



Spotlight LockUp™ Services

Introduction

Data Security is on everyone's mind these days. Businesses of all sizes have experienced massive data breaches of their customer's sensitive information, resulting in major legal issues and loss of customer trust...and business. Most of the data breaches are from bad actors "hacking" the customer's database to obtain the sensitive information stored there.

Most data security systems today are very expensive and require multiple servers, networks and endpoints. Often, mid-tier business merely have to ensure that a modest number of data elements (e.g. Social Security Numbers, Credit Cards, Salaries, etc.) are fully protected from unauthorized use. Companies often try:

ENCRYPTION AT REST – Most disk controllers have the ability to automatically encrypt data stored on the disk. This method of protection is valuable only if the physical disk is removed or stolen...it does NOT protect the actual data read from the disk since the sensitive data is unencrypted before use by the database!

ACCESS CONTROLS/VIEWS – Major database systems have the capability to limit access to databases, tables and even individual columns based upon Users/Roles/Profiles/Views, etc. However, these methods depend on a complex set of setup and maintenance procedures to ensure data security and compliance. One mistake or a malicious internal user can compromise the system.

Overview

Spotlight's LockUp™ provides an additional level of physical data encryption for columns of sensitive information – limiting access to designated users. It is a much more cost-effective solution for mid-tier companies and requires no additional infrastructure to implement. DBA's can only view encrypted data no matter what database permissions they have.

Implementation

Spotlight Technology LockUp™ is implemented as a set of Database User Defined Functions (UDF's) based on the American Encryption Standards (AES) recommendations for data security. Only authorized users hold the "key" to the data. The key is in addition to all other database security mechanisms and is stored NOWHERE in the database itself. UDF's are "invisible" to the unknowing user and, without the key, will not return unencrypted data.

Spotlight Technology LockUp™ Deliverables consist of the following:

- Lockup™ User Defined Functions
- Installation
- Documentation
- Demo Database / Tables
- Scripts For Testing & Validation
- End-User Training Session via Webex

Spotlight Technology

Data Warehouse, BI, Analytics, and Visualization Products/Services for the Teradata Marketplace



LockUp™

Added Products/Services

Additionally, Spotlight offers a variety of Products and Services for the Teradata marketplace. Each product and service is integrated where applicable to use the deliverables of other Spotlight Products and Services.

StartUp™ - Teradata Best Practices Implementation

TuneUp™ - Performance Optimization

CheckUp™ - System Utilization and Capacity Planning

LockUp™ - Database Attribute Encryption-at-Rest

Summary

Spotlight Technology's LockUP™ is designed to be an easy-to-implement, easy-to-use data security solution for mid-tier businesses that want to protect individual sensitive data elements at a modest cost.

If you would like more information about Spotlight's LockUp™ Solution, please contact us at sales@spotlighttechnology.com ...and let's LockUp and protect your most sensitive data!

Spotlight Technology is an authorized Teradata partner
Spotlight Technology is a Tableau Technology Partner
Teradata™ is a registered trademark of the Teradata Corporation
Tableau™ is a registered trademark of Tableau Software, Inc.

Spotlight
Technology 
2160 Mulligan Dr
Colorado Springs, CO 80920
719.268.6630
www.SpotlightTechnology.com