



MultiChain is a distributed database for multi-asset financial transactions, which uses an enhanced version of bitcoin's blockchain technology within a private peer-to-peer network.

Target Users

Banks, financial institutions and service providers who are exploring or experimenting with blockchain technology. As an off-the-shelf but highly configurable platform, MultiChain can accelerate this research compared to bespoke development. It supports Windows and Linux servers and provides a rich JSON-RPC API for easy integration with existing systems.

Why Blockchains?

Blockchains enable a group of entities to share a unified ledger and transact with each other rapidly and safely without a central authority. Each entity controls its funds via a private key and independently verifies all transactions. Blockchains have no single point of failure, so entities can appear, disappear or malfunction without affecting the group as a whole.

Why MultiChain?

MultiChain enhances standard blockchains in several ways:

- Native multicurrency support. Any number of assets can be created and transacted within a single network. All asset quantities are verified at the network level, enabling safe atomic two- or multi-way exchanges of assets between participants.
- Permission management. One or several administrators control exactly who can connect to the network, create new assets, and send, receive or confirm ("mine") transactions. Permissions are updated and enforced via the blockchain.
- Rapid deployment. Two simple steps to create a new network, or three to add a new node to an existing network. No need for manual configuration management.
- Multi-network. Connect to multiple networks simultaneously on a single server.
- Per-network custom parameters. Optional control over permitted transaction types, confirmation times, minimum quantities, transaction rate and size limits.

Finance Applications

- Trading and settlement.
 - ✓ Peer-to-peer clearing, rapid settlement, no trading breaks.
- Payments and messaging.
 - ✓ Rapid settlement, message encryption and notary services.
- Regulatory transparency.

About Coin Sciences Ltd

Coin Sciences Ltd is a UK company developing a suite of blockchain technologies and services for public and private cryptocurrency networks. It is backed by leading private investors from Israel and the UK.

The company was founded by Dr Gideon Greenspan, Dr Michael Rozantsev and Simon Liu. More about the team: <http://www.multichain.com/team/>

For more information, please contact us via: <http://www.multichain.com/contact-us/>