Professional Services Firm Case Study
Address GDPR mandate to improve Oracle Database Security Posture

Client Overview

Key Issues:

- Fortune 500 Professional Services firm with a material European presence
- Client had transitioned to a DevOps, Agile model, with 40 Oracle DBA's
- Most of the applications running on the Oracle Databases were custom or heavily customized COTS applications
- GDPR mandated enhanced security controls over the Oracle Databases running core business applications
- Chief Privacy Officer and Enterprise Architect identified two key use cases (Oracle exa-based databases) as priorities in the GDPR mandate. They selected Oracle's Enterprise User Security (EUS) and Advanced Security Option/Transparent Data Encryption (ASO/TDE) products to address the use cases

How Our Consultants Helped

Deployed the EUS Use Case:

Provide centrally-managed, individualized user accounts and policy/role-based data access that will be provisioned and deprovisioned, based on role/requirements for access to data specific to the user's role of job function. Allow for authorization, account and role synchronization with Azure AD across database systems to streamline access and password management to multiple data stores. Create data classification driven data security policies to restrict sensitive and PII data access to role or job functions that do not require access. Implement "Privacy by design" and "least privileged" access to sensitive data while supporting nonintrusive: security measures, data access and business to data.

Deployed the Data Encryption Use Case:

Data encryption at rest, backups, encryption key change & key management for the data tier. All activity involving encryption keys shall be logged and audited.

Results

Use Cases implemented on time/on budget:

- Data Encryption (128 bit) across 15 databases
- EUS – enterprise user security and tracking to specification of EUS Use Case
    - Authentication and authorization with Azure AD
    - Provisioning/Deprovisioning with SailPoint
- Documentation/runbook with data security maturity mapping and GDPR articles benefited from project
- Knowledge sharing along the way with multiple training sessions at project milestones

CrossGEN