

Voltage Security Corporate Solution Brief

Voltage Enterprise Security Solutions

The business of data is changing, because the business itself is changing. The growth in the amount and type of information, and how it is used, demands new data protection solutions that are comprehensive across all data types, and enables the trusted use and movement of data across Cloud, Big Data and mobile environments.

Whether protecting data as it moves through the Cloud, as it is accessed and used on a mobile device, as part of data analytics processes, or within an enterprise data center, our solutions deliver the required level of protection to keep data secure and mitigate the risk of a data loss.

A data protection strategy requires data to truly be protected and be rendered useless against any security threat or vulnerability. Only when this happens can data be securely used and moved, without introducing new risks or compliance violations. Voltage Security delivers solutions that enable you to secure the movement and use of data across the enterprise, with a single data protection framework that protects data as it moves into and throughout the Cloud, as it is used on mobile devices, and across Big Data environments, in any industry.

Voltage's enterprise security solutions provide a single data protection framework to comprehensively secure any sensitive data across the entire data life-cycle. This allows any company to leverage scalable and proven data protection solutions that seamlessly protect all the key data that is critically linked to every facet of their business.

“A modern security program requires a balanced approach to protection. Programs mired in traditional attitudes, strategy and tactics need to be replaced.”

– *Reset a Security Program That Does Not Work*,
Gartner,
January 13, 2013



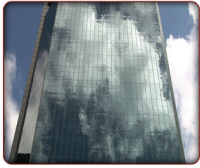
Voltage Enterprise Mobile Data Security

Voltage enterprise mobile data security solutions protect sensitive data as it is accessed, moved, stored and used across mobile devices. Voltage's data-centric approach enables employees and customers to communicate and transact securely across a mobile device, ensuring sensitive data can be accessible and usable across a mobile platform while remaining protected against the risk of breach or loss.



Voltage Enterprise Security for Big Data

Voltage enterprise security for Big Data solutions protect structured and unstructured data within Hadoop environments to allow secure analytics, computation and processing on protected data. Voltage ensures that any sensitive data that needs to be analyzed can remain protected across the entire data life-cycle, and that Big Data initiatives can remain in compliance with data security, privacy and data residency regulations.



Voltage Enterprise Cloud Security

Voltage enterprise Cloud security solutions delivers the comprehensive data protection needed to protect any data before it enters, and as it moves, throughout the Cloud. Voltage ensures that data protection is applied to sensitive information at the point of creation, before it moves out of the enterprise or is entering the Cloud. Voltage's data-centric solution provides the necessary levels of data protection, and enables the business to capture the efficiencies and cost savings by moving into the Cloud.

Data-centric protection extends privacy controls to sensitive data in two key Cloud paradigms:

- Software as a Service (SaaS): Voltage data-centric solutions can selectively protect data on the field and subfield level to keep sensitive data out of the Cloud while enabling Cloud applications to operate.
- Custom Cloud applications (IaaS/PaaS): Voltage key management and encryption services can be used by Cloud-hosted custom application to control where and how data is exposed within the application architecture.



Voltage Enterprise Security for Financial Services

Voltage enterprise security solutions for financial services secure the storage, transit and use of corporate and personal financial data across business applications, including online banking and electronic communications of sensitive information and documents. Voltage enables financial services companies to securely transact with customers and employees, while remaining in compliance with complex international data security, privacy and data residency regulations.



Voltage Enterprise Security for Regulatory Compliance

Voltage enterprise security for regulatory compliance solutions deliver a single data protection framework to help companies comply with multiple regulations, including PCI DSS, HIPAA, HITECH, ARRA, ISO and state data privacy standards. Voltage ensures that the data protection elements to meet regulatory compliance are addressed, while allowing organizations to securely use and move data to meet their business objectives.

Voltage delivers regulatory compliance solutions to address:

- Payment Card Industry Data Security Standard (PCI DSS)
- HIPAA / HITECH / ARRA
- U.S. States privacy regulations

Voltage Security Product Portfolio

Businesses requires that data is available to customers, partners, and employees, and a data security strategy must deliver end-to-end protection, while enabling the business to access and use data when and how it is needed. Voltage Security's data protection products ensures that sensitive and regulated data, including customer, financial, employee and partner data remains protected anywhere it moves, anywhere it resides, and however it is used.

Voltage SecureMail

Voltage SecureMail provides end-to-end security for email and attachments, inside the enterprise to the desktop, at the enterprise gateway, and across leading mobile smartphones and tablets. The solution simplifies compliance to privacy regulations and mitigates the risk of email security breaches, and provides the confidence and peace of mind that sensitive data is protected in transit and in storage, wherever it is in an email system to any inbox without disrupting existing email services or business processes.

Voltage SecureData Enterprise

Voltage SecureData Enterprise provides a comprehensive approach to enterprise data protection. It secures the entire lifecycle of sensitive, extending data protection beyond organizational borders, enabling protection of data shared with partners, suppliers, and outsourcers. It is the only comprehensive data protection framework that secures data as it is captured, processed, and stored across a variety of devices, operating systems, databases, and applications used by enterprises, merchants, and service providers.

Voltage SecureData Payments

Voltage SecureData Payments provides complete point-to-point encryption (P2PE) for retail payment transactions, and with tokenization from Voltage SecureData Enterprise, enables PCI scope reduction without the massive IT disruptions traditionally associated with encryption.

Voltage SecureData Web

Voltage SecureData Web protects payment data captured at the browser, from the point the customer enters their cardholder information or personal data, and keeps it protected all the way through the web tier, the application tier, Cloud infrastructure, and upstream IT systems and networks to the trusted host destination. This shields data from theft in all intermediate systems in merchants or enterprises, reducing risk to data and enables full end to end data protection.

Voltage SecureFile

Voltage SecureFile provides information encryption to protect files and documents used by individuals and groups whether those files are on the desktop, network share, or collaboration portal. Voltage SecureFile is easy to use with any file, irrespective of its location or path.

Technology Innovations

Voltage leverages its cryptographic innovations including Voltage Identity-Based Encryption (IBE), Voltage Format-Preserving Encryption (FPE), Voltage Page-Integrated Encryption (PIE), and Voltage Secure Stateless Tokenization (SST) to simplify protecting data in real-world applications and making it easy for people to use encrypted information. In addition, Stateless Key Management enables on-demand key generation and re-generation without an ever-growing key store. The result is an enterprise data security system that can be infinitely scaled across distributed physical and logical locations with no additional overhead.

Voltage Format-Preserving Encryption

Voltage Format-Preserving Encryption (FPE) is a fundamentally new approach to encrypting structured data, such as credit card or Social Security numbers. FPE makes it possible to integrate data-level encryption into legacy business application frameworks that were previously difficult or impossible to address.

Voltage Identity-Based Encryption

Voltage Identity-Based Encryption (IBE) uses well-known identifiers, such as email addresses, as public keys, enabling security policies to be encoded directly into encryption and authentication methods. This simplifies encryption key management, and eliminates the need for cumbersome certificates and Certification Authorities.

Voltage Secure Stateless Tokenization

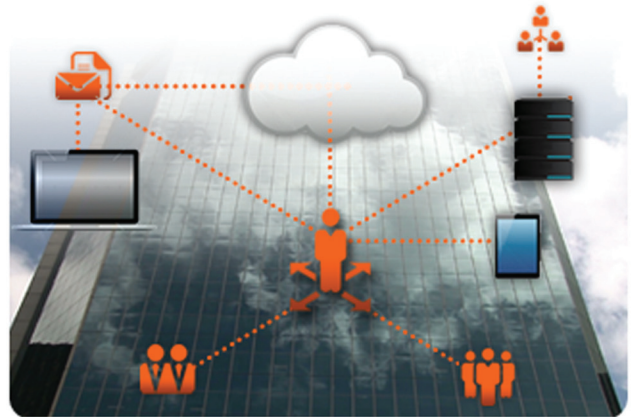
Voltage Secure Stateless Tokenization (SST) eliminates the token storage database altogether, and removes the need for storage of cardholder or other sensitive data from any application. The stateless architecture dramatically improves speed, scalability, security and manageability of tokens over other database-centric tokenization solutions.

Voltage Stateless Key Management

Voltage Stateless Key Management enables on-demand key generation and re-generation without an ever-growing key store. Stateless key management enables infinite scalability of data encryption solutions across distributed physical and logical locations, with no additional key management overhead.

Voltage Page-Integrated Encryption

Voltage Page-Integrated Encryption (PIE) encrypts sensitive user data in the browser, and allows that data to travel encrypted through intermediate application tiers. Unlike traditional TLS/SSL encryption, this keeps user data private as it travels through load balancers and web application stacks, only decrypting that data when it reaches secured inner host systems.



Voltage's technology innovations provide a single data protection framework to comprehensively secure any sensitive enterprise data across the entire data life-cycle.

Key Benefits

Single protection framework

Voltage provides a single data protection framework to secure all enterprise data, enabling consistent protection across applications and devices and into the Cloud. Voltage eliminates the challenges of encryption and key management silos, and ensures centralized control over data.

Maximum return on information

Voltage delivers the most comprehensive privacy and security coverage, ensuring the greatest extent of protection for all data sources and use cases at the lowest cost of ownership, across any data type, within on-premise and Cloud environments, production and test systems, and front-office and back-office applications.

Extensible and adaptable across any environment

Voltage solutions are designed to seamlessly integrate with existing IT systems, and Voltage's patented technologies enable data-centric security with minimal impact to current business processes.

Rapid implementation and massively scalable

Voltage's stateless architecture design allows for rapid implementation within any IT environment, and unprecedented scale by eliminating the traditional complexities of key and certificate management.

Conclusion

Voltage Security delivers a secure, scalable and proven data protection solution that seamlessly protects all the key data that is critically linked to every facet of the business. Leveraging breakthrough encryption technologies, our powerful data protection solutions allow any company to seamlessly secure all types of sensitive data. Whether protecting data as it moves through the Cloud, as it is accessed and used on a mobile device, as part of data analytics processes, or within an enterprise datacenter, our solutions deliver the required level of protection to keep data secure and mitigate the risk of a data loss.

About Voltage Security

Voltage Security®, Inc. is the leading data protection provider, delivering secure, scalable, and proven data-centric encryption and key management solutions, enabling our customers to effectively combat new and emerging security threats. Leveraging breakthrough encryption technologies, our powerful data protection solutions allow any company to seamlessly secure all types of sensitive corporate and customer information, wherever it resides, while efficiently meeting regulatory compliance and privacy requirements.

For more information, please visit www.voltage.com.