



Alliance AES Encryption with NGS-IQ

Data sheet

Alliance AES/400 Encryption and NGS-IQ from New Generation Software, Inc.

Satisfying Today's Data Security and Data Access Demands for Compliance, Reporting and Decision Making

Businesses need to provide give users with powerful tools for data mining and business intelligence

In order To meet the demands of their user community and stay competitive in today's dynamic marketplace, businesses have been are deploying Business Intelligence and query tools that are powerful and user friendly. These tools let allow end users to access data on corporate servers without needing programmer support from the IT department. The best most effective tools include a GUI interface directly on the PC and are easy to understand and use. Data can be analyzed and downloaded to the PC in many different formats. These tools have been very successful in improving the productivity of users, while enabling managers to make time-critical strategic business decisions.

Businesses need to secure sensitive data with strong encryption

The loss of sensitive information such as credit card numbers or social security numbers can do damage to a company's reputation, cause a loss of

business and profits, and create legal liability. Company management knows realizes that it needs to secure sensitive information with strong encryption, and most many large Enterprises are working toward that goal with varying degrees of success. The only way to protect customers and stakeholders is to use implement best data security practices which includes encrypting database files.

Unfortunately, the encryption of data often precludes the use of business intelligence tools and results in the loss of critical functions for end users. Additionally, system auditors are recommending that the use of these tools be curtailed because of the lack of security and audit trails. Realistically, however, taking access away from analysts, customers service staff, sales people, department managers and other important staff members is not a solution.

Combining Alliance AES encryption with NGS IQ business intelligence lets provides you have with the best of both worlds – data security and business intelligence

By deploying both Alliance AES encryption for database security and NGS-IQ as your business intelligence and query tool, you can have the data security, access control, and powerful query tools you need to satisfy end user requirements. NGS-IQ gives you control at the library, file, field, and record level as to which users have access to sensitive data. Combined with Alliance AES Encryption, NGS-IQ can actually run queries that automatically decrypt sensitive data for authorized users. You can restrict the output types to prevent query results from being downloaded to a PC or emailed as a report. And Alliance provides compliance audit at the field and record level. You will always know who had access to sensitive business data, such as specific credit card numbers or social security numbers.

How they work together

NGS-IQ implements a unique exit point capability that allows a user application to receive each selected record before it is formatted for output. This exit point is used by Alliance's AES Encryption to decrypt a field on the fly. If you select the compliance logging option, Alliance records the user name, file name, field name, date, time, and value that was decrypted into its secure audit trail. While selection and sort criteria cannot include fields encrypted on disk, the output of queries can include these fields.

The NGS-IQ query product includes Windows PC (and Web Browser) interfaces that work seamlessly in the same architecture. Since NGS-IQ does not use ODBC or file transfer in its interface, the same controls that exist for on the iSeries platform work on the PC level. You can give PC users the tools they want while maintaining the security of your iSeries data.

The result of combining Alliance AES Encryption and New Generator Software NGS-IQ is a query tool that you can deploy in a secure and auditable manner.

Features

Sophisticated query capabilities include file join, sort, select, calculated fields, and other functions need for business intelligence.

Query output formats include web-based dashboards, printouts, displays, Excel spreadsheets, Word documents, Access tables, multi-dimensional OLAP presentations, drillable HTML, PDF, XML, DB2, .CSV, .TXT and other formats. Results can be emailed or downloaded as needed.

Query access controls include library, file, field, record, and output level control at the user level.

NGS-IQ's Qport Access feature provides a native Windows GUI interface to PC users for ease of use and rapid learning.

Alliance AES encryption provides automatic generation of NGS-IQ exit programs for rapid deployment by non-technical system administrators. Programming is not required.

Alliance AES encryption provides optional audit trails of user access to sensitive data at the file and field level.

Alliance AES Encryption provides the encryption and decryption APIs needed to secure sensitive data in user applications.

Compliance audit reports provide system administrators with analysis tools needed to identify potential fraud or data loss.

System requirements

Platforms

IBM iSeries with i5/OS or OS/400 V5R1 or higher.

Windows NT/2000/XP on the client workstation

Microsoft Excel 2003 Professional Edition (for dashboard developers only)

Adobe Flash Player (for dashboard viewing)

Software

NGS-IQ family of business intelligence products from New Generation Software, Inc.

Alliance AES/400 data security from Patrick Townsend & Associates, Inc.

How to get started

Contact Patrick Townsend & Associates at (800) 357-1019 (international +1 360 357 8971) or on the web at <http://www.patowndsend.com>.