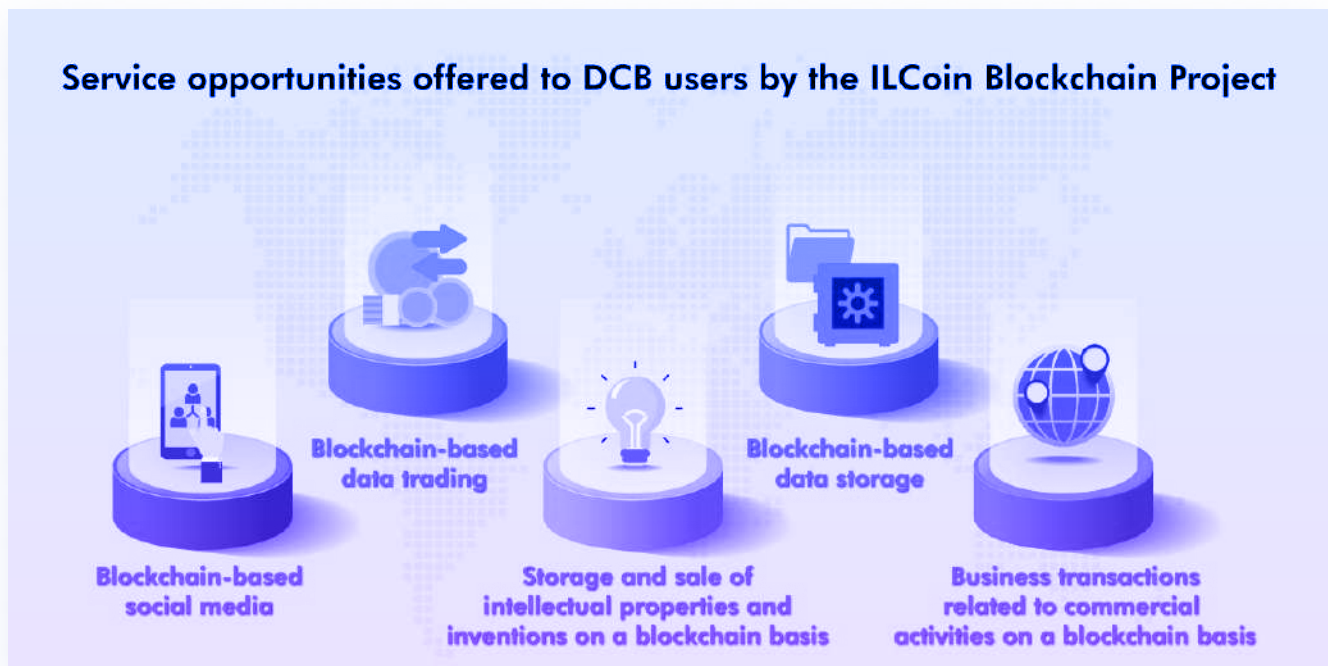
In addition to storing data, you may also perform multiple levels of business operations with the help of the DCB:

1) Storing online products on an off-chain basis and selling them through smart contracts

2) Storing online products on an on-chain basis and selling them through smart contracts

3) Storing online products on an off-chain basis and selling them through smart contracts using the public data bidding system

4) Storing online products on an on-chain basis and selling them through smart contracts using the public data bidding system

The DCB makes it possible to verify the identity of the person uploading the data, by which authentication transparency and decentralization are guaranteed.

Service opportunities offered to the DCB users by the ILCOIN Blockchain Project

- Blockchain-based social media
- Blockchain-based data trading
- Blockchain-based data storage
- Storage and sale of intellectual properties and inventions on a blockchain basis
- Business transactions related to commercial activities on a blockchain basis

Service opportunities offered to DCB users by the ILCoin Blockchain Project

Blockchain-based social media

Blockchain-based data trading

Storage and sale of intellectual properties and inventions on a blockchain basis

Blockchain-based data storage

Business transactions related to commercial activities on a blockchain basis

Build your own DCB platform

The objective of the ILCOIN Blockchain Project is not only to provide its own users with a service opportunity on the DCB platform, but also to deliver the possibility to anyone to build their own DCB-based businesses with the help of the DCB and its related modular smart contract system.

Tokenization detailed in the The Decentralized Cloud Blockchain and the system-related smart contracts will provide a solid foundation for this. As the DCB is a decentralized technology, anyone may build their own system by utilizing the extraordinary capabilities of the platform such as the RIFT Protocol and modular smart contracts.
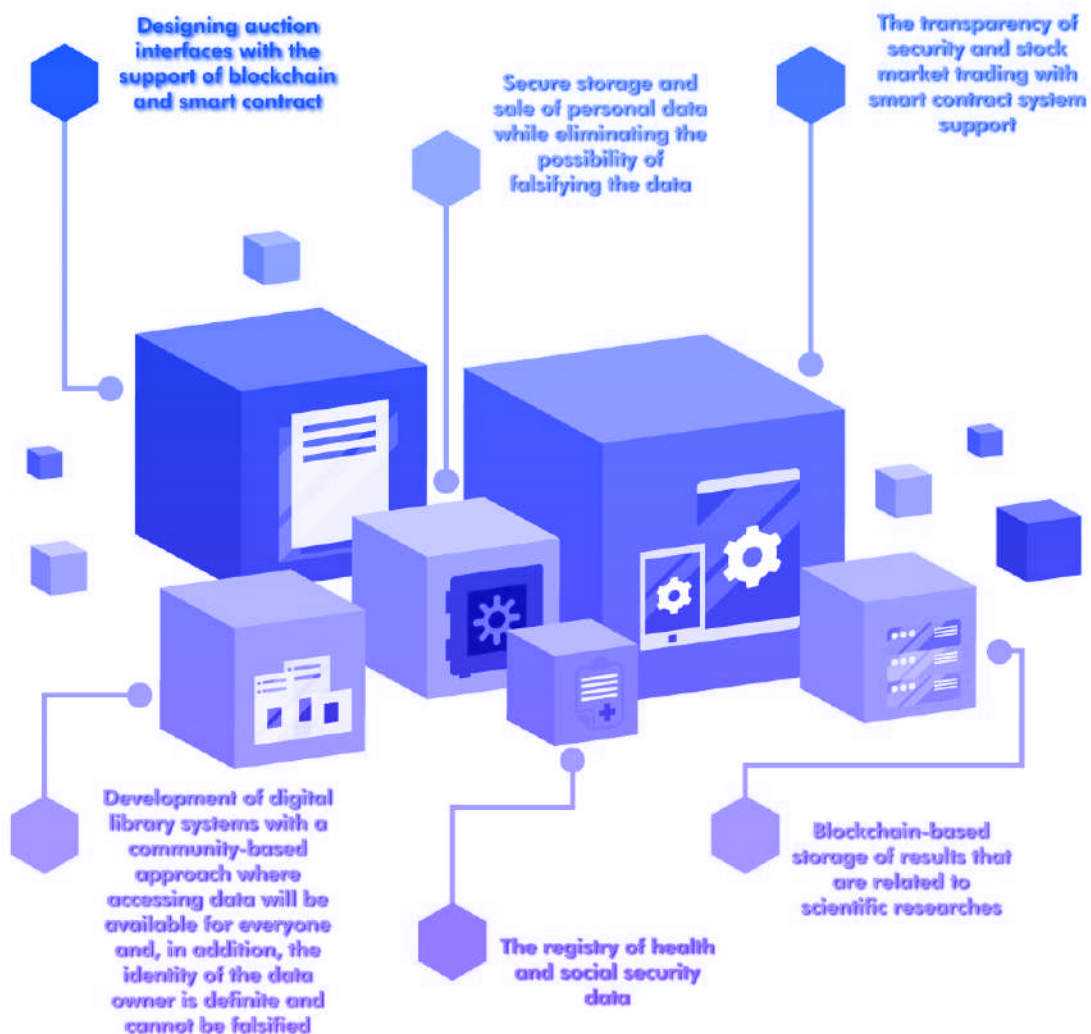
Which fields could become revolutionized by the DCB technology?

1) transparent social media platforms where users will retain the exclusive ownership of the data they upload, and they will also be provided with the opportunity to sell their data through an internal trading system

2) sales support relating to inventions where complete patent rights transparency is ensured by the blockchain and the use of smart contracts

3) secure storage and/or consensual sale of data while simultaneously eliminating the possibility of falsifying the data

4) blockchain-based escrow service where parties have the opportunity to assign complete business-related documents to the smart contract

5) constructing transparent media interfaces while eliminating the possibility of anonymously falsifying news

6) designing auction interfaces with the support of the blockchain and smart contracts

7) the registry of futures trading on the blockchain with smart contract support

8) blockchain-based registry of traffic data which could form the basis for the development of an efficient AI system

9) blockchain-based support for global commodity trading systems, by which the authenticity of any transaction is ensured

10) development of digital library systems with a community-based approach where accessing data will be available for everyone and, in addition, the identity of the data owner is defined and cannot be falsified

11) blockchain-based storage of results that are related to scientific researches

12) data storage relating to corporate governance systems

13) the potential for a decentralized Internet with the utilization of blockchain

14) the registry of health and social security data

15) the transparency of security and stock market trading with smart contract system support

16) ...as well as many other possibilities

Currently, it is very difficult to say anything with certainty about the effects blockchain technology will have in the following decades. Even though the revolution has just begun, it is already clear that decentralized data storage is, in fact, the future. The examples above only give a general illustration of the utilization opportunities that reside in the potential of DCB technology.

While taking free usage opportunities into consideration, we aim to create a platform where all users can find their own business, private, or community goals. The DCB is a tool through which everyone has the possibility to realize their own objectives.

Which fields could get revolutionized by the DCB technology?

Designing auction interfaces with the support of blockchain and smart contract

Secure storage and sale of personal data while eliminating the possibility of falsifying the data

The transparency of security and stock market trading with smart contract system support

Development of digital library systems with a community-based approach where accessing data will be available for everyone and, in addition, the identity of the data owner is definite and cannot be falsified

The registry of health and social security data

Blockchain-based storage of results that are related to scientific researches

Summary

In the 21st century, the phenomenon of selling data and the opportunity for data abuse/misuse will continue to take place. As the world's first decentralized financial system, Bitcoin has proven that people need transparent data storage. However, Bitcoin does not wish to move forward from the level of transactions; thereby filling the role of the uncrowned king of the crypto-world. With that being said, beyond transactions, the world needs to initiate a data storage revolution where data cannot be unlawfully taken away from its owner.

References

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