

Ledger Vault



Control, Scalability, Agility Because security is not enough.

Ledger Vault is a **turn-key solution** with end-to-end security to make digital asset custody convenient to interact with, secure, and reliable. Our platform creates a **flexible and agile environment that enables scalability and governance** over flow of funds in, out, and within your institution.

We enable our users to retain full private key ownership while providing a **fully auditable operational framework**. This means that your digital asset business will always maintain complete control over your funds while also enhancing its scalability.

Ledger Vault is the ultimate solution to secure your digital assets, without compromising on access or governance, enabling you to build the best service for your customers.

Ledger has obtained a pooled customized crime insurance policy insuring crypto-assets for up to \$150 million for the Vault Platform led by the prestigious Arch UK Lloyds of London syndicate.

Insurance Partners



Enabling you to grow your business



Peace of mind

Leverage the end-to-end security of the Vault a
Leverage the end-to-end security of the Vault to remove single points of failure throughout your organization. your organization.



Control

Maintain full visibility and audibility over your user's activity on the Vault platform and ensure you meet your compliance requirements.



Agility

Customize your approval workflows to meet your governance policies and integrate them into your operations via APIs.



Scalability

Create complex and scalable wallet structures, conditional governance rules, and create whitelists to easily manage a large number of users, wallets, and transactions.

Who controls the private keys?

All wallets are generated from a single master seed through a standard hierarchical derivation process. The master seed is generated offline by three users of the host institution, using three unique devices. Their seeds are then backed up and combined to create the master seed in the HSM. The process ensures complete independent recovery, the highest standards of key generation, and enables the institution to keep full sovereignty of its digital assets.

Securing the entire processing chain

Extend the security perimeter to your own customers by enabling them to request transactions through the secure platform.

All actions on the platform are encrypted and attested as part of your instance of the Vault.

Assets holders operators
→ Initiate transaction on the platform



Custody Operators
→ Initiate transaction
→ Authorize transaction



Governance engine validates against wallet policies



Transaction is signed by the HSM



Transaction is broadcast

The Vault is near infinitely configurable. You can create complex wallet and rule structures to enable whatever controls and management you need.

Ledger manages the explorers and the orchestration engine, you have full control over everything else.



Advanced rule engine for complex control over your users and your assets



Whitelists enable ability to block outbound transactions outside a defined list of trusted addresses.



The multi-authorization distributes approval responsibility among multiple users within the institution according to a customized m-of-n quorum.



Approval groups enable you to build elaborate and resilient multi-authorization schemes by arranging users into groups organized by geographic location, internal department (compliance, operations, etc.), user access credentials, external 3rd parties, and more.



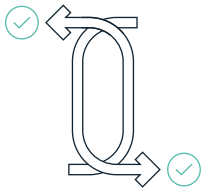
Conditional workflows enable the selection of a specific multi-authorization scheme according to a set of conditions, such as a transaction amount and adherence to a whitelist.

End-to-End Security By Design



Trusted input through Personal Security Devices

- All critical operations on the Vault platform are authenticated and verified through a user's PSD
- Enables generation of private keys and secrets using the built-in TRNG
- Offers a Trusted User Interface through the EAL 5 secure element



Secure Execution on Hardware Security Module

- Isolates and stores private keys Protects and enforces the governance rules of critical operations
- FIPS 140-2 Level 3 HSM



Mutually Authenticated Secure Channels

Upon onboarding, all devices are flashed with unique certificates attesting to authenticity and one's instance of the Vault. Every connection to the platform requires an attestation mechanism, ensuring a secure channel of communication between the PSD and the Hardware Security Module.

A turnkey platform

The Ledger Vault is a SaaS platform enabling financial institutions to focus on growing their businesses while Ledger takes care of operating, monitoring, and updating the platform and the blockchain infrastructure.

Institutions using the Vault can control their TCO while growing their operations thanks to the platform's scalability.

What our customers say about us



Eric Anziani

Chief Operating Officer
at crypto.com

"We are thrilled to work with Ledger and their institutional grade digital asset custody solution - Ledger Vault. Ledger Vault allows us to operate our business at scale while maintaining the highest standards of security to protect our client funds. We were one of the Early Access partners with Ledger Vault and have seen the team grow and its services strengthen since launch. We value the Ledger Vault team's customer care and high touch support. We are looking forward to a continued partnership with Ledger in the future."

Paul Lee

CISO
at uphold

"The nature of our business is the easy exchange of value between assets. Fluidity is our lifeblood. The trick is to provide this utility while maintaining the security of a traditional financial institution. No matter how many layers we employed to protect the all-important underlying keys, we were always kept up at night by the prospect of them being stolen or misused. Enter Ledger Vault, a solution which creates a chain of trust within a protected enclave, locked by a key to which they have no access. This service also provides a hitherto unseen level of attribution, with granular access controls and personal verification to the level of a bank"

Eric Yoo

Chief Strategy Officer
at DNM

"Ledger Vault gives us the ability to secure our digital assets at rest and in motion. Their unique platform provides us with unprecedented stability as a custodian, thanks to a sophisticated governance rules engine that allows the sharing of duties between parties, while ensuring all requests and approvals are both genuine and dealt with rapidly. The solution was relatively easy to deploy, and the openness and helpful disposition of their customer team is a huge plus."

About Ledger

Ledger is the global leader in security and infrastructure solutions for safeguarding critical digital assets. With a team of over 200 professionals around the world, Ledger offers a variety of products and services that protect critical digital assets for individuals, companies and connected devices.

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