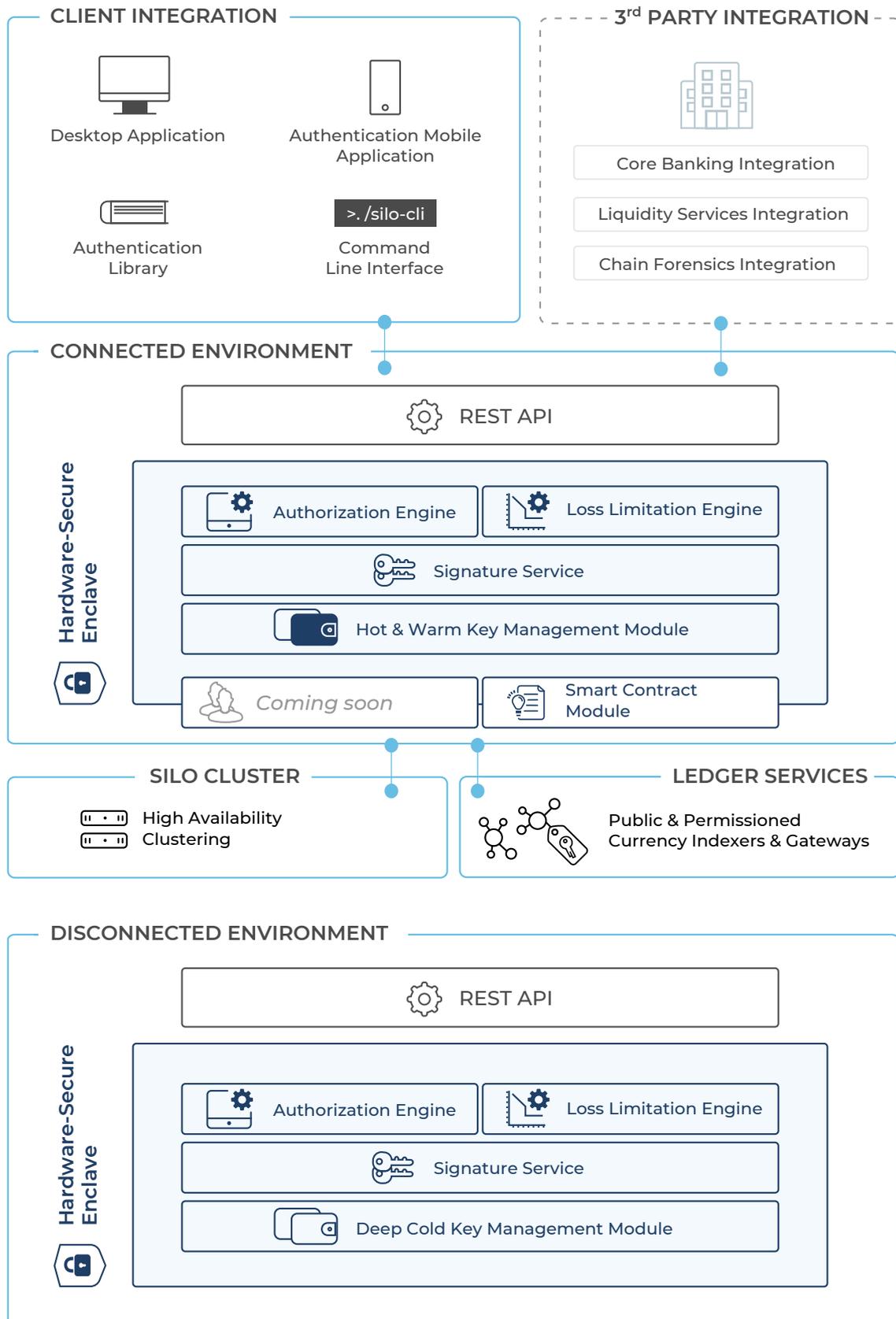


SILO platform

A product by  METACO™





CLIENT INTEGRATION

Desktop Application

SILO desktop application is a simple way to administer and operate SILO. It is compatible with Windows, MacOS and GNU/Linux.

Authentication library

SILO signing library enables an easy integration of the SILO approval signatures in a third-party application.

Authentication Mobile Application

SILO mobile application stores the keys in the secure key store of the mobile and acts as an approval terminal for SILO operations.

Command Line Interface

SILO command-line interface is a utility that consumes SILO's API and allows for a quickstart without having to peruse the whole REST API documentation. The CLI can also be used for integration purposes.



CONNECTED ENVIRONMENT

The Connected Environment provides a complete wallet management service for hot and warm wallets leveraging best-in-class hardware security while minimizing the operational footprint. It includes REST APIs, orchestration services, an authorization engine, and loss limitation rules protecting the HSM from undue access, and indexers and gateways for cryptocurrency networks and permissioned ledgers.

REST API

The HTTP REST API is the main gateway to administer and operate the SILO platform.

Hardware-Secure Enclave

The Hardware Secure Enclave is a dedicated platform used to run sensitive processes. Both the computing unit (CPU) and memory (RAM) is isolated from the rest of the components. The enclave in our specialized hardware extends the same hardware enforced security guarantees that HSMs provide to key material to protect the policy engine that manages the governance, access, and use of the private key material.

Authorization Engine

The Authorization Engine enforces transaction approval workflows. It relies on multi signature and role-based access to enforce segregation of duties and four-eyes checks before a transaction is signed and broadcast to the distributed ledger.

Loss Limitation Engine

The Loss Limitation Engine is a last resort security gate enforcing automated detection of fraudulent transactions with velocity checks, and applying time-locking periods on suspicious transactions before broadcast.

Signature Service

The Signature Service provides final transaction approval through a digital signature of the blockchain transaction. The signature is computed by the hardware security module (HSM), a physical computing device that safeguards and manages digital keys for strong authentication and provides processing of cryptographic tasks.

Hot & Warm Key Management Module

A Hot Wallet is typically connected and automated. It provides the highest level of liquidity and can be used to process payments on an e-banking platform, or withdrawal requests on a crypto-exchange.
A Warm Wallet is manually-operated. It enforces strict approval workflows allowing four-eye checks and segregation of duties. It provides an ideal balance between liquidity and security and can be used for longer term custody. Combined with advanced blockchain primitives such as true multi-signature, it can be the basis of a Cold storage.

Smart Contract Module

The Smart Contract Module provides full support for Ethereum's smart contracts. Beyond ERC-20 tokens, the module allows Ethereum wallets to interact with any smart contract on the blockchain. All interactions are secured by SILO hardware enforced governance and authorization.

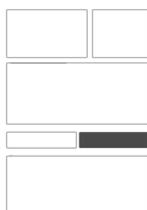
Tokenization of assets - Secure governance and authorization for the asset tokenization process including minting, burning and transfers.

Custodial services - Enables the secure management of the full lifecycle of a tokenized asset which could include dividends, coupon interest payments, corporate actions, etc.



SILO CLUSTER

SILO is a highly available platform that can be deployed as a fault tolerant, multi-node cluster with consensus based approval. It supports multi-datacenter geo-distribution to meet the client's resiliency and business continuity requirements.



LEDGER SERVICES

SILO comes with integrated nodes and blockchain indexers. This enables tracking of blockchain data and real time transactional information. Indexers are customizable to include compliance logic into the processing of inbound and outbound transactions.



DISCONNECTED ENVIRONMENT

The Disconnected Environment provides a complementary service for fully air-gapped, deep cold storage. It relies on best-in-class hardware security and physical isolation to provide the ultimate level of security. Its full compatibility with SILO's Connected Environment makes it seamless to operate in combination to Hot and Warm Wallets.

Deep Cold Key Management Module

A Deep Cold Key is manually-operated and fully air-gapped. It provides the highest level of security for blockchain keys and is the best-in-class solution for long term custody of digital assets. Transaction requests are generated in the Connected Environment but require a manual authorization on the disconnected one.



THIRD-PARTY INTEGRATION

Core Banking Integration

SILO exposes a REST API that is fully documented and has been successfully integrated into multiple core banking systems.

Liquidity Services Integration

SILO has partnered with firms that can provide integrated exchange and OTC market access as well as order management for trading cryptocurrencies and digital assets.

Chain Forensics Integration

SILO has partnered with firms that specialize in providing forensic tools to address regulatory requirements such as anti-money laundering (AML) and combating the financing of terrorism (CFT).

CONTACT



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