

Opportunities and Challenges of Blockchain Development

**Software R&D Center
Blockchain Tech. Lab**

Hyojin Jeong

How Blockchain Could Disrupt the Telecommunication Industry



Blockchain Networks is building on the Telecommunication Infrastructure

Challenges

Control the end-to-end value chain

- Data Connectivity
- Network Infrastructure
- Related consumer services

BUT

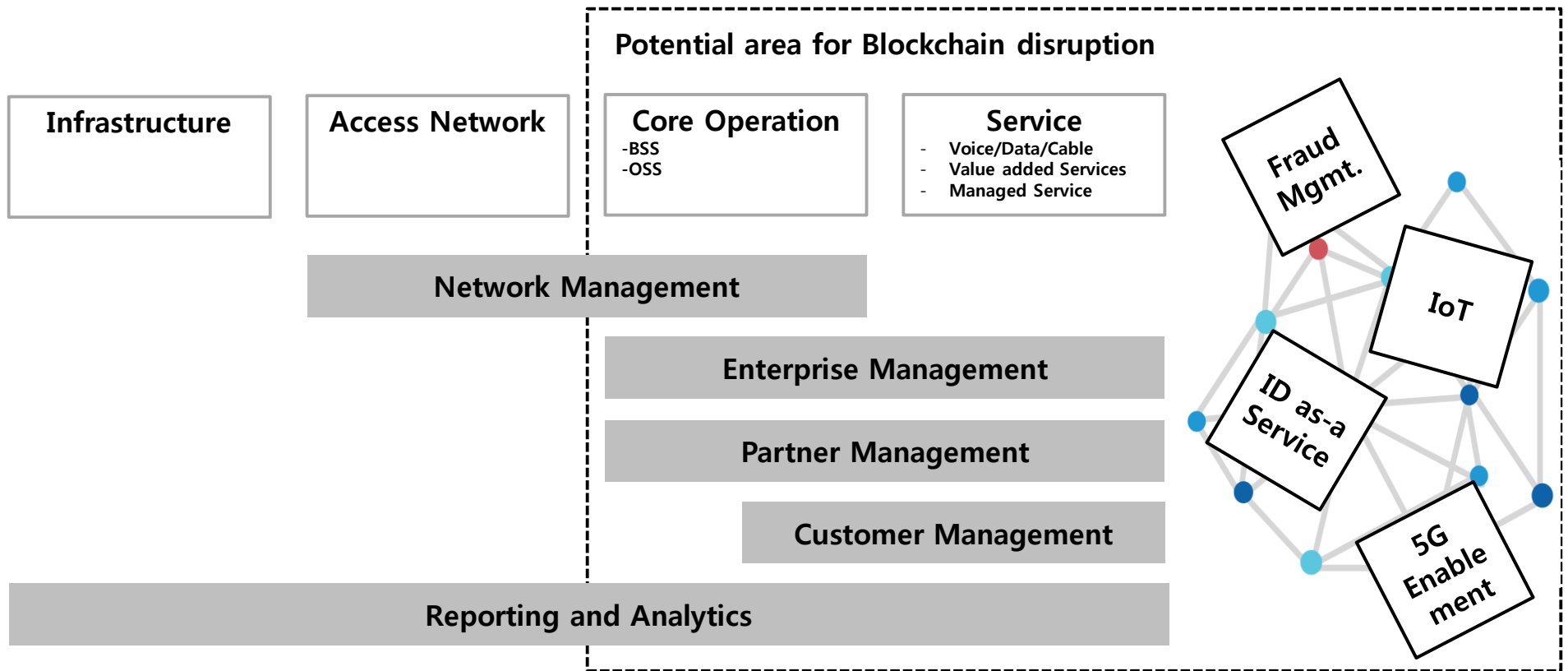
Need to find additional sources of revenue and reduce cost

Opportunities

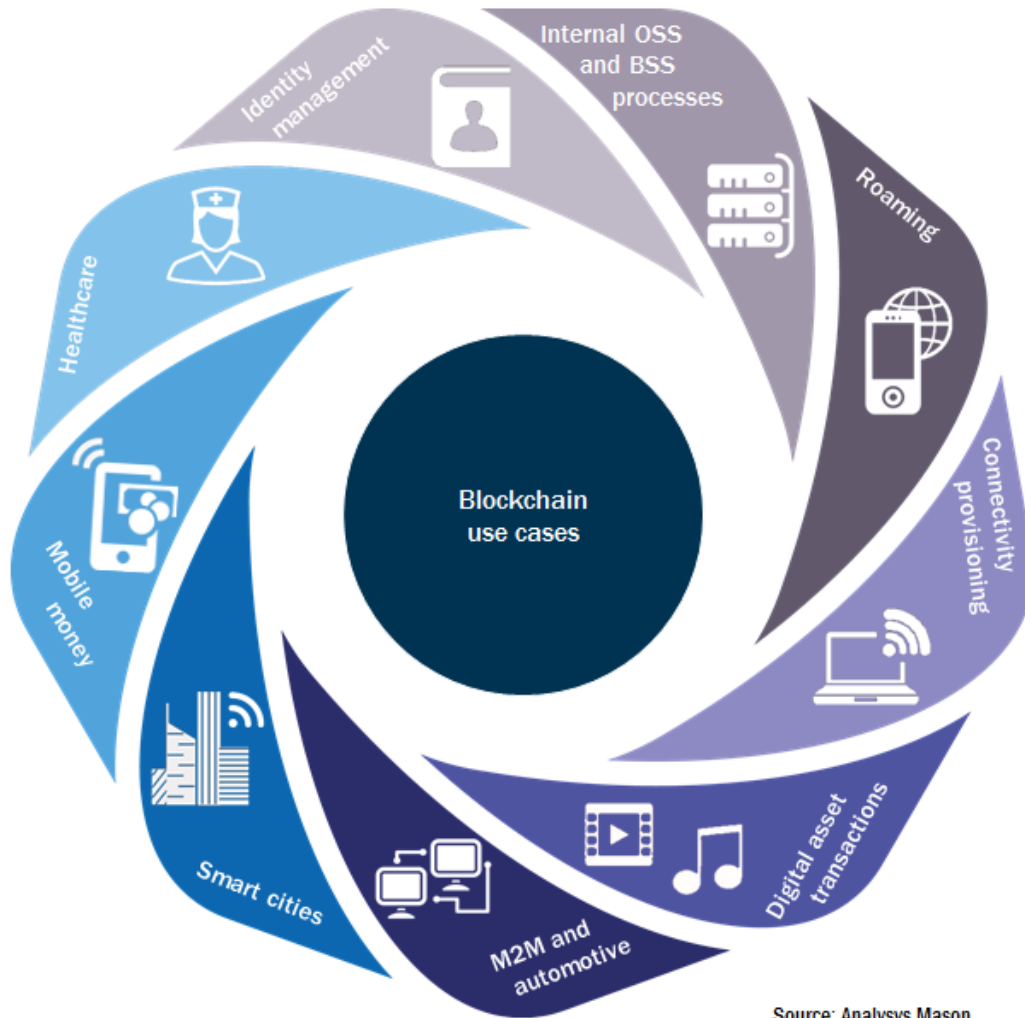
Blockchain can impact the core management system of CSPs(Communication Service Providers) by creating an environment where cost can be reduced, and the revenue can be increased with higher efficiency

Blockchain Network on the Telecommunication Infrastructure

Blockchain will provide a opportunities in a fields of Fraud Management, Identity-as-a-Service, 5G Enablement and IoT connectivity biz area



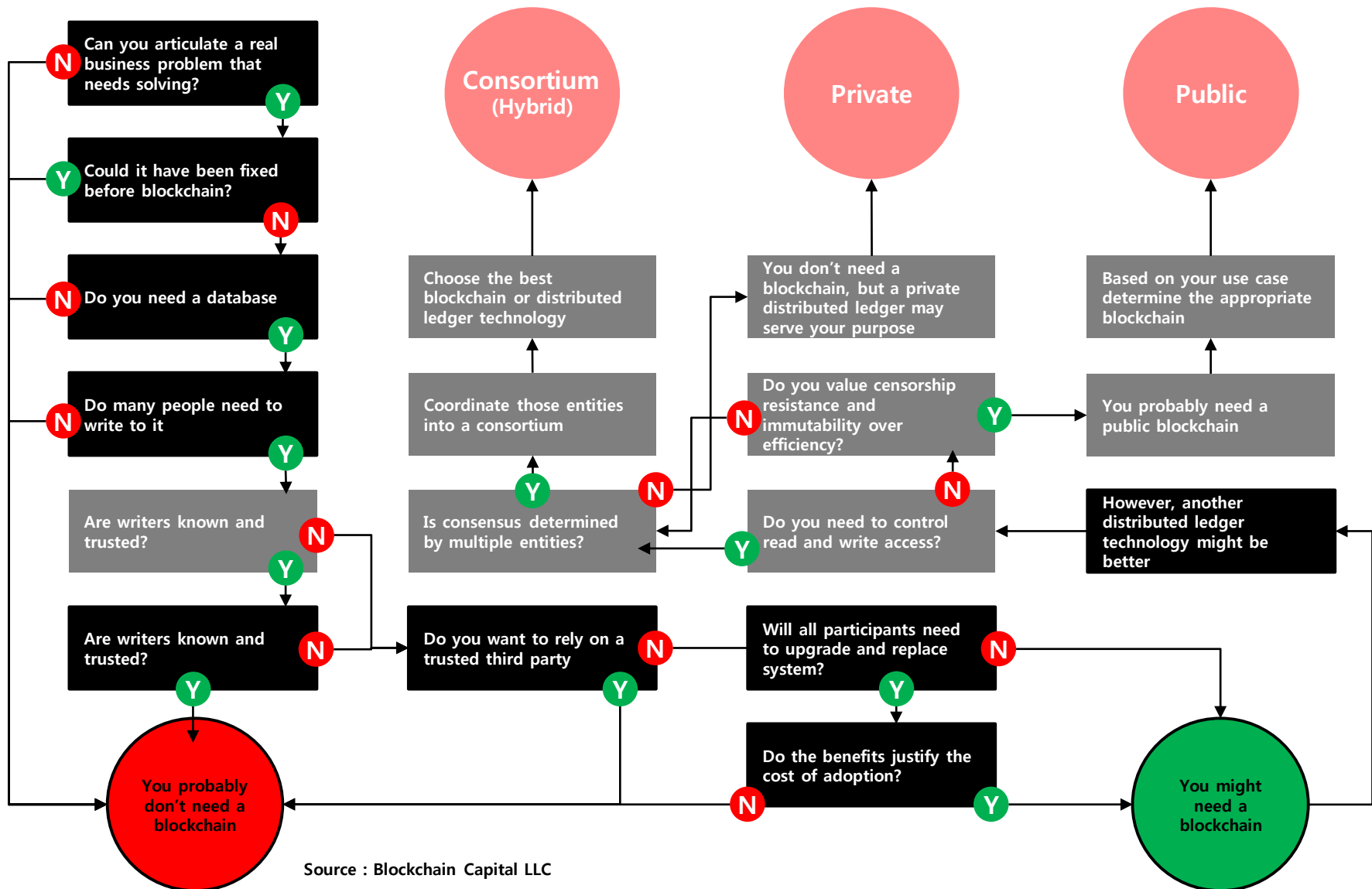
Blockchain Opportunity for Telecommunication Industry



Source: Analysys Mason

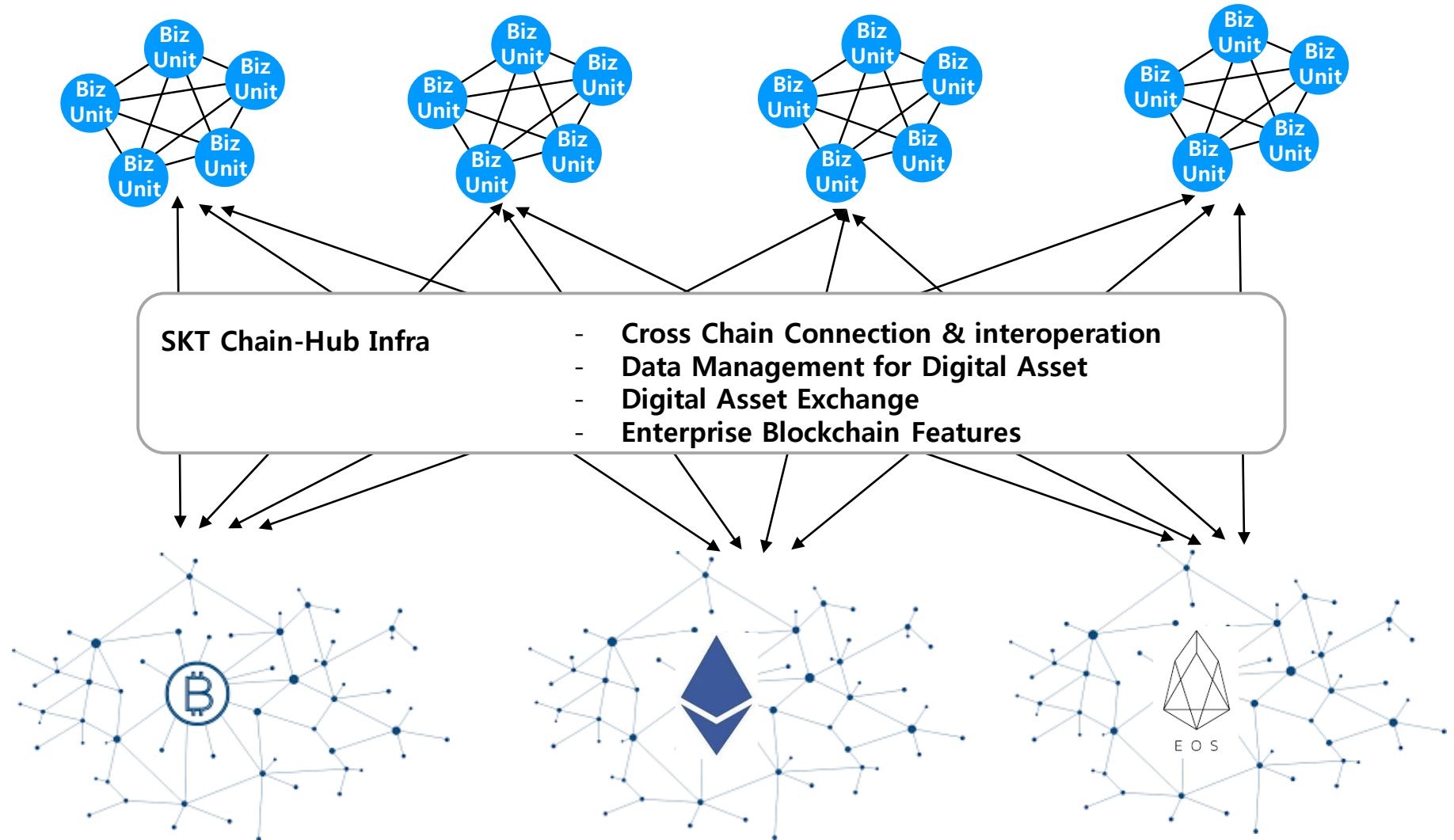
- Decentralized and distributed ledger
- Trustless operability
- Immutable, auditable and Irreversible nature of records
- No or diminished role for third-party intermediaries
- Cryptographically secure
- Chronological and timestamped

Which kinds of Blockchain Network do we need

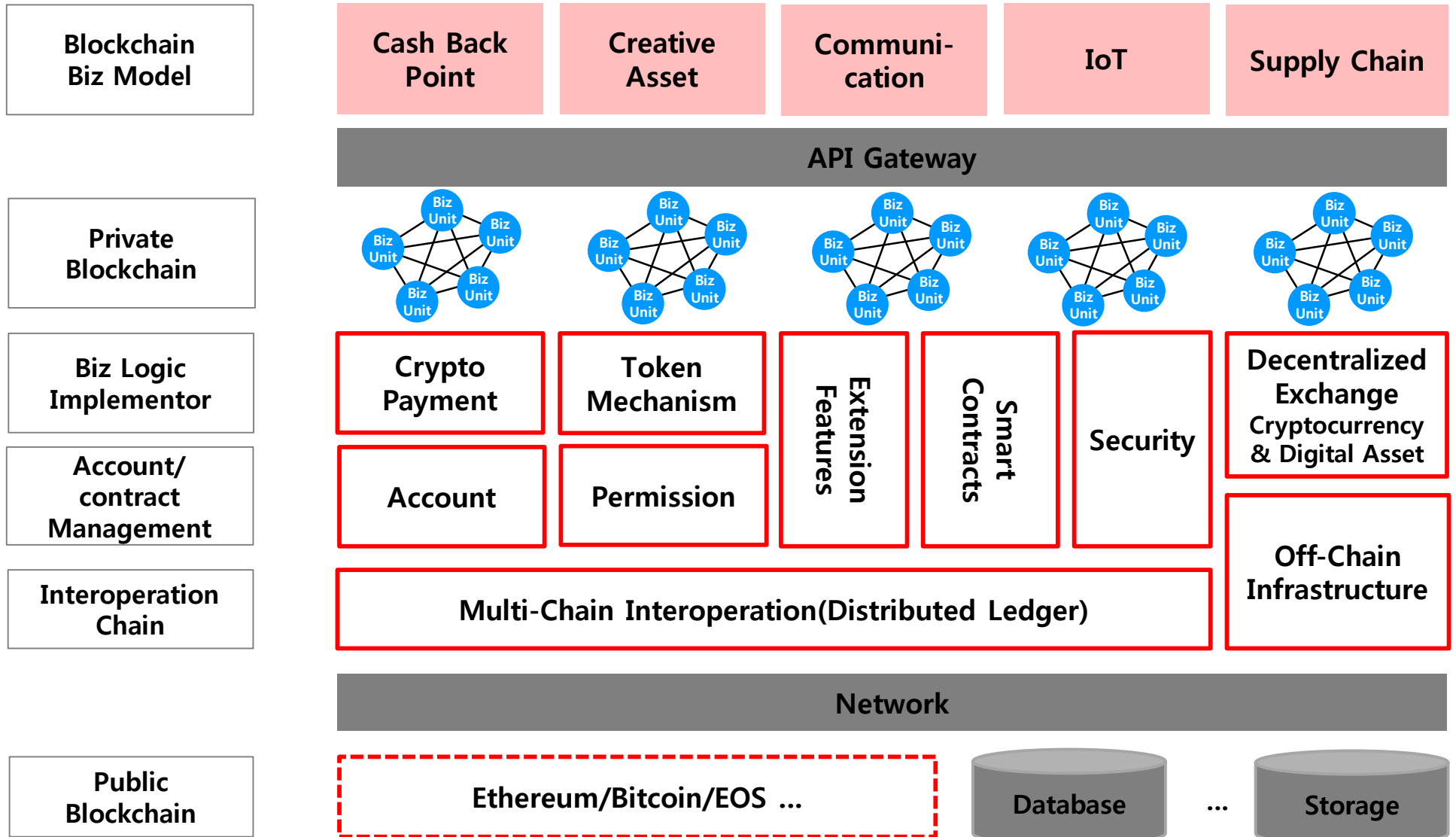


Source : Blockchain Capital LLC

Blockchain Technology with Existing Industry

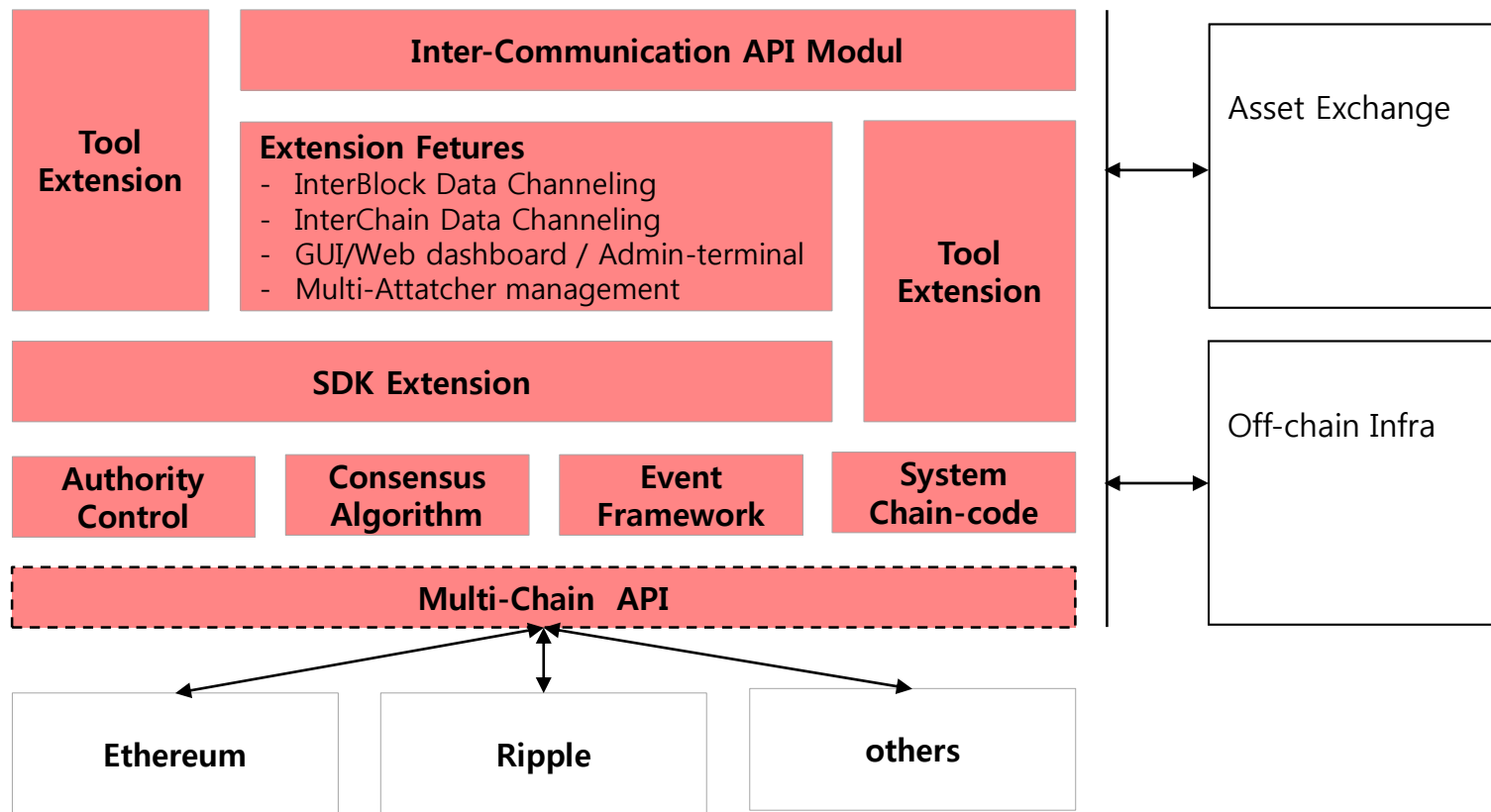


SKT Chain-Hub Platform to Connect Peer and Business



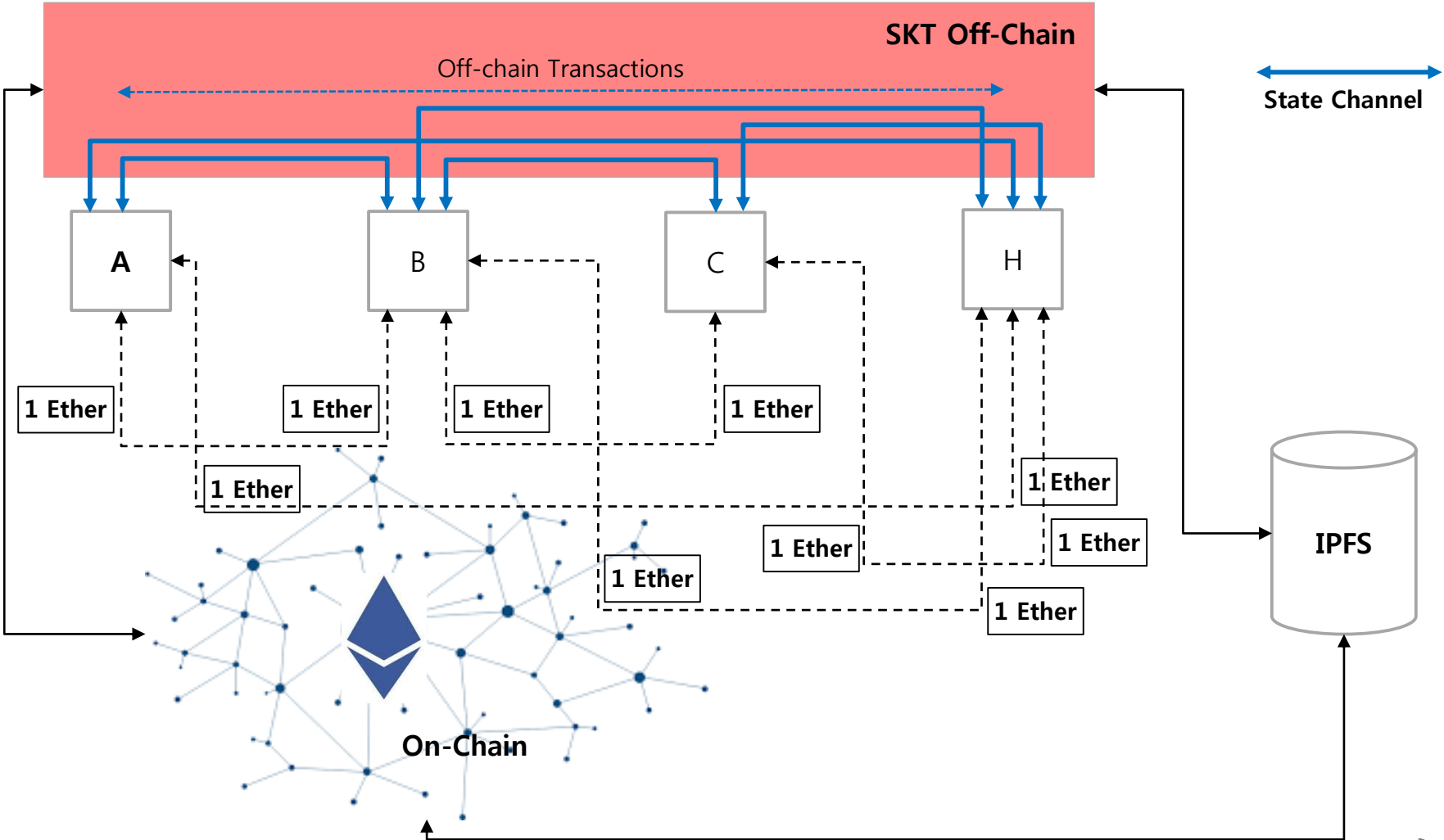
Distributed Trust collaboration for Multi-Chain

SKT Multi-Chain Platform supports public/private blockchain systems and is able to connect applications which is running on the different blockchain networks



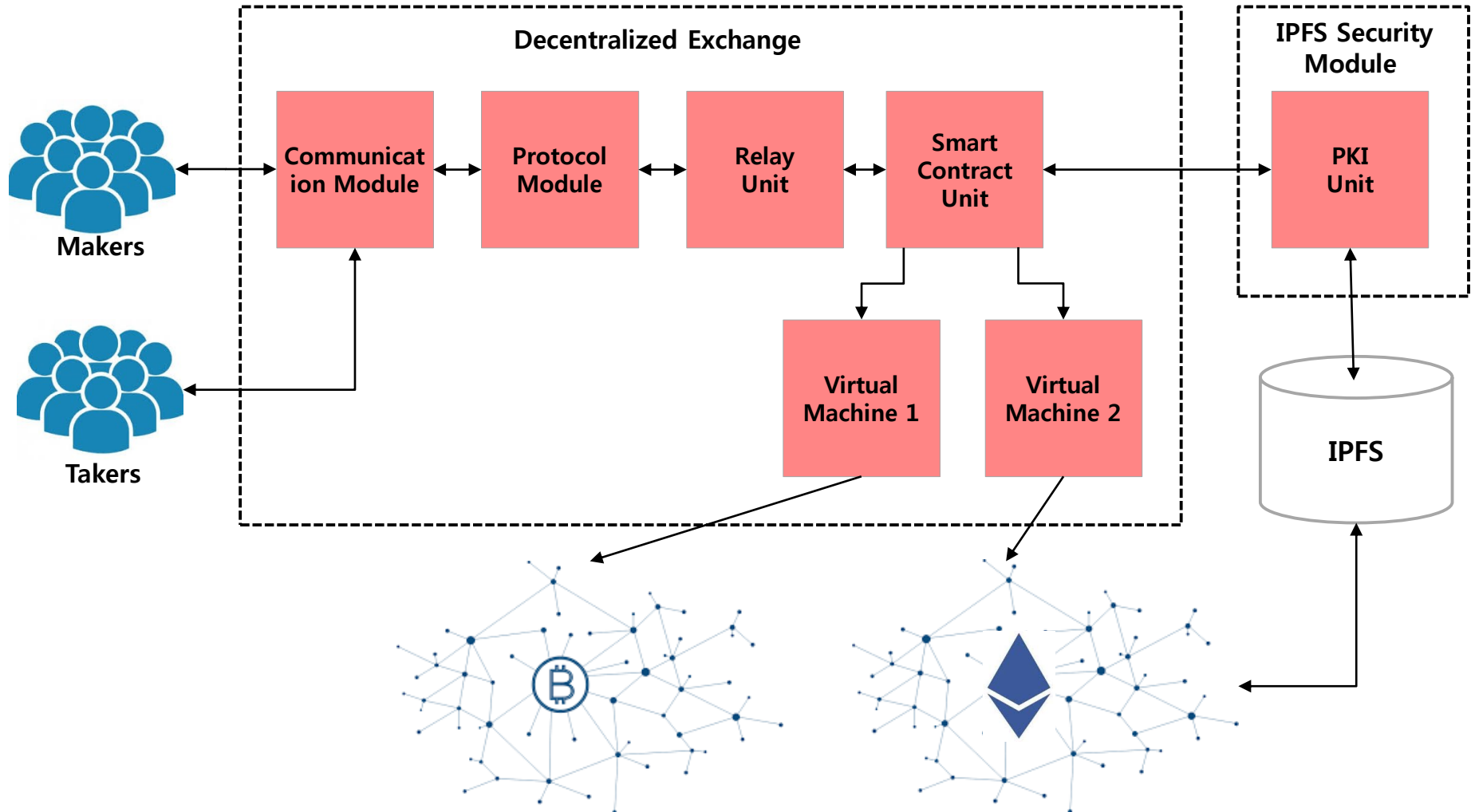
Off Chain Infrastructure

Off-chain N-party payment channels have been proposed as a solution to scaling both costs and speed

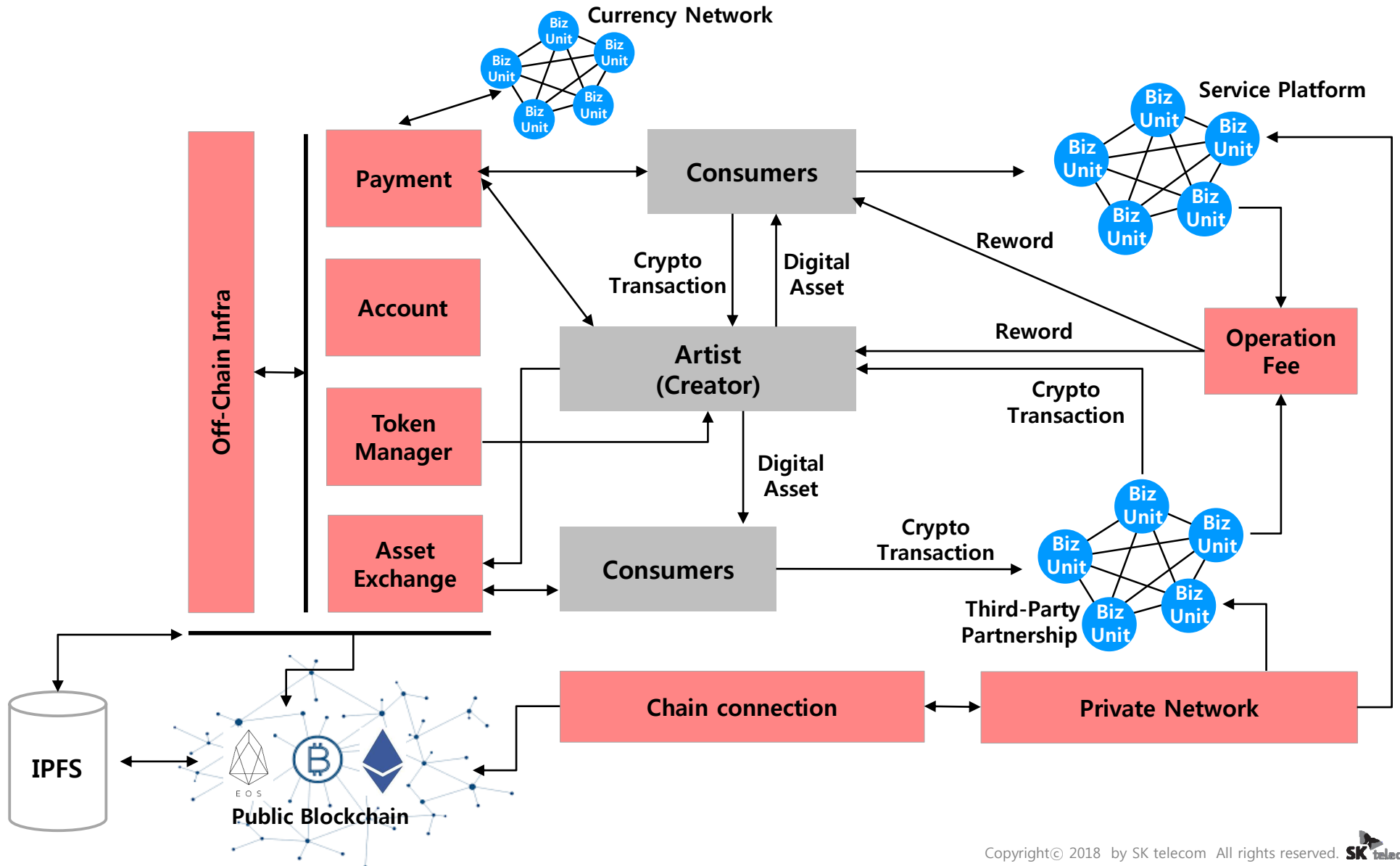


Decentralized Asset Exchange

In the currency/data exchange system all digital asset (with consent of the owner) can be discovered and traded while meeting individual privacy requirements.

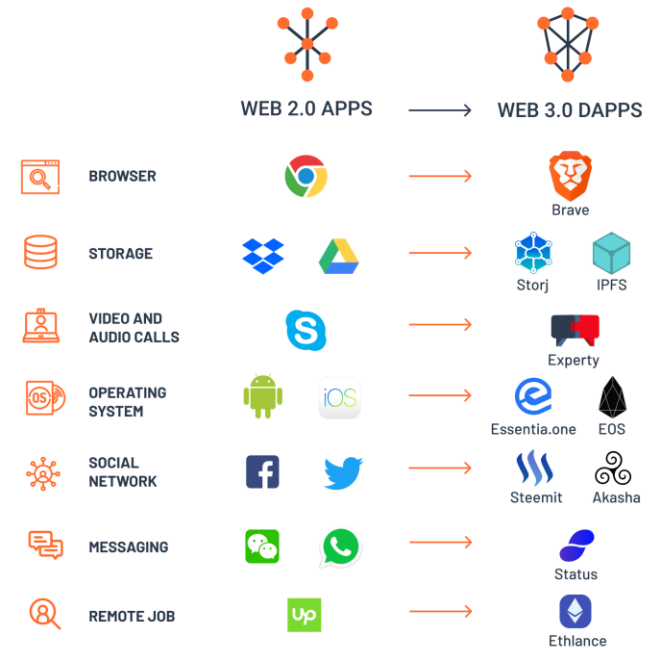
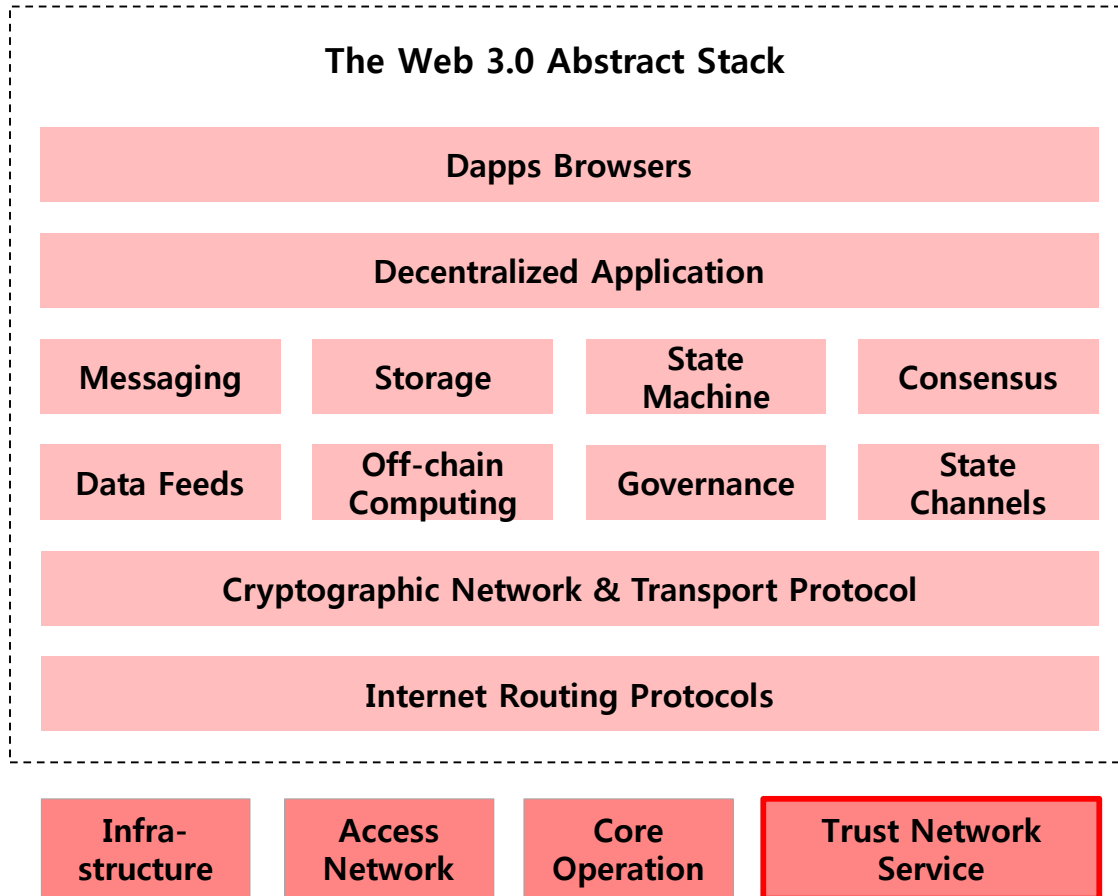


Application Scenario with Creative Asset on the Blockchain Network



How we support Web 3.0 on the Blockchain Network

SKT builds the infrastructure for Web 3.0 trust network which is cross-chain, cross-system, cross-industry, cross-application, and cross-device.



Q&A