



Oracle Tuning Tips and Techniques

1-Day Seminar

Give your technical staff that competitive edge with this local Oracle Workshop. This course will cover a variety of SQL statement tuning issues, controlling the Oracle optimizers, tips and techniques for good relational/application design to take advantage of Oracle's b-tree indexing structures, and advanced topics such as Oracle Trace, Stats Pack, and a variety of parameter settings that make a big difference to Oracle-based applications. One-fourth of this workshop focuses on monitoring Oracle RDBMS and SQL via the v\$ tables. This course is packed full of scripts to discover a variety of issues.

This course also covers new features in Oracle9i/10g that will have an affect on your migrated applications.

The course utilizes a variety of current tools. Students will have the opportunity to learn more about TOAD, TextPAD, JS Tuner, as well as the Oracle tools like SQL*Plus.

Topics covered:

- SQL Tuning Topics for the Intermediate and Advanced Tuners/DBA's
- Advanced problem-solving topics using V\$ Table information
- Using Stats Pack & Oracle Trace/TKProf
- New Oracle9 & 10 Tuning & Space Management Features
- In-depth look at Explain Plans
- SQL Troubleshooting/problem solving

Lectures and topics are enhanced with live illustrations

Attendees Receive:

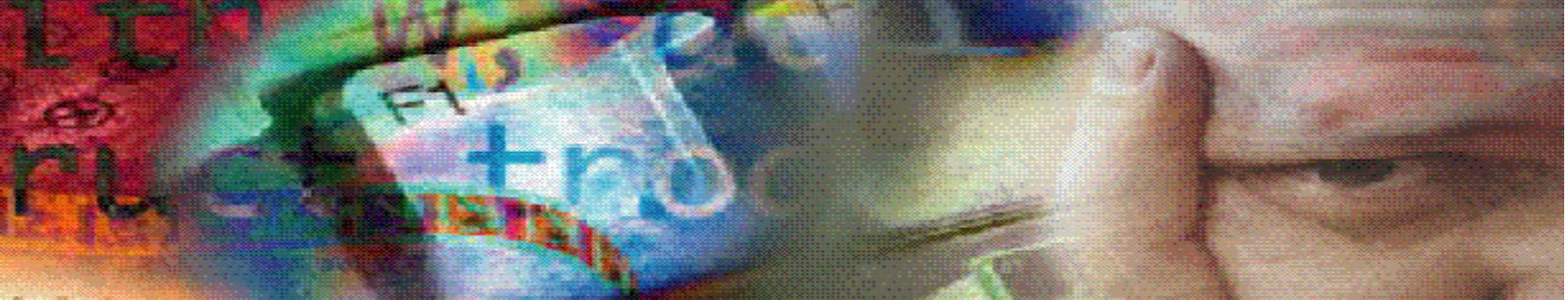
- Study guide with presentations and relevant white papers
- Diskette full of tuning and problem discovery scripts
- Opportunity to ask the tough Oracle questions
- Opportunity to learn more about Oracle



Course Outline:

- AM Session:
 - Oracle Architecture Review
 - Understanding the Rule-based Optimizer
 - Understanding the Cost-based Optimizer
 - Index Review/Index Internals
 - Application Design Issues and Indexes
 - Optimizing the Cost-based Optimizer
 - Helpful Hints

- PM Session:
 - Tuning Tool Review: Statspack, Events, Tracing/Tkprof
 - Oracle Internals: How Oracle writes
 - Various Space Management Issues discussed
 - Finding Problem SQL using v\$ information
 - Tuning the network/Tuning the client
 - Troubleshooting SQL
 - Tuning by Object Placement
 - Open problem-solving forum



About Dan Hotka:

Dan Hotka is a Training Specialist who has over 24 years in the computer industry and over 19 years experience with Oracle products. He is an internationally recognized Oracle expert with Oracle experience dating back to the Oracle V4.0 days. His current book, [TOAD Handbook](#) by SAMS is now available on www.Amazon.com. He is also the author of [Oracle9i Development By Example](#) and [Oracle8i from Scratch](#) by Que and has co-authored 5 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. Dan can be reached at dhotka@earthlink.net.

Reference from one client to a prospective client:

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)
Coordinator Human Resources Development
not-for-profit organization ,Iowa City, IA*