

Re: Cryptography in SQL Server 2000

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Date: 08/23/02

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I would like to introduce you to Protegrity and its Secure.Data for SQL Server 2000 Out-of-the-Box database security solution.

Often forgotten, the protection, audit and segregation of duties for sensitive data at rest within the database level are key elements of security because most data remains at rest in databases for more than 90 percent of its life. A company is vulnerable when its security solutions focus on perimeter and network, and overlook databases.

Secure.Data™ for SQL Server 2000 is an "out-of-the-box" automated database encryption solution with protected key-management software for selectively encrypting, securing and controlling access to enterprise relational database information at the data-item level. This database security solution is application transparent, which allows for fast integration, rapid execution, cost-effective security and privacy compliance. The Solution provides an effective last line of defense:

- Selective and highly secure, column-level data item encryption
- Cryptographically enforced authorization
- Comprehensive key management
- Secure audit and reporting facility
- Enforced separation of duties
- Interoperability with other security technologies
- Operational transparency to applications

Protegrity developed Secure.Data for SQL Server 2000 in close co-operation with Microsoft to meet the growing corporate, legislative and industry-wide privacy and security requirements for securing

content in databases from unauthorized and un-auditable access. For example, there are industry-wide mandates, such as local privacy laws, VISA USA Cardholder Information Security Program and also the U.S. Software and Information Industry Association method of securing credit card and private consumer data in E-Business sites. It is built specifically for Internet business solutions using Commerce Server. The software is interoperability certified for Windows Server 2000; passed the Commerce Server 2000 Integration Test; and was performance tested by the SQL Server Test Lab.

Companies select Secure.Data from Protegrity because it delivers an out-of-the-box security solution that completely protects the database, is easily implemented in one to three days, and works with no changes to underlying applications. Protegrity's Secure.Data database protection and privacy software is an industry-proven solution for any organization that requires the highest level of database protection and secure audit trail — that is why many of the largest and most successful Fortune 500 companies in the commercial and consumer finance, investment banking, healthcare, pharmaceutical, consumer products, and E-Business sectors, including credit card issuers and processors, are using Secure.Data from Protegrity for securing information, such as: credit cards, financial, compensation, secret formulas and patient records in their databases.

Further information about Protegrity's Secure.Data solution for Microsoft SQL Server 2000, as well as more information about other Secure.Data information-privacy products and services is available by contacting Protegrity at:
www.protegrity.com/microsoft

"Anith Sen" <anith@bizdatasolutions.com> wrote in message news:<ONeDVgeSCHA.1496@tkmsftngp11>...
> *SQL Server does not provide any inbuilt encryption method.*
> *You have to use MS Crypto APIs from your front-end to*
> *develop your own methods to implement encryption solutions.*
> *If this is for password encryptions, I guess, there are a few*
> *undocumented methods like PWDENCRYPT, PWDCOMPARE etc which*
> *you may use (not recommended). Also check out*
> *<http://www.sqlsecurity.com/DesktopDefault.aspx?tabindex=1&tabid=2>*