

Enterprise Edition Features in Oracle SE2

Part 2: Transparent Data Encryption

Who are we?

- John Watson
 - Oracle Certified Master DBA
 - Director, SkillBuilders Oracle Database Services
- Garry Lawton
 - SkillBuilders Senior Systems Analyst
 - APEX Developer PLUS!
- Dave Anderson
 - Founded SkillBuilders 1994, President and DBA
 - Oracle DBA, some development background

Agenda

- Today, we dive straight in....
- Transparent Data Encryption: demo
- A word on key management

Watch video at

[https://skillbuilders.com/course/
how-to-build-tde-in-oracle-database-se2/](https://skillbuilders.com/course/how-to-build-tde-in-oracle-database-se2/)

Transparent Data Encryption

- The Advanced Security Option: licence on top of EE
 - Transparent column encryption
 - Transparent tablespace encryption
 - Implemented declaratively
- Standard Edition equivalent
 - Transparent column encryption
 - Implement with views and triggers

Key management

- Advanced security option
 - Software keystore: a wallet
 - Oracle Key Vault: third party hardware security modules
- Standard Edition options
 - Store in the database or the file system
 - Access with definers rights code
 - Context variables may be useful

SkillBuilders - Oracle Database Experts

- Database administration services
- APEX in the cloud hosting, AWS and OCI
- Application design and development
- Teaching and mentoring
- Coming soon – half day classes on specific topics
 - Partitioning and parallel processing
 - Advanced security: encryption, data redaction, privilege analysis

Ciao for Now

Thank you for attending!

John Watson, Oracle Certified Master DBA

Dave Anderson, SkillBuilders Founder, DBA