Meeting the Challenges of
Business Intelligence and Data Encryption

Challenge # 1

Your managers need powerful and user-friendly query and reporting tools that enable them to make time-critical business decisions.

Challenge #2

You've recognized the need to secure sensitive business data to protect against potential loss or misuse of customer or employee data that could result in lost business, profits and goodwill, and create a legal liability.

Challenge #3:

Finding a query and BI solution that can work well with encrypted data to meet security requirements.

The Solution

NGS-IQ business intelligence solution developed by New Generation Software, Inc. provides a unique architecture that allows integration with Patrick Townsend & Associates, Inc.'s Alliance AES encryption solution. The result is a business intelligence solution that interoperates with encrypted sensitive data and provides a system security administrator with the necessary user controls.

With this joint solution, IBM System i customers can now meet their data security and regulatory compliance goals while enjoying the exceptional on-demand information analysis provided by *NGS-IQ*:

- Run queries that automatically decrypt sensitive data for authorized users
- Control data access by user at the library, file, field, and record level
- Restrict output types to prevent query results from download to a PC or emailed as a report
- Audit compliance at the field and record level so you know who accessed sensitive business data

Monro Muffler Brake & Service
Burton August, Jr., Director of System IT Development

With recent security breaches resulting in stricter mandates by Sarbanes Oxley, auditors, and other federal and state regulations, companies are under more pressure than ever to protect sensitive data, such as customer and employee information. Recently, Monro Muffler Brake and Service implemented two System i software packages from New Generation Software (NGS) and Patrick Townsend & Associates to meet the Payment Card Industry's (PCI) Data Security Standard requirements for data encryption at the field level in the company's database.

The Rochester, New York-based automobile service company has more than 700 retail stores. Credit cards are a frequent method of payment by customers for automotive repair and maintenance service. Most of these transactions have a short life; they are stored on the company's System i Model 810 only long enough to ensure the credit card payment has processed properly, without any problem.

The tighter PCI regulations means greater protection against fraud and identify theft for their customers, while providing Monro with a safeguard against the loss of business, profits, and reputation that can result from breached cardholder data. The challenge faced by Monro's Director of System IT development Burton August Jr. was that the new PCI rules restricted the company's ability to run a query on its customer database and output critical information. "It becomes difficult to search on data once it's been encrypted," August explains.

Monro found the answer in a combined solution of Patrick Townsend & Associates' data encryption software and business intelligence software developed by NGS. The result is a business intelligence solution that interoperates with encrypted sensitive data. Sensitive information, such as a credit card number, can be securely decrypted on the fly when an authorized user runs an NGS query.

August's development work has benefited from the joint solution which, he states, could be extended into a production environment to address future compliancy regulations.

More information at:
www.NGSI.com
800-824-1220.

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