



DSM Accelerator

DSM Accelerator allows you to deploy apps with high transaction volumes anywhere without encryption latency or security concerns.



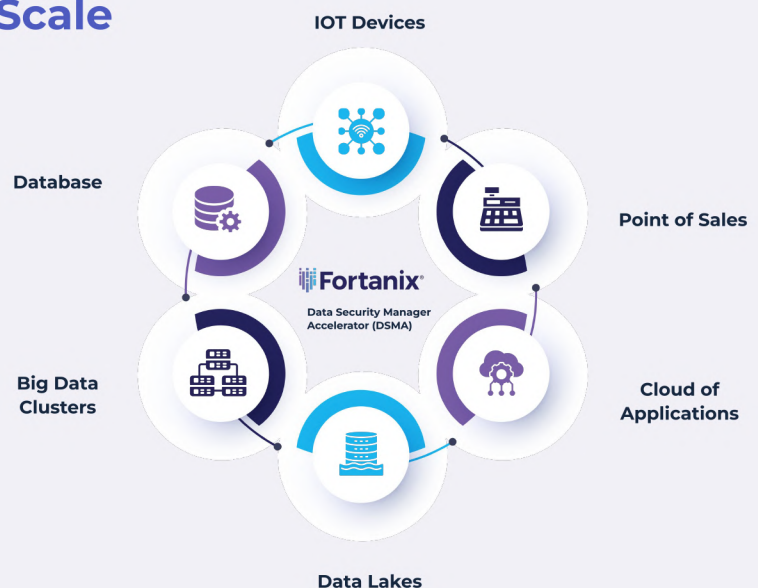
Overview

Industries like banking, finance, and retail see an exponential growth of endpoints that handle sensitive data, including IoT devices, wireless devices, and on-premises or cloud apps.

Securing these apps requires high-throughput data encryption/decryption solutions. Organizations want to choose the best platform to host their apps without complicating their cryptographic footprint. However, app performance highly depends on the network latency between the app and the encryption key manager.

Fortanix for Fast Encryption at Scale

DSM Accelerator lets organizations deploy latency and security-sensitive apps anywhere without compromising on performance, ease of use, or security. DSM Accelerator deploys as a simple container local to the app, while all encryption keys remain securely stored on Fortanix Data Security Manager. Extend the Confidential Computing protections of the Fortanix platform by deploying on AWS Nitro Enclaves ensuring your secrets are always encrypted, even while in use.



Benefits



Secure and Fast Data Transactions at Scale

The DSM Accelerator enables high throughput cryptographic transactions. The highly secure and scalable Fortanix platform protects your keys with Confidential Computing.



Ease of Integration

Quickly deploy DSM Accelerator close to existing applications. Supports a variety of interfaces like JCE, PKCS#11, or REST API.



Highly Secure

Extend the Confidential Computing protections you already have on the Fortanix platform and deploy DSM Accelerator on AWS Nitro Enclaves for end-to-end data-in-use protection.



Accelerate any App, Anywhere

DSM Accelerator is app and platform-agnostic by design. Don't let security or latency concerns dictate where you run your apps.

Key Features

- ✓ Locally cache keys to eliminate latency for high-volume encryption/decryption
- ✓ Form Types: Web Services, JCE, PKCS#11, Android SDK
- ✓ Controlled by Data Security Manager (DSM) SaaS or virtual/physical appliance
- ✓ Consume as Docker container, library, or as a server-less service (AWS Lambda)

DSM Accelerator Architecture

