

# Masking, scrambling and controlling sensitive data with ActiveBase Security™

Data Security

ActiveBase Security software provides an automated data security solution for sensitive data stored in mission critical production systems, QA and development environments - without touching the data in the databases or applications.

At the same time, it allows professionals to access application functionality and sensitive data for legitimate business purposes.

ActiveBase Security is an independent audit and proactive security solution that satisfies compliance requirements and powerful real-time security enforcement while preserving application performance.

It intercepts user requests before reaching the database, applying predefined and customized security policies in real-time, changing the results returned without touching the actual data in the database.

ActiveBase Security is easy to deploy and fully transparent to clients, applications and databases.

**ActiveBase Security provides powerful masking algorithms that can be used for securing your sensitive data:**

- ✳ Data substitution, replacing a value in the column with fictionalized data
- ✳ Hiding/nullifying, which replaces column values with NULL or "\*\*\*\*"
- ✳ Randomization, replacing the value with random data
- ✳ Skewing, which alters the numeric data by a random variance
- ✳ Applying mathematical function making substitutions based on custom functions, or other algorithms
- ✳ Character substring masking, which replaces a particular substring with a custom mask

ActiveBase Security does not change the actual data residing on the database server. It simply intercepts and changes the unauthorized requests in real-time, before reaching the database, By not touching the original data, the integrity of database relationships is preserved, enabling users work through the interface screens while sustaining business validity.

Masking rules can be propagated across applications, development tools and environments to simplify standardization and compliance.

Full auditing is provided and policy simulations enable to see the effect of scrambling/masking on incoming user requests. Auditing and reporting allow your organization to demonstrate your compliance with legislation requiring data privacy. Driving ActiveBase Security provides centralized management of all application data throughout an organization from a unified, integrated platform.

### Features

- ★ User-defined and pre-packaged masking and scrambling policies
- ★ Integrity preservation and realistic data replacement
- ★ Rules can be propagated to heterogeneous environments
- ★ Rule masking/scrambling simulation
- ★ Auditing and reporting

### Benefits

- ★ Secures sensitive application data
- ★ Enforces privacy regulations
- ★ Enables safe data sharing
- ★ Prevents unauthorized users from accessing sensitive data
- ★ Reduces risk of data breaches