About Beskar

Beskar, Inc. is a technology innovation company that delivers trailblazing solutions to solve challenges that the largest companies and governments in the world struggle to resolve. We combine our own patents with emerging technologies to deliver cutting-edge solutions to improve organizational security, enhance existing systems and workflows, and reduce cyber risk. Beskar is a service disabled, veteran owned, small business with TS/SCI cleared personnel.
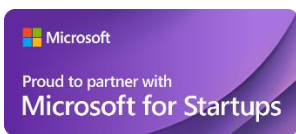
Core Capabilities

- Fully auditable, immutable ledger of access and interactions with agency data and assets while keeping the content and PII secure
- Anonymous identity and asset verification with authentication
- Post quantum secure messaging, storage, and authentication solutions
- Customized solutions to meet mission requirements that utilize Beskar APIs in concert existing programs and infrastructure
- TS/SCI (with poly) cleared personnel for secure system integration
- Unrivaled combination of researchers and programmers to solve the hard problems where other fail

Differentiators

- Cybersecurity Maturity Model Certification (CMMC) 2.0 ready
- Exceeds NIST 800-217, 800-208, and 800-207 requirements
- FIPS 203 and FIPS 204 compliant
- Mathematically-proven ransomware resistant
- A proprietary implementation of post quantum encryption algorithms and information theoretic security that leverages our own patents PCT/US23/27408 and US 508379931
- Infinitely scalable with the ability to secure, authenticate, and process over a million data transactions per second
- Low bandwidth and power requirements
- Interoperable with existing systems and infrastructure
- No proprietary ecosystems or software platforms
- Decentralized, distributed application architecture
- Geo-redundant by design
- United States based and developed

Beskar Inc.

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Socioeconomic Certifications
Service-Disabled Veteran Owned Small Business

DUNS: 101362456

UEI: SWHUCRTLDT94

NAICS Code: 513210

CAGE Code: 9FTY6

Work Area: Nationwide

Credit Card and Purchase Cards

Past Experience, Certifications, and Partnerships

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.

SABRkey API's

- **CLCKD -** *Post quantum secure, authenticated messaging*
  - o CLCKD is a post quantum secured data in transit architecture with authentication and non-repudiation. This ensures that sending data is safe and secure from classical attacks and the threats posed by quantum computers including harvest-now-decrypt-later attacks.
- **IDENTICO -** *Post quantum secure identification, authentication, and access control*
  - o IDENTICO uses a constantly changing one-time pad - the only proven mathematically unbreakable encryption - to provide continual rekeying and verification with zero-knowledge proofs for each interaction, from logon to file access, to ensure that everything connected to IDENTICO is inherently in a zero-trust environment, all while retaining user privacy and full control of your information.
- **SECURA -** *Post quantum secure data storage at rest*
  - o SECURA is designed to safeguard data at rest utilizing mathematically proven information theoretic security. It also employs distributed file systems, and distributed ledger technology with zero-knowledge proofs to ensure that information cannot be accessed by any unauthorized user, nor can it be maliciously encrypted by a ransomware attacker. The distributed ledger technology being inextricably tied to data storage 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, and for file owners to set individual file usage conditions.
- **PROVISIO -** *Supply chain management and traceability*
  - o PROVISIO provides an immutable supply chain via an API that quickly and irrefutably maps a supply chain from farm to table or mineral to customer, while retaining privacy and protecting the intellectual property of suppliers and customers..
- **HELIX -** *Post quantum secure digital content control and authentication*
  - o HELIX provides a platform for the authentication and control of digital content. Users can verify who created digital content, reducing the likelihood of deepfake or AI manipulated content, while content creators can control access and implement acceptable use controls.
- **SABR-PAXOS -** *Immutable distributed ledger with a decentralized consensus database*
  - o SABR-PAXOS provides the holy grail for state machine replication and decentralized ledger technology - security, scalability, and decentralization... plus speed and low operating costs. SABR-PAXOS is the result of years of peer-reviewed research and development, enabling information to be shared securely, globally, almost instantaneously.
- **COMERCIO -** *Post quantum secure commerce, payments, and verification*
  - o COMERCIO facilitates frictionless commerce through the verification and authentication of payments, transactions, contracts, and endorsements while protecting the sensitive data with post quantum secure encryption.

Why SABRkey

- SABRkey is the only United States based solution that meets NIST Standards for post-quantum encryption while also being able to communicate with and be run on existing computers, hardware, and mobile devices without the need for expensive quantum computing devices.
- SABRkey is particularly well adapted for remote environments, mobile users, and low bandwidth scenarios. SABRkey's energy and processor requirements are low and optimized for use by end-users – if there is an internet connection you can use and access SABRkey.