



# **Advanced Oracle for Business Intelligence Users 2-day Workshop**

Do you have SAS, Cognose, Business Objects or a similar business intelligence/rollup tool? Do you have an Oracle data warehouse that users regularly drill into for complex business information mining?

Could your business intelligence users benefit from a better understanding of Oracle and the SQL language?

This workshop picks up where Oracle for Business Intelligence Users 2-day Workshop left off. This course focuses on the advanced SQL topic of Oracle's Analytical SQL...SQL specifically for the business intelligence user. Using this new type of SQL in your existing business intelligence tools will allow for more powerful Oracle drill-down and rollup/cube type functions to be performed at the database level better utilizing your investment in the database hardware platform.

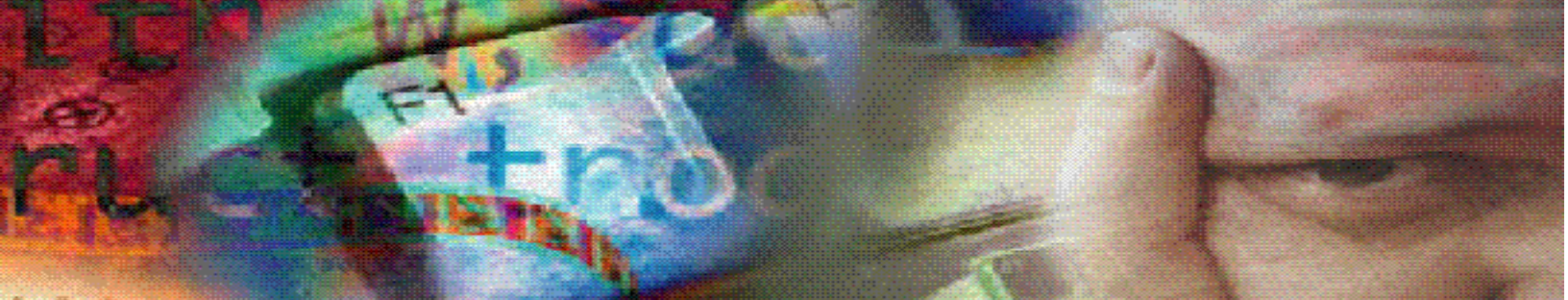
The attendees will have the opportunity to construct various SQL statements to solve simple and complex business questions using Oracle's new Analytical SQL functions.

The second half of this workshop will focus on SQL tuning. Better running SQL statements means more productive use of the computing environment with less reliance upon your IT professionals.

The course utilizes the Golden tool set. Students will have the opportunity to learn more about Golden during the course of study. Knowledge of Golden is not a requirement of this workshop.

## **Workshop Prerequisites:**

Oracle for Business Intelligence Users 2-day Workshop.



### **Topics covered:**

- Oracle Analytical SQL
  - Rollup/Cube
  - Rank/Over
  - Percentiles
  - Offset Functions
- Introduction to SQL Statement Tuning:
  - Using Explain Plan Tools
  - Reading SQL Explain Plans
  - Understanding the Oracle SQL Optimizers

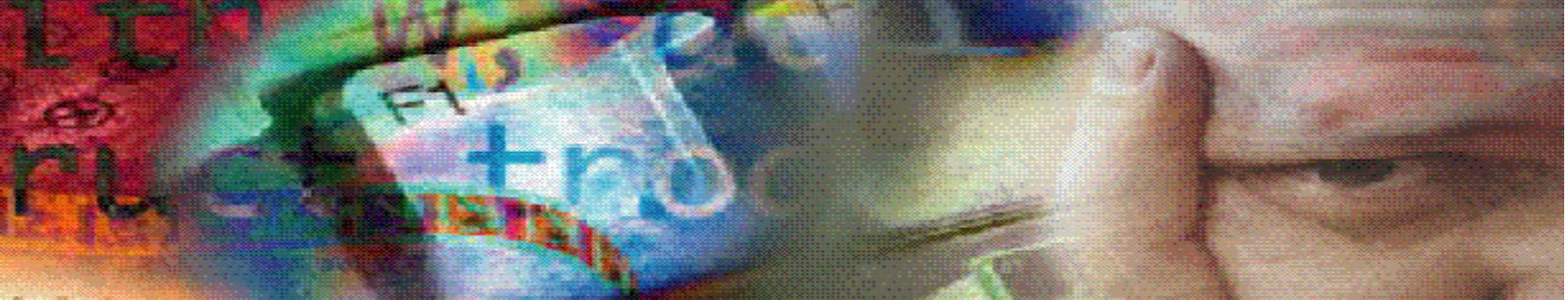
Lectures and topics are enhanced with live illustrations and hands-on exercises

### **Attendees Receive:**

- Study guide with presentations and relevant white papers
- Book: Oracle9i Development by Example
- Diskette full of example SQL and SQL\*Plus scripts
- Opportunity to ask the tough Oracle questions
- A hands-on opportunity to learn more about Oracle and Golden

### **Course Outline:**

- Day 1: Introduction to Oracle Analytical SQL
  - Group by clause ROLLUP and CUBE functions
  - Analytical Functions
    - SELECT clause
    - Inline Views
  - Over Clause
    - Partitioning sub-clause
    - Ordering sub-clause
    - Windowing sub-clause
    - Creating Tables
  - Percentiles Functions
  - Physical and Logical Offset Functions
    - Sliding windows
      - Rows/Range clauses
      - Unbound Preceding/Following
- Day 2: SQL Statement Tuning
  - Oracle RDBMS Architecture overview
  - Understanding/Reading/Interpreting Explain Plans
  - Index Review/Tips & Techniques
  - Understanding the Oracle Rule-based Optimizer
  - Understanding the Oracle Cost-based Optimizer



### **About Dan Hotka:**

Dan Hotka is a Training Specialist who has over 25 years in the computer industry and over 20 years of experience with Oracle products. He is an internationally recognized Oracle expert with Oracle experience dating back to the Oracle V4.0 days. Dan's latest book (co-author) is the Oracle10g on Linux by Oracle Press. He is the author of Oracle Utilities Pocket Reference by O'Reilly, Oracle9i Development By Example and Oracle8i from Scratch by Que and has co-authored 6 other popular books. He is frequently published in Oracle trade journals, and regularly speaks at Oracle conferences and user groups around the world. Visit his website at [www.DanHotka.com](http://www.DanHotka.com). Dan can be reached at [dhotka@earthlink.net](mailto:dhotka@earthlink.net).

### **Reference from one client to a prospective client (Fall 2003):**

*As Coordinator of Human Resources Development, I oversee training and development for all of our employees (approximately 1400 employees).*

*In May of this year, I hired Dan Hotka as an independent contractor to train 36 of our programmers on our campus. Dan worked with one of our IT managers and myself to customize a SQL Tuning and Troubleshooting program that would meet our specific training needs.*

*The resulting program exceeded our expectations, and our employees came out of the training with skills that they were able to immediately apply to their jobs.*

*From my perspective, one of Dan's greatest strengths as a trainer is that he has real world experience using the software. He's not just a trainer who has learned the software and teaches a class. When I contract with a trainer, I expect him to be able to answer specific questions that our employees have about the work they are doing. Dan was able to take on that consulting role and apply the software to the work we are doing here.*

*We have recently approved our development plans for FY04, and I am certain that we will be working with Dan to develop training programs again this year. I would most definitely recommend Dan Hotka to our best clients because of the real world experience he brings to the classroom and his willingness to meet our specific training needs.*

*Regards,  
(name and company withheld by request)*