

Kaleido Tokenize Assets at Institutional Scale with Kaleido & Hyperledger **Technologies**



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MEMBER IN DEPTH:

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Global Leaders Choose Kaleido











































Humana









Global leaders choose Kaleido for web3

The Challenge

- Fragmentation leading to 'digital islands' springing up across the globe
- Businesses and consumers aren't currently able to make frictionless cross-border payments using CBDCs
- Different systems and different CBDCs will need to be able to efficiently work together

The Solution

• Integrated tokenized CBDC gateway for the industry

The Results

- Orchestrated a cross-border transaction between one entity on a DLT-based CBDC network and a second running on an established real-time gross settlement (RTGS) system
- Interlinking the multiple domestic-based CBDC networks emerging worldwide to make cross-border payments with CBDCs seamless Read the whitepaper

Why Tokenize Assets



Increased Liquidity

Fractionalized assets increases liquidity and accessibility to investors



Faster Settlement Times

Smart contracts may automate certain aspects of transactions, reducing the need for intermediaries & speeding up transactions



Record Keeping

Digital ledgers streamline record-keeping and accounting, potentially eliminating the need for reconciliation.



Fee optimization

Save on processing fees from intermediaries with automated transactions through smart contracts



Global Markets

24/7 markets increase potential investor base and allow access to a larger market



New Financial Products

Tokenization may unlock new products such as dynamic ETFs, fractional real estate, fractional art, insurance policies, lending, commodities, and more



Compliance

Codify regulatory compliance to ensure only eligible investors participate



Kaleido's Asset Tokenization Offerings

Open-source engine



High-quality chain infrastructure



Tokenization Platform



Smart contract management & upgrades



Transaction management



Full spectrum of connectivity



Integrations with internal systems



Pluggable custody



Data indexing



Transaction rules



Security policy



Enterprise grade compliance



Kaleido's Blockchain Business Cloud

Institutional Web3

Digital Assets & Tokenization

Consumer Web3

Mass scale user applications

Multi-Party Web3

Business Networks

Kaleido Asset Platform

Digital Asset

Institutional grade digital assets platform across public and private

NFT

Mass scale dedicated NFT platform with zero gas and high performance

Consortium

Full stack, decentralized hosting on an automated, compliant platform

FireFly Supernode

Asset Middleware & Infrastructure

Custody



Mala 2 Cartavian

Web3 Gateway

Transaction Manager

FireFly OS

Data Manager

Event Bus

Enterprise Integration



First open source SuperNode for blockchain and digital assets

Chain

Blockchain-aa\$ infrastructure

Private



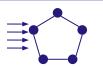
Consortium



App Chain



Side Chain



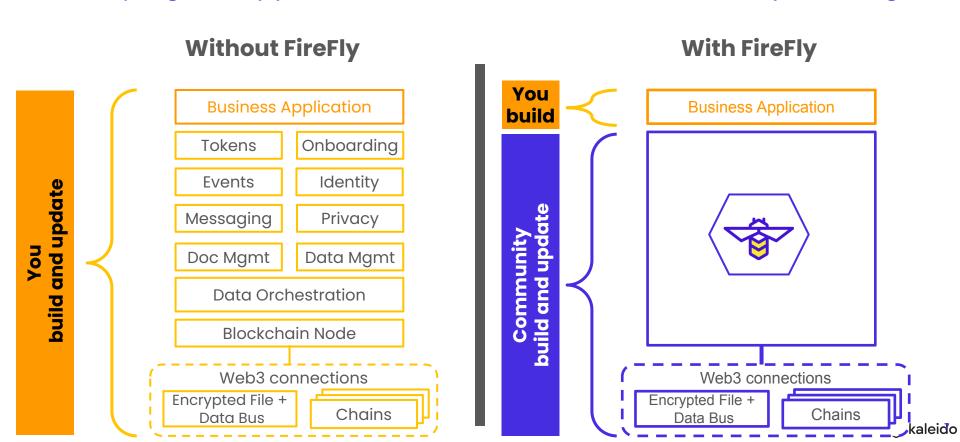
Public Chain



Industry leading BaaS - multi-protocol, cross-cloud, and hybrid

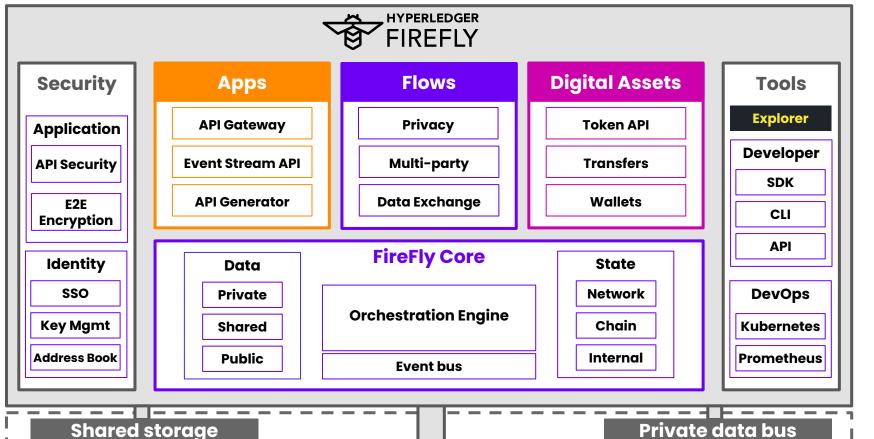


FireFly's gen2 approach eliminates custom code and plumbing



Hyperledger FireFly 1.2





Blockchain

__ _ kaleido

Tap into a diverse set of custodial key management options





Custody









Kaleido Hosted

Wallets hosted in your Asset Platform instance

HD Wallet

- ✓ Simple and secure native wallet service
- ✓ Portable and offline mode



Cloud Service

Keys stored in services in your cloud account

AWS CloudHSM AWS KMS Azure KeyVault

- ✓ Manage keys off Kaleido platform
- ✓ Securely integrated



3rd Party

Wallets hosted by third party technology

Fireblocks Hashicorp Vault

- ✓ Use popular 3rd party technologies
- ✓ Enables MPC options



Plugin you own

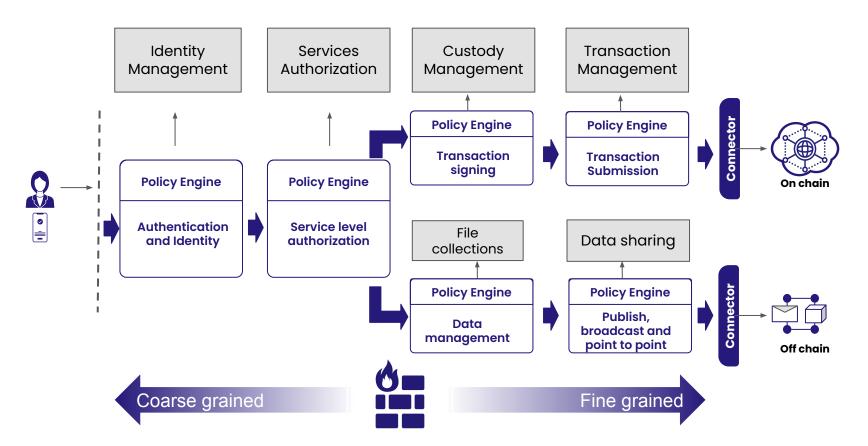
Connect any keystore with a standard api wrapper

Any keystore
Any PKCS11 HSM

- ✓ Ready to plug in to any PKCS11 HSM
- ✓ Store keys on premise



A complete, multi-layered policy engine



Evolving Tokenization Standards

ERC-20

Description:

Fungible token or the ability for a token to be exchanged for something of the same value.

Potential Uses:

- CBDCs
- Commodities
- Stocks
- Funds
- Loyalty points
- Stablecoins

+ more



ERC-721

Description:

Non-Fungible token (NFT) or the ability to represent a unique one-of-a-kind assets.

Potential Uses:

- Real estate
- Art
- Intellectual property
- Collectibles
- Carbon credits
- Luxury goods

+ more



ERC-1155

Description:

Smart contract interface that can represent any number of fungible and non-fungible token types

Potential Use:

- Fractionalized real estate
- Fractionalized art
- Fractionalized stocks
- Fractionalized bonds
- Alternative assets

+ more



ERC-140X

Description:

Custom security tokens standard with built in regulatory and compliance requirements

Potential Use:

- Equity
- Bonds
- Loans
- Royalty tokens
- Pre-IPO shares
- Security token offerings

+ more



+ other ERC standards or custom token smart contracts



Enterprise Grade Compliance

SOC 2 Type 2 (Security, Availability, Confidentiality)

Kaleido is SOC 2 Type 2 certified for managing customer data across three trust service principles.

ISO 27001, 27017, and 27018 Certified

Kaleido is ISO certified for security and business controls.

Enterprise Quality Comes Standard

Build enterprise ready networks on the most proven platform with built-in HA/DR and automatic failover, performance, secure network isolation, environment metric dashboard, SLAs and dedicated 24×7 support available.

Advanced Key Management

Secure options for hosted and self-hosted key custody









Get in Touch

Schedule a Free Consultation

https://bit.ly/3HUVONM

Try Kaleido Free

https://console.kaleido.io/signup





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