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RSA DPM Replacement Program

As you may already be aware, RSA has notified current users of End Of Primary Support (EOPS) for their Data Protection Manager (DPM). The EOPS announcement covers:

- RSA Data Protection Manager Appliance
- RSA Data Protection Key Client
- RSA Data Protection Token Client

Thales offers an accelerated and proven migration for current RSA DPM customers to the Vormetric Data Security Platform.

How do RSA products map to the Vormetric Data Security Platform from Thales?

RSA	THALES
RSA Data Protection Manager Appliance (hardware and virtual)	Vormetric Data Security Manager Appliance (hardware and virtual)
RSA Data Protection Manager Key Client	Vormetric Application Encryption (format preserving)
RSA Data Protection Manager Token Client (C#, Java, .NET)	Vormetric Tokenization with REST APIs

Key Management

Feature	RSA DPM	Thales
Management Console	Yes	Yes
Secure Management of Keys	Yes	Yes
KMIP Enabled	Yes	Yes

RSA Data Protection Manager Key Client → Vormetric Application Encryption (format preserving)

Application Encryption

Feature	RSA DPM	Thales
PKCS #11	Yes	Yes
Application Encryption	Yes	Yes
Format Preserving Encryption	No	Yes
C, C#, Java APIs for Key Management	Yes	Yes
Secure Management of Keys	Yes	Yes

RSA Data Protection Manager Token Client (C#, Java, .NET) → Vormetric Tokenization with REST APIs

Tokenization

Feature	RSA DPM	Thales
Tokenization REST API	No	Yes
Tokenization Client Required	Yes	Yes
Vaulted Tokenization	No	Yes
Vaultless Tokenization	Yes	Yes
Management Console	Yes	Yes
AD Integration	Yes	Yes

Why choose Vormetric Tokenization from Thales?

For the ability to replace and scale to the enterprise with vaultless tokenization.

Additional Platform Capabilities

Transparent Encryption

Feature	RSA DPM	Thales
No Changes to Databases	N/A	Yes
No Changes to Applications	N/A	Yes
No Additional Network Traffic	N/A	Yes
SIEM Integration	N/A	Yes
SIEM Alerting, Auditing and Reporting	N/A	Yes
Privileged Access Control Based Encryption	N/A	Yes
Linux. UNIX, Windows Support	N/A	Yes
Automation and Orchestrated Deployment	N/A	Yes
Automated Key Management	N/A	Yes
Live Data Transformation	No	Yes

What is the migration plan?

Application Encryption

1. Inventory existing applications that use DPM application encryption.
   a. Identify the application sprawl accessing the protected databases.
   b. Which applications do I encrypt?
   c. Which applications do I decrypt?
2. Are these in-house applications?
   a. Have access to source code?
3. What new projects will need application services?
   a. What are they written in?

Tokenization

1. Inventory existing applications that utilize tokenization.
   a. Identify applications and token databases.
   b. How is the tokenization vault being used?
   c. Would the performance and cost gains of using vaultless tokenization be advantageous?
   d. Which applications need to detokenize?
2. Are these in-house applications?
   a. Have access to source code?

3. What new projects will need tokenization services?

    a. What are they written in?

Once you have discussed the answers to these questions, it would be beneficial to whiteboard the enterprise architecture and encrypted/tokenized dataflow. This can provide a customized roadmap for you to plan for a successful migration. The typical migration path involves:

1. For replacing RSA DPM Key Client: Decrypt existing data and re-encrypt it with Vormetric Application Encryption from Thales. Thales uses PKCS#11 libraries, the same as RSA DPM, so minimal coding is necessary and most importantly current expertise is leveraged.

2. For replacing RSA DPM Token Client: Identify which applications to target for migration first. Thales offers a vault solution similar to RSA DPM or you can use this opportunity to upgrade to a higher performing vaultless solution. Thales offers bulk load tokenization utilities for ease of migration.

3. Alternative solution: There will be many use cases where you could utilize Vormetric Transparent Encryption vs. application layer encryption or tokenization. Vormetric Transparent Encryption delivers file system level encryption, privileged user access control and audit logs without application development. It runs transparent to the users, applications and storage environment.

Once applications and tokenization data is migrated you will have successfully moved from the RSA DPM EOL platform to the Vormetric Data Security Platform.

How long should I expect the migration to take?

The migration from RSA DPM to the Vormetric Data Security Platform depends on the number of applications that need to be migrated. Proper planning and understanding of data flow is key to success. Thales offers PKCS#11 libraries, REST APIs, and transparent encryption solutions, so coding efforts are minimal and in-house expertise is leveraged.

Why choose Vormetric DSM as a replacement for RSA DPM?

- Key Management:
    - FIPS 140-2 Level 2 and Level 3 validated hardware options
    - FIPS 140-2 Level 1 Virtual Appliance
    - Common Criteria validation
- Supports separation of duties and key life cycle management
- NIST approved encryption keys (AES 256, DES, RSA supported)
- Format preserving encryption (FPE) and Tokenization with Dynamic Data Masking
- Enterprise ready (scale, performance and deployment)
- Keys can be imported from any outside source
- Key Manager supports multi-tenancy for data across borders, cloud deployments, business unit isolation
- Leverage the Vormetric Data Security Platform for future security requirements & evolving mandates

What are my next steps?

Contact your local Thales rep or email sales@thalesesec.com to get started.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.

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