FISCO BCOS

- Featured Cases -

2018.09

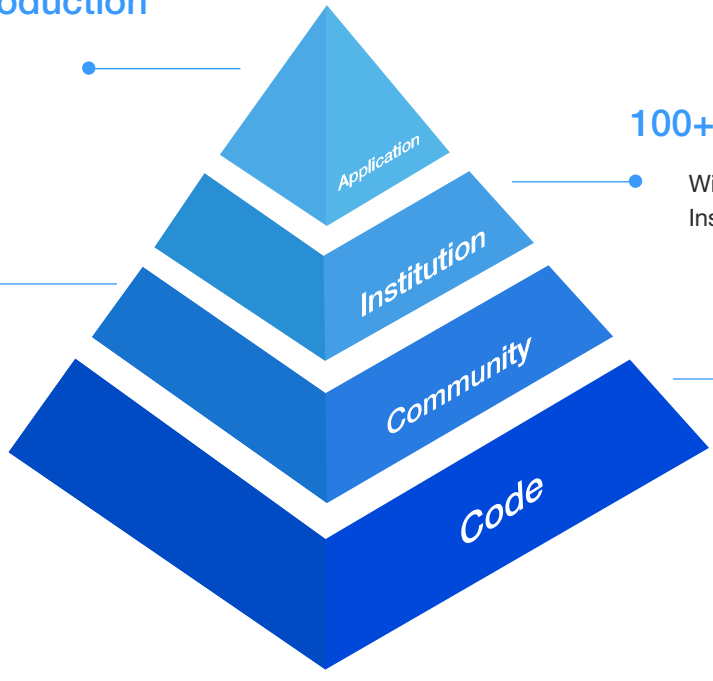
Open-Source Community

10+ applications in production

Finance, supply chain, trade, entertainment, copyright, …

1000+ active members

Developers, academic leaders



100+ participating institutions

Wide range of industries: Finance, Insurance, Technology, Logistics, …

Rich code base

Underlying platform, functional modules, samples, tools, test cases

Launched open-source blockchain platform in late 2017

Application domain

| Financial Industry

01

Reconciliation between institutions

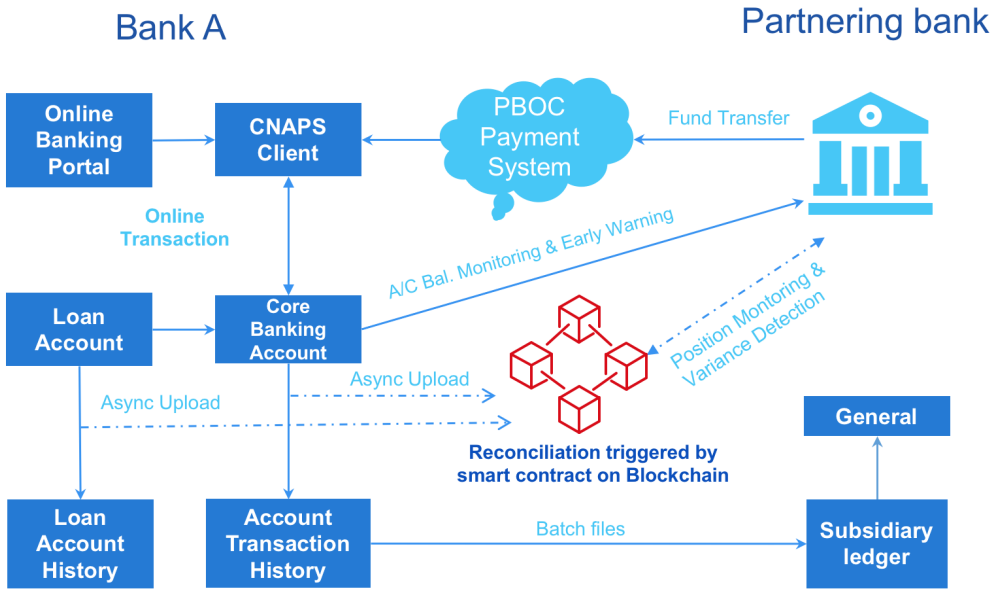
Reconciliation between institutions

Traditional VS **Blockchain**

- Daily reconciliation batch
- The process takes T+1 (or even T+2) to complete
- Risk of file being damaged or lost

- Complete verifying transaction in a second
- Ensure the record is consistent across systems

Solution



WeBank

Reconciliation platform

- In Aug 2016, WeBank launched the first financial application that is using blockchain technology in production
- Till now, 3 banks have already connected to the platform, accumulating 10M+ transac-tions, with zero system down-time

02

Supply chain finance

Supply chain finance

01

Help SMEs to do financing

Supply chain finance based on blockchain can help SMEs to realize credit evaluation and risk control mechanism, helping them to do financing

02

Reduce financing cost

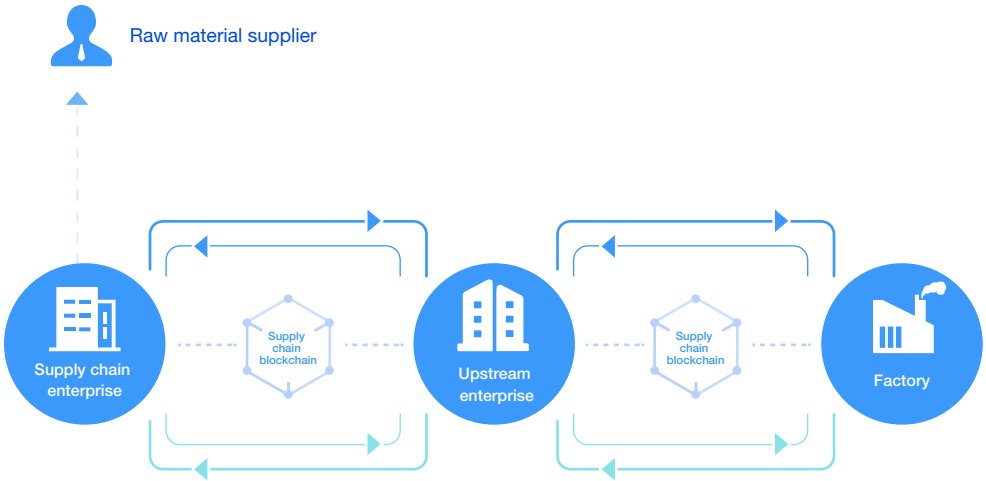
As different participants are using the same data source, it ensures the traceability of information, achieving transparency across the supply chain. It also reduces risk and related costs. At the same time, the processes for multi-party authentication and verification are greatly simplified, saving a lot of time and costs

03

Supports splitting of credit assets

Digitalizing assets and credits, supporting asset splitting to cover more scenarios. Realizing efficient transfer of assets online in the supply chain

Solution



四方精创
FORMS SYNTRON

Supply chain financial platform

- Forms Syntron designed a blockchain-based supply chain financial platform, realizing the efficient transfer of assets in supply chain and reshaping the ecosystem of supply chain
- By introducing the mechanism of accounts payable and endorsing the actual sales contract, the virtualization and digitization of assets and credit are completed

03

Tourism finance

Tourism finance

01

Cross-regional service and development

Blockchain technology will help banks and tourism industry to create a new business model of "tourism + finance“. Give full play to their respective advantages, break through geographical and resource constraints, and provide richer products and services.

02

Inter-institution resource sharing

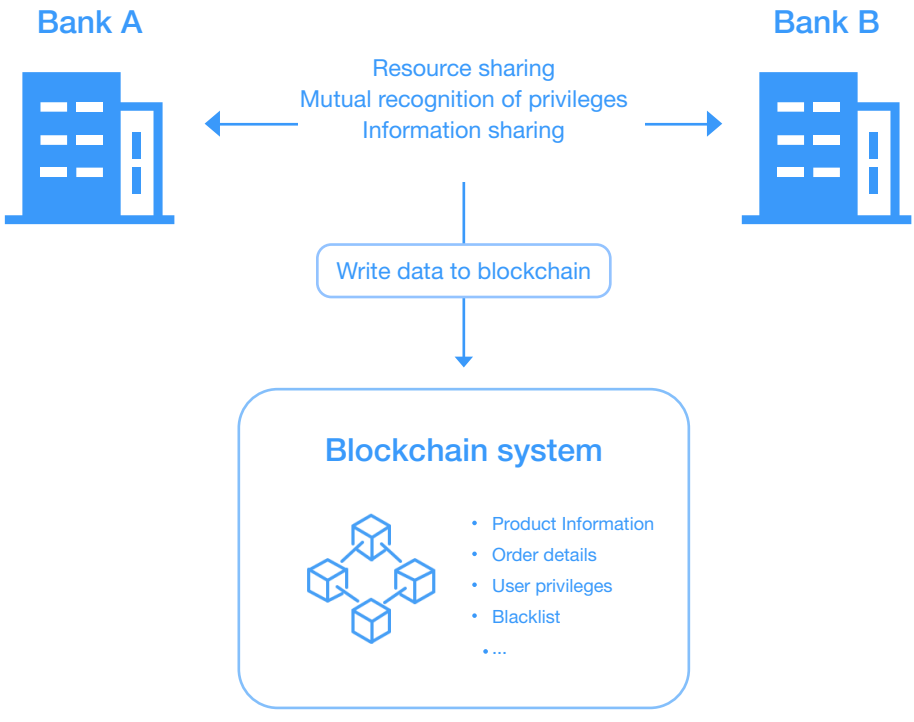
Product resources, flow resources, marketing activi-ties, credit information are shared among organizations to maximize benefits and reduce costs related to risk control

03

Reduce the cost of cooperation and mutual trust

By using blockchain, the transparency of information shared among participants can be realized, and the cost of trust can be reduced

Solution



TFCB
城商行旅游金融联盟
Tourism Finance Union
of City Commercial Banks

Platform for the Tourism Finance Union

- Based on FISCO BCOS, Shenzhen Youxun has built an open customer service platform for members of the Union, which was launched at the end of June 2018
- Members in the Union can share products, flows, credit information and financial resources, integrate tourism industry chain resources, and realize cross-regional cooperation in tourism finance

| Judicial services

Judicial services

01

Tamper-proof evidence escrow

On top of the traditional evidence escrow scheme, the immutability of the evidence is further strengthened by using blockchain

02

Traceable evidence verification

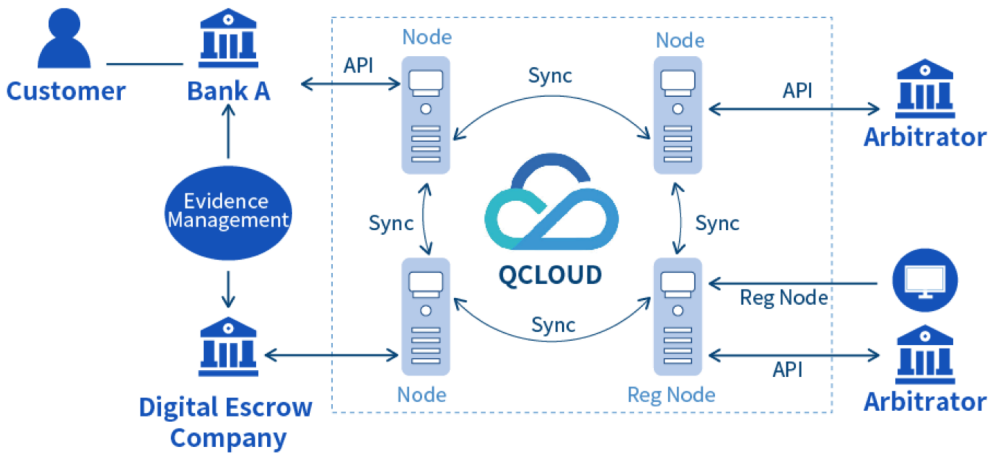
Providing a credible, traceable and provable technical guarantee for the subsequent verification of evidence, dispute resolution, and the service of adjudication

03

Increase efficiency and reduce costs

Helping arbitration institutions to complete the verification of evidence, resolve disputes, reduce human and time cost in the process of arbitration, improve the efficiency of the judiciary, and reduce the cost of arbitration

Solution



- **Robust tamper-proof mechanism:**
  The use of blockchain technology further strengthens the immutability of the evidence

- **Validity of the evidence recognized by institutions:**
  The judiciary, as a node on the blockchain, writes the data after reaching consensus, therefore confirming the validity of the data

- **Stable service:**
  After the data is chained by the consensus of many parties, even if some consensus parties exit, it will not cause data loss or invalidation.

Use cases

The arbitration blockchain

- In October 2017, the Guangzhou Arbitration Commission, WeBank, and Hangzhou Yibi Tech established the "arbitration blockchain" using the FISCO BCOS platform
- In February 2018, the Guangzhou Arbitration Commission issued the industry's first award based on the “arbitration blockchain”

Bajie Baoquan

- Bajie Baoquan is a platform for digital escrow based on FISCO BCOS. It stores the whole process of the initiator and behavior on the blockchain
- At present, the Bajie Baoquan’s business has covered the fields of e-contracts, digital copyrights, and so on

Digital due-bill platform

- Based on FISCO BCOS, Credit Force stores users' online loan vouchers on the blockchain, links the loan relationship in real time, ensures that the loan information can not be tampered with and be traceable. At the same time, realizing financial supervision

| Copyright

Copyright depository and trading

01

Reducing the cost for proofing infringement

By using blockchain technology, the copyright certificate is transparent, credible, verifiable and untampered, which can guarantee the copyright of the content quickly and efficiently

02

Facilitate trading copyrights

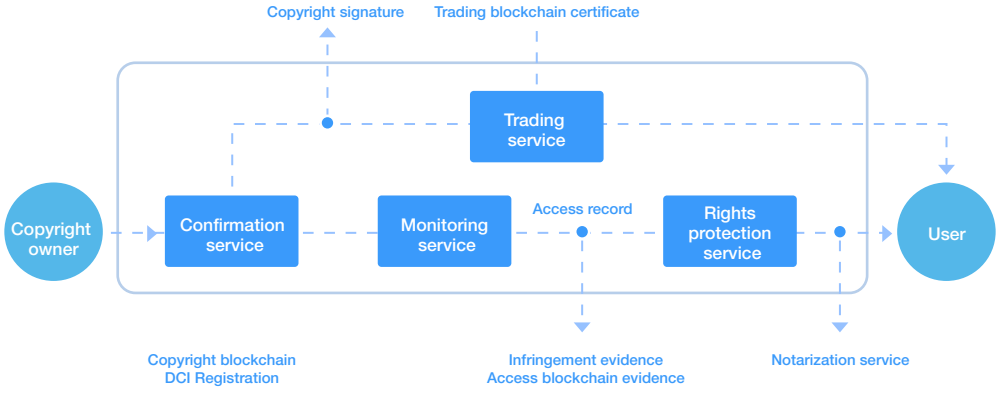
The authenticity of copyright validation, the accuracy of licensing rules, the transparency of copyright pricing, and payment guarantees are guaranteed among creators, distribution platforms, and consumers

03

Protecting the rights for quality contents

Helping high quality work capture income, income from redistributions may also captured by the originator

Solution



安妮股份

Copyright depository trading platform

- Production stage: Access the content client, record the authoring process in real time on the blockchain and record the copyright
- Work circulation stage: With the help of publishing + reading terminal + multiple nodes, the author performs trading of work on the blockchain. All feedbacks such as user likes, comments and reposts are recorded as community contributions
- Copyright monitoring phase: As a technical assistance, such as big data and AI, blockchain provides copyright evidence in piracy monitoring

Thanks