

Sequoia Logistica employs CipherTrust Transparent Encryption to secure millions of personal records while maintaining high performance

Introduction

Sequoia Logistica provides specialized logistics and transport services, such as packaging, storage, inventory, and supply chain management, to small, medium and large companies in Brazil. In 12 years the company has grown from venture-funded start-up to a major stock-market-traded player in logistics.

Sequoia leverages technology and automation to help over 4,000 clients manage logistics and distribute products in a country of over 200 million people. This involves on average processing of 345,000 orders per day, with a considerable number of same day and next day deliveries.

Challenge

To perform its services, Sequoia captures and processes sensitive personal data from millions of people every month. This data includes names, addresses and contact information that must be protected to safeguard it against cyber-attacks and to comply with legislation such as Brazil's general data protection law (LGPD).

Sequoia wanted a security solution to reduce the risk of negative events that might result in a data breach or interruption in service. However, this solution had to have no impact on operations or the performance of Sequoia's IT systems, which are essential for the on-time delivery of hundreds of thousands of orders per day.

Solution

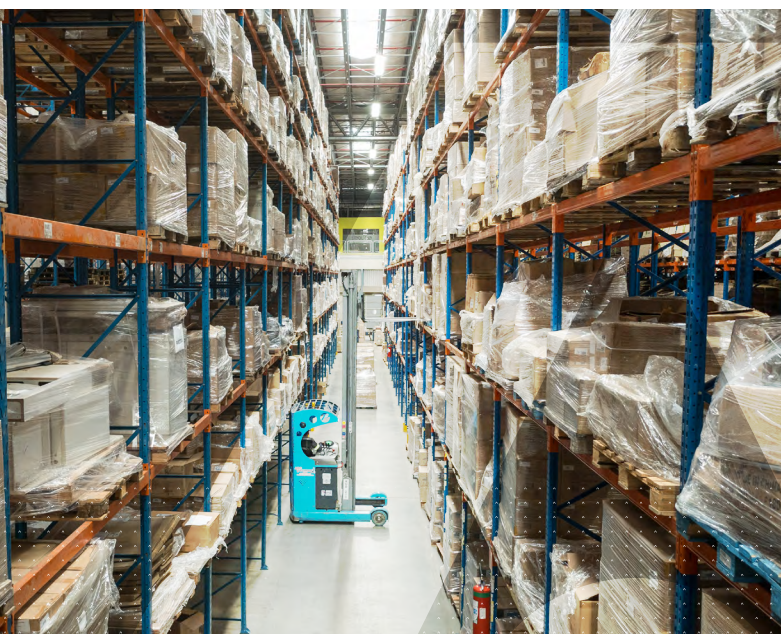
Sequoia reached out to trusted advisers looking for a solution that would encrypt sensitive data across multiple systems and manage and protect keys, without slowing down critical processes. Eval, a trusted partner, introduced Sequoia to Thales and the capabilities of the CipherTrust Data Security Platform.

After considerable research and proof of concept (PoC) tests measuring ease of implementation, enforcement of security policies, and impact on operations, Sequoia decided to adopt CipherTrust Transparent Encryption with centralized key management.

CipherTrust Transparent Encryption

CipherTrust Transparent Encryption was implemented to protect 14 of the most critical environments in the company. CipherTrust Transparent Encryption delivers data-at-rest encryption with centralized key management, privileged user access control, and detailed data access audit logging. This protects data wherever it resides, on-premises, across multiple clouds, and within big data and container environments.

Agents are installed at the operating file system or device layers, and encryption and decryption are transparent to all applications that run above the agents. CipherTrust Transparent Encryption is designed to meet worldwide data security compliance and best practice requirements with minimal disruption, effort, and cost.



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Results

Using CipherTrust Transparent Encryption, Sequoia increased the data confidentiality by protecting all the most important systems that store or process sensitive data across the enterprise. It used CipherTrust's granular security policies to enforce separation of duties and prevent unauthorized access of data by administrators or other privileged users, reducing the risk of internal threats.

The quick and seamless implementation of CipherTrust Transparent Encryption enabled quick time-to-compliance with key regulations including the LGPD. All this was achieved with minimum or no impact to the performance of systems and operations. In addition, because of the platform's integrated automation and simple management, Sequoia did not need to expand IT headcount to manage the solution.

Sequoia is currently evaluating CipherTrust Tokenization to add another layer of protection to structured data in key databases.

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.

Improved data security posture

- The CipherTrust Transparent Encryption improved Sequoia's data security posture and reduced the risk of a data breach by protecting all the most important systems that store or process sensitive data across the enterprise.

Quick time-to-compliance

- Fast implementation enabled by agents and RESTful APIs was essential for quick compliance with LGPD.

No Impact on performance

- There was no perceptible impact on performance in the 14 different environments protected by CipherTrust Transparent Encryption.

No need for additional headcount

- There was no need to expand IT headcount, because the CipherTrust Transparent Encryption is highly automated and easy to manage.