

# Public Sector Case Study

## Securing a New Application Rollout

### Client Overview

#### Key Issues:

- Entity locates all taxable property in the county and identifies ownership
- Establishes a taxable value for all property subject to property taxation
- Program entails a five-year technology overhaul with multiple phases
- Program includes an Assessor Portal that allows users to go online, locate a property and access up to three decades worth of assessment data
- Identity and Data Security were part of Phase 2 scope
- Program imperative – reduce risk:
  - Encrypting data at rest and transit
  - Real time audit of emails
  - Generate various audit reports
  - SQL monitoring and alerting
  - Centralized Key Management



### How Our Consultants Helped

- Completed an analysis to gather use cases, requirements and implementation needs
- Delivered technical design and implementation plan for Oracle's Audit Vault/Database Firewall, Transparent Data Encryption and Key Vault products
- Enable encryption on non-production and production databases
- Implementation of the Oracle Data Security tools in conjunction with the program roll out
- Implement accountability for database activity
- Enable fine-grained auditing activity reports in a centralized log management system



### Results

- Successful database log consolidation and monitoring with real time email notification
- Encryption of data at rest and in transit on the non-production and production databases
- Monitor Suspicious Database Activity
- Provided client the ability to generate reports on database access/activity, key rotation and unauthorized/suspicious SQL
- Increase client self-sufficiency: detail sharing on the system implementation and ongoing maintenance/support
- Increased data security for three decades of property tax information
- Agility to respond to expanded implementation scope as the broader program rolls out the remaining phases