



lokblok®

CASE STUDY 2

**ADOPTION OF REMOTE
ATTESTATION SERVICES FOR
DIGITAL ASSET INHERITANCE**

BACKGROUND

Clocr, a global inheritance planning service for digital assets and social media accounts, wanted to expand its services to manage the transfer of Secrets and Keys for cryptocurrency wallets and sensitive files to Trustees at the appropriate time and provide a secure method of recovery for the asset owner while they were still among the living.

Lokblok and Clocr partnered together to create the CryptoLegacy Shielded by Lokblok service. However, Clocr wanted to offer a complete software service which required we abandon issuing a Toughkey or Toughcard to the asset owner and Trustees for their convenience. This was realized as inadequate because:

- There was no remote attestation from either the asset owner or trustee.
- Without remote attestation provided by Toughkey/Toughcard, the system had no secure process to verify the identity and integrity of the remote device or person.
- It increased the opportunity of internal or external theft of the keys and secrets by bad actors.
- No trust can be established between the end user and the service that is mandatory for secure communications and data exchange for the key or secret.

SOLUTION

Lokblok's Toughbox and ToughID, provides a robust, secure, private key management service to add remote attestation services to the KYC/LiveID process. This increases the level of security assurance for trustworthiness and identity of the asset owner or trustee and their remote computing device. ToughID provides a cryptographic process for identity information that the KYC/LiveID process returns to the Toughbox Key Management Service, which in turn is validated before any keys or secrets are recovered.

BENEFITS

- Adds a cryptographic remote attestation process during a KYC/LiveID verification to establish trust and verify asset owner/trustee identity.
- Ensures keys and secrets will be returned only to the asset owner or trustee when recovery is requested.
- Can be used with Toughkey or Toughcard to enhance security to the highest level of trust.
- Available for recovery of sensitive digital files as well as keys and secrets.
- Solution allowed as many wallets as desired by client to be used for segregation, thereby further reducing the risk through improved security as a master wallet was not needed.