

> Thales e-Security keyAuthority® Advantages for IBM Storage Encryption Solutions

SOLUTION HIGHLIGHTS:

- > Appliance form factor: FIPS 140-2 Level 3 certification pending
- > Security-hardened, tamper-resistant to lower risk of breaches
- > Easy to deploy with predictable scalability on a field-proven hardware platform
- > Fully-automated key lifecycle: from generation to destruction using policy-based rules

Key Lifecycle Management for IBM Storage Devices in a Simplified Hardware Security Appliance from IBM and Thales

Thales and IBM have joined together to offer IBM storage users a highly-simplified, reliable and secure key manager for data encryption. keyAuthority® supports IBM tape and disk encryption, compatible with Tivoli® Key Lifecycle Manager supported devices, by offering a security-hardened appliance that is easy-to-deploy and administer.

The combined solution is pre-qualified to interoperate with IBM encryption-enabled storage devices to protect sensitive data at rest. Storage, security and compliance teams now have a quick and easy way to meet compliance objectives for data protection, while avoiding the consequences of data loss.

Advantages Include:

- **High availability and performance in a security-hardened appliance**
keyAuthority is optimized for large storage infrastructure with scalability up to millions of cryptographic keys and thousands of devices under management. FIPS 140-2 Level 3 qualification¹ helps prove tamper resistance and long-term reliability. The hardware platform is designed using redundant, enterprise-class components for minimal maintenance to lower total cost of ownership. Real-time key replication among appliances provides for seamless disaster recovery between sites.
- **Quickly and securely manages keys to ensure long-term data recovery**
Deployment is made easy with minimal configuration during setup. Role-based access and policy-based rules ensure that key management adheres to best practices, out-of-the-box. Features such as 2-factor authentication, quorum via smart cards, and 2-person (maker-checker) controls enable key lifecycle management to follow proper authorization procedures for safe storage encryption.
- **Simplifies and centralizes auditing and compliance**
System and user event logs are maintained within secure facilities to better protect against tampering and corruption. Auditors can now quickly attest to controls over confidential, encrypted data by relying upon a central repository to verify key lifecycle activities. The solution helps to minimize reliance on manual or ad hoc reporting procedures that can prove unreliable.



¹ In process of qualification as of November 2011.

- **Minimizes solution costs by automating key sharing and reducing management silos**

Domain and group trust relationships provide key separation or sharing for discrete application environments, business units, administrative teams, and storage devices. A centralized approach to managing IBM encrypting storage, along with support for third-party products, reduces the need for redundant key management systems. Security controls are unified, while operating a system that is administered consistently and predictably across a complex, global environment.

- **Support for legacy key management protocols, current standards, and future standards as they evolve**

The appliance supports legacy and proprietary key management protocols, while providing a path towards new, emerging standards for storage interoperability. The solution ensures that an investment today can extend with increasing storage volume, and new applications and encryption devices, in a changing infrastructure.

For Additional Information

If you would like to learn more about keyAuthority, please contact Thales or IBM to schedule a solution overview or product demo.

About Thales e-Security

Thales e-Security is a leading global provider of information security providing data encryption solutions to the financial services, manufacturing, government and technology sectors. With a 40-year unrivalled track record of protecting corporate and government information, Thales solutions protect our customers most sensitive data and is used by four of the five largest energy and aerospace companies, government networks around the world, and secures more than 80 percent of the worldwide payment transactions. Thales e-Security has offices in Japan, Hong Kong, United Kingdom and the United States and is represented in over 90 countries around the world. For more information, visit www.thales-esecurity.com.

About IBM Security Solutions

IBM has the extensive knowledge, innovative research methods and complex technologies required to deliver products and services that are recognized for leadership in IT security. IBM builds security technology into the fabric of the hardware, software and services it delivers—not bolting it on after the fact. As your trusted partner for security, IBM experienced and certified consultants, architects, project managers and subject matter experts are prepared to provide your organization with a comprehensive platform of preemptive security products and services designed to protect your entire IT infrastructure, from the cloud to the data center to the desktop. For more information visit www.ibm.com/security.

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To learn more about how IBM security management solutions can help you minimize the expense and time of protecting data, and enable business collaboration, contact your IBM representative or IBM Business Partner, or visit www.ibm.com/security or www.ibm.com/software/tivoli/solutions/security.

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