



Citizens Security Life Insurance

Compliance Made Easy - Protecting Private Information with Alliance AES/400 Encryption for IBM i and Alliance Key Manager for VMware

“Townsend Security was extremely easy to work with - from the sales process to deploying our proof of concept to post-sales support.” - Adam Bell, Senior Director of IT

CITIZENS SECURITY LIFE INSURANCE (CSLI)

Citizens Security Life Insurance Company is a life and health insurance carrier. The company offers group benefits including dental and vision coverage, and individual ancillary insurance products. The company was founded in 1965 and is headquartered in Louisville, Kentucky.

THE CHALLENGE

Protect ePHI and PII on the IBM i Platform

In order to meet growing partner requirements and pass a data security audit for protecting electronic Protected Health Information (ePHI) and Personally Identifiable Information (PII), Citizens Security Life Insurance (CSLI) needed to deploy an encryption solution on the IBM i. The solution needed to be easy to implement with excellent performance.

While FIELDPROC on the IBM i makes it very easy to encrypt data without application changes, CSLI also understood that for encrypted data to truly be secure, they would need to store and manage encryption keys with an external key manager. By using a VMware-based encryption key manager, the company could meet encryption and key management best practices for separating encryption keys from the data they protect.



NEEDS

- » Protect electronic Personal Health Information (ePHI) and Personally Identifiable Information (PII)
- » High-performance encryption solution for the IBM i
- » Virtualized encryption key manager

SOLUTION

- » NIST-compliant Alliance AES/400 Encryption for the IBM i
- » FIPS 140-2 compliant Alliance Key Manager for VMware
- » Data was encrypted without application changes using FIELDPROC and keys managed with external key manager

THE SOLUTIONS

Alliance AES/400 Encryption

“The performance we are seeing with Alliance AES/400 is excellent,” said Adam Bell, Senior Director of IT, Citizens Security Life Insurance. “The solution was easy to integrate and completely met our expectations.”

Alliance AES/400 FIELDPROC encryption is NIST-compliant and optimized for performance. The solution is up to 100x faster than equivalent IBM APIs on the IBM i platform.

With Alliance AES/400, businesses can encrypt and decrypt fields that store data such as credit card numbers, social security numbers, account numbers, ePHI, and other PII instantly without application changes.

Alliance Key Manager for VMware

“Alliance Key Manager for VMWare was very easy to implement and the resources Townsend Security provided made deployment a smooth process,” continued Bell. By deploying Alliance Key Manager for VMware, CSLI was able to meet their business needs with a solution that could not only deploy quickly, but was also easy to set up and configure.

Alliance Key Manager for VMware leverages the same FIPS 140-2 compliant technology found in Townsend Security’s hardware security module (HSM) and in use by over 3,000 customers. The solution brings a proven and mature encryption key management solution to VMware environments, with a lower total cost of ownership. Additionally, the key manager has been validated to meet PCI DSS in VMware environments.

Integration with the IBM i Platform

An encryption strategy is only as good as the key management strategy, and it can be difficult to get key management right. For companies doing encryption, the

most common cause of an audit failure is an improper implementation of key management. The seamless integration between Alliance AES/400 and the external Alliance Key Manager for VMware allowed CSLI to pass their data security audit with flying colors.

“The relationship we developed with Townsend Security enabled us to have a painless sales and support process, and in turn, enabled us to easily pass our data security audit,” finished Bell.

Townsend Security

Townsend Security provides data encryption and tokenization, key management, secure communications, and compliance logging solutions to Enterprise customers on a variety of server platforms including IBM i, IBM z, Windows, Linux, and UNIX. The company can be reached on the web at www.townsendsecurity.com, or (800) 357-1019.

LEARN MORE

Product Information

Alliance AES/400 Encryption

Product Information

Alliance Key Manager for VMware

eBook

IBM i Encryption with FIELDPROC

White Paper

Encryption Key Management for IBM i