

Data Encryption Platform

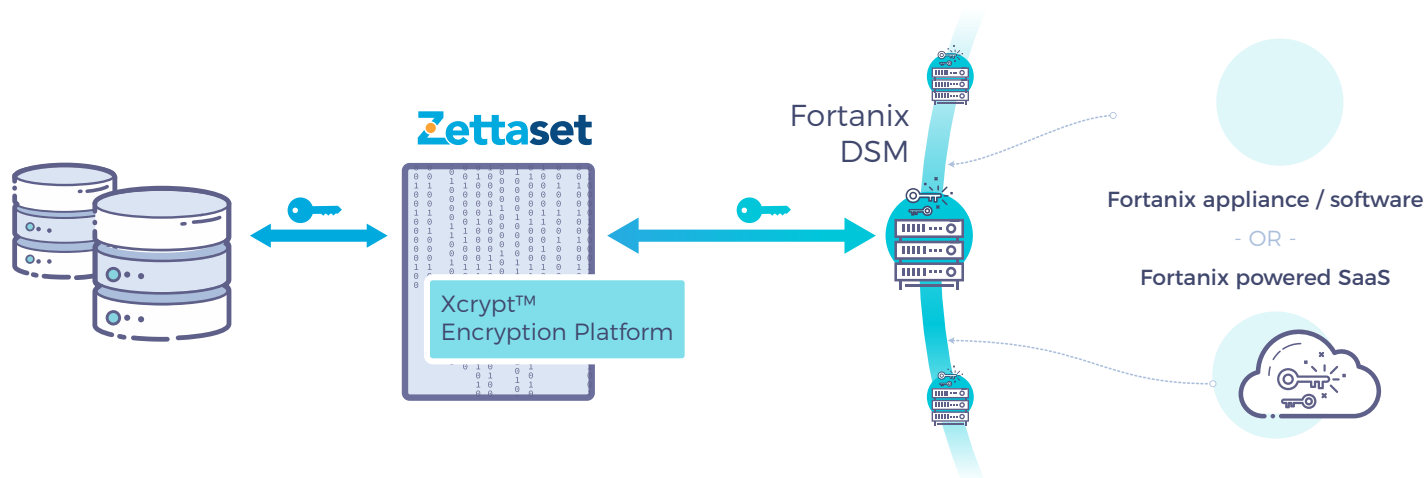
Fortanix DSM + Zettaset XCrypt™ Data Encryption Platform

Market need

Security breaches are on the rise and new government mandates, like GDPR, require that organizations keep customer information secure and confidential at all times. Encrypting all data while at rest, in motion, and in use is now a security and compliance necessity. Disk Level Encryption is a technology being used by most companies to help ensure they meet these mandates and ensuring they do not become the next big breach. Using encryption with FIPS compliant HSMs helps thwart malicious insider or compromised root user threats.

Solution Overview

The Zettaset XCrypt Data Encryption Platform now integrates with Fortanix DSM HSMs, providing a higher level of security and availability. The Fortanix DSM HSM plus Zettaset XCrypt Data Encryption Platform protect the encryption keys by isolating them from the client storage media, providing customers with NIST FIPS 140-2 Level-3 security.



In the age of big data breaches, a determined cybercriminal will break through the periphery of any database environment. Protecting the perimeter with firewalls and packet snoopers is no longer enough, and good security practice dictates a layered approach, with in-depth defense. The risk of insider threats through misconfigurations or deliberate actions continues to increase.

The combined Fortanix / Zettaset solution provides for Full Disk Encryption, utilizing FIPS 140-2, Level-3 certified HSMs to help meet GDPR mandates.

Fortanix Data Security Manager (DSM)

Secured with Intel® SGX, Fortanix DSM delivers HSM-grade security with software-defined simplicity. DSM provides flexible consumption options — a hardened appliance, HSM as a service, or software running on commodity x86 servers.

DSM offers central management, tamper-proof logging, rich access control, REST APIs and massive scalability. Organizations use DSM to secure their sensitive cloud and traditional applications, including digital payments, PKI systems, IOT applications, silicon manufacturing, and remote TLS terminations — all while drastically reducing integration complexities and expenses.

[Fortanix DSM Datasheet](#)
[Fortanix DSM Appliance](#)

Zettaset XCrypt Data Encryption Platform

The XCrypt™ Data Encryption Platform has been designed from the ground up for optimal performance and scalability in distributed systems and elastic cloud environments. XCrypt introduces close to zero latency to the compute environment, making it ideal for in-memory stored data and transactional environments where sub-second response times are essential.

[Zettaset XCrypt Data Encryption Platform
Overview](#)