



# Secure Platform for custody of digital assets and crypto currency



*High liquidity, high security and high operational compliance can only be achieved when we disaggregate these functions into a closed ecosystem of trusted and distributed services with strict separation of duties.*

## A digital wallet has 3 critical functions:

- ✓ Storing a key
- ✓ Constructing a transaction and
- ✓ Signing a transaction

### The IBM Approach

- We store the private key at a consistent level of access and risk (secure whether it is a hot or cold transaction)
- We introduce an Operational Decision Framework to build regulatory compliant operational processes that are fully integrated into backend systems for taking decisions in terms of transaction signing approvals.
- We have the use of only hardened signing apparatus featuring robust user authentication and authorisation, immutable transaction specific rulesets and orchestrated transaction signing by stateless HSM's and stateless signing services bootstrapped with TLS and secure enclave credentials

**When we bring these all together we feel we have a much more secure environment through disaggregation of these core functions than if you simply deploy a wallet on your exchange.**

## Why IBM

- **Technical assurance** - which closes off many of the attack vectors associated with **both external and internal threats**. (one example is that no administrator can access data or cryptographic keys)
- Ability to **more easily meet regulatory & governance requirements**
- **Plug and play options** adapted to suit client strategy & architectural requirements (Crypto as a service, DBaaS, Virtual Server and Secure Build DevOps plugin)

## Why NOW

- Institutions & investment banks are doing this today – agility is needed to remain relevant and competitive – DeFi is already changing things fast
- New Fintech's are emerging with offerings
- Digital Asset Custody - Deutsche Bank Festival of Finance overview
- [Watch on Youtube](#)