

HPE SecureData Sandbox

HPE Security-Data Security



Business Benefits

Easily accessed virtual machine

- Deployment and configuration time reduced to a few minutes
- Copy-paste code from tutorial code snippets, sample code, and sample data sets
- Prepackaged Eclipse project that enables local build and remote debugging and execution

Scenario focused tutorials

- Show how HPE FPE, HPE eFPE, HPE IBSE and HPE SST work in realistic use-cases
- Column protection in files
- Securing data in database columns
- Data protection and de-identification



Challenge

With the accelerating frequency of data breaches, and the over-arching need to meet compliance regulations, it is imperative for organizations to efficiently evaluate solutions before the internal procurement process. HPE SecureData Sandbox provides an easy, step-by-step way for security architects and developers to "roll up their sleeves" and experience data-centric security. HPE SecureData Sandbox is ideal for organizations looking to gain valued insight into our data-centric solution without disrupting operations or installing new systems or hardware.

The Solution-HPE SecureData Sandbox

The solution includes market-leading HPE Format-Preserving Encryption, HPE Secure Stateless Tokenization, HPE Stateless Key Management, and data masking that secure the entire lifecycle of sensitive data as it moves through the enterprise and beyond. It also extends data protection beyond organizational borders, enabling the protection of data shared with partners, suppliers, and outsourcers.

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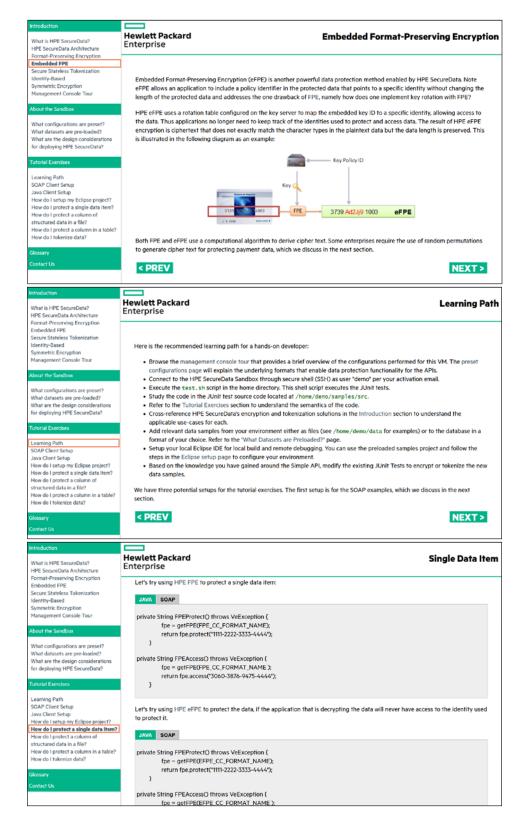


Figure 1. What's in the HPE SecureData Sandbox?

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What is it?

HPE SecureData Sandbox is a self-contained, virtual, portable environment that consists of a full complement of the HPE SecureData appliance and affiliated APIs. The HPE SecureData Sandbox is a complete trial with preconfigured data format types, integrated key management, tutorials, videos, and sample code. You simply register and get started.

About HPE SecureData

HPE SecureData is a complete framework including integrated key management, interfaces to enterprise systems for authentication and authorization, compatibility with event logging and SIEM systems, and a rich set of developer APIs across all leading enterprise application operating systems and development environments.

HPE SecureData provides data protection for structured and unstructured data at the field level through:

- HPE Secure Stateless Tokenization (SST), which protects fields such as credit cards or Social Security numbers using tokenization without the complexity of managing token databases, while reducing PCI DSS scope.
- HPE Format-Preserving Encryption (FPE) based on AES-FF1 mode per NIST draft standard SP800-38G, which protects data fields or sub-fields while preserving format under policy control.
- HPE Embedded Format-Preserving Encryption (eFPE) which protects data fields or sub-fields using FPE with policy information encapsulated in the encrypted data field to enable data to "self describe" its protection policy to applications.
- HPE Identity-Based Symmetric Encryption (IBSE) which protects bulk data using traditional AES in CBC mode per FIPS 197 to secure files or fields with traditional block ciphers.

HPE SecureData Use Cases

- Protection of data in live applications and databases for short time-to-success privacy compliance and data breach risk reduction using encryption and tokenization.
- Protection of data in test and development environments—creating test data sets from live data, which inherits the properties of the live data without exposing it.
- Protecting data in payments transactions for PCI Scope reduction. HPE SecureData can be extended to devices, smartphones, and browser applications with additional add-ons.
- Protecting data in cloud applications, enabling hybrid cloud deployments or all-cloud applications for SaaS, PaaS, and laaS without increasing risk, data exposure, or introducing data residency risks for data moving to, processed in, or stored inside cloud ecosystems.

How do I access the HPE SecureData Sandbox?

Access is quick and easy. Reach out to your local HPE Security Voltage sales representative, sales engineer, or visit https://www.voltage.com/products/

https://www.voltage.com/products/datasecurity/hp-securedata-sandbox/

Data sheet



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