

A Scalable, Complete “Data at Rest” Security Solution with No Adverse Latency Impact

ERUCES Tricryption Engine on the SGI® Altix® 350

ERUCES Encryption Framework for Enterprises™ (EFE) helps solve information assurance problems

The Tricryption™ Engine software is based on advanced high-volume encryption and automated key management at the core. The Tricryption solution combines a centrally controlled symmetrical key management system with unique encryption applications such as De-identification/Disassociations of related information to allow near real time use and iron clad multiple levels of security within large diverse enterprises. The software can be applied to heterogeneous enterprise environments to secure multiple data elements (allocations/executables, web pages/code, databases, source code, files, messages, images) and secure and control access of multiple levels.

Altix 350 delivers breakthrough performance

During performance testing of the ERUCES EFE 5.0 product suite running on the Altix 350 at SGI's Global Benchmark Center in Mountain View, Calif., performance peaked at more than 6,000 cryptographic (encrypt/decrypt) transactions per second. This is an improvement of nearly eight times the performance previously achieved using the same methodology in ERUCES test labs on a 32-bit processor-based system.

Together EFE and Altix 350 deliver scalability

The encryption engine of EFE can scale to meet continually growing encryption requirements. Additionally, the components have been built to provide flexibility and easy integration with existing authentication and authorization services.

Altix provides a modular architecture that can scale processors, memory and I/O resources independently. A unified Linux platform scales seamlessly from 1 to 32 processors, and the system design enables seamless growth to meet changing compute and business requirements.

SGI and ERUCES offer a complete solution at a special price

For a limited time, the bundled price for the Altix 350 with ERUCES EFE 5.0 is US\$100,000.00. The components of this offering include:

- 2 Altix 350 systems (2 x 1.6GHz/6MB Itanium® 2 CPUs, 2GB RAM) with Novell® SUSE® LINUX Enterprise Server 9
- EFE 5.0 including API/SDK, Tricryption Manager Application, plus 100 Client Licenses
- Hardware and software installation provided by ERUCES and SGI Managed Services
- 1 year SGI® FullCare™ support
- 1 year ERUCES software support
- EFE training



HIGH PERFORMANCE DATA PROTECTION



- The most complete, efficient and cost effective security solution available in the market today
- Affordable turnkey, high performance hardware and software encryption security solution
- Breakthrough capabilities for encryption key management processing with SGI® Altix® 350
- Unique protection of keys and efficient key management with ERUCES EFE

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