

# WHAT IS ADEX

Allbit Decentralized exchange is a next-generation cryptocurrency exchange that allows user to exchange and trade with their wallets and wallets at coin trading, leveraging their own side-chain, smart contract, and decentralized heterogeneous chain communication technologies. This has the advantage of reducing risk factors such as server down, exchange fraud and hacking that most centralized exchanges have.

## Allbit DEX(Decentralized Exchange) system

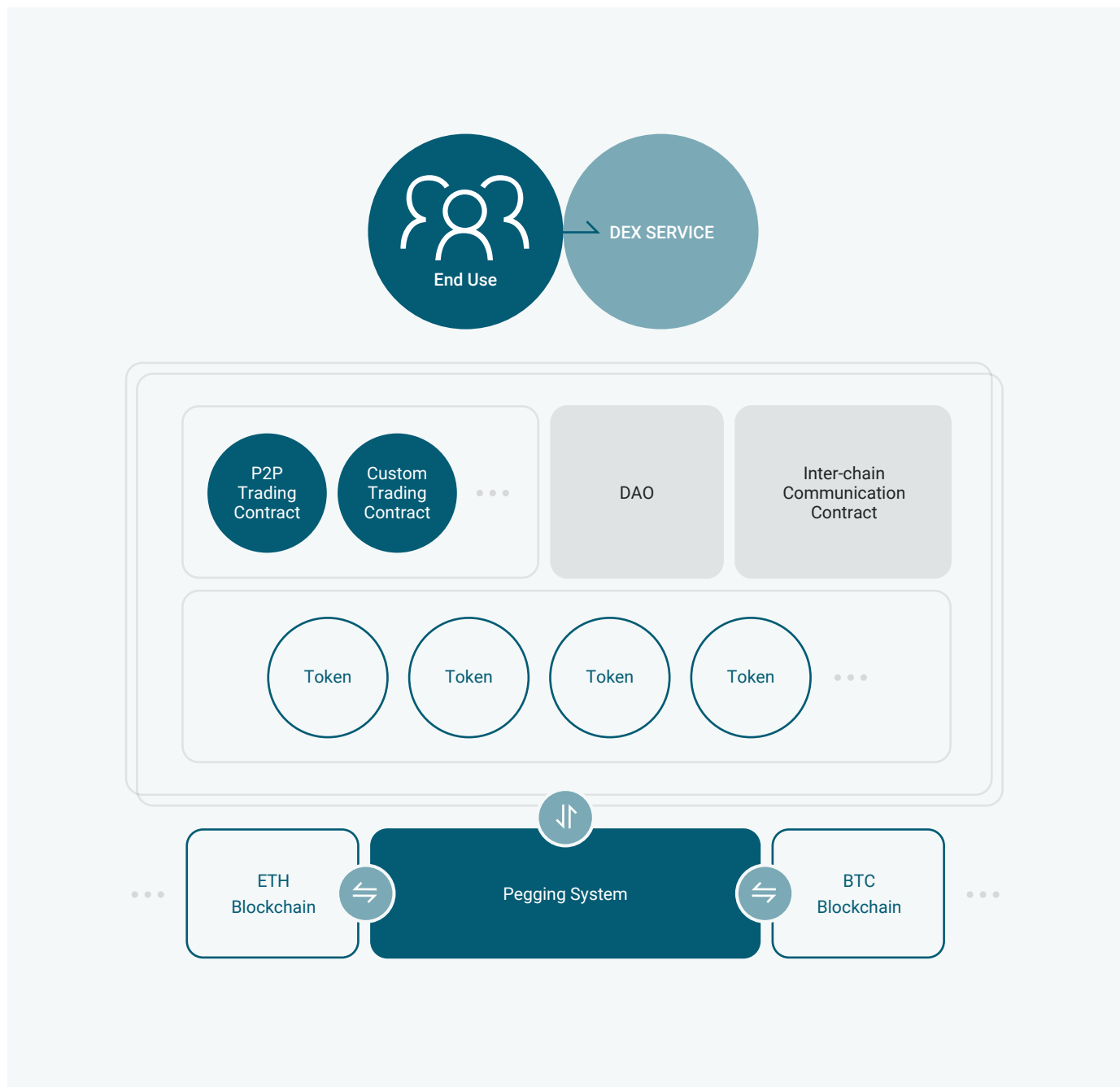


Figure 1. Allbit decentralized network system

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Using decentralized chain communication technology, all existing cryptocurrency transaction such as BTC, ETH, and ERC 20 are possible, and the time from the beginning of the transaction to the completion of the decentralized exchange, the gas fee and transaction fee of the decentralized exchange. Through this, Allbit provides faster transactions, secure asset management and decentralized trading services than the centralized exchange.

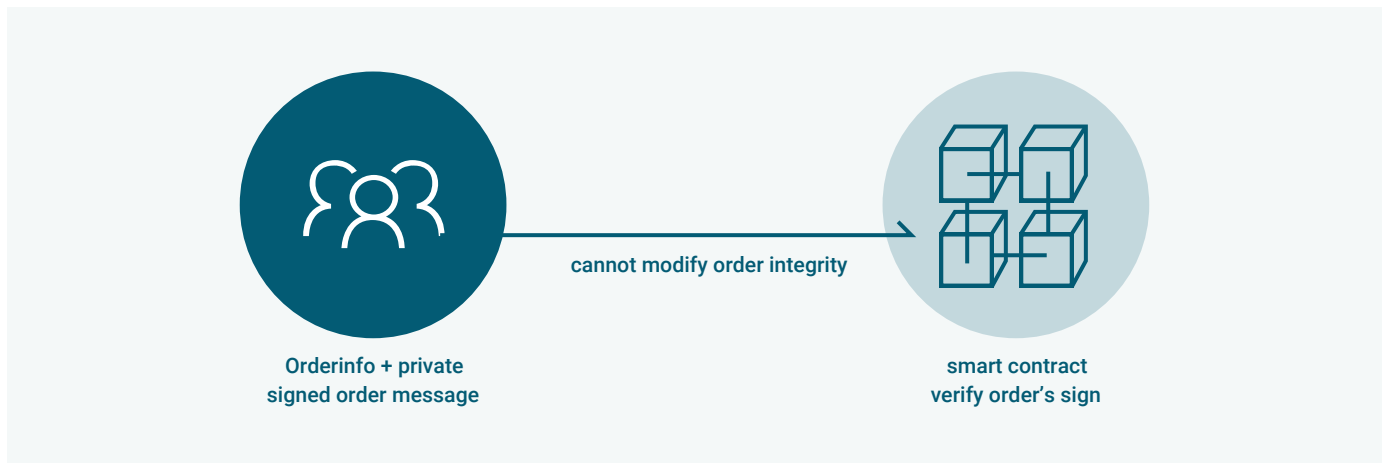


Figure 2. Signed based order / trade process

Allbit DEX systems are implemented based on blockchain smart contracts. Smart contracts enable secure exchange of assets within a block chain in a P2P manner and enable trading parties to trade through agreements on the blockchain without the involvement of third parties or the entrustment of assets from the start to the end of the transaction it works. All transactions in Allbit are based on the direct signature of the users, which prevents anyone other than the trading partner from manipulating or hacking. Allbit Sidechain can solve the gas fee of the blockchain network required to generate asset transactions in the blockchain and the long block create time, and the Allbit Sidechain is a block chain based on the Balance-state model. Allbit sidechains ensure complete and secure transactions based on Smart contracts. All transactions take place On-chain. By operating an independent blockchain, we have achieved real-time trading through high TPS and low block time compared to existing blockchain.

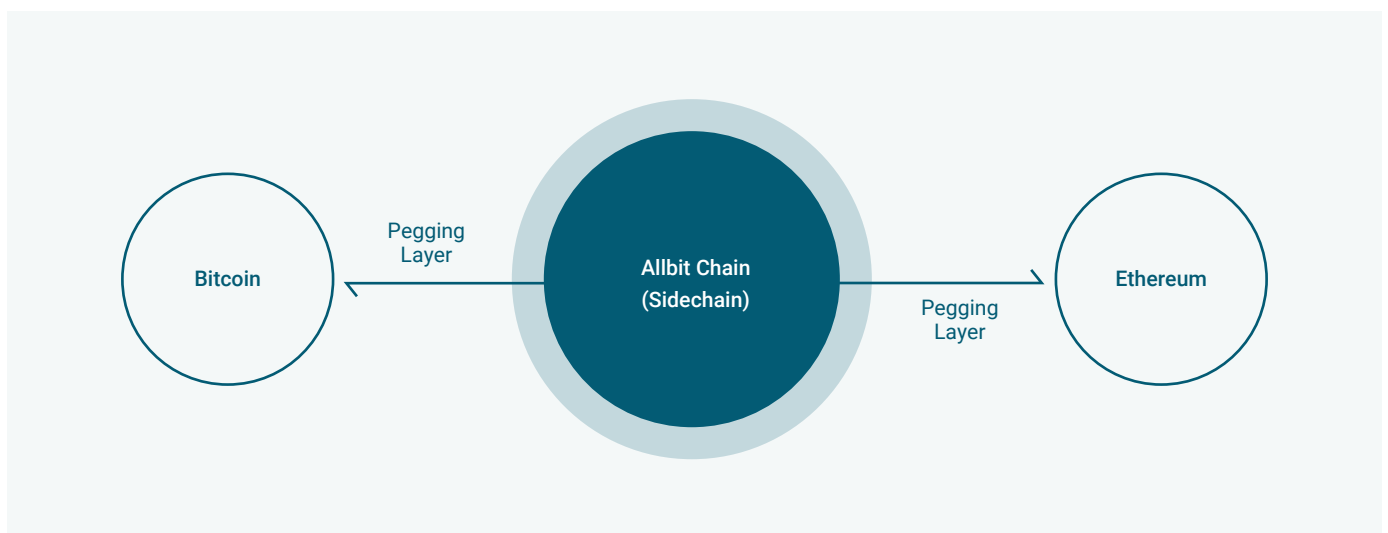


Figure 3. Allbit sidechain and pegging layer

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Through Decentralized Interchain Communication, Allbit has overcome the limitations of previous decentralized exchanges that can only support limited cryptocurrency transactions and is able to support transactions in all cryptocurrency such as BTC, ETH, and ERC20. 2-way pegging between chains is supported by the PoA Shared Validation

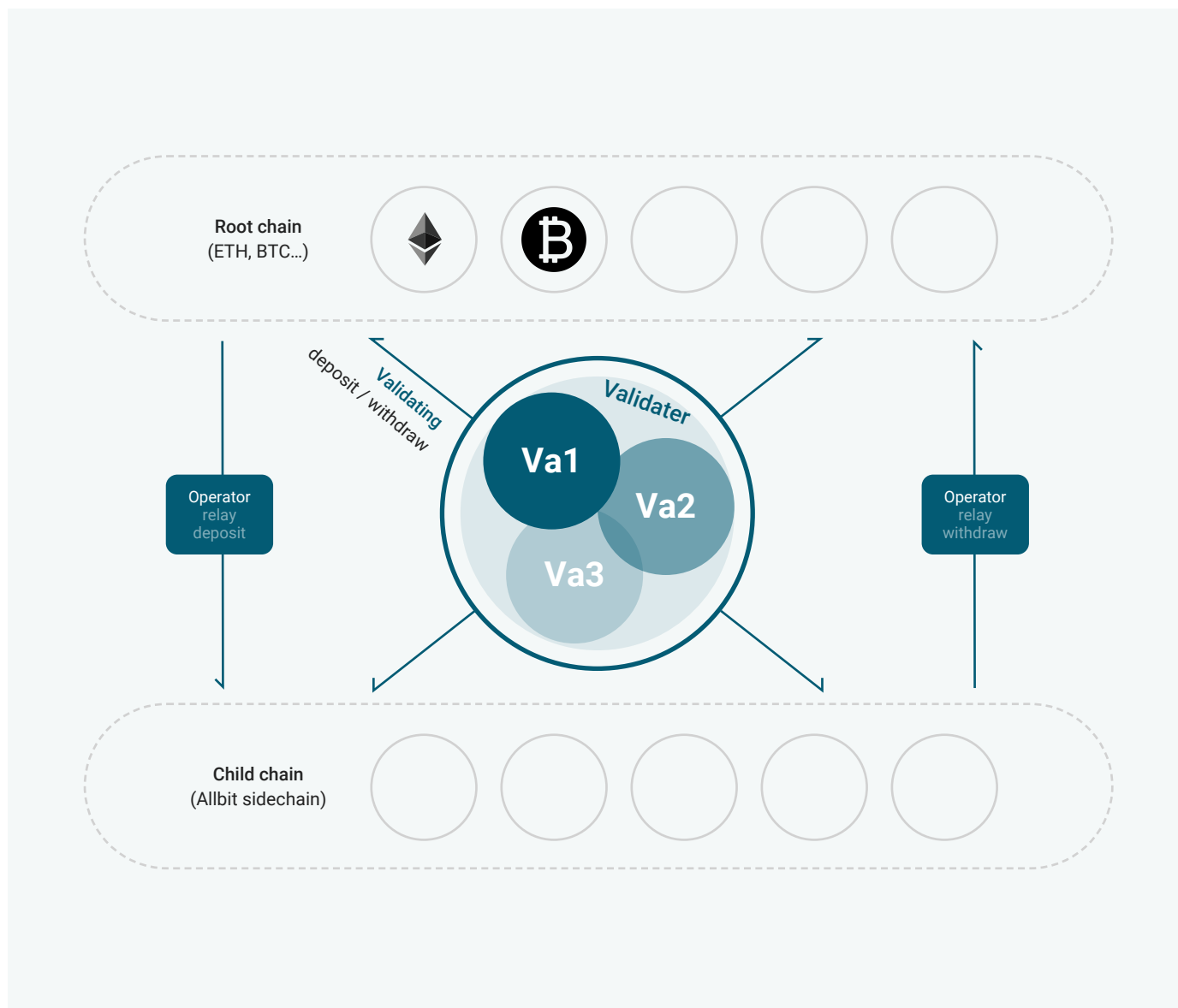


Figure 4. PoA Shared Validation System

Allbit DEX system, unlike the existing decentralized exchange, is a Fully Decentralized Exchange and will become a next-generation cryptocurrency exchange system that realizes the benefits of decentralization and the advantage of centralized exchange through a transaction-specific blockchain.