



Enterprise Features for Confidential Asset Transfer

April 2019



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VP Product

Enterprise Blockchain \neq Public Blockchain

Enterprise Blockchain \neq Public Blockchain

Privacy

Enterprise Blockchain ≠ Public Blockchain

Consensus

Enterprise Blockchain \neq Public Blockchain

Trust

Enterprise Blockchain \neq Public Blockchain

Trusted Setup

\$1.7 billion / year

Financial Sector Expenditure on Blockchain Development

Source: Matt Higginson, Marie-Claude Nadeau, and Kausik Rajgopal, McKinsey & Company



Enterprise solution
for transacting
privately on the
Blockchain



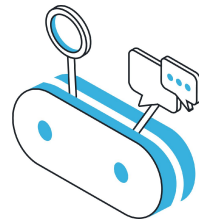
Transactional Privacy

- Complete privacy of transaction details
- Multiple assets support. Fungible and non-fungible



High Level API

- ERC-20 and ERC-721 like interfaces
- Native client SDKs



Enterprise Production Ready

- Proof generation scalability
- Enterprise deployment


```
transferAssetRequest := openapi.TransferAssetRequest{
    WalletLabel: "StocksPortfolio",
    RecipientAddress: "q1dxlf6vap2566t8w3z8f5j5lxy9n036zfsaytjve7fedsw6w8c9",
    AssetId: 200,
    Amount: 1000,
    Memo: "Selling off my Acme Corp. common shares",
}

_, err = client.WalletApi.WalletTransferAssetPost(ctx, transferAssetRequest)
if err != nil {
    util.HandleErrorAndExit(fmt.Errorf("couldn't transfer asset: %v", err))
}
```

Proof Chaining

Throughput, latency,
and modularity



Multiple Assets

Common
transactions and
governance



Issuance Rules

Frequently changing
issuers and asset
types

```
{  
  "can_issue_asset_id_first": 1,  
  "can_issue_asset_id_last": 100,  
  "public_key": "9c0e057b6b7890f119920c98a598b6651f5",  
  "can_issue_confidentially": true  
}
```

Confidential Issuance

Production and
issuance volumes
are private

～_(ツ)~/

**It's not a
bug**

**It's a
feature**

Confidential Issuance

Prove the issuance
conforms to a rule

```
{  
  "can_issue_asset_id_first": 1,  
  "can issue asset id last": 100,  
  "public_key": "9c0e057b6b7890f119920c98a598b6651f5",  
  "can_issue_confidentially": true  
}
```


Atomic Swap

Streamline clearing & settlement



Thank you!

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