AT A GLANCE

– Provide end-to-end data protection to give your sensitive information the most comprehensive form of security

– Make use of tokenization technology to reduce the amount of data that is subject to regulatory compliance and lower the complexity of application protection

– Make security operations easier through robust server-side management tools

– Increase security by giving greater control to central administrators

– Leverage the benefits of encryption (both traditional and format-preserving) and tokenization through the same platform

– Take advantage of the KMIP-enabled server to consolidate disparate encryption and data protection solutions

EXECUTIVE SUMMARY

RSA® Data Protection Manager (DPM) is an integrated security solution that gives customers efficient and comprehensive data protection. RSA DPM combines tokenization and application encryption (including format-preserving encryption), popular application-based controls, along with robust token and key management, to deliver end-to-end data security. By handling the lifecycle management of keys and tokens, enforcing strong separation of duties, protecting the central object vault and maintaining granular application permissions, RSA DPM saves customers money on operational costs and delivers better security than any other data security method.

PROTECTING INFORMATION WHERE IT IS MOST VULNERABLE

Protecting data in applications is the front line in the battle against external threats. The vast majority of data breaches happen within the server or application. To mitigate these threats it is critical to deploy true end-to-end data protection. Application-based security is the most comprehensive form of this because data is protected immediately at the point of capture and it stays protected throughout its lifecycle. Application encryption and tokenization are effective methods of enforcing this type of data security; tokenization adoption is growing faster than ever because of the large amount of cost saving benefits it can bring customers. RSA DPM allows for both tokenization and application encryption (traditional or format-preserving) to be used as a control, giving customers the ability to leverage the operational benefits of tokenization while still having the flexibility to use encryption when needed. In addition, by combining these two pieces of functionality, customers get built-in protection of the token database via proper encryption and key management.
BRINGING IT ALL TOGETHER IN A COMPREHENSIVE SOLUTION

The client controls (tokenization or encryption operations) are only one piece of the puzzle. Customers truly benefit from the operational efficiency gained when deploying a robust key and token management tool. RSA Data Protection Manager provides not only industry-leading client controls but also a simple and easy to use management interface for setup and management of the application protection infrastructure. RSA DPM also provides full enterprise key management capability to manage encryption keys across the data center. This allows customers to increase security across their organization while making compliance audits easier and less costly.

KMIP Server-Side Support

The Key Management Interoperability Protocol (KMIP) addresses the need for standardization in enterprise key management by building interoperability into the key management environment. This reduction in complexity helps organizations reduce infrastructure costs and risks in adopting cryptographic solutions. RSA took a leadership role in the creation of this standard by co-chairing the OASIS KMIP Technical development committee and contributing technical resources and is committed to driving further KMIP development.

RSA DPM is now available with KMIP server-side functionality, allowing DPM to manage cryptographic devices that have implemented KMIP client-side functionality, including other vendor’s KMIP-compatible client applications. This protocol will enable true enterprise-wide key management, increasing the security and manageability of data while lowering the total cost of ownership.

Capabilities

Hybrid encryption and tokenization deployments – RSA DPM incorporates a “hybrid” use of encryption and tokenization within the same product, giving users the flexibility to tokenize where they can and encrypt where they can’t.

Comprehensive data protection options – Right from the point of capture at the application layer, there are choices: encryption, tokenization and/or format-preserving encryption.

Central control over client permissions – RSA DPM can define client policies, e.g., which applications have permission to detokenize or decrypt information and which can only perform one-way functions like encrypt or tokenize.

Full lifecycle management of keys and tokens – RSA DPM manages the lifecycle of keys and tokens by setting up periodic rotation schedules, or by forcing the deletion or rotation of a specific key or token when there is a possibility of a data breach.

Audit and reporting capability – RSA DPM has built-in audit logs for the simple discovery of data protection commands that are necessary to prove compliance.

Flexible options for applications – Applications can be built using C, C# and Java APIs for key management, and C, Java, and Web Services APIs for tokenization.

Support for cloud encryption environments – RSA DPM manages keys for AFORE® CloudLink® solutions, providing on-premise/in-enterprise key management for secure virtual disk encryption in public, private or hybrid clouds.

ABOUT RSA

RSA, The Security Division of EMC, is the premier provider of security, risk, and compliance management solutions for business acceleration. RSA helps organizations solve their most complex and sensitive security challenges by bringing visibility and trust to millions of user identities, the transactions they perform, and the data that is generated. RSA delivers identity assurance, encryption & key management, SIEM, Data Loss Prevention, Continuous Network Monitoring, and Fraud Protection with industry leading eGRC capabilities and robust consulting services. www.rsa.com

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