Voltage security

CORPORATE FACT SHEET

Protecting the World's Most Sensitive Information

Voltage Security®, Inc. is the leading expert in data-centric encryption and tokenization, delivering secure, scalable, and proven data-centric security and key management solutions. We enable our customers to effectively combat new and emerging security threats by leveraging breakthrough encryption and tokenization technologies. Our powerful data protection solutions allow any company to seamlessly secure all types of sensitive corporate and customer information, while efficiently meeting regulatory compliance and privacy requirements.

Key Solution Offerings

Our unique encryption and tokenization technologies provide powerful data-centric solutions for both unstructured and structured data, for businesses large and small, and across industries such as financial services, retail, e-commerce, healthcare, and many more. Whether protecting data within an enterprise data center, as it moves through the cloud, as part of data analytics processes in big data ecosystems, on mobile devices, or to meet regulatory compliance needs, Voltage Security solutions keep sensitive and private data secure while at rest, in use, or in transit.

PCI Compliance and Scope Reduction
Voltage delivers high performance, stateless tokenization and encryption, with broad platform coverage, ease of deployment and implementation, proven PCI audit scope reduction and up to 95% compliance cost savings. Ensures end-to-end protection of ecommerce data for merchants, financial institutions and consumer-transacting businesses.

Data De-identification
Voltage neutralizes data breaches, reduces brand risk, enables secure analytics and lowers cost of compliance by de-identifying sensitive PII and PAN data in production, non-production, and analytic use cases. Renders sensitive data value-less to attackers by de-identifying data through encryption, tokenization, and data masking.

Protecting PII and Personal Health Information
Voltage Security simplifies compliance to privacy regulations and mitigates risk of email security breaches. Turns email into a secure channel for communications while eliminating time-intensive, expensive paper processes.

Key Differentiators

Leading expert in data-centric encryption and tokenization

The world's largest organizations are using Voltage products to protect their most sensitive data and email communication. Voltage products neutralize data breaches, reduce brand risk, and lower cost of compliance. Format-preserving techniques maintain data value and referential integrity (e.g. JOIN operations work on applications spanning disparate databases without database re-architecture).

Proven scalability and broad platform support

With the industry's most comprehensive coverage on open, distributed, and mainframe platforms, Voltage solutions easily integrate with existing IT environments. Stateless key management for on-demand key generation eliminates the complexity of traditional key management. Voltage delivers the highest performing data protection solutions, with scalability to protect the largest deployments.

Advanced security innovations

Voltage Format-Preserving Encryption™ (FPE), Voltage Secure Stateless Tokenization™ (SST), Voltage Page-Integrated Encryption™ (PIE), and Voltage Identity-Based Encryption™ (IBE) provide game changing innovations in encryption, tokenization, online transactions and asymmetric key management, while conforming to the latest industry standards.

Products

Voltage SecureMail™ – the world's most popular email encryption solution, provides policy-based, end-to-end encryption for email and mobile messaging, offering internal, external, and cloud-based deployment models.

Voltage SecureData™ Enterprise – provides complete data protection, PCI scope reduction and enablement of secure analytics, with format-preserving encryption, tokenization, and data masking, and stateless, on-demand key management for securing data as it is captured, processed, and stored across databases, applications, data warehouses, Big Data and cloud environments.

Voltage SecureData Payments™ – delivers complete point-to-point encryption and tokenization for retail credit and debit transactions, enabling PCI scope reduction without the massive IT disruptions traditionally associated with encryption.

Voltage SecureData Web™ – provides seamless end-to-end protection of sensitive data from the user's browser to a trusted payment host. Shields sensitive payment and personal customer data from theft in front-end and intermediate systems.

Unique Cryptographic Innovations

Voltage leverages its proven, standards-based cryptographic innovations, including Voltage IBE, Voltage FPE, Voltage PIE, and Voltage SST, to simplify data protection in real-world applications and to make it easy for people to use protected information. In addition, Voltage Stateless Key Management enables trusted scalability and on-demand key generation without an ever-growing key store headache.

The result is a data protection system that can be infinitely scaled across distributed physical and logical locations with no additional overhead.

Customer Testimonials

"Heartland is developing a complete end-to-end encryption solution designed to protect cardholder data at all stages of a transaction – from card swipe through delivery to the card brands. Together with Voltage, we have developed a comprehensive solution."

Bob Carr
Chairman and CEO
Heartland Payment Systems

"We see secure communications as a mission-critical part of our overall business strategy and a valued service to enable our customers to interact with the bank. With Voltage, our team members, customers, and business partners can interact online in a secure, simple manner."

Steve Ellis
Executive Vice President, Wells Fargo
Wholesale Services Group

"Overall we have been very satisfied and very pleased with the implementations within ACG. Our implementation time was phenomenal. We were able to synchronize all our applications within a 12-13 month period. This was particularly beneficial to enable us to self-assess and become PCI compliant."

Timothy Masey
Director of Enterprise Information Security
AAA - The Auto Club Group

"One essential component of CUNA Mutual's end-to-end data protection initiative is its innovative use of Voltage SecureData, which unites end-to-end encryption, tokenization and masking. We've never looked at security as a standalone function," Sysol noted. "It needs to be woven into every aspect of infrastructure and processes."

Scott Sysol
Vice President of Infrastructure Services &
CISO, CUNA Mutual Group

At-a-Glance

KEY SOLUTION OFFERINGS

- PCI Compliance and Scope Reduction
- Data De-identification
- PII and PHI Protection

PRODUCTS

- Voltage SecureMail
- Voltage SecureData Enterprise
- Voltage SecureData Payments
- Voltage SecureData Web

MAJOR INDUSTRY SEGMENTS SERVED

- Financial Services
- Insurance
- Retail
- Healthcare
- Government

LEADING CUSTOMERS

- SunAmerica Financial Group, Columbia Sportswear, Heartland Payment Systems, JPMorgan Chase, Elavon, HSBC, and leading retail, financial, transportation, health care, and government organizations worldwide

GLOBAL PARTNER ECOSYSTEM

- Leading global system integrators and top tier value-add resellers
- OEM & technology partners including Informatica, Amazon Web Services, PerspecSys, IBM, HP, Xypro, Thales, Cloudera, MapR, and Hortonworks.
- Payment partners for POS, ECR, mobile devices and e-commerce payment platforms, including Ingenico and Infinite Peripherals

KEY DIFFERENTIATORS

- Leading expert in data-centric encryption and tokenization.
- Proven scalability and broad platform support
- Advanced security innovations

CRYPTOGRAPHIC INNOVATION/STANDARDS DEVELOPMENT

- Voltage Identity-Based Encryption (IBE)
- Voltage Format-Preserving Encryption (FPE)
- Voltage Page-Integrated Encryption (PIE)
- Voltage Secure Stateless Tokenization (SST)
- NIST – SP-800-38G standard
- PCI Security Standards Council
- ANSI X9.119, X9.124
- IETF – RFCs 5048, 5049 and 509

CONTACT US

Voltage Security, Inc.
20400 Stevens Creek Boulevard, Suite 500
Cupertino, CA 95014 USA
U.S.: +1 (408) 886-3200
EMEA: +44 (0) 203 468 0559
Partner Inquiries: partner@voltage.com
Contact us:
http://www.voltage.com/company/contact-us/web-inquiry/

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