

Information Management Software Services

IBM InfoSphere Guardium Encryption Expert Capability



The ramifications of being found non-compliant or having a security breach while not exercising due diligence (implementing the security standard) can be hefty.

IBM Encryption Expert (EE) was developed to provide the following key capabilities:

- High performance of strong data encryption
- Application transparency
- Separation of duties/roles
- Access auditing
- Enhanced access control

Highlights

- *Leverage the industry's premier database experts to seamlessly install with minimal downtime with your IBM InfoSphere Guardium Encryption Expert*
- *Ease your IBM InfoSphere Guardium Encryption Expert implementations and migrations with assistance from our consultants*
- *Prepare and plan for future IBM InfoSphere Guardium Encryption Expert integration and migrations in your existing environment with assistance from our consultants*
- *Gain IBM InfoSphere Guardium Encryption Expert skills quickly and efficiently with expert advice and knowledge transfer directly from our consultants*

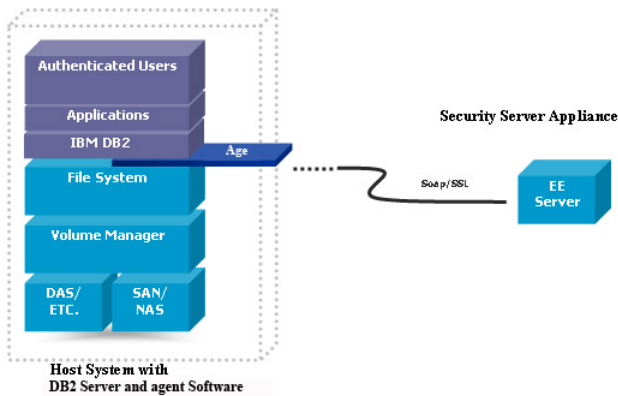
Data Security has never been more important or required more thoughtful discipline on the part of information technology practitioners. There are many factors driving the need to put even tighter security controls on organizational information, including:

- Regulatory compliance
- Pervasive threats from more and more sophisticated hackers
- Securing proprietary or business value assets
- Mitigating risk from external as well as internal threats

Regulatory compliance is a special factor driving many data security measures. Government regulations as well as the private sector's Payment Card Industry (PCI) security guidelines are requiring increased data security measures. Data encryption is implemented to comply with the governing body's security standards.

IBM EE is a data at rest encryption solution and is intended to secure data from unauthorized access. Unauthorized access can come in the form of hackers who have penetrated other security defenses or known users, even super-user accounts, who do not require access to the protected data. Blocking and/or auditing data access, as provided by IBM EE, is a powerful tool when developing your security strategy and confirming data governance compliance.

IBM EE can be used to secure more than DB2 data files. IBM EE policies can be used to protect configuration files, load files, export files, and other DB2 related files. The application of the policy is transparent to DB2 and therefore transparent to all users and applications connecting to DB2 databases.



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The EE policy and its rules control all access to the protected files. Any user, including DBAs or super users such as root, can be denied access to the DB2 data files. The effect of implementing IBM EE is that all data access must come in via DB2 connections and are subject to DB2 authorities and privileges. IBM EE can also validate the software that runs the instance of DB2 by comparing a signature of the files that issued the request to a secure hash value. This capability prevents would-be attackers from replacing key components in an attempt to circumvent access controls.

What Information Management Services has to offer

When engaging the Information Management Software Services team, you can be confident that you are working with the industry's leading experts. IBM InfoSphere Guardium Encryption Expert Installation and Configuration Support will include the installation of one Security Server and online and/or offline data protection agents on one AIX database server. Any existing data will be converted to an encrypted state. Encryption, access control, and audit policies will be created and configured per your requirements. In addition, you will gain DB2 EE skills quickly and efficiently with expert advice from our mentors.

Deliverables

- Installation and optimization of the Security Servers and agents
- IBM InfoSphere Guardium Encryption Expert implementation plans for client applications incorporating IBM InfoSphere Guardium Encryption Expert data protection
- Development of applicable IBM InfoSphere Guardium Encryption Expert data protection policies
- Data migration plans for applicable data
- Relevant test plans and test cases
- Documentation of results, operational processes and procedures
- Knowledge transfer to relevant client personnel

Benefits

This service engagement will leverage best practices and methodology to ensure a low risk project and a quick return on your IBM InfoSphere Guardium Encryption Expert software investment. Proven processes and standard collateral will reduce costs and project risks. You will gain knowledge transfer and lessons learned from our experts.

For more information

For more information, please visit the IBM Information Management Services web site at:
ibm.com/software/data/services