

Auditing and Securing Oracle Databases - CPE Opportunity!!!

New Date & New Lower Price - Due to trainer availability beyond our control, we are changing the date of the Oracle training from November 20 and 21 to December 4th and 5th. As a concession, MISTI has reduced their fee, resulting in reduced training fees (see details below).

Seminar Objective - In this comprehensive two-day seminar, you will learn Oracle's database facilities, terminology and activities you need to know to provide security and controls over Oracle software. You will uncover the risks Oracle introduces and the exposures it reduces. You will explore Oracle's approach to the client/server and Web processing environments, and discover the impact Oracle has on your enterprise's organization, security profiles, and information technology standards. Using a case study, you will plan an audit and determine the technical evidence you will need. You will analyze real-world examples of Data Dictionary view reports, parameter specifications, scripts, and trace data for evidence of security and integrity problems. You will learn the steps to prepare for an interview with the Database Administrator (DBA), and to present your report with technical findings and recommendations. Class exercises will reinforce what you learn, and you will receive an audit and security program and checklist you can put to use immediately. See complete course description at the end of this flyer.

Date: Thursday, December 4 and Friday, December 5, 2008

Time: 8:00 AM - 5:00 PM

Location: Sprint Nextel World Headquarters
6360 Sprint Parkway (Building 6360)
Overland Park, KS 66251

Parking: Parking garage L

CPEs: 15

Price: Early bird registration, ISACA member, \$385 - through November 14, 2008
Regular registration, ISACA member, \$450 - after November 14, 2008
Non-ISACA member, \$450 - begins November 24, 2008. Non-members may waitlist anytime; fees will not be accepted until November 24, 2008

Class Size: Limited to 35 participants

Instructor: Betty J. Dorsey is a Senior Technical Consultant and Training Specialist focusing on the areas of database and systems management. Ms. Dorsey has extensive experience using, auditing, securing, and providing training for several DBMSs. She has worked with datamarts, data warehouses and standard databases, and has been working with Oracle's suites of applications since 1994. See complete instructor bio at the end of this flyer.

Registration Includes: Course materials, parking, breakfast, lunch, afternoon snack, and beverages (water, tea, coffee, and soft drinks). Thursday breakfast is an assortment of classic breakfast sandwiches with potatoes and assorted seasonal fruit. Thursday lunch is your choice of chicken parmesan or sausage & peppers, accompanied by Caesar salad, roasted broccoli with lemon, rotini marinara and biscotti. Friday breakfast is fresh muffins, scones and Danish with hard boiled eggs, seasonal fruit, butter & jam. Friday lunch is your choice of beef or chicken fajitas served with refried beans, Spanish rice, chips & salsa and cinnamon crisps. Snack each day includes assorted chips, nuts and trail mix, and specialty deluxe cookies. Menus are subject to change without notice, based on availability or events beyond our control. Please indicate special meal requests during registration. We will do our best to accommodate.

Registration: Contact Jerry Wistrand at g.wistrand@att.net or (816) 760-7813. Payment instructions will be provided to you in email. Registration fees must be paid by November 28, 2008 to secure your seat and course workbook. Please also direct any questions to Mr. Wistrand.

Auditing and Securing Oracle Databases - ASE351

A Case Study Using the Security and Integrity Features in Oracle to Perform Control and Security Assessments

Focus and Features

The Oracle Database Management System remains the world's most popular DBMS. In this comprehensive two-day seminar you will learn Oracle's database facilities and terminology along with the activities you need to know to provide security and controls over Oracle software. You will uncover the risks Oracle introduces and the exposures it reduces. You will explore Oracle's approach to the client/server and Web processing environments and discover the impact Oracle has on your enterprise's organization, security profiles, and information technology standards.

Using a case study, you will start by planning an audit or review and by determining what technical evidence you will need. You will then analyze real-world examples of Data Dictionary view reports, parameter specifications, scripts, and trace data for evidence of security and integrity problems. You will learn the steps to take to prepare for an interview with the Database Administrator (DBA), and to present your report with technical findings and recommendations. In addition, class exercises throughout the session will reinforce what you learn, and you will receive an audit and security program and checklist you can put to use immediately.

Prerequisite: Because of Oracle's dependence on operating system controls, you should be knowledgeable in the controls provided by your Windows-, Unix- or z/OS-type system.

Agenda

What You Will Learn

1. Oracle Environments

- terminology
- components and products
- platforms
- architecture
- basic risks and exposures
- demonstration: getting started
- case study: defining the audit review objectives

2. Oracle Objects

- basic data objects
- program-type objects
- evidence: data dictionary and dynamic performance "views"

- case study: delineating the environment

3. The Security Mechanism

- user identification
- high-risk users
- authentication
- roles and profiles
- system privileges
- object privileges
- SQL DCL: GRANTS and REVOKES
- case study: analyzing basic access controls

4. Security Features

- views
- stored procedures and triggers
- product_user_profile
- remote login password files
- virtual private databases
- OS file security
- encryption
- case study: evaluating security features use

5. Database Record Mechanisms

- objectives
- methods
- the audit feature
- fine grain auditing
- transaction auditing
- trace files
- case study: assessing recording mechanisms use

6. Integrity Features

- constraints
- referential integrity
- triggers
- change management
- case study: evaluating integrity feature use

7. High-Risk Commands and Utilities

- backup/recovery
- scripts
- enterprise manager
- trace files
- parameter files
- case study: analyzing the operational environment

8. Organizational Impact

- security profiles
- roles and responsibilities
- auditing the DBA function
- areas for standardization
- audit questions
- case study: preparing to interview the DBA

9. Audit and Security Approaches

- general risks
- audit types
- sample audit program
- security checklist
- case study: writing the report

10. Wrap-Up

- objectives review
- evaluations

Betty J. Dorsey

Betty Dorsey is a Senior Technical Consultant and Training Specialist focusing on the areas of database and systems management. Ms. Dorsey has extensive experience using, auditing, securing, and providing training for DB2, Informix, Oracle, MS SQL Server and Sybase, as well as traditional database management systems such as IMS and IDMS. In addition, she has worked with data "marts," data warehouses and standard databases, and has been working with Oracle's suites of applications since 1994.

Mrs. Dorsey has over 25 years of experience in information technology, currently consulting and teaching for Automated Design Enterprises (ADE). Her clients include a number of Fortune 500 companies, as well as federal and state agencies. She has also served international clients in Europe, Central America, Canada, and the Middle East.

Formerly with American Natural Resources, Mrs. Dorsey was Manager of Data Administration and founded and directed a group of 25 persons responsible for database, data dictionary, control framework, and report writer/query software. Prior to that she was a Systems Engineer with IBM, where she was responsible for system installations, technical benchmarks, and several large data communications/database projects. She has also been a Programming Supervisor for a bank in Texas, and a Systems and Programming Manager for retail store chain in Washington, DC.

Mrs. Dorsey has authored several articles for *Infosecurity News* and the *IS Audit and Control Journal*. She is a member of ACM, SIGMOD and SIGSAC.