

Data Security Offerings for Government



Providing Full Data Protection

Micro Focus® Data Security is a technology leader in data-centric security and encryption solutions for government. With over 80 patents and 51 years of expertise, we protect government institutions the world over and neutralize breach impact by securing sensitive data-at-rest, in-use, and in-motion. Our solutions provide advanced encryption, tokenization, and key management that protect sensitive data across enterprise applications, data processing infrastructure, cloud, payment ecosystems, mission-critical transactions, storage, and Big Data platforms. Micro Focus Data Security solves government challenges of simplifying the protection of sensitive data in even the most complex data security use cases.

Use Cases

Compliance and Scope Reduction

Our solutions enable public sector customers to take advantage of FIPS-validated technology when building compliance programs for regulations such as the Cybersecurity Act of 2015, Department of Defense Federal Acquisition Regulations for Controlled Unclassified Information (DFARS CUI), Health Insurance Portability and Accountability Act (HIPAA) and the General Data Protection Regulations (GDPR).

Micro Focus Voltage SecureData—Reduce compliance costs with point-to-point encryption (P2PE). Combines Micro Focus Voltage Secure Stateless Tokenization (SST)

What We Do

Provide data-centric encryption, tokenization, and key management solutions:

- Compliance and scope reduction
- Data de-identification and privacy
- Collaboration security

How We Help Customers

- Data-centric security: applies security to the data, not just to the storage locations
- Simplify the protection of sensitive data for the most complex use cases
- FIPS validated solutions and NIST standardized technologies

Advanced Security Innovations

We help protect sensitive data before it gets into the wrong hands. Data remains inaccessible and free from unauthorized eyes by safeguarding it throughout its entire lifecycle—at rest, in motion, in use—across the cloud, on-premise, in transit, and through mobile environments with continuous protection.



with Micro Focus Voltage Page-Integrated Encryption (PIE) for complete data protection. FIPS 140-2 validation of Micro Focus Voltage Format-Preserving Encryption (FPE).

Voltage Atalla HSMs—Payments applications, EMV, debit, mobile, customizations and compliance in FIPS 140-2, level 3 appliances, and full integration with Voltage SecureData.

Data De-Identification and Privacy

Voltage SecureData: SecureData has achieved the industry's first Federal Information Processing Standard (FIPS) 140-2 validation of FPE. SecureData with Hyper FPE "de-identifies" sensitive personally identifiable information (PII) such as social security numbers (SSN), and other high value data, rendering it useless to attackers in the event of a security breach. This allows government agencies to securely leverage the de-identified data for big-data analytics, and collaborate with shared data between other agencies or contractors.

Atalla Enterprise Secure

Key Manager—A FIPS 140-2 and Common Criteria EAL2+ certified secure server, storage infrastructure and cloud environments with OASIS KMIP interoperability and enterprise key management against losses, mishandling, administrative and operational attacks.

Voltage SecureMail—Email security without PKI complexity using Voltage Identity-Based Encryption (IBE); protect sensitive PII and PHI throughout the enterprise and cloud.

Solutions

Voltage SecureData Enterprise

Protects sensitive data end-to-end, from moment of capture across information lifecycle

Atalla Hardware Security Module (HSM)

Leading payments security appliance—also known as an Atalla Network Security Processor (NSP)

Atalla Enterprise Secure Key Manager, Voltage Stateless Key Management

Complete key management support from infrastructure to the application level

Voltage SecureData Payments

Provides point-to-point encryption and tokenization for payment data protection from swipe through to the payment processor

Voltage SecureData Mobile

Protects data in motion captured on mobile end-points

Voltage SecureData Web

Leverages unique Micro Focus Page-Integrated Encryption to secure sensitive browser data

Voltage SecureData for Hadoop

Enables protection of sensitive data in use with Hadoop and Big Data technologies

Voltage SecureData for Cloud

Protecting data before it enters, as it moves, throughout the cloud

Voltage SecureMail

Policy-based enterprise-wide email encryption for employees, customers, and mobile users

Product Benefits

Voltage SecureData Enterprise

- Layer data-centric security into decades old legacy systems and applications.
- Protect all kinds of structured high value data: personally identifiable information (PII), personal health information (PHI) or Classified data types.
- Expand access to de-identified data, drive big data analytics.
- Enable agencies to share data (data portability), improve citizen services and collaborate with other agencies and contractors.
- Adopt innovations such as cloud, Hadoop and IoT.

Cryptography Innovations, Government and Industry Standards

As one of the U.S. government's largest cybersecurity providers, Micro Focus Security products not only support government standards, but also help define them

- Voltage IBE—IEEE 1363.3
- National Institute of Standards and Technology Special Publication (NIST SP) 800-38G FPE standard
- Voltage Page-Integrated Encryption (PIE)
- Voltage Secure Stateless Tokenization (SST)
- IETF 5408, 5409, and 5091
- PCI Security Standards Council
- ANSI X9.119, X9.124
- FIPS 140-2 Compliance
- Common Criteria EAL2+ certified
- HIPAA/HITECH

Combined Data Security and Encryption Solutions

- Our combined solutions are built on 51 years of innovation, delivering advanced information protection of sensitive data under a data-centric security vision
- Our solutions provide continuous protection through data classification, data encryption, and key management, offering flexibility, reliability, and manageability
- We solve the challenge of simplifying the protection of sensitive government data in even the most complex data security use cases

- Address specific requirements in legislation such as Cybersecurity Act of 2015, DFARS CUI, GDPR or HIPAA.
- FIPS validated solution and NIST standardized technology.

Atalla Hardware Security Modules

- Meets the highest government and financial industry standards
- Mitigates risk, enforces controls
- Scales easily as customer's data security systems grow
- Provides secure, high-performance financial transaction processing
- Enables superior remote management and key protection

Atalla Enterprise Secure Key Manager

- Meets strong security standards—FIPS 140-2 and Common Criteria EAL2+
- Achieves automated policy and audit regulatory controls for safe harbor rules
- Compliant certified for open standards and interoperability for OASIS KMIP
- Ensures auditable security to meet compliance
- Enables robust key management scalability

Voltage SecureData Payments

- Protects credit card data-at-rest and in transit within the cardholder data environment
- Reduces PCI scope without impacting business processes and workflows
- Provides complete point-to-point encryption (P2PE) and tokenization for retail payment transactions

Voltage SecureData Mobile

- Provides compliance and scope reduction
- Enables PII and PHI compliance
- Protect sensitive data at every level of

the omni-channel and unified commerce experience

- Developer friendly—simple, native libraries, easy to incorporate into iOS and Android apps
- Protects data in motion captured on mobile end-points

Voltage SecureData Web

- Protects sensitive browser form data at capture using Micro Focus PIE technology
- Protects data, e.g., payment or personal data, end-to-end, through web and cloud systems to trusted host destinations
- Helps merchants reduce Payment Card Industry Data Security Standard (PCI DSS) scope by reducing live data exposure in web applications

Voltage SecureData for Hadoop

- Protects data as close to its source as possible
- Supports data encryption, tokenization, and data masking protection techniques
- Ensures data is usable for most applications in its de-identified state
- Re-identifies data securely when required—strictly for authorized users and applications
- Achieves high performance, high scalability appropriate for Hadoop speeds

Voltage SecureData Cloud

- Protect data at field level; enabling business process and cross-cloud analytics on protected data
- Control keys independently of cloud to separate physical data location
- Enables simpler compliance to PCI DSS, HITECH, EU Privacy, cross border data exchanges privacy regulations
- Reduces audit-creep due to different cloud tools with incomplete protection data control

Major Industry Segments Served

- Government
- Healthcare
- Financial services
- Insurance
- Retail
- Transportation
- Teleco

The Micro Focus Data Security Difference

- One of the U.S. government's largest cybersecurity providers
- Standards-based: ANSI, NIST, IEEE, KMIP
- Well supported and widely proven
- Widest variety of use cases
- Breadth of platforms

Micro Focus Data Security Provides Full Data Protection



**PCI/compliance/
scope reduction**

Collaboration security
for users, cloud apps, and data
interactions

Data De-Identification and Privacy

Voltage SecureMail

- Provides a single solution for desktop, cloud, and mobile
- Enables data-centric protection for email and attachments
- Leverages stateless key management using standards-based Voltage IBE
- Allows flexible deployment options on-premise, in the cloud, or hybrid deployments
- Enhances security for Office 365 cloud-based environments

Micro Focus Data Security

Call 1-877-686-9637 to speak with a sales specialist.

Micro Focus Data Security is a leader in data-centric security safeguarding data throughout its entire lifecycle—at-rest, in-motion, in-use—across the cloud, on-premise and mobile environments with continuous protection.

Learn More At

voltage.com
microfocus.com/software/datasecurity

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