

TELECHAIN BROKER

Join the community and get access to new revenue streams

TeleChain (Telecom Blockchain) Broker, a joint solution by Nexign and Bubbletone, is a blockchain-based marketplace for digital service providers (DSPs) with a BSS connectivity kit that provides the opportunity to create new roaming products and complex bundles, including digital non-telco services.

How it works

Participants interact with each other by publishing requests and offers on the marketplace. An ecosystem is being built around the marketplace and includes interested and motivated community members.



Community Self-Government

The users form a private community governed by a committee whose members are elected by all the participants. Voting takes place through special transactions on the blockchain network which are visible to all community members.



Infrastructure Operator

As the infrastructure operator, TeleChain Broker is responsible for operations on the blockchain network, including resolving information security issues, providing local technical solutions for smooth operation of the network, and carrying out accurate calculations for infrastructure services.



Settlements

To regulate all interactions and conduct mutual settlements within the community, each new participant signs a service contract with the infrastructure operator and develops their business with existing partners.

Why TeleChain Broker?

- The first solution in the telecom industry based on blockchain technology
- New revenue streams from telco & digital services
- Quick launch without any additional investment or complex network integration
- Monetisation of any telco network on a global scale

A promising business opportunity

The cost savings and efficiencies that could be realized by incorporating blockchain into corporate business strategies, is projected to increase to **\$2.0 trillion** in 2030

(*Global Blockchain Business Value to Reach \$2 Trillion by 2030* press release by IHS Markit)

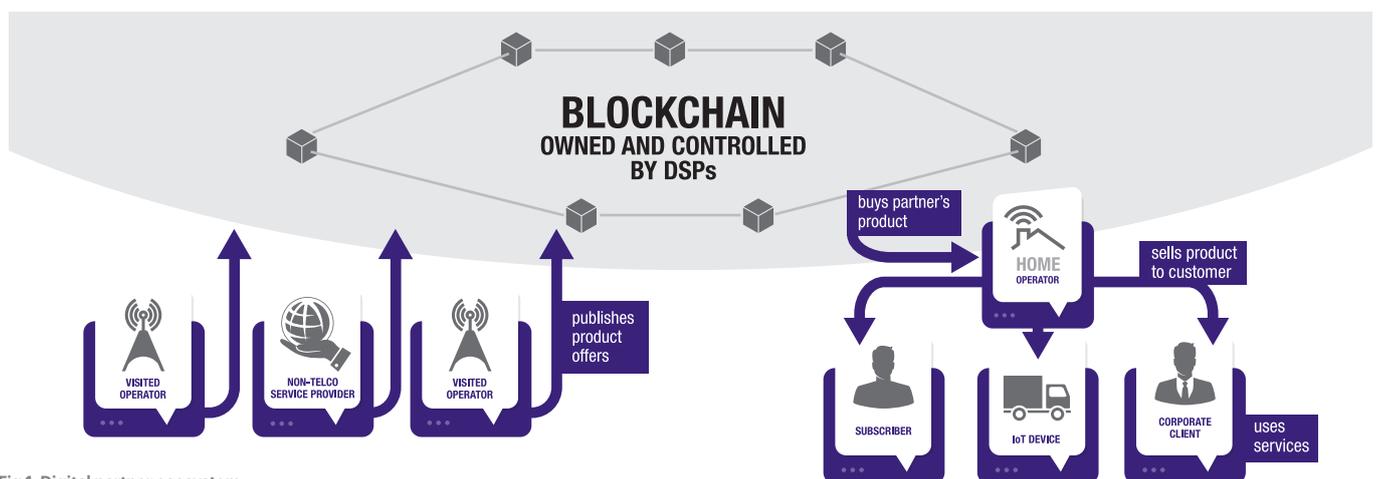


Fig 1. Digital partner ecosystem

Business Benefits

- New revenue streams thanks to creation of a partner ecosystem
- Improved customer retention by offering services currently in demand
- Expansion of business presence in the global digital services market
- Change of role for DSPs, from roaming agent to service owner

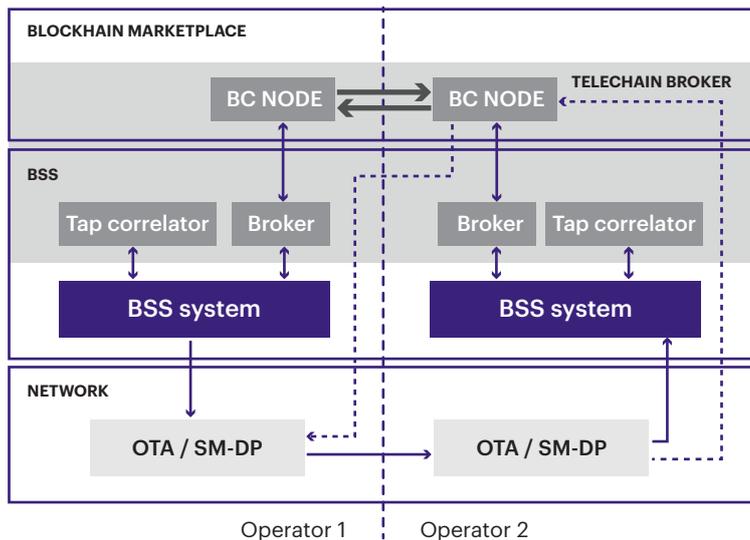


Fig 2. TeleChain Broker architecture

Figure legend

- BC NODE – blockchain node implements secure interactions
- Broker – integration layer with existing BSS systems
- BSS – billing system
- OTA – existing “over-the-air” platform
- SM-DP – subscription manager data preparation
- TAP correlator – control and validation roaming information

About Nexign

Nexign is a leading Business Support System (BSS) and Internet of Things (IoT) platform provider that has been delivering pragmatic, value-driven solutions focused on customers’ total cost of ownership since 1992. As communications service providers become digital service providers, Nexign accelerates their transformation through engineering excellence and agile products and services that facilitate revenue-stream diversification. Headquartered in St. Petersburg, Russia, Nexign employs 1,800 people worldwide. The company has delivered more than 120 projects across 14 countries and had revenue of \$200 million in 2018.

About Bubbletone

Bubbletone is the first decentralised global telecom platform that allows mobile network operators and service providers to interact securely and directly, without any complex integrations or intermediaries. The platform provides participants with local prices worldwide, new sales channels and value-added services. Bubbletone is a member of the International Telecommunication Union (ITU) and SAMENA Telecommunications Council.

Business Use Cases

Marketplace for digital products

TeleChain Broker provides a single platform for your own services and your partners’ offers, giving local operators the opportunity to implement new business models and form new partnerships without cannibalisation.

The embedded vertical solution:

- Personal roaming
- IoT roaming
- B2B offering
- eSIM profiles

Clearing house support

Perform mutual settlements with roaming and connect partners directly. Verification and validation of accounts are provided.

- Any settlement issues become visible only after the bill is received
- Blockchain helps to mitigate settlement risks before a billing period ends
- Check partial transactions via the blockchain network

