



Tutuka Selects SafeNet to Meet EMV and PCI DSS Compliance

CASE STUDY

SafeNet Data Protection delivers protection, trust, and confidence for the prepaid credit card and payment processing market.

Background

Tutuka, a payment processor in South Africa, provides software solutions for gift vouchers, gift cards, prepaid cash replacement, and loyalty programs. Tutuka's software allows organizations to use private label cards, MasterCards, barcodes, SMS, e-mail, and paper vouchers to reach their customer base. Through their core platform, these payment methods can be easily and securely issued, redeemed, tracked, and reported on through multiple channels, such as point-of-sale terminals, EFT switches, self-service kiosks, telephone, and the Web.

Challenge

Tutuka needed to encrypt credit card data in Microsoft SQL database, and implement a secure PIN generation and validation solution.

Solution

SafeNet Luna EFT Hardware Security Modules (HSMs) and SafeNet KeySecure are able to encrypt data, as well as securely generate, store and validate PINs.

Benefits

Tutuka achieved PCI DSS and EMV compliance, secure PIN generation, PIN and CVV validation, and seamless integration with Microsoft SQL database in easy to use an manage platforms that lowered their total cost of ownership (TCO).



The Solution

Tutuka was growing rapidly and needed to find a secure solution for database encryption and transaction processing. From an ease-of-management and compatibility perspective, they preferred to select a single vendor that could meet multiple requirements. Based on recommendations from a leading accessor, Tutuka selected SafeNet KeySecure for their PCI DSS database encryption requirements and SafeNet Luna EFT Hardware Security Module (HSM) for secure payment processing. Unlike solutions from Thales, SafeNet offered multiple products that were compatible with Tutuka's Microsoft SQL database. SafeNet's solution also allowed implementation across multiple platforms, centralized management for lower administrative overhead costs, and room for future growth.

Integrating both solutions into their infrastructure took less than six months due to the ease of deployment and intuitive integration guides—allowing Tutuka to provide their customers with secure transactions, meet the mandates quickly, and avoid fines and penalties for non-compliance. “By deploying SafeNet's solution, we were able to meet the PCI and EMV mandates sooner than expected,” said Shaun Hodgkiss, technical director at Tutuka. “This solution also provided us with the flexibility to expand our infrastructure and service offerings as our business grows.”

Business Challenge

With only ten percent of the population carrying credit cards, many South African citizens are turning to prepaid cards for convenience and to build up their credit ratings. These prepaid credit cards, carrying the MasterCard and Visa logos, must be compliant with both the Payment Card Industry Data Security Standard (PCI DSS) and the Europay MasterCard Visa standard (EMV).

Tutuka needed to encrypt the credit card data residing in their Microsoft SQL database in order to comply with PCI DSS. In addition, since they handle the payment processing for small companies, Tutuka needed a secure form of PIN mailer generation to comply with EMV. In addition to these mandates, they also needed to identify a means for validating PINs and Card Verification Values (CVV) with upstream switches.

As a growing payment processor, Tutuka needed a solution that was:

- Comprehensive and flexible, allowing them to easily address other security needs and regulatory mandates as their organization grows
- Compatible with their existing infrastructure
- Easy to manage and use, and provided lower total cost of ownership

“SafeNet not only helped us meet our most challenging data protection and compliance needs, but they also provided us with a security foundation for future expansion. This allows us to maximize our security investments as data threats and compliance landscapes evolve.”

Shaun Hodgkiss, Technical Director, Tutuka Software

Benefits

By selecting a single vendor to meet their multiple security requirements, Tutuka was able to substantially lower overhead costs associated with administration, system management, and maintenance. With SafeNet's thorough understanding of their infrastructure and system needs, Tutuka was confident of reliable and responsive customer support and service.

SafeNet was able to provide Tutuka with an easy to deploy, out-of-the-box solution. They were able to install both SafeNet KeySecure appliance and SafeNet Luna EFT HSM themselves through the products intuitive management GUIs and installation guides.

Tutuka reduced the complexity of traditional key management by selecting a single, trusted vendor for their multiple platforms.

About SafeNet

Founded in 1983, SafeNet is a global leader in information security. SafeNet protects its customers' most valuable assets, including identities, transactions, communications, data and software licensing, throughout the data lifecycle. More than 25,000 customers across both commercial enterprises and government agencies and in over 100 countries trust their information security needs to SafeNet. For more information, visit: www.safenet-inc.com



THE
DATA
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