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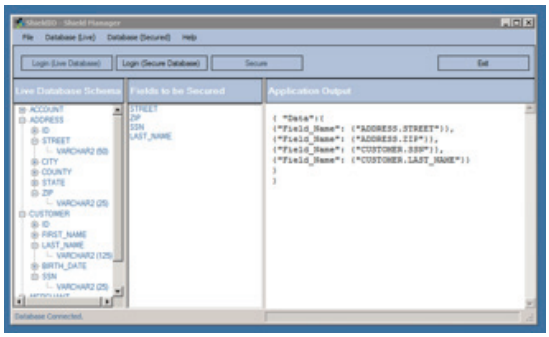
DATA SHEET

Opening Encrypted Production Data for Dev/Test

Developing against real, live data is the gold standard for application developers and testers, however increased security and compliance concerns have moved real live data out of reach. Developer Shield is an groundbreaking solution which solves this problem, by allowing developers to access and use real data securely, revolutionizing the development process while maintaining speed and security levels that until now have been elusive.



Developer Shield™ enables testers and developers, both locally or offshore, to access real production data for their projects, securing intellectual property, sensitive data, and data that is subject to regulations, such as GDPR. It accelerates testing and improves results by allowing development testing with real encrypted data eliminating the need to create mock or masked data-sets that do not properly simulate the production . Developer Shield uses homomorphic encryption, which allows testers to search and do analytics on encrypted data without decrypting it. As a result, sensitive fields cannot be read in plaintext and it provides a virtualized encrypted database that can be fully used.

DEVELOPER SHIELD

BENEFITS

Faster development cycle and testing with real production data

- Enables use of encrypted production data during dev/test
- No need for masking or creating fake data
- Reduces patching and identifies more bug in testing cycle by using real data – encrypted
- Provides format preserving masked data for display only

Secure sensitive fields for test/dev database using Holy Grail of encryption – AES 256 Real Time Homomorphic Encryption

- Safely running analytics and search across the entire data set derived from production
- Query, search and perform mathematics/analytics on encrypted data without the necessity to decrypt
- Offshore developers can have complete test data without the risk of exposing sensitive information
- Hardened Encryption using Multi-Algorithmic encryption eliminating the reliance on keystores

Eliminate the need for reloads from Production or Dev/Test Master

- Virtualized database instance across multiple desktops creating an individual virtual data-set
- Each developer/tester is able to utilize, change, delete, update and search, without impacting others
- Reduce the volatility of test databases due to concurrent access
- Comprehensive test data which can be refreshed on demand without the need for assistance from DBAs