

# Securing Sensitive Data

Micro Focus® Voltage SecureData Transparent Data Protection for HPE NonStop

## Highlights of Voltage SecureData Hyper Performance Encryption and Tokenization

- + Hyper FPE is the next-generation high-performance FPE for virtually unlimited data types.
- + Sensitive data is protected with the world's first FIPS-validated, NIST-Standard FF1 AES encryption in the market, pioneered by Micro Focus
- + Designed with performance and scalability to meet the requirements of today's data lakes and the Internet of Things (IoT) ecosystems
- + Hyper SST is the next-generation high-performance tokenization that is ANSI X9.119 standards-compliant.
- + It supports the encryption and pseudonymization guidance in the new GDPR legislation for the European Union (EU) and enables data privacy compliance to the GDPR regulation

## XYPRO XDP Engineered with Voltage SecureData Enterprise on HPE NonStop

Voltage SecureData Transparent Data Protection for NonStop is XYPRO's XYGATE Data Protection (XDP)—engineered and deeply integrated with Voltage SecureData Enterprise to add new high value data protection features and benefits for the NonStop customer community.

Voltage SecureData Transparent Data Protection for NonStop delivers nonwaited/non-blocking encryption and tokenization with high performance, standards-recognized Hyper Format-Preserving Encryption (FPE) and Hyper Secure Stateless Tokenization (SST) engineered in a deep and seamless integration for data-centric protection that is easy to configure, install, use, and maintain.

## Data-Centric Protection with Hyper Performance

With zero change to applications, NonStop customers can implement Voltage Hyper SST that is standards-compliant with ANSI X9.119, with game-changing Hyper SST scalability and performance.

Now, NonStop customers can obtain the advantage of the only Federal Information Processing Standard (FIPS)-validated National Institute of Standards and Technology (NIST)-recognized Advanced Encryption Standard (AES) FF1 encryption available in the market today, for data-centric encryption with the capability to protect virtually unlimited sensitive data types and variable length strings. At the board level, multinational enterprises are now committed to compliance with the most stringent data privacy regulations such

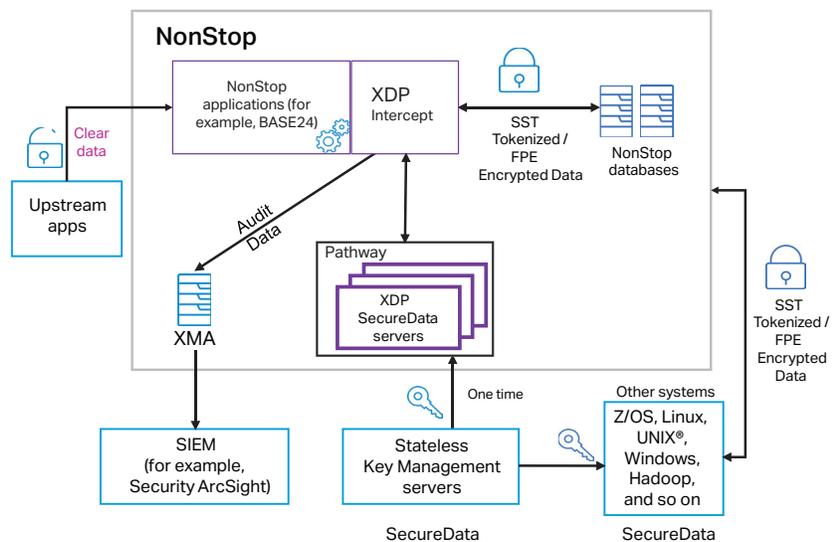


Figure 1. NonStop Applications

as the General Data Protection Regulation (GDPR), as well as Health Insurance Portability and Accountability Act (HIPAA), Gramm-Leach-Bliley Act (GLBA), and a host of other regulations.

### Streamline Data Protection and Reduce Management Complexity

The integrated Voltage SecureData with Atalla Hardware Security Module (HSM) provides secure root of trust. Voltage Stateless Key Management delivers keys on the fly and reduces IT costs, delivering performance and scale proven in implementations of data lakes and IoT use cases.

### Unifying Solution, Enterprise Wide

NonStop customers can obtain these capabilities and more—not only on NonStop but also on virtually every platform in the world, policy-controlled in this unifying solution delivered enterprise wide.

Supported platforms include Windows, HP-UX, NonStop, Microsoft Azure, Amazon Web Services (AWS), Solaris, Stratus VOS, IBM System z and AIX, Linux (Red Hat, SUSE, CentOS), Teradata, Vertica, and Hadoop (certified to current release levels for Cloudera, Hortonworks, MapR, and IBM BigInsights).

### Transparent Data Protection on NonStop

Voltage SecureData Transparent Data Protection for NonStop also supports the OS personalities and executable types of NonStop, and adds multiple language support, distributed architecture, and packaged functionality to provide customers the assurance of high availability, high reliability, and disaster recovery capabilities to match the high bar set by NonStop.

### Voltage SecureData Transparent Data Protection for NonStop

#### Xypro XDP Engineered With Voltage Securedata for Nonstop

- Highest performance FPE/SST data protection implementation on NonStop, with no application changes
- Integrated with Voltage SecureData Enterprise framework with Stateless Key Management

- Easy to install, configure, deploy
- Supports the OS personalities and executable types of NonStop (that is, code 100, 800, 500)
- Supports nowaited/nonblocking encryption/tokenization
- Comprehensive language support: C, TAL, COBOL, and Java
- Distributed architecture for fault-tolerance, parallelism, and scalability
- Built-in access control and auditing

### GDPR—New Multinational Data Protection Law

European Commission is modernizing data protection legislation by replacing the EU Data Protection Directive 95/46/EC with the GDPR, which will be directly applicable in all EU member states. GDPR pushes the EU into a new era of data privacy, compliance, and enforcement in 2018.

Any enterprise in the EU needs to revisit the meaning of personal data due to GDPR's expanded definition of personal data. New expanded data includes name, location data, online ID, genetic factors, and so on. When an enterprise collects sensitive data, personally identifiable information (PII), Payment Card Industry (PCI), or protected health information (PHI), it must secure and protect that data.

Enterprises face significant financial penalties for noncompliance. Voltage SecureData enables de-identification and privacy protection for sensitive data, in production and nonproduction, including PII, PHI, and PCI, throughout the enterprise, and provides end-to-end data-centric security. Hyper FPE delivers strong and flexible encryption to protect

### About Voltage Secure Data

Voltage SecureData drives leadership in data-centric security and encryption solutions. With over 80 patents and 51 years of expertise, we protect some of the world's largest brands, enable regulatory compliance, and neutralize breach impact by securing sensitive data at rest, in motion, and in use. Our solutions provide advanced encryption, tokenization, and key management that protect sensitive data across enterprise applications, data processing IT, cloud, payments ecosystems,

Contact us at:  
[www.microfocus.com](http://www.microfocus.com)

mission-critical transactions, storage, and Big Data platforms. Voltage SecureData solves one of the industry's biggest challenges: how to simplify the protection of sensitive data in even the most complex use cases.

Learn More At  
[www.microfocus.com/securedata](http://www.microfocus.com/securedata)