TRICRYPTION® eS

Transparent centrally managed encryption for storage solutions, distributed file systems and the cloud.

ERUCES DATA SECURITY

Data Sheet : Storage and Cloud Encryption

ERUCES Tricryption® eS provides seamless integration for encryption across complex enterprise infrastructures. Tricryption eS is optimized for server environments, cloud computing and virtual machines.

Tricryption eS file system encryption allows enterprises with sensitive information to leverage cloud assets while protecting against unauthorized data access including: theft, hackers, malicious insiders and managed service providers while maintaining centralized control over encrypted data.

All encryption keys are created and managed by Tricryption kS. Encryption keys are transmitted securely, on demand to Tricryption eS. No encryption keys are stored with the data.

Benefits

Supports Cloud Architectures - Encrypt data in the public, private and shared clouds.

Support for Distributed Computing - Encrypts data across enterprise distributed systems with central encryption key control.

Distributed file systems supported include:

- Microsoft® Cluster Server
- IBM® GPFS
- DDN® WOS

Seamless Integration - Encrypts server application data transparently to services. No modifications needed to enterprise server software and related data.

Key and Data Separation - When a protected instance or virtual machine is compromised, the encryption keys are not stored with the data.

Virtual Machine Image Encryption - Protect virtual machine images against tampering.

Authenticate Service Identities - Supports authentication for enterprise service identities. Provides for separation of roles for administration accounts and service identities.

Stop Data Spill - Each data element is protected with its own key.

Dual Cache - Security policy determines what applications are allowed to access cipher or clear text, enabling backup across private/public networks without compromising encryption keys.

Encrypt Web Server Code and Assets - IP protection of server-side scripting, HTML, and associated media.

Take Advantage of Zero Cost "Data Transfer IN" Rates for Cloud Data Backup - Take advantage of no cost, in-cloud data traffic backups. Back up data in the cloud while retaining ownership of encryption keys.

Server Application Encryption - Encrypt server applications to prevent theft and piracy.

Security Templates - Apply encryption polices across the cloud, protecting digital assets and reducing risks of unintended disclosure of sensitive information.

Assured Software Development - Protect source code repositories from malicious attacks and theft.

High Speed Server Side Encryption - Takes advantage of enterprise class hardware, elastic resources such as, on-demand computing power.

Accurate, Compliance-based Reporting - Provides detailed audits of data usage.

Flexible Cloud Deployment

- Tricryption kS, key database, and Tricryption eS encrypted data in cloud.
- Tricryption eS encrypted data in the cloud, key database and Tricryption kS on private network.
- Key database and Tricryption eS encrypted data in cloud, Tricryption kS on private network.
- Tricryption kS, key database, and Tricryption eS encrypted data in cloud and system secret (HSM) stored on private network.

Enterprise Deployment Toolkit

- Server deployment tools and utilities.
- Cross-platform GUI, command line and silent deployment options.
- Professional services included to help customers create and implement security policies.

Hardware Requirements

Minimum (x86)

Processor	1 (GHz)
RAM	1 GB
Hard Disk Space	512 MB

Recommended (x64)

Processor	Dual-Core Pentium® 4, 2 GHz or greater
RAM	2 GB
Hard Disk Space	2 GB

Operating System Support

- Windows® 2003 Server
- Windows 2008 Server
- Solaris® 9
- Solaris 10
- Linux Kernel 2.6

Software Requirements for Infrastructure

Tricryption kS
Java™ 2 Runtime Environment, Version 1.6

Visit our website
http://www.eruces.com

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