



# Effective Oracle Database 10g Security by Design

*By David Knox, McGraw-Hill*

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Oracle security expert David Knox explains how to design and develop an integrated, secure Oracle environment. “In my experience in the security world, including 32 years at the Central Intelligence Agency, I’ve not found anyone with more experience in the theory and practice of protecting your data than David Knox.” --Dave Carey, former Executive Director of the CIA

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## Effective Oracle Database 10g Security by Design By David Knox, McGraw-Hill Bibliography

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## **Editorial Review**

From the Back Cover

Protect Your Mission-Critical Data with Tips and Tricks from an Oracle Security Insider

Oracle expert David Knox has written the most practical, up-to-date book on Oracle Database 10g security available. With an emphasis on real-world problems and detailed solutions, *Effective Oracle Database 10g Security by Design* provides all the information you need to develop and deploy secure database applications. The entire security cycle is covered--from identification and authentication to fine-grained access control and encryption to effective auditing techniques. The material is presented with comprehensive yet easy-to-understand examples that show how to use all the security technologies in a complementary way.

- Assess database vulnerabilities and develop effective security policies
- Preserve user identity with in-depth analyses of JDBC connection pools, proxy authentication, and client identifiers
- Manage database users from a central directory without sacrificing security
- Lock down database access using secure application roles
- Leverage application and database security within Oracle's Identity Management infrastructure
- Validate user privileges by using simple views and scripts
- Protect individual data elements by using the new Oracle DBMS\_CRYPTO package
- Exploit database views to provide row-level and column-level fine-grained access controls
- Enforce need-to-know access and data privacy with Virtual Private Database and Oracle Label Security
- Ensure user accountability with Oracle fine-grained Auditing

David Knox is the chief engineer for Oracle's Information Assurance Center and is one of the premier educators worldwide on Oracle security. While at Oracle he has worked on wide-ranging security programs for various customers including the U.S. Department of Defense, intelligence agencies, financial services companies, and healthcare organizations.

### **About the Author**

David Knox (Chantilly, VA) is the Chief Engineer for Oracle's Information Assurance Center – Oracle Corporation's Security Center of Excellence. Mr. Knox joined Oracle Corporation in June 1995. While at Oracle, Mr. Knox has worked on many security programs for the US Department of Defense, various Intelligence Agencies, Healthcare and Financial Services industries. His knowledge in computer security derives not only from working knowledge and experience with Oracle's security products and database security, but also his academic studies in the areas of multilevel security, cryptography, LDAP, and PKI. David earned a bachelor's degree in Computer Science from the University of Maryland and a master's degree in Computer Science from Johns Hopkins University.

## **Users Review**

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**Donna Cook:**

This Effective Oracle Database 10g Security by Design book is not really ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book is definitely information inside this publication incredible fresh, you will get facts which is getting deeper you read a lot of information you will get. That Effective Oracle Database 10g Security by Design without we understand teach the one who reading through it become critical in contemplating and analyzing. Don't be worry Effective Oracle Database 10g Security by Design can bring if you are and not make your case space or bookshelves' turn into full because you can have it with your lovely laptop even telephone. This Effective Oracle Database 10g Security by Design having good arrangement in word and also layout, so you will not feel uninterested in reading.

**Donald Kelley:**

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**Angela Souther:**

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