

Communicate Securely with Your Customers and Partners

Voltage SecureMail™ provides persistent data-centric protection for sensitive and confidential data inside email and file attachments, both inside and outside the enterprise, across desktops, gateways, applications, and mobile devices – with industry-leading manageability, usability, scalability, and low cost of operations.

Simple, native user experience – just like regular email – with a single, consistent message format and push delivery model for all use cases. Despite email encryption functions built in to clients and servers, the complexities of key management and usability issues mean market adoption has never been successful. Voltage SecureMail is built on standards-based unique Identity-based Encryption (IBE) technology that overcomes these technical and business challenges – enabling secure email to be both easy to use, manage, and highly scalable, while enabling the most advanced use cases. Voltage SecureMail is available on-premises, as a cloud service, or hybrid solution – with true key separation and enterprise control.

Compliance Made Easy

Voltage SecureMail helps organizations achieve and maintain regulatory compliance and enforce best practices for email data protection, wherever it may travel, without disrupting existing email services or business processes. While providing all the protection demanded by security-minded firms in the current regulatory environment, Voltage SecureMail also enables you to send and receive secure email messages and attachments just like regular email. Voltage's push-based, single message format works with any email inbox, operating system, and device: PC, Mac, laptop, and mobile (iOS, Android, Blackberry). This eliminates the complexity associated with conventional email encryption solutions—which require multiple message formats, delivery mechanisms, and extensive key management (e.g., web-based mail systems that fragment the communications channel). And, because it is so easy to use, Voltage SecureMail ensures quick and comprehensive user adoption, no matter the deployment model: gateway policy engine, client software, clientless, or any combination thereof.

Lowest Cost Solution

Stateless Key Management means no keys to store, replicate, backup or archive, reduced administration, and reduced infrastructure. Identity-based Encryption significantly lowers operational costs – with as much as an 80% reduction in overall infrastructure compared to competing solutions. With Voltage Identity-Based Encryption™ (IBE), key management is fully automated, so the system requires very little administrative attention. By relying on an infrastructure that never stores either email messages or keys, storage costs—and especially costly operational overhead—are avoided. In combination with high usability and low support costs, Voltage SecureMail delivers the lowest TCO in the industry.

Highlights

- Streamlined, stateless key management offers 75% reduction in infrastructure and 60-80% lower cost of operations
- Keys generated on-the-fly – no keys to store and manage – true enterprise scalability for multi-national organizations
- Simple, native user experience – just like regular email – with a single, consistent message format and push delivery model for all use cases
- Well suited for large, multi-national enterprises that demand sophisticated functionality, flexibility, and customization for the most advanced use cases

End-to-end Data Protection for All Use Cases

Voltage SecureMail supports end-to-end encryption with the deployment of plug-in software into Microsoft Outlook (internal-to-internal and internal-to-external). Data-centric encryption ensures full protection of sensitive information in your email and file attachments, without security gaps where email is in the clear. Voltage SecureMail effectively mitigates the risk of email security breaches by providing end-to-end security, across desktops, gateway, business applications, and mobile devices. Voltage data-centric protection is superior to solutions that are gateway only or rely on a combination of technologies that force organizations to split messages, breaking the chain of security.

Global Enterprise Scalability for Multi-National Organizations

One of the major advantages of the Voltage Identity-Based Encryption is its simplicity with regard to scalability. No keys or messages are ever stored, providing a streamlined infrastructure that scales in a linear fashion, eliminating the operational barriers traditionally associated with key management. The linear scalability of Voltage SecureMail ensures that there are no limitations with respect to internal users, external users, the number of messages, or the size of messages. Because Voltage SecureMail is not bound by the storage of cryptographic (key) or message data, it scales at a much lower cost when compared to competing solutions. Since keys are generated dynamically instead of requiring complicated key storage and management, Voltage SecureMail is proven to scale across global enterprises with millions of internal and external users –without compromising critical business processes such as e-discovery and line of business operations.

Simple, Native User Experience Across All Endpoints

Senders and receivers benefit from a simple user experience that makes secure messaging as easy and familiar as standard email communication. Encrypted communications can be sent to anyone on an ad-hoc basis — inside or outside the organization. Unlike clunky webmail solutions that create a second mailbox where users do not have access to their existing contacts and that force users to switch contexts, Voltage encrypted email is sent directly into the recipient's existing inbox (e.g., Microsoft Outlook, Gmail, Yahoo Mail, etc.) Senders simply need to know the recipient's email address. Unlike legacy PKI, no pre-enrollment is required. A single message format is pushed and used consistently across external and internal messaging and endpoints.

Tight Integration with Existing Enterprise Infrastructure and Investments

Voltage SecureMail can seamlessly integrate with essential security components such as anti-virus, anti-spam, and content filtering products, to produce a comprehensive email security solution. Voltage SecureMail provides the unique capability to perform on-the-fly decryption and re-encryption to integrate with existing content hygiene and filtering services. Voltage SecureMail also integrates with existing archiving systems and eDiscovery business processes. Because Voltage uses IBE, there is no need for complicated ADKs (Alternate Decryption Keys) required by legacy PKI and OpenPGP systems. Voltage SecureMail also integrates with Active Directory and identity and access management systems for authentication, Blackberry Enterprise Server and mobile device management (MDM) for mobile users and use cases, and business applications and websites (e.g., ERP, CRM) that rely on email to drive business processes.

Voltage SecureMail Architecture

Voltage SecureMail can be deployed to satisfy the requirements of companies that want to secure communications without deploying any client software, as well as those that prefer a completely secure end-to-end channel that extends all the way to the user's desktop. Server components can be deployed on a single hardened appliance, or distributed to meet scale and availability requirements. In addition, Voltage SecureMail can simultaneously support diverse brand and policy requirements from a shared infrastructure, and includes robust centralized management, logging, and reporting, to ensure quick deployment and ongoing operational success. Integration with existing authentication technologies, as well as robust out-of-the-box options, ensures that security policies can be met.

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.

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