Randtronics DPM Vormetric DSM Migration Planning

Randtronics DPM: The most capable and flexible enterprise encryption ***data security platform***

Version 3.0
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Randtronics Data Privacy Manager

Migration from Vormetric DSM

1. Background

On April 16th 2023, Thales announced[1] Vormetric Data Security Manager products will cease to be sold from 30th June 2023, with support finishing 30th June 2024. Thales is encouraging its Vormetric customer base to migrate to its CipherTrust Security Platform that provides encryption and key management as part of broader package of data security products.

For those customers that were satisfied with the functionality of Vormetric Data Security Manager and looking for a cost-effective alternative, Randtronics is pleased to offer its Data Security Platform (DPM) as a straightforward 'drop-in' replacement.

Randtronics Data Privacy Manager (DPM) is a 100% software-only data security platform that manages encryption protections for structured and unstructured data on-premise and on-cloud. The product features:

- Universal, centralized key management to FIPs 140-2 Level 3 and EAL 4+ assurance level
- Encryption, format preserved encryption, tokenization and masking
- No-code change Transparent Data Encryption (TDE) for Windows and Linux environments
- No-code change field-level protection (FLP) for MS-SQL Server and Oracle Database and flat files
- Low-code API protection for any field-level protection (FLP) for any application-database stored anywhere
- Shared file encryption to protect files shared across Dropbox, email, OneDrive, Google Drive, FTP

This document provides a guide to organizations planning their end-of-life migration from Vormetric DSM to Randtronics DPM.

For customers seeking assistance with their migration process, Randtronics offers a full range of professional services to assist customers with their migration program, details set out in section 4 below.

2. FAQ

Can management of encrypted data be transferred from Vormetric to Randtronics without decryption?

- Short answer is no, the internal workings of Vormetric are opaque to outsiders and for data to be transferred it needs to be decrypted using Vormetric's tools and then re-encrypted by Randtronics' DPM

Can the data decrypt/ re-encrypt process be done in batch mode?

- Yes, provided there is a maintenance window organized where the files are exclusively available for the transfer process

Can the data decrypt / re-encrypt process occur whilst the data source is in use?

- Parallel data transfer is possible for database that support standard synchronization methods – for more information, see below

Can Randtronics assist the transition process?

[1] https://www.thalestct.com/end-of-sale-and-end-of-life-announcement-vormetric-data-security-platform/#:~:text=Vormetric%20Data%20Security%20Platform%20products%20will,reach%20End-of-Sale%20effective%2030-June-2023%2C%20and%20End-of-Life%2030-June-2024

- Randtronics professional services are available to support customers with planning and executing their migration programs – for more information, see section 4 below

3. Overview

Migrating data from one encryption product to another requires careful planning and execution. This planning guide is designed to assist you successfully migrate your encrypted data from your legacy Vormetric DSM platform to Randtronics DPM:

3.1 Determine timeframe constraints:

The first step is to consider the constraints on your planning timeframe:

- How much time margin do you want to allow yourself before support for the Vormetric platform ends?
- Are there costs to be saved by transferring soon in areas such as maintenance or training that make advantageous to accelerate your transfer?
- Are there system downtime periods that you need to manage around?

3.2 Assess your current data

The second step is to assess the scope of the data transfer exercise.

To identify data sources that are being managed by Vormetric DSM, you can follow these steps:

- Log in to the Vormetric DSM console with administrator privileges.
- Navigate to the "Agents" section.
- Review the list of agents and their status to see which agents are currently active and communicating with the Vormetric DSM server.
- Select an active agent and review the "Managed Data Sources" tab to see which data sources are being managed by that agent.
- Repeat this process for each active agent to identify all of the data sources being managed by Vormetric DSM.

Alternatively, you can also use Vormetric DSM's command-line interface (CLI) to generate a report that lists all of the data sources being managed by the system:

$ vdbenchinfo –listdatasources

Catalogue your encrypted data sources:

- Data store type: cloud, NAS, file server, database (what type, what cluster configuration)
- Data volumes on each data store
- Status – live, archived
- Maintenance Window availability
- Transition priority ranking
- Proposed Data transition method

Data transition method options include:

- Option 1: Migration via local folder

- Option 2: Migration via staging server
- Option 3: Database synchronization

Timing of these processes will depend on the specifics of your server hardware and network. It is recommended that you benchmark the decrypt/re-encrypt process as part of your preparation phase in order to assist in determining the time to convert each of your data sources.

3.3 Assess your key management strategy

Randtronics DPM is a 100% software only encryption management solution.

For customers that require FIPS level key protection, DPM supports integration with third-party HSM products. Customers requiring integration with third party HSM will need to install DPM easyKey in addition to DPM easyCipher.

3.4 Data transition methods

3.4.1 Migration via local folder

This migration method allows decryption and re-encryption of files on the current existing system. No additional system is required. However, there will be time window when the files remain in clear between encryptions.

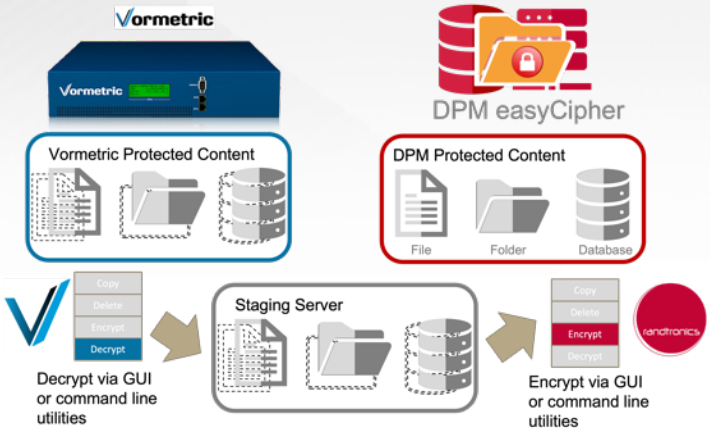

Figure 1 Local Folder migration on same server

a) Use standard commands or file manager graphical user interface (GUI) to copy data from current location (Vormetric protected folder) to local temporary folder or use Vormetric DSM command-line tools to decrypt files in-place – refer to Vormetric documentation for more details

b) Uninstall Vormetric agent

c) Install Randtronics DPM agent

d) Within DPM easyCipher Console define a new data protection policy that protects the existing folder allowing authorized users and programs to have access

e) Copy data from temporary folder to the protected folder or use DPM migration tool to migrate files in-place

3.4.2 Migration via staging server

This migration method uses a new staging server where files will be temporarily stored during transition. Randtronics DPM agent will be installed on the staging server providing protection of files during the migration process.

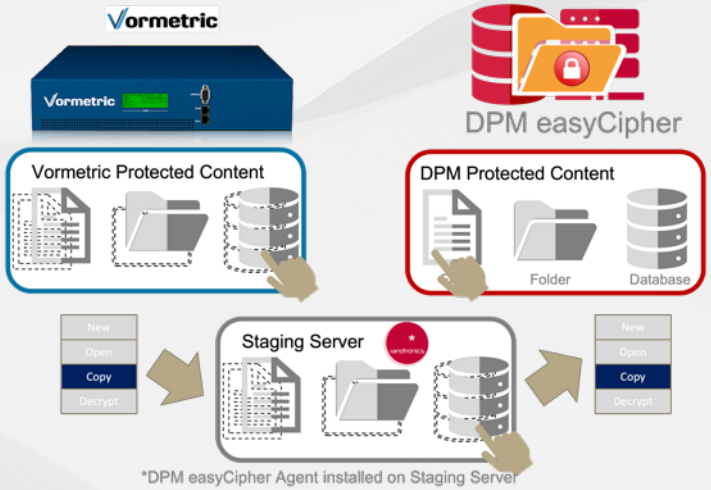

Figure 2 Migration via staging server

a) Install Randtronics DPM agent on the staging server and configure a policy for a temporary folder where all files will be stored during transition. Setup a network share for the protected folder to allow remote access.

b) Use standard commands or file manager graphical user interface (GUI) to move files from current location (Vormetric protected folder) to the network file share on staging server

c) Uninstall Vormetric agent

d) Install Randtronics DPM agent on the target system

e) Within DPM easyCipher Console define a new data protection policy that protects the existing folder allowing authorized users and programs to have access

f) Copy data from the staging server to the protected folder

3.4.3 Database Synchronization

For databases that cannot be taken offline for a long period for the transition process, data migration can be achieved by setting up a cluster configuration with mirroring/synchronizing data to another system. In this case one node will be encrypted with Vormetric and another node will be encrypted with Randtronics DPM. It is important to note that synchronizing files should reside on different system and not on a shared SAN/NAS folder. When the second node migration is finished, a failover will be performed and then the first node will be migrated.

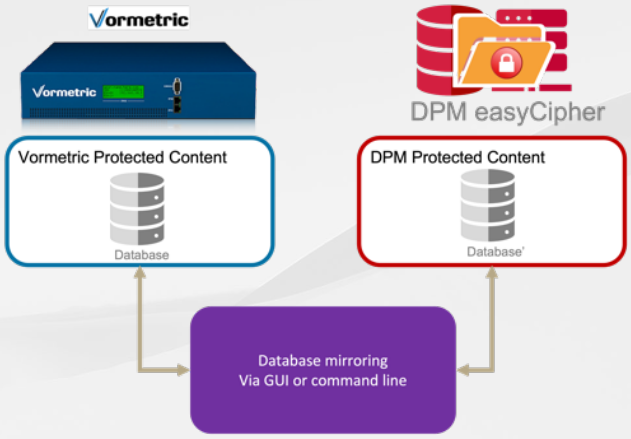

Figure 3 Database Synchronization

a) If the database is running as a standalone database, build a new system and connect both into a database cluster. If your databases are already running in a cluster configuration with separate file storages then start with the secondary node.

b) Install DPM agent on the secondary node. If Vormetric was installed on the system, then decrypt data and then uninstall the Vormetric agent.

c) Within DPM easyCipher Console define a new data protection policy that adds the database program to the application whitelist for the database folder

d) Synchronize data from the primary node to the secondary. It will create a new copy of the database that is encrypted by Randtronics DPM

e) Once mirroring is complete, perform failover to the secondary node.

f) Perform migration on the primary node

g) Failback to the primary node and deactivate the cluster if required

3.5 Install and validate data transition to Randtronics DPM:

Install Randtronics DPM in a test configuration for preliminary tests and user training.

Conduct preliminary test to confirm operability with all data sources to be transitioned and establish time benchmarks for the decrypt/re-encrypt process for sample sets of comparable size to your production data sources.

3.6 Develop detailed plan

Develop a detailed plan for the migration process, including a timeline and a list of tasks to be completed. Determine who will be responsible for each task and establish communication channels to ensure that everyone is aware of their roles and responsibilities.

3.7 Train your users:

Train your users on the Randtronics DPM easyCipher, including any new policies or procedures that may be required. This will ensure that they are able to continue working with the encrypted data in a secure and efficient manner.

3.8 Migrate your data:

Migrate your encrypted data to the new encryption product as per chosen migration method. This may

involve exporting the data from the legacy product and importing it into the new product. Alternatively, you may need to use specialized migration tools to ensure a smooth transition.

3.9 Test and validate:

Once your data has been migrated, test and validate the new encryption product to ensure that it is working as expected. This includes testing data access, backup and restore, and other critical functions.

3.10 Decommission

Once your data has been fully migrated and validated you can now decommission your Vormetric DSM instance, by removing the program file, deleting Vormetric encryption keys and deleting remaining data stores that are encrypted by Vormetric.

4. Randtronics Professional Services

The Randtronics professional services team is available to assist customers in the planning and executing of their migration strategy.

Based on our experience assisting many organizations with similar migration projects we have developed a three-phase program designed to assist organizations achieve a smooth 'no surprises' transition with the option of either having Randtronics manage the full end-to-end process or provide support to your own team.

Phase 1 – Scoping, is available at no cost to the customer.

Phase 2 - Proof of Value (POV) is a paid program designed to demonstrate compatibility of the Randtronics DPM platform within the customers own environment prior to commitment to a major purchase order.

The POV is charged on a cost recovery basis for time. A single-server POV license for Randtronics DPM software is available for no cost (limit of one per customer).

Phase 3 – Migration Program. The customer has the choice of having Randtronics manage the full end-to-end migration process on their behalf or purchasing services packages to assist an internal team.

4.1 Phase 1: Scoping

The scoping phase consists of a 1-hour consulting session during which we aim to explore scope and better understand your environment and requirements.
During this session we will have the opportunity to share information on likely timelines and costs of a program to address your requirements with the option of having Randtronics manage the end-to-end process for you.

Phase 1 deliverables are an indicative proposal and scope of works:

- Scope and cost for a Proof-of-Value exercise to demonstrate the suitability of Randtronics DPM as a replacement for your Vormetric DSM platform
- Indicative cost estimates for Randtronics DPM software components to replace your current Vormetric DSM platform based on gathered requirements and
- Indicative cost estimates and timelines for Randtronics to manage the end-to-end migration program based on gathered requirements

4.2 Phase 2: Proof of Value

The Randtronics Proof of Value exercise aims to confirm the presumption that Randtronics DPM is a suitable 'drop in' replacement for the customers' Vormetric DSM platform.

i) Preliminary product training (1 hour)
ii) Demonstration of operation of DPM products protecting sample data on test systems representative of the customers production environment, operating within the customers network.
iii) Demonstration of Data Transition Methods, for migrating the customers data from the management of Vormetric DSM to Randtronics DPM.

Phase 2 deliverables are:

- Confirmation of suitability of Randtronics DPM as a replacement for the customers Vormetric DSM platform
- Demonstration of Data Migration Methods and Administration of data protection policies using the Randtronics DPM platform
- Detailed quotation for Randtronics DPM software components to replace customers Vormetric DSM platform
- Detailed quotation for Randtronics Migration professional services to manage the end-to-end migration program

4.3 Phase 3: Migration Program

Randtronics will create a customized program based on the scale and scope of the customers requirements. Randtronics offers the following migration programs:

a. Starter pack – This program includes detailed planning and assessment of the environment, product training for your technical staff, deployment of DPM manager and migration up to 3 target systems. This program is design to train your team to the level so they can continue migration internally.
b. Full end-to-end program – This program includes detailed planning and assessment of the environment, product training for technical staff, administrative staff and end users, performance optimization, deployment of DPM manager and migration of all target systems. Project management is conducted by the customer. Optionally you can purchase a Project Management add-on.
c. Al-a-carte Individual service packages: Details Planning and Assessment, Project Management, DPM Deployment, Basic Migration, Full Migration, Technical support, User training, Performance optimization.

1. **Detailed Planning and Assessment**: This service package is designed to help customers plan for a successful replacement of their current Vormetric DSM data protection platform with Randtronics DPM. It includes a detailed assessment of the customer's current IT infrastructure and data storage types. Mapping of the current Vormetric configuration to its Randtronics DPM replacement, business processes, and requirements to identify potential gaps and risks. The typical duration of this package is 2-4 weeks, and the cost ranges from $10,000 to $20,000. The outcome of this package is a comprehensive implementation plan that outlines the scope, timeline, and resources required for a successful Vormetric EOL migration.

2. **Project Management**: This package is designed to provide customers with a dedicated project manager who will oversee the Vormetric EOL migration process from start to finish. The project manager will ensure that the project is well-managed, well-communicated, and delivered on time and within budget. The typical duration of this package is 6-12 months, and the cost ranges from $50,000 to $100,000.

2. **DPM deployment**: This package is designed to help customers with deployment of DPM managers as per requirements. It includes working with customer's IT infrastructure team to assist in building required systems and backend databases, high availability setup, establishing backup and restore procedures. Then DPM management modules are installed and tested as per developed functional testing document and user acceptance testing document. The typical duration of this package is 10 days. The outcome of this package is implementation of DPM managers ready for migration.

3. **Basic Migration**: This package is designed to perform migration of 3 target systems from Vormetric to Randtronics. DPM agents will be installed and tested as per developed functional testing document and user acceptance document. This will allow internal technical staff to learn about the migration process. This knowledge will allow the internal staff to continue with migration of remaining systems over time. The typical duration of this package is 10 days. The outcome of this package is installation of 3 DPM agents and migration of data on 3 systems.

3. **Full Migration**: This package is designed to perform migration of all target systems from Vormetric to Randtronics. DPM agents will be installed and tested as per developed functional testing document and user acceptance document. This includes testing of migration in test environment, migration of production systems, working with customers application SMEs, database administrators, to assist with user acceptance testing, Go Live support after migration. The minimum duration of this package is 3 months and additional days are billed as required. The outcome of this package is migration of all target systems from Vormetric encryption to Randtronics DPM.

3. **On-Tap Technical Support**: This package is designed to provide customers with on-tap access to technical staff with deep technology knowledge of Vormetric's DSM and Randtronics DPM products. The technical staff will provide ongoing support to the customer during the implementation process, including troubleshooting and issue resolution. The typical duration of this package is 12 months, and the cost ranges from $25,000 to $50,000. Please note that this package does not include actual implementation and migration.

4. **User Training**: This package is designed to provide customers' technical and security staff with user training for Randtronics DPM products. The training can be delivered onsite or online and includes both technical training and end-user training. The typical duration of this package is 1-2 weeks, and the cost ranges from $5,000 to $10,000. The outcome of this package is a well-trained user base that can use Randtronics DPM effectively.

5. **Performance Optimization**: This package is designed to help customers optimize the performance of the Randtronics DPM whilst addressing the customers requirements for high-availability, resilience and back-up. It includes an assessment of the software's performance, identification of potential bottlenecks and inefficiencies, and recommendations for optimal configuration. The typical duration of this package is 4-6 weeks, and the cost ranges from $15,000 to $25,000. The outcome of this package is an optimized configuration of the Randtronics DPM management modules that performs well and meets the customer's requirements.

Copyright Information

Contact Randtronics to arrange an evaluation download - **enquiry@randtronics.com**

Randtronics

America: Milpitals, CA. Ph: +1 650 241 2671
Australia: North Ryde, NSW. Ph: +614 1822 6234

www.randtronics.com