QREDO
CUSTODY NETWORK

COLD STORAGE IS OBSOLETE...

The Network is the Vault™

Qredo Custody Network solves the biggest issues in decentralized systems: theft, liquidity and transparency. Qredo's Custody Network provides immediate redemption liquidity and settlement, eliminates theft of private keys and tokens and delivers legal certainty over digital assets held in custody. It's time to move beyond hot wallets and cold storage. It's time for decentralized custody.

> "QREDO IS A DIGITAL ASSET CUSTODY SERVICE SPECIFICALLY FOR EXCHANGES, BANKS AND OTHER FINANCIAL INSTITUTIONS WITH THE MOST DEMANDING REQUIREMENTS FOR SAFEGUARDING DIGITAL ASSETS."

THE IMPORTANCE OF DIGITAL ASSET CUSTODY

Cold storage and hot wallets are a cybersecurity fraud. In 2018, an estimated $1.8B was stolen from exchanges. Since inception, 15% of all digital assets have been stolen, an estimated $20B. The centralization of crypto private key storage is too attractive a target for theft, hack and spoof. Cold storage will never be able to satisfy the requirements of institutional investors for security, legal certainty and transparency.

Qredo's solution addresses the rampant theft and hacking of digital assets while removing the risk of private key management, and delivering privacy, legal certainty, and regulatory/law enforcement transparency.

https://qredo.com

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ELIMINATE THEFT

While digital assets are in a Qredo custodial account, the keys for the custody account do not exist. Keys are generated once a threshold of Fiduciary officers assigned to the account approve a redemption request. The result is a digital asset custody innovation that eliminates the risk of digital asset theft.

IMMEDIATE LIQUIDITY AND SETTLEMENT

Qredo uses the blockchain as the custodian, not its own wallet. Other custodians send assets from their wallets to a Beneficiary resulting in a privacy leaking transaction on the distributed ledger. With Qredo, Beneficiaries assume control of an on-chain custodial account that is already funded. The result is immediate access, settlement (milliseconds) and transactional capability of assets redeemed out of custody.

PRIVACY BY DESIGN

By enabling Beneficiaries with control over pre-funded custodial accounts, Qredo eliminates the surveillance links between cold storage custodian wallets, depositors (Principals) and Beneficiaries. All redemption smart contracts, messages and logs over the Qredo Custody Network are digitally signed and encrypted using post-quantum cryptography delivering the highest levels of privacy for transaction participants.

SEGREGATED CUSTODY

Each custodial deposit transaction is its own separate entry on-chain. Each account has its own private, off-chain smart contract redemption policy listing Principals, Fiduciaries and Beneficiaries to map to business processes. Each account's transaction block and activity information is reflected within the Qredo Custody Network's distributed, immutable file system to give real-time visibility over the underlying asset's state.

LEGAL CERTAINTY

Qredo offers the only solution which secures the transaction to the blockchain and records each transaction in a digitally signed, immutable file system that reflects the state of the underlying assets on-chain and allows for full transparency to regulators and law enforcement without sacrificing counter-party privacy. The implementation allows for a lower cost of deployment with quantifiably better operational security.

WIDEST FLEXIBILITY AND SUPPORT

Qredo's Custody Network supports over 60 of the top cryptocurrencies and all major security tokens. Qredo's open source Custody Node easily integrates with back-office infrastructure via FIX Messages or REST APIs. App developers can easily interoperate with Qredo's Custody App for iOS and Android without major integration changes to their application. Qredo supports an almost unlimited array of smart contract redemption policies. For deployment and integration details, see Qredo Custody Network's repos at https://github.io/qredo-custody-network and documentation at https://docs.qredo.custody.network.

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