SECURA: Distributed Data-at-Rest with Information Theoretic Security

SECURA is designed to safeguard data at rest utilizing mathematically-proven Information Theoretic Security, an encryption protocol that is impossible to break even with infinite computational power - classical or post-quantum. SECURA also employs distributed file systems, and distributed ledger technology with zero-knowledge proofs to ensure that information cannot be accessed by any unauthorized user or be maliciously encrypted by a ransomware attacker. Authorized users can verify the authenticity and non-repudiation of information, authorize the sharing of files and information while controlling with whom and how it is shared, and be able to recall the shared information at any time. SECURA allows an authorized user to see that a file has changed, by who, and when the change occurred creating a fully auditable digital chain of custody and document authentication.

SECURA Core Features

- Protects secured data-at-rest against ransomware and Harvest Now Decrypt Later attacks.
- Complete control of your information, even after its shared
- Total audit compliance over information for authorized users
- Verify the authenticity and non-repudiation of information
- Meets the needs outlined in the NIST Cybersecurity Framework
- Simple API that will incorporate with current systems and is seamless to end-users
- No proprietary applications or ecosystems
- Easy integration with other Beskar APIs

About SABRkey

SABRkey is a software service of seven integrated APIs (CLCKD, SECURA, IDENTICO, PROVISIO, HELIX, COMERCIO, and SABR-PAXOS) that connect your physical identity and physical objects with their digital presence while keeping your information anonymous and secure.

SABRkey is our vision showcasing a full implementation of our technology's potential – a completely decentralized, ransomware-resilient secure digital ecosystem that protects your information and privacy while being interoperable with any device or application. Featuring completely new ways to do secure messaging, identity authentication, file storage, secure commerce and beyond, SABRkey allows you full control of anything you create or connect. Understanding that people and organizations may only desire to utilize facets of SABRkey to start their journey towards post quantum security, we created interoperable API's for specific functionality. Visit www.SABRkey.com to learn more about how you can retake control of your technology.