



Protecting Personal Health Information on Oracle Database

The Challenge

A large internationally recognized health care provider needed to secure patient records and comply with the federally mandated Health Insurance Portability and Accountability Act (HIPAA) and the Health Information Technology for Economic and Clinical Health act (HITECH) regulations for a large Oracle database application used by thousands of physicians, nurses and support staff.

In particular, they needed to address the Protected Health Information (PHI) privacy regulations requiring that access to personally identifiable health information be audited and explicitly controlled. Because the healthcare provider's business intelligence and other applications used generic database user IDs, monitoring at the database level alone lost the user ID. Auditors could not correlate the actual user with the sensitive data accessed. This prevented the provider from meeting a critical compliance requirement for auditing and controlling access at the user and role level.

The Solution

After reviewing a wide range of data protection and compliance solutions, the healthcare provider selected Teleran's solution. It provided compliance auditing and data access policy controls that enabled the provider to protect sensitive patient health information by applying policies at the individual user level independent of the applications and databases.

Teleran's Identity Persistence™ capability ensured that each user was identified, his or her data access audited and their access appropriately controlled. With Teleran, the provider was able to expand the access to a broader range of healthcare staff across their network of clinics with confidence that their patient data was protected and HIPAA PHI requirements were quickly and cost effectively met.

BENEFITS DELIVERED

Lowers compliance costs and risk with packaged HIPAA reporting and data access controls

Identity Persistence correlates database SQL transactions despite user ID masking and connection pooling

Delivers real-time access controls automatically adapted to each unique application and user

Applications Integration enables audit reporting at user, applications and database layers

Identifies and alerts to suspicious user behavior for immediate response

Key Benefits Delivered

Teleran's Data Protection and Compliance solution provided the following benefits and advantages over competitive products in the market.

- Captured users' identity and correlated it with all SQL transactions at the database despite the use of connection pooling, single sign-on and generic database IDs
- Delivered real-time context-sensitive access controls automatically adapted to each unique application and user and their role
- Applications integration enabled audit and protection of the entire environment from the users through the application layer to the data
- Identified suspicious user behavior and data usage patterns for immediate response or further analysis
- Lowered compliance costs and risk with packaged HIPAA and HITECH reporting and controls

For more information on Teleran's Data Protection and Compliance Solution visit www.teleran.com or call +1.973.439.1820.

