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# CRYPTO BANK

C-BANK is an integrated virtual asset management platform where various assets of different exchanges can be managed in one platform. CBANK also enables easy transfer and real-time payment in affiliated stores.

whitepaper Ver 1.0

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## Summary

Virtual asset is one of the most innovative technologies existing today, but there are some analog inconveniences that hinder practical usage. Some of the difficulties are: 1. cumbersome asset management due to different virtual assets listed on various exchanges, and 2. the complicated transfer process in which a complex and long wallet address must be entered each time. Another issue is that because the virtual assets are only traded on the exchange, and they do not have a daily usage. To address such problems, Crypto Bank presents an optimized platform for smart virtual asset management and usage.

Using the exchange's API key, users can manage various virtual assets with one application. By registering friends, transfers and remittances can be made in few easy steps. Also, the user can deposit their virtual assets in the Crypto Bank custodial (trusted) account to make real-time payments with virtual assets any time at the affiliated stores.

Crypto Bank enables virtual payments with a single QR through a patented technology called the Smart QR system, which is compatible with various existing payments such as Kakao Pay and Zero Pay in Korea. With the recent outbreak of Covid-19, the global society has been plunged into a non-contact culture. In such environment, QR payment is rapidly emerging as an ideal non-contact payment system. Keeping pace with such changing times, Crypto Bank offers a convenient integrated solution that enables the real-time payment and settlement using virtual assets.

## Changes and Opportunities

We are moving towards a cashless society. Since 2018, Starbucks has been piloting cashless store campaign, successfully expanding the system nationwide in Korea. As more stores are adopting cashless payment system, most of franchise stores and even small businesses are implementing digital payment devices such as POS and kiosks. Thus, cash payment is becoming more and more obsolete.

Such a phenomenon suggests more than the diversification of payment systems or advancement of technology. We need to pay attention to a more fundamental change taking place in our world. While the movement towards a cashless society is an external phenomenon, the cause of such change is due to the digitalization of money and the transition to a non-contact society.



With the internet taking over the everyday life, people have become accustomed to the digitalization of values. We know that the numbers on the bank account are not just numbers, they are values. People know that sending and receiving numbers mean an exchange of value. This is a digitalized trust system. We no longer need to carry money in their wallets, because digital payments are possible anytime, anywhere with a smartphone that can perform complex functions in simple steps.



## Changes and Opportunities

Moreover, the outbreak of Covid-19 pandemic forced the implementation of non-contact daily life for the global population. It has become the norm to wear a mask outside. In addition to wearing masks, many aspects of our society are already transformed to adapt to a non-contact society. It is no coincidence that cash payments are disappearing and while digital payments are taking over. We must be ready to face to such a huge flow of change.

Virtual Asset's Every Possibility  
In One Service



**Changes are often perceived as crisis.**

**Change is a process of going through pain to discard familiarity in everyday life with unfamiliarity.**

However, one can accept the change as an opportunity for improvement or innovation. Whether to accept change as a crisis or an opportunity depends on one's choice. People who see change as a crisis stay stagnant. Those who see change as an opportunity will continue to move forward. Eventually, the world will adapt to change over time. In the end, people will realize that the Covid-19 pandemic was the catalyst for further progress. The digitalization of money and the transition to a non-contact society foretell the emergence of a new market. Such changes are also a golden opportunity to for those who seek to venture into unfamiliar territory.

## Issues to Address

Virtual asset holders suffer from the inconvenience of using multiple exchanges at the same time because each exchange handles different types of virtual assets. Another issue is that each exchange implements different security policies, making it difficult to systematically manage assets. While the user ID, password, and OTP are basic requirements for security, in some cases, additional requests such as email approval, text authentication, and security number are necessary. Such complex security measures cause the user to forget or lose the log-in security authentication information. Once the information is lost, it is nearly impossible to remit or withdraw the assets. This is why an integrated asset management platform is desperately needed.

The virtual asset settlement platform poses another issue. There have been attempts to use virtual assets for payment. However, there has been constant criticism that virtual assets are not suitable for real-time payments because of their slow transfer and high volatility. Nevertheless, attempts to link virtual assets with daily consumer life are gradually gaining more meaningful results.

Still, many challenges remain to be solved. Most virtual asset payment platforms fail to attract offline affiliates because they only support limited payments on online channels. However, the platforms end up focusing on online stores because it is practically impossible to recognize virtual assets with the conventional Point of Sales terminal devices. While there are places that accept payment with virtual assets through paper QR codes, most stores do not welcome the use of QR codes since it creates clutter on the payment counters and the settlement process is not intuitive. For a payment system to be widely accepted, both the users and stores should not experience any inconvenience during the payment and settlement process. Unfortunately, there is a wide gap between the digitalized virtual assets and still analogous payment and settlement systems.

# Crypto Bank Solution

## “ Integrated Asset Management ”

Crypto Bank provides an integrated asset management platform.

Using the Application Programming Interface (API) key provided by the exchange, the functions of various exchanges can be used in one application. On the Crypto Bank platform, users can check the overall asset status at a glance, and check the market price of assets on different exchanges. In addition, arbitrage trading is possible by using the asset transfer function.

## “ Easy Transfer ”

Crypto Bank provides an easy transfer service with a single registration.

Once a friend is registered on the user's account, the user can send virtual assets to the friend by selecting an exchange the user's choice. On Crypto Bank, the user can enter the transfer amount in KRW to remit virtual assets for easier usage. The existing method for virtual asset transfer from one exchange to another requires entering the quantity. For example, to transfer Bitcoin, the user needs to enter the quantity to the decimal point. However, Crypto Bank makes the remittance process much easier because the amount of the token is automatically calculated according to the market price when the user enters the transfer amount in KRW.

## “ Smart QR Payment System ”

Easy payment at affiliate stores with an integrated QR.

Crypto Bank's unique Smart QR Payment system is a patented technology that enables two QR code reading devices to process a QR code twice to mutually confirm the information and proceed with the correct payment process. This method enhances security and makes the payment process as simple as using a credit card since the whole process is made through the POS machine of an affiliate store where QR code is generated. Crypto Bank's Smart QR Payment system can recognize the information of various payment systems with only one QR, so it has excellent scalability to support wide range of payments. Therefore, Crypto Bank provides the convenience for both the users and store managers.

The following describes the Crypto Bank's payment process: The user selects a virtual asset for payment on the Crypto Bank mobile app and scans the QR code displayed on POS. Payment is made by subtracting the quantity of the virtual asset equivalent to the price of the product. At this point, the quantity of the token is determined by the market price at the time of payment.

The deducted virtual asset is immediately sold at the current market price and deposited as cash. The affiliated store receives settlement in KRW through a settlement company (payment gateway) designated by Crypto Bank after the third business day. This process is similar to the existing credit card payment settlement. As customers do not have to worry about the volatility of virtual assets when making payment, they become more comfortable with using virtual asset settlement.

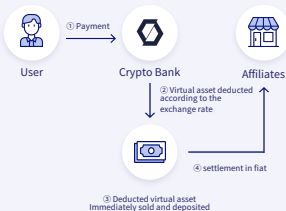
## Crypto Bank Solution

Immediate deduction of the user's virtual asset at the time of payment at the real-time exchange rate. The sold token is settled with the store in fiat currency.

While Crypto Bank is a virtual asset management and payment platform, it emphasizes the fintech integrated payment model. The platform must be able to integrate with the existing payment system to attract offline franchises, rather than introduce a totally new system. To expedite the integration, Crypto Bank is taking the lead in distributing POS to affiliates of top POS service providers, Daewon POS, Chanyul, and Paycrux. Also, the platform is cooperating with T-Payment, a taxi payment company, to supply virtual asset payment devices to private taxis in Gyeonggi, Incheon, and Daegu.



### User Payment Process



# Three Advantages of Crypto Bank

## Convenience

Crypto Bank allows the users to easily manage virtual assets that have been stored across multiple exchanges in one app. Virtual asset transfer and remittance can be processed easily with just few taps. In addition, real-time payments can be made with virtual assets without any technological barrier, with similar interface with the rapidly rising QR Pay trend.



### Convenience

Management of virtual assets,  
convenient on-and-offline payment



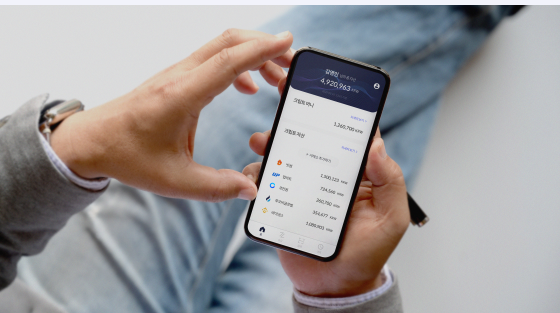
### Security

2-Tiered encrypted  
security system



### Extensibility

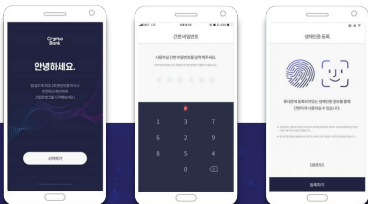
Applicable to various payment  
and transfer system



## Three Advantages of Crypto Bank

### Security

Crypto Bank implements a three-tier security system to protect the user's personal information. Step 1 is mobile phone identification; Step 2 is convenient password; and Step 3 is biometric authentication.



Also, Crypto Bank fundamentally prevents the user's virtual assets from being leaked or hacked from external attacks by storing user's lock and key separately with double encryption.



User

User's lock and key separately stored with double encryption

External hacking prevented with separate storage



## Three Advantages of Crypto Bank

### Scalability

The fintech technology embodied in Crypto Bank's Smart QR Payment system has excellent scalability that can be applied to various services, platforms, and systems. Virtual asset payment and various point payment system can be converged with the existing payment methods with simple software update. The technology can be applied to online and offline affiliates as well as remittance services.

Such scalability enables Crypto Bank to become a comprehensive and integrated platform that provides various services without competing for users with the existing companies. In addition, users can also donate their virtual assets on World Vision to help children in need globally.

#### Easy

Existing payment system used with simple software update

#### Service

Applicable to payment, transfer service and on-and-offline store services

#### Platform

Integrated platform to provide service without competing with the existing service providers

#### Global

A global service that caters to international users and service providers



# Token Economy

Crypto Bank, in simple terms, is an integrated virtual asset management platform, but on a deeper level, it is not a project aims to serve only the virtual asset users. Crypto Bank pursues the naturally induced popularization of the blockchain by adding the payment function to connect the blockchain ecosystem and the daily life to expand the boundaries of virtual assets. In other words, Crypto Bank is a blockchain project for everyone. C-BANK is a utility token that implements Crypto Bank's blockchain philosophy.

The following explains the C-BANK token design.

## 1. On and offline real-time payment

Crypto Bank fully supports the online payment system using virtual assets, as such service has already been realized in many projects. One differentiation of Crypto Bank is its offline payment service. Thanks to Crypto Bank's patented Smart QR Payment system, it is possible to pay with virtual assets with a simple software update on various POS of the affiliates. The users of virtual assets and the store managers with little or no understanding of the blockchain can use the payment system as it implements an intuitive real-time payment process. C-BANK token is used as a form of payment on Crypto Bank applications. Once a payment is made, the C-BANK deposited in the Crypto Bank custody account is sold in real-time through the exchange's API linkage, and the affiliated store quickly receives settlement in fiat within three business days.

## 2. User Benefits

Crypto Bank plans to support payment of various virtual assets, starting with the C-BANK token. Users who make payment with virtual assets will be eligible for various rewards, such as promotional discounts with partnerships with the affiliates. In particular, users can enjoy the following benefits when making payments with C-BANK tokens.

Crypto Bank shares a portion of its revenue generated from the platform with C-BANK holders. Revenues generate from: payment fees, profits from registering various virtual assets as a form of payment, and acquisition of affiliate stores and investment products. C-BANK holders enjoy discount on fee with making payment with C-BANK. Depending on amount held, the holders can also be exempt from paying fees. They can also receive a certain amount of payback based on their holding and usage amount. Details on these policies will be updated later.

Also, Crypto Bank users outside of Korea can enjoy the benefit of making payments without the high exchange fees by using C-BANK. Likewise, Korean Crypto Bank users can make easy payments with C-BANK with overseas affiliates. Crypto Bank is exerting efforts to attract global affiliates in China and Southeast Asian region through its global partners and advisors (IS Global Networks Co., Ltd.).



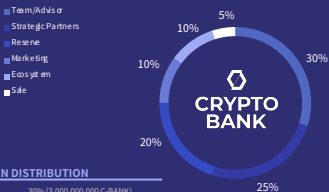
# Token Economy

## 3. CRYPTO BANK FINANCE

Crypto Bank plans to launch its financial product services after stabilizing the platform by securing the number of users.

First, Crypto Bank supports applications to virtual asset investment products through API interworking within Crypto Bank application by entering partnerships with various exchanges and blockchain projects. Users can check various investment products provided by numerous partners, while each exchange and blockchain project can attract investors through the Crypto Bank app. Partners who wish to promote their investment products on the Crypto Bank platform must hold a certain amount of C-BANK.

Second, Crypto Bank plans to launch a collateral loan service by selecting staking products operated by different exchanges through partnerships. Users can borrow virtual assets up to 70% of the staked collateral value depending on the amount of C-BANK held in Crypto Bank. The service users can also receive an interest rate discount when they decide to repay interest with C-BANK.



**TOKEN DISTRIBUTION**

Team and Advisors	30% (3,000,000,000 C-BANK)
Strategic Partners	25% (2,500,000,000 C-BANK)
Reserve	20% (2,000,000,000 C-BANK)
Marketing	10% (1,000,000,000 C-BANK)
Ecosystem	10% (1,000,000,000 C-BANK)
Sale	5% (500,000,000 C-BANK)

## Team



**Hoeun Jang**

CEO

University of Adelaide  
Onoff Korea COO  
buddypay CEO  
Plane35 Personnel officer  
Loofund Advisor



**Jeffrey Kim**

CTO

Head of Sales at Paradise Co., Ltd.  
Head of Grand Korea Leisure Co., Ltd.  
Manager of Grand Korea Leisure Co. Ltd.,  
Incheon Airport  
Head of Lealdoom Co., Ltd.  
Head of Sabertiger Leisure Co., Ltd.



**David Kim**

Senior Engineer

Smk manager  
D-holic in JPN manager  
University of Waterloo  
Onmir Development director  
WanQ Development director



**Yeongseok Park**

Senior Engineer

University of California  
Wow Development director  
Nuri Development director  
Yewon Development director



**Seong-uk Choi**

Engineer

CEO of Korwin Company  
Posting company HFT-DMA operation  
trading development  
Coinzeus Development  
TMTG Stage PoD app development  
Gene Company Solution Development



**Yong-gil Ham**

Engineer

CTO of Korwin Company  
Development of HealthCare Embedded  
Core  
Multiple securities company SW  
development  
Head of Coinzeus backend  
TMTG Token PoD App Development

## Team



**Phil-jong Kim**

Engineer

EBFactory CEO  
Solar power plant system  
development  
Multiple securities company SW  
development  
Coinzeus Front Development  
Anc Network software development



**Nam-kyu Choi**

Engineer

Development of HealthCare Embedded Core  
Multiple securities company SW development  
Coinzeus Front Development  
ThinTechX front development



**Liam Kim**

Marketing Manager

Digital Marketing for CBANK  
Digital Marketing for Slowartworks  
Reviewer at Health Insurance Review &  
Assessment Service  
Customer Support at Tertiary Hospital in  
Korea



**Daniel Kim**

Marketing Assistant

Spring digital marketing  
Channel FUIZ sales and marketing  
assistant  
Korea Social Institute Marketing  
Promotion

## Advisers



**Ren Yi 任毅**

China Guangcai International Group Co., Ltd Vice-President

Guangcai International Investment Group focuses on investment, asset management, convergence and new city construction, modern ecological farming, mining energy, and premium production.



**Berine 熊丹**

Huobi Indonesia Exchange Founding Partners

A graduate of Computer Engineering School, Beijing University of Aeronautics and Astronautics Head database Engineer of Beijing Airport Terminal 3 Operation Center Handled crucial database of cargo system of Beijing Airport and other international airports



**Alexander Wan 尹锥兴**

Huobi Indonesia Exchange Founding Partners

Executive Director and CIO of Ping An Securities Ltd. Over 30 years of business experience in asset management, investment bank, advanced technology, natural resources, and biotechnology in the U.S. and Asian region. Served as Vice President of International Private Bank of Citibank, Vice President and Head of Asia Business Region I of Commercial Bank of BNP Paribas



**Shi Yanqiang**

BLOCK GLOBAL Founder & Chairman

M.A. in Law, Tsinghua University Founder of BLOCK GLOBAL President of Global Blockchain Alliance 11th Asia-America Multi-Technology Association Cradle Plan Deputy Director, Blockchain Expert Committee of International Clean Energy Forum Professor at Fuli Business School



**Allen Liu**

BLOCK GLOBAL CEO / Coinin CEO

Liu co-founded BlockTech Media in March 2018, and has enjoyed rapid growth of the business ever since. He expanded his media business globally to establish Coinin in Korea, BlockTimes in Taiwan, and Beecast in Southeast Asia. His accumulated investment reaches over 10M RMB.

## Partners



### Herbee

Based on Klayin Blockchain Technology (KIP-7) and using Ground Positioning System (GPS), Herbee is a Total Social Network and Easy Communicate Platform (ECP) that links users all around the world by sharing their tastes and lifestyles.



### Sotatek

Sotatek supplies software blockchain-based platforms and solutions to the global market. Sotatek has been selected as the best software and blockchain company in Vietnam and awarded Best Asia Pacific Accelerator by Business APAC, by having sales growth of more than 300%.



### Buddy Pay

BuddyPay builds mutual trust between buyers, sellers and financial institutions by providing electronic payment services stably, which is one of the key elements of Internet e-commerce.

Additionally, BuddyPay let buyers easily access e-commerce and increase the sales of e-commerce companies by providing a secure financial transaction network to financial institutions and telecommunications companies.



### PAYBA

PAYBA is a global payment-specialized fintech company that is striving to revitalize global payments and build an ecosystem. Using PAYBA's simple payment system, consumers can make payments through mobile devices in various countries without additional currency exchange. If a PG company joins Payba membership, they can pay at domestic and overseas affiliated stores with PAYBA.



### TZ VENTURES

TZ Ventures incubates early stage blockchain startups on Tezos. They provide support to projects building on Tezos and venturing into equity financing in Southeast Asia. They mainly incubate projects on Tezos and aim to build real business use cases of blockchain technology. They run a regular program that assists startups with technical support, mentoring, marketing, partnerships, fund-raising and more.

## Partners



### CRYPTOSS

CRYPTOSS PLATFORM is a blockchain project that focuses on linking the real economy of virtual assets. It minimizes the inherent resistance of virtual assets in the payment market through cross-swap between floating and stable virtual assets. CRYPTOSS provide an all-in-one payment solution that supports both general card payment and crypto digital asset payment while having software at the same time.



### SWEPT

SWEPT is an integrated blockchain transfer and payment gateway and financial network that records transaction data safely with transparency. It is also an affiliate of Dubitnae Soft, a company specialized in simple payment through QR technology. Dubitnae Soft is currently working with the Korea Financial Telecommunications & Clearing Institute, DGB U-Pay, and T-Payment to carry out a real simple QR code intermediary service, and SWEPT is securing virtual asset simple payment merchants and upgrading the settlement system.

## Roadmap

### 2022 Q1

Add a coin payment, apply the Crypto Pay card design.

### 2022 Q2

POS Partnership and second round of affiliated stores (Proceed through partner companies)

### 2022 Q3

Securing more than 7 exchange markets that can manage virtual assets.

### 2022 Q4

Securing more than 7 exchange markets that can manage virtual assets.

# Roadmap

## 2023 Q1

Update whitepaper  
Community rebranding

## 2023 Q2

Test Cryptobank app's inner features  
Update Cryptobank app UI design

## 2023 Q3

Expand partnerships  
Planning & Upgrade Cryptobank app features  
Recruit development team members

## 2023 Q4

Announce Cryptobank's goal and vision  
Add token utility