XCrypt Full Disk™

Zettaset

Advanced Data Protection and Monitoring for Linux Systems

As CentOS support nears its end, organizations seek alternative Linux distributions for on-premise, cloud, and hybrid workloads. Seize this opportunity and move beyond LUKS to an enterprise hardened data security solution with XCrypt Full Disk™.

Zettaset XCrypt Full Disk™is a high-performance, software-only partition-level encryption solution that provides proven protection for sensitive information. XCrypt Full Disk™ simplifies data security deployments ensuring an easy, scalable installation without the need for a proprietary appliance. The versatility of XCrypt Full Disk™ makes it suitable for encryption of both data in-motion and data at-rest, in the cloud and on-premise.

Encryption Built for Performance and Scalability

XCrypt Full Disk™ utilizes Advanced Encryption Standard (AES) 256-bit encryption, the largest key size available, and provides AES-NI accelerated performance in equipped servers. With Zettaset, you can centrally manage governance and encryption policies across multiple environments from the XCrypt key administration console. XCrypt Full Disk delivers data-centric security utilizing advanced encryption and access control technologies to ensure the highest levels of protection for sensitive business and regulated information.

High Performance: XCrypt Full Disk™ encrypts data without affecting system performance, allowing uninterrupted use.

Compliance & FIPS 140-2 Validated: XCrypt Full Disk™ enables organizations to achieve data protection compliance, addressing regulations such as GDPR, CCPA, HIPAA and Zero Trust initiatives.

Compatibility: XCrypt Full Disk™seamlessly works across diverse environments and Linux distributions.

Automated Key Management: XCrypt Full Disk™ includes an automated KMIP-compatible key management system, simplifying complex tasks in large enterprise environments.

XCrypt Full Disk™

	LUKS/NBDE	Zettaset
Unified Vendor Agnostic Visibility & Control	❌	✅
Key and Data Activity Monitoring	❌	✅
Environment-Aware Encryption	❌	✅
Automated Encryption Provisioning	❌	✅
Scale Up From 1 Node to 1,000's	❌	✅
Scale Down to Edge Device System Requirements	❌	✅
Compliance Certifications & FIPS	❌	✅

Key Features and Benefits

→ **All-software solution simplifies deployment** and easily scales, providing ease of use with a centralized management console.

→ **Optimized for superior performance** in scale-out distributed computing systems, with near-zero latency.

→ **Proven protection** for high-volume, high-growth cloud, on-premise, and edge workloads.

→ **Compliant with OASIS standards** for encryption system communications, compatible with KMIP-compliant key management systems and PKCS#11-compliant hardware security modules (HSMs) to easily fit into existing security infrastructure.

→ **Certified interoperability with key manager solutions and HSM's** enhances security, ensuring seamless integration and robust protection of sensitive data. (Thales, Gemalto, MicroFocus, Entrust, Futurex, Utimaco and others).

XCrypt Full Disk™ is an advanced encryption solution, seamlessly integrated with the broader XCrypt Suite to offer end-to-end data protection and compliance solutions for enterprise environments. For more information, please contact us at sales@zettaset.com

Zettaset is a cybersecurity software company focused on securing sensitive data. Traditional network and identity perimeter tools are not effective when data becomes mobile. Our data-centric security solution eliminates disparate platform inefficiencies by following and protecting data across all environments. Zettaset's patented technology has an open architecture that complements and augments existing security investments while supporting the Zero Trust data pillar framework. By removing inappropriate data access, enforcing security policy, and detecting advanced threats, our highly innovative and flexible solution delivers real-time protection that reduces security risk, fulfills compliance requirements, and decreases operational expense.