# Building a bitcoin based financial system

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# Key points

1 **Ledger basics**

2 **Delivery versus Payment**

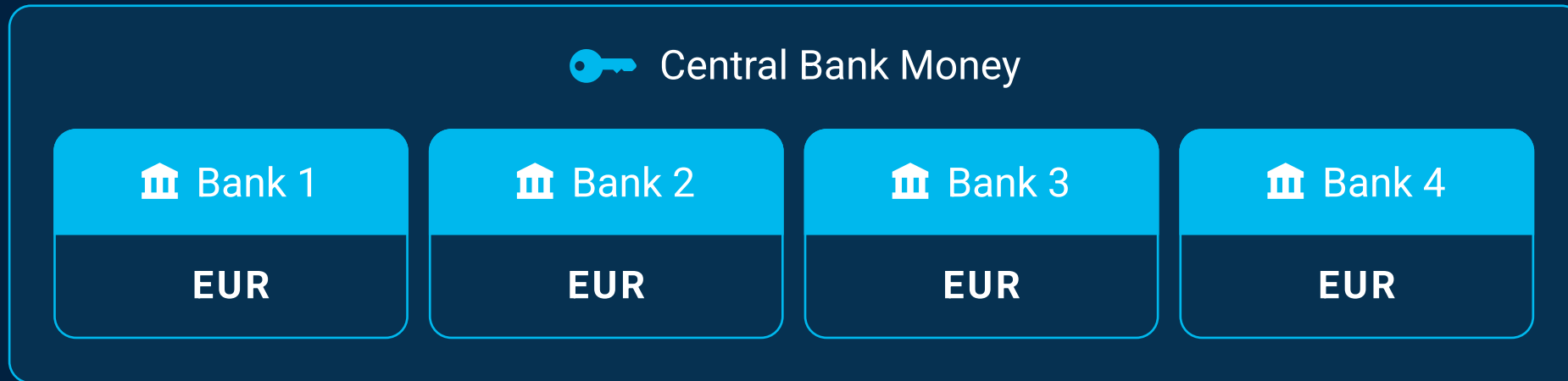3 **A bitcoin based financial system**

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# What is a financial institution?



Central Account Operator

| Account 1 | Account 2 | Account 3 | Account 4 | Account 5 |
| --- | --- | --- | --- | --- |
| Client A | Client A | Client A | Client A | Client A |

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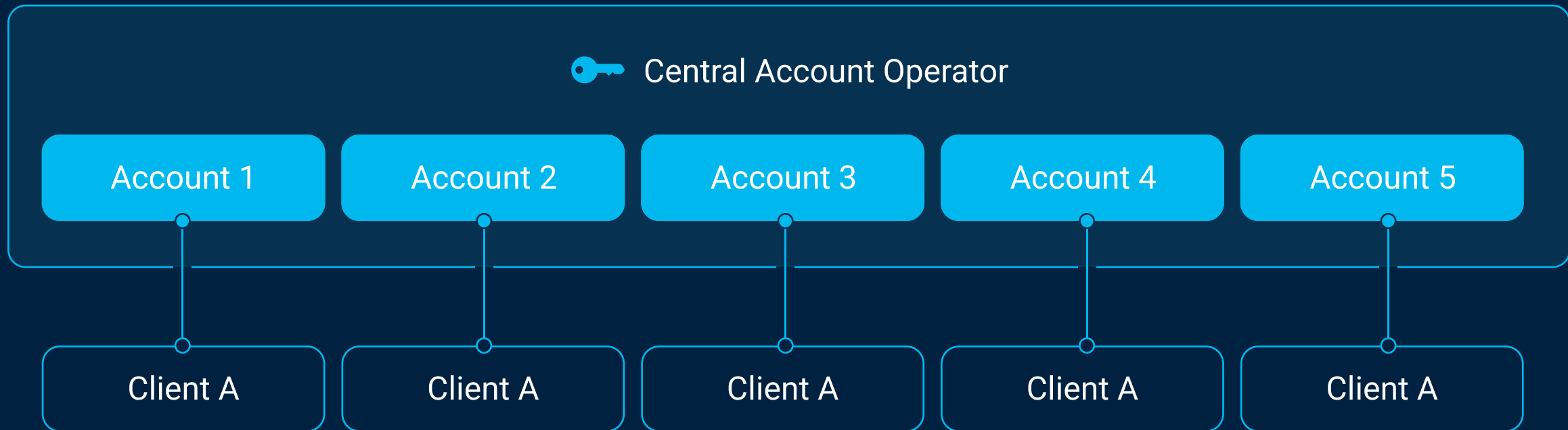
# What is a Financial system?

Financial system

Exchanges

Central banks

Brokers

Clearing houses

Banks

Insurance companies

Lenders

Securities depositories

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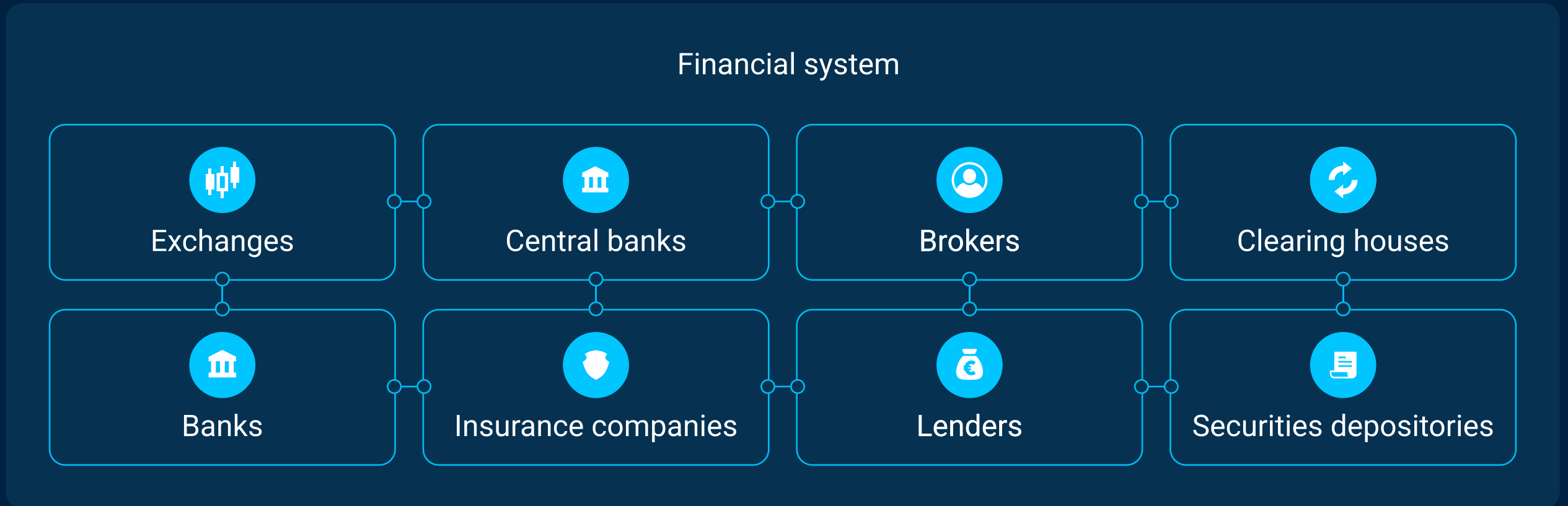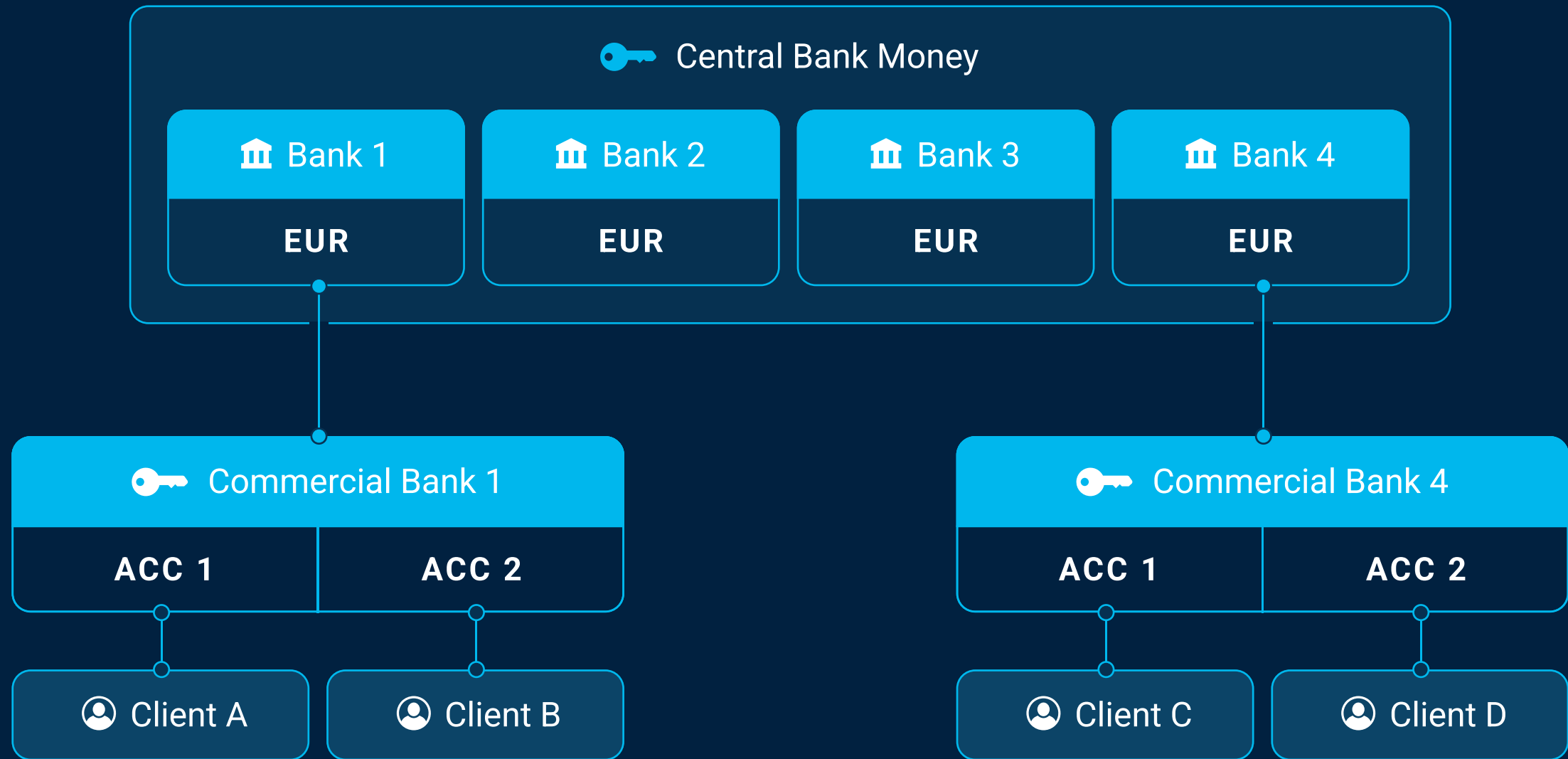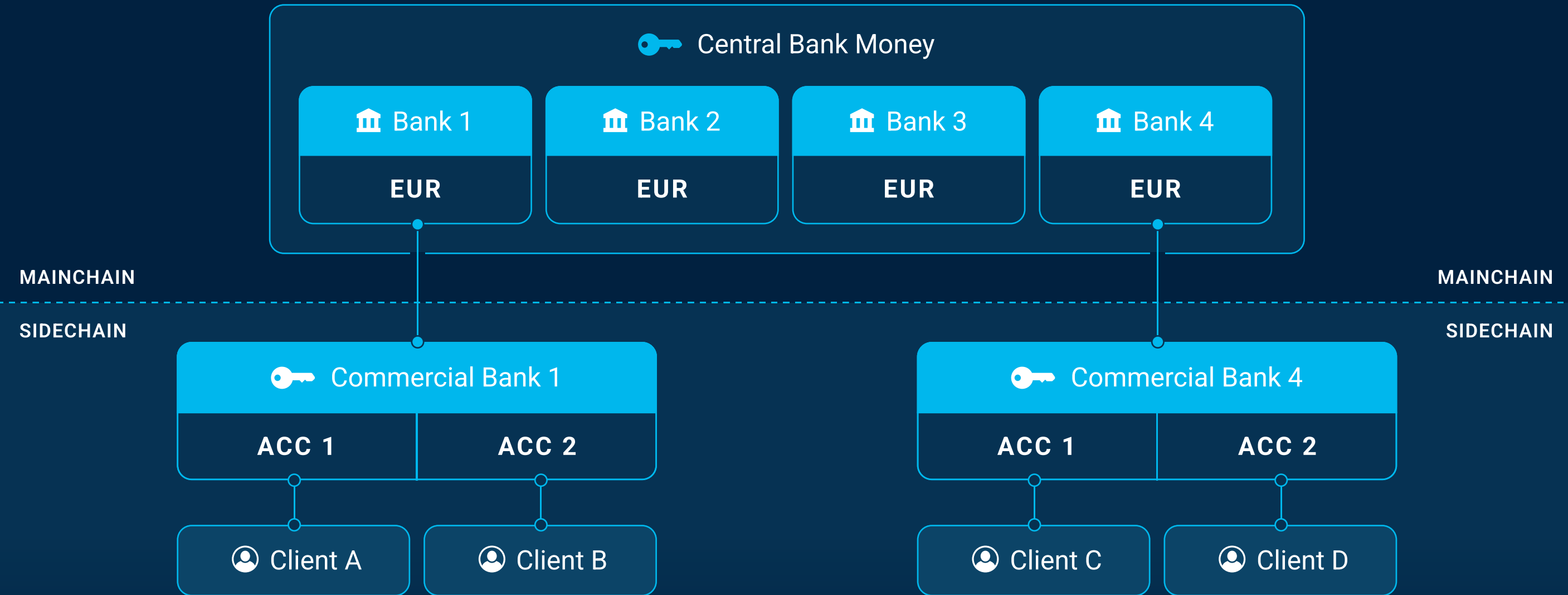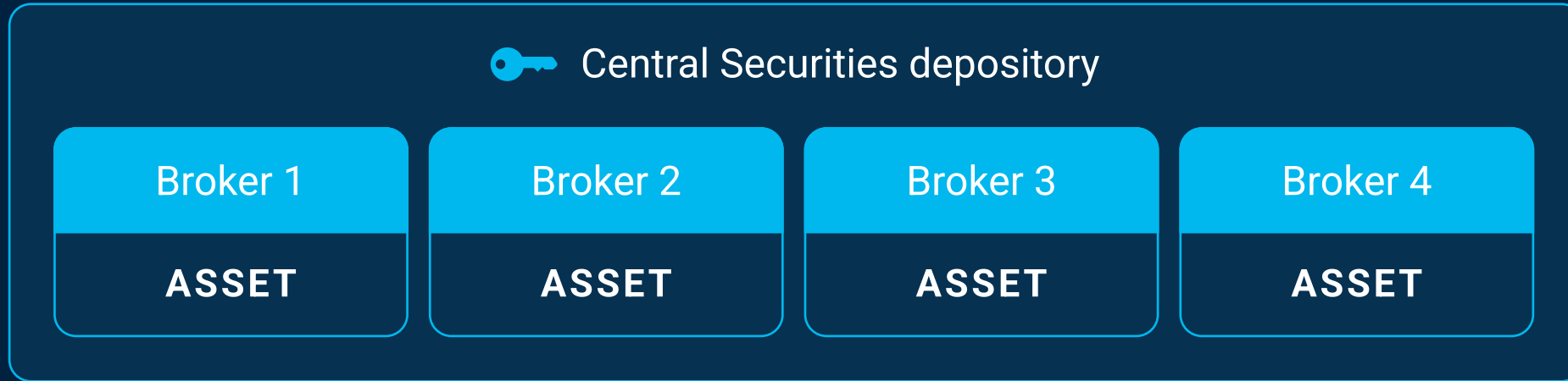
# How do currency ledgers work

# How do currency ledgers work

# How do currency ledgers work

# Securities Ledgers

Central Securities depository

| Broker 1 | Broker 2 | Broker 3 | Broker 4 |
|----------|----------|----------|----------|
| ASSET | ASSET | ASSET | ASSET |

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# Securities Ledgers

# Securities Ledgers

**Central Securities depository**

| Broker 1 | Broker 2 | Broker 3 | Broker 4 |
|----------|----------|----------|----------|
| **ASSET** | **ASSET** | **ASSET** | **ASSET** |

**Broker 1**

| ACC 1 | ACC 2 |
|-------|-------|

**Broker 4**

| ACC 1 | ACC 2 |
|-------|-------|

Client A

Client B

Client C

Client D

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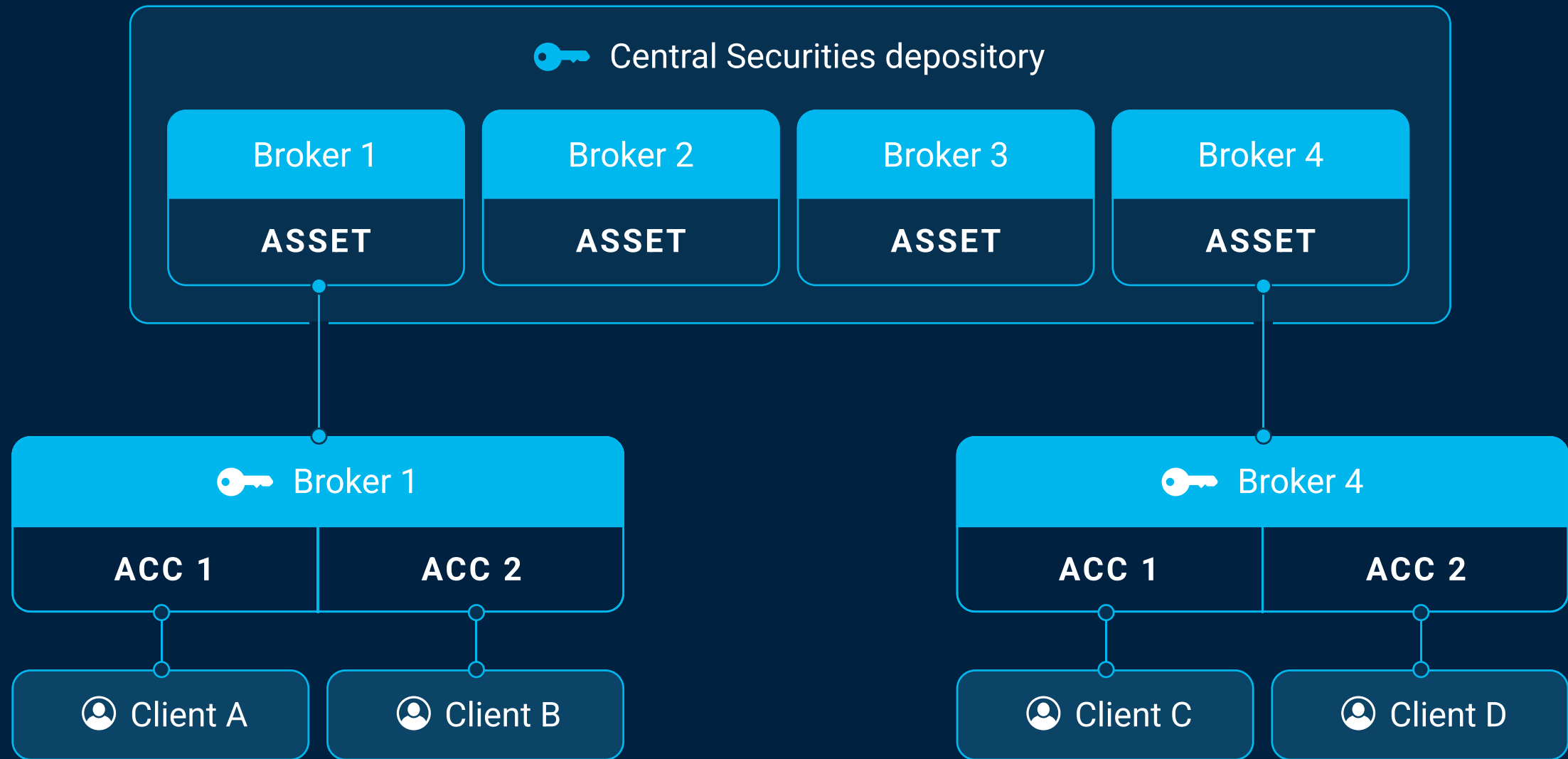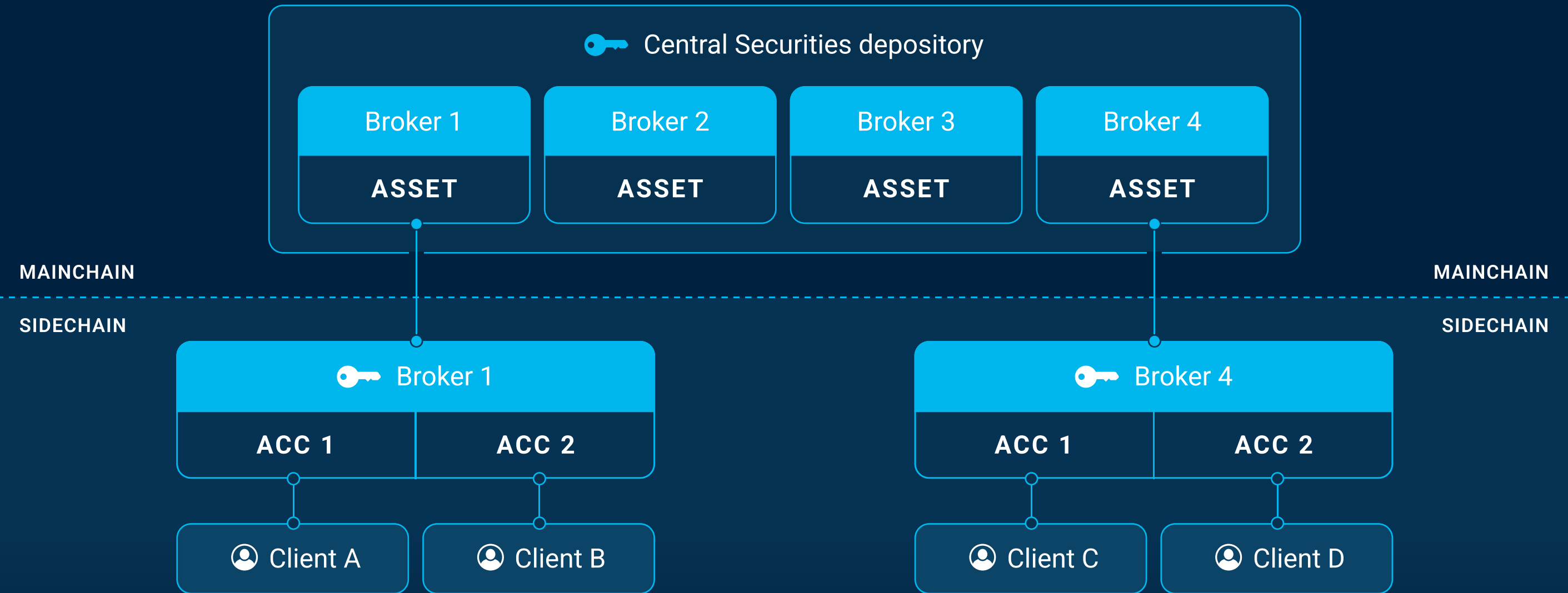
# What is a blockchain?
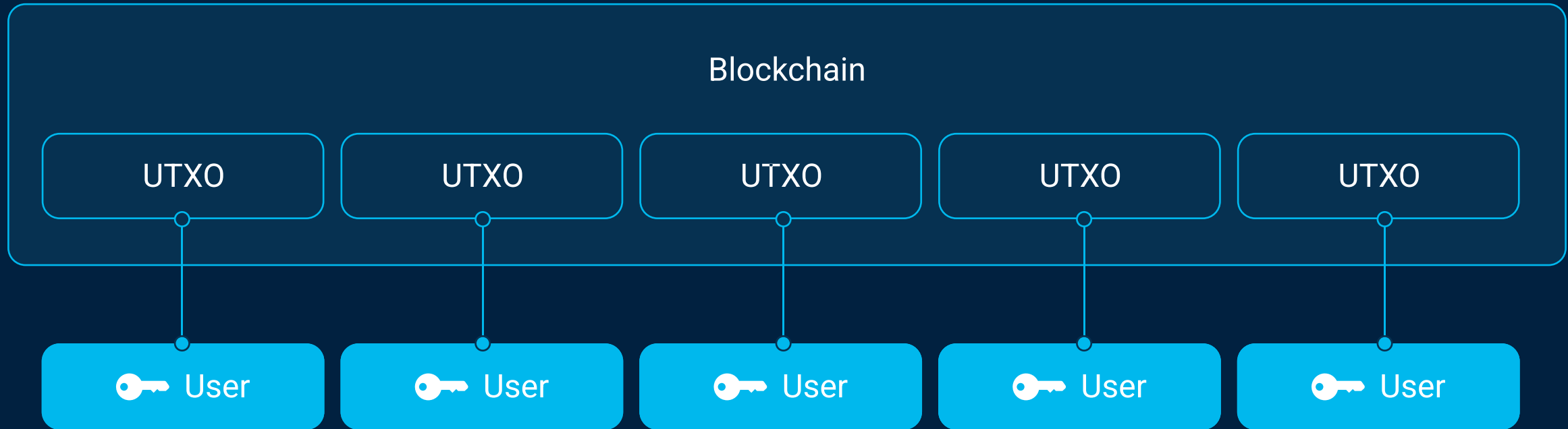
# Why Bitcoin?

## Settlement
## of payment layer

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# What is a side-chain

Bitcoin

| UTXO | UTXO | UTXO | UTXO | UTXO |

MAINCHAIN

MAINCHAIN

SIDECHAIN

SIDECHAIN

Liquid

Non-Permissioned

Permissioned

LBTC

Asset 1

Asset 2

AMP 1

AMP 2

🔑 User

🔑 User

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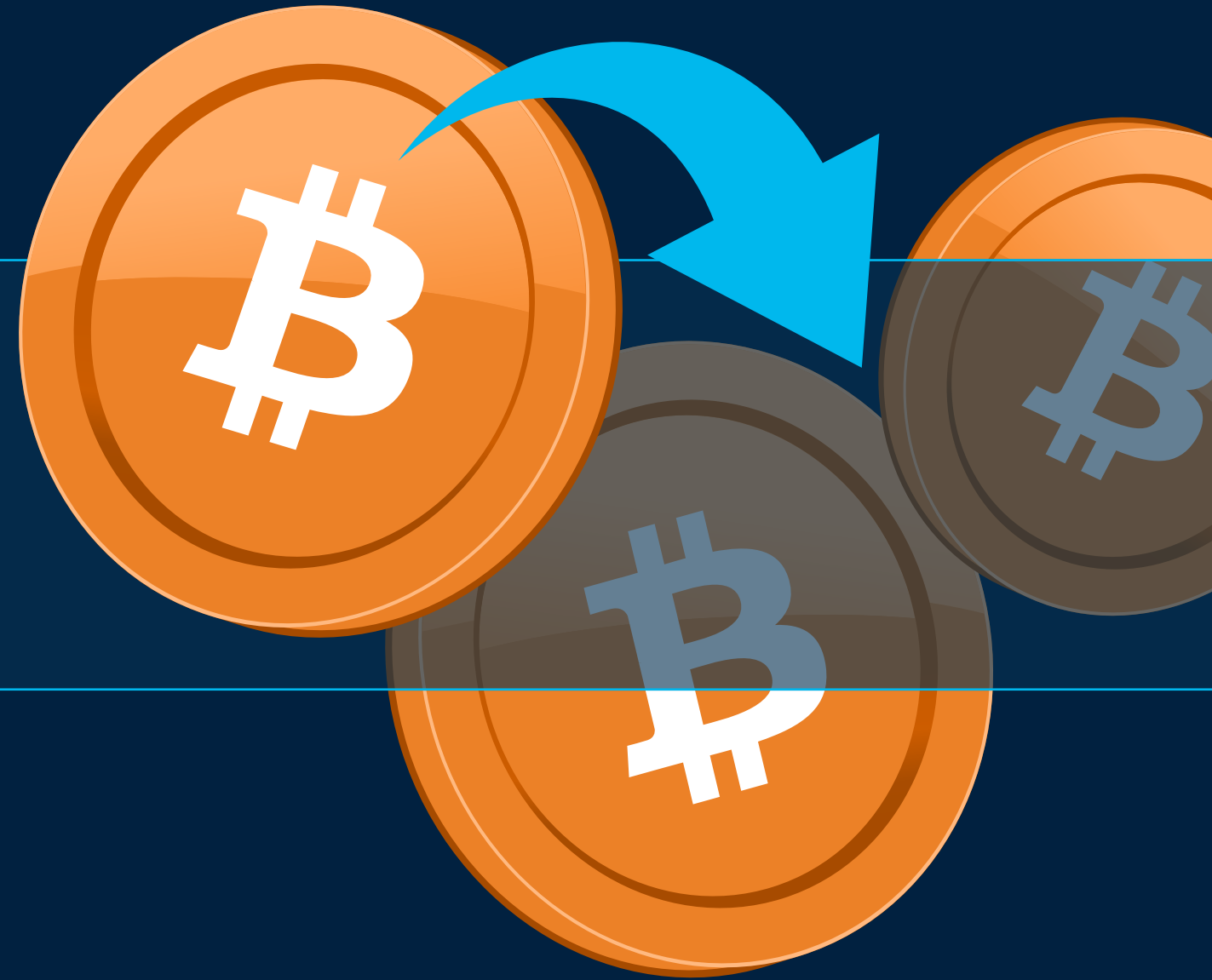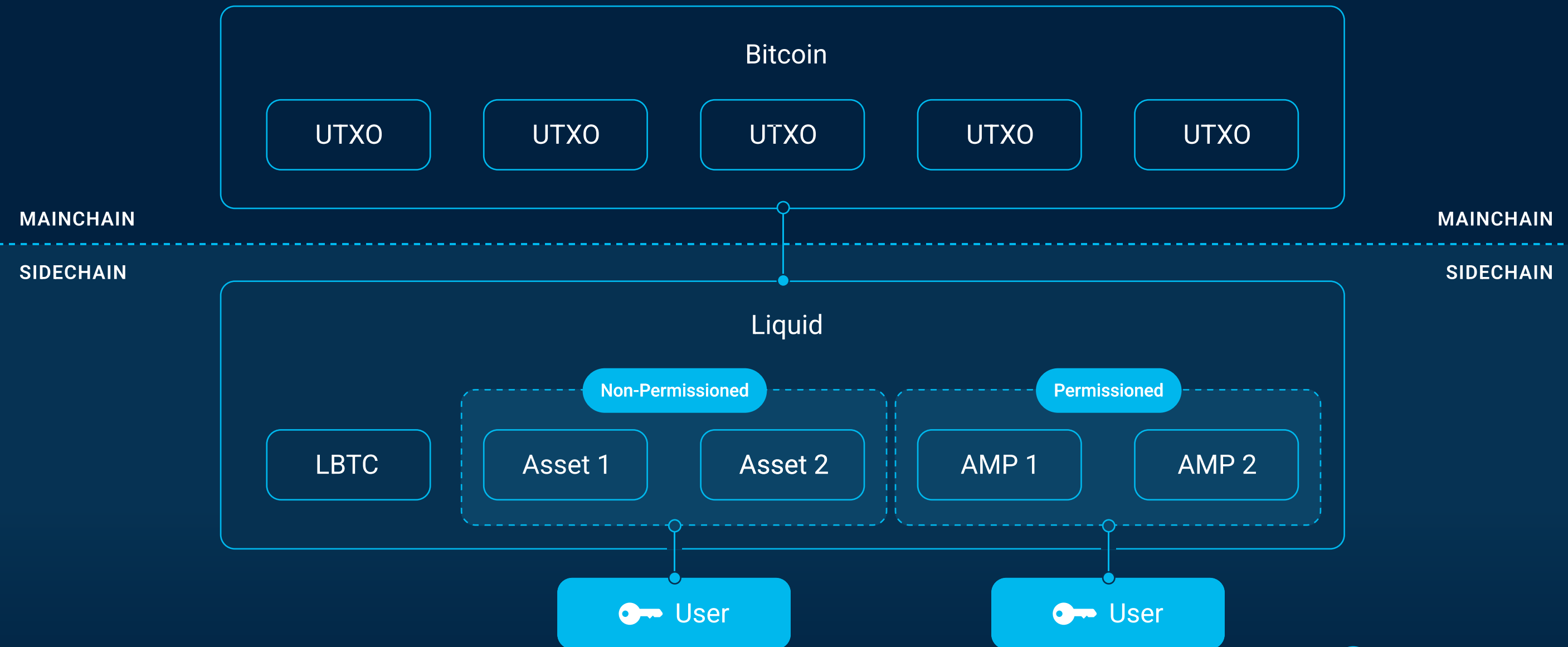
# Financial markets

- Price dissemination

- Matchmaking

- Delivery versus Payment

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# Financial Markets – Margin trading
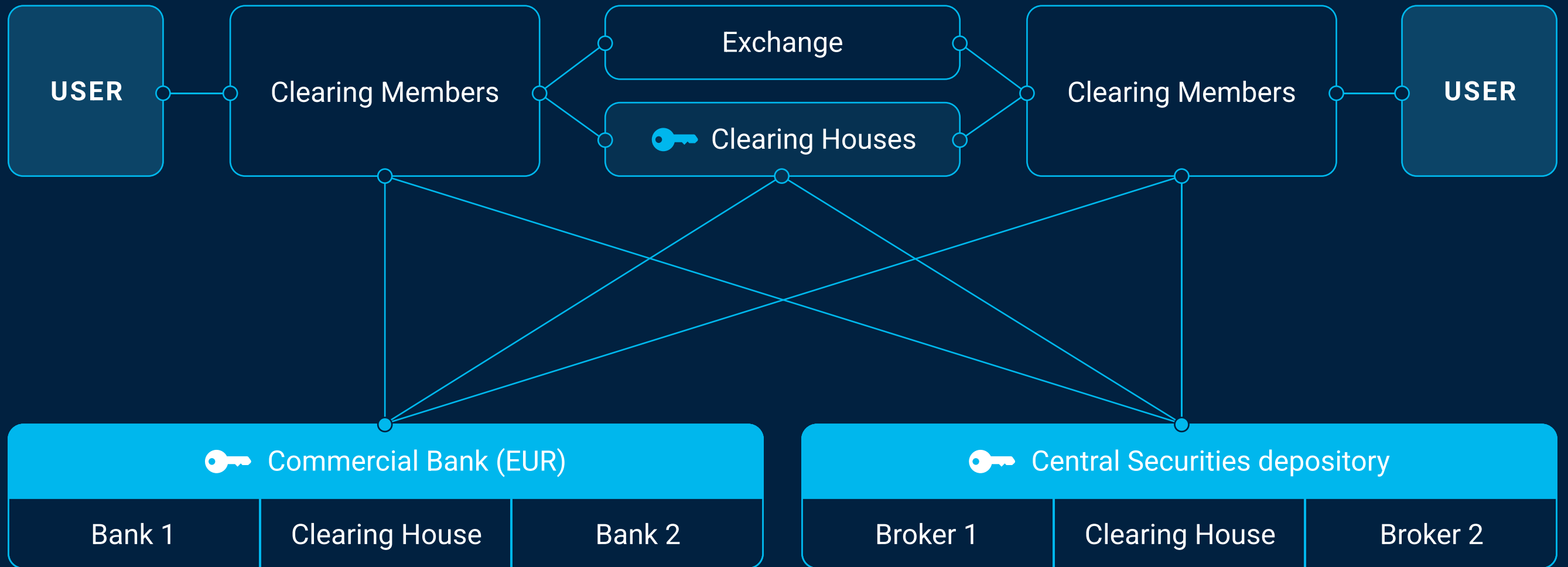
# Crypto markets – custodial exchange
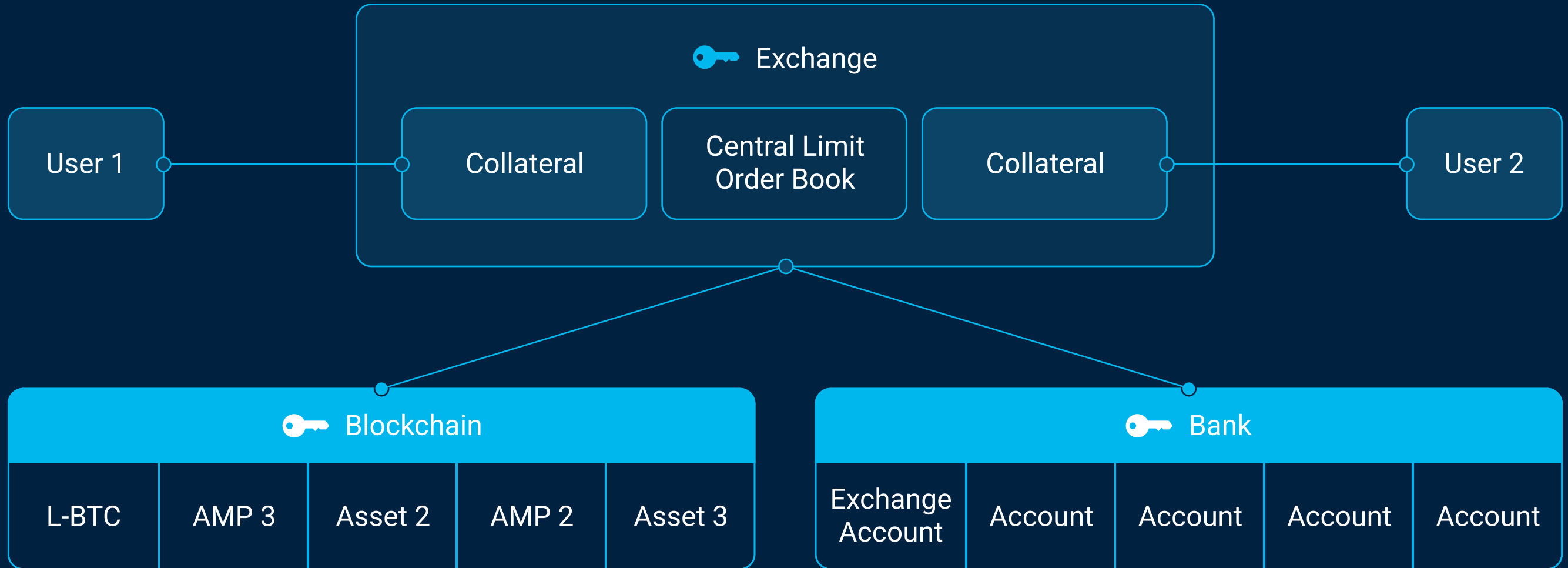


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# Crypto markets – non-custodial swaps



**Public Order Book**

**BIDS**
UTXO commitments

**OFFERS**
UTXO commitments

User 1

User 2

**Liquid Network**

| L-BTC | Asset 2 | Asset 3 | AMP 2 | AMP 3 |

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# Securitization on Liquid

## Liquid Securitizations

INFINITE FLEET

Blockstream MINING

SideSwap

AQF

## Registration Agents

STOKR

DIGTL

PEGx

## Exchanges

BITFINEX Securities

MERJ

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# Call to action

- Learn about sidechains →
- Dip your toes →
- Issue an asset →

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# What does SideSwap offer?

## PRODUCT:

**Wallet (desktop and mobile)**

## SERVICES:

**Peg-in and Peg-out**

**Swap Limit order books**
Including Jade Hardware Wallet Swaps (upcoming)

9:41

history                                    AMP ID: GA42yntE8z7

                                           **AMP assets**
                              Balance       Asset
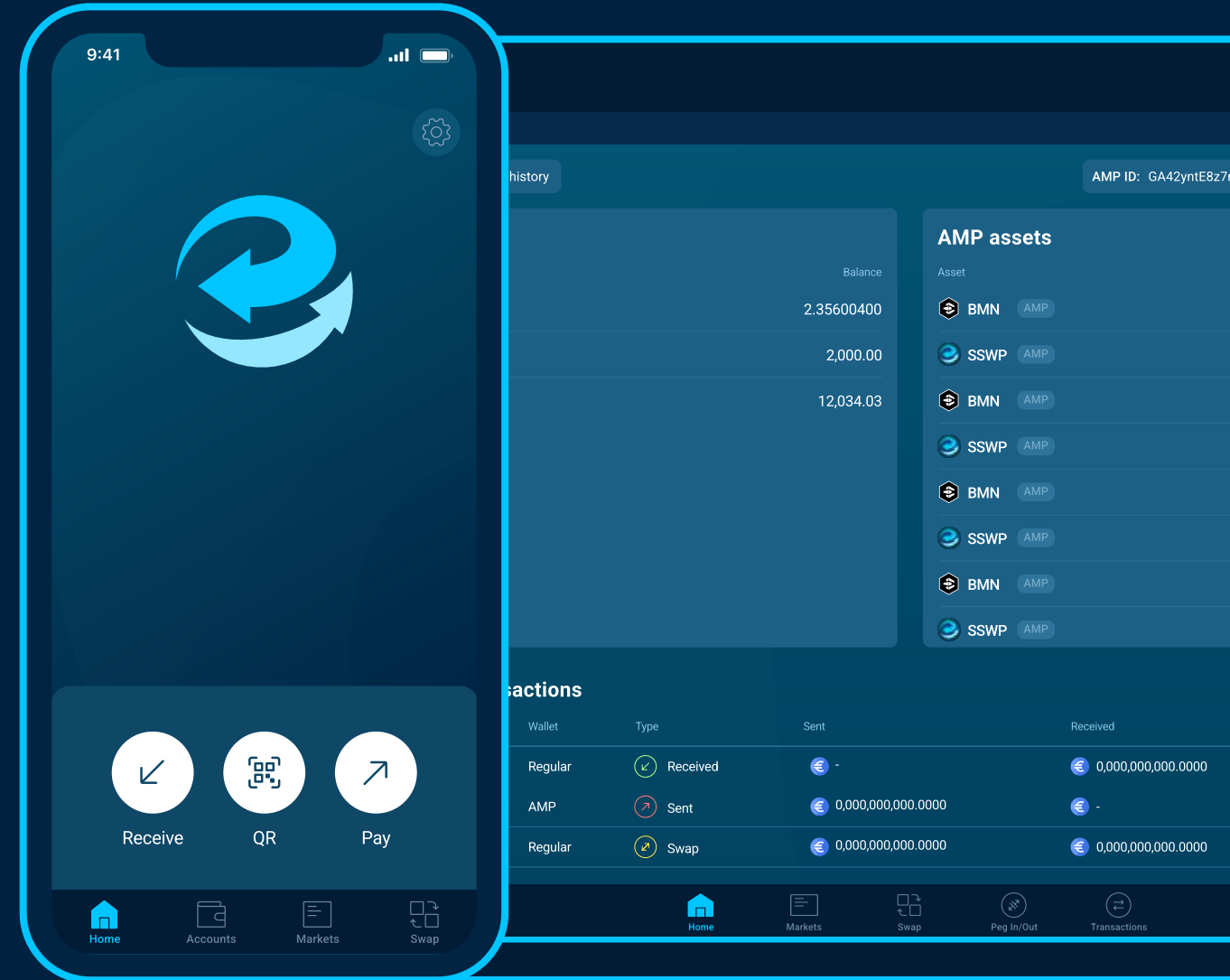                         2.35600400         BMN    AMP
                           2,000.00         SSWP   AMP
                          12,034.03         BMN    AMP
                                            SSWP   AMP
                                            BMN    AMP
                                            SSWP   AMP
                                            BMN    AMP
                                            SSWP   AMP

sactions

Wallet       Type              Sent                    Received
Regular      Received          € -                     € 0,000,000,000.0000
AMP          Sent              € 0,000,000,000.0000    € -
Regular      Swap              € 0,000,000,000.0000    € 0,000,000,000.0000

Receive      QR       Pay

Home    Accounts    Markets    Swap

Home    Markets    Swap    Peg In/Out    Transactions

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