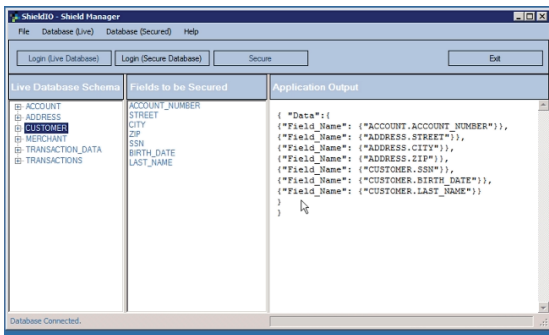




**DATA SHEET**

# Enabling Encrypted Production Data

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 a 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 or CCPA. 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 production. Developer Shield™ is built on ShieldIO AES 256 Realtime-Homomorphic Encryption Secure Autonomous Drivers enabling mathematic equations, full-text search SQL statements to be executed without decrypting the encrypted fields enabling access to real production data while the sensitive data remains encrypted at rest, in transit and in use.

## DEVELOPER SHIELD BENEFITS



### FASTER DEVELOPMENT CYCLE AND TESTING WITH REAL PRODUCTION DATA

- > Enables secure use of production data for dev/test
- > Reduces patching and identifies more bugs in testing cycle by using real encrypted data
- > Faster time to value - No need for manual masking or creating fake data



### SECURE SENSITIVE FIELDS FOR TEST/DEV DATABASE USING HOLY GRAIL OF ENCRYPTION - AES 256 REAL TIME HOMOMORPHIC ENCRYPTION

- > Data stays encrypted at rest, in transit and in use with no need to decrypt the encrypted fields
- > Safely run analytics and search across the entire (encrypted and plain) data set derived from production without ever decrypt the data
- > Offshore and on site tester developers can test against complete test data sets without exposing sensitive information
- > Hardened Encryption using Multi-Algorithmic encryption eliminating the risk of hacked keystores used to expose protected data



### ELIMINATE THE NEED TO MANUALLY RELOAD DATABASES

- > Developers/testers use individual virtual test databases
- > 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
- > Refresh test databases on demand without the need for assistance from DBAs