



Dan Hotka Presentation List

Dan Hotka
Author/Instructor/Oracle Expert
515 279-3361
www.DanHotka.com
dhotka@earthlink.net

Keynote Presentations

What does a DBA do...And How Many Do I Need?

The DBA Role

A Day in the Life of a DBA

This keynote presentation will cover not only the need for a DBA, including what a DBA does, but more importantly, it will ensure that the company understands the job function that is needed when looking for a DBA. The speaker will cover various DBA job functions and what they really mean. Attendees will learn

- how the Oracle DBA job has evolved through the years;
- what the Importance of the DBA's role is versus what the organization needs;
- how to enhance DBA job satisfaction; and
- how to retain resources.

30 Years of Taking Care of Business:

A look at the past

This keynote presentation documents some of the trials and tribulations along Dan Hotka's extensive career path. Dan takes you back to the paper-handling machine days, early UNIX and CP/M operating systems, life before the PC, and shares insights as to the progress of technology, the lack of progress in technology, best deals, best-kept secrets, and entertaining individuals (winners and losers) he has encountered in his 30 years in technology.

Writing a Book: What does it take?

If you have ever wanted to write a book, this is the presentation to attend. I have authored/co-authored 8 books on the Oracle topic now and this presentation covers what it takes to write for publication.

This presentation will cover my work on Oracle8i from Scratch, from my beginning conversations with my publisher, working on the table of contents, chapter work, illustrations, material, and most important, the power of networking. I will touch on the problems and issues I encountered, the amount of time that was required, how it has affected my career, and typical co-author/authoring arrangements.

Technical Presentations

Oracle11g New Features for Developers

This presentation is a must-see for anyone migrating to the new Oracle11g Database. The focus of this presentation is new features that would be of interest to developers.

Dan covers:

- Flashback topics
- Data Pump Features
- Database Advisors
- Database Replay
- Auditing
- Tablespace Encryption
- Pivot clause
- SQL*Plus new commands
- Read Only Tables
- SQL Query/Client Side Result Cache
- PL/SQL Enhancements including:
 - Triggers
 - Inlining
 - Dynamic SQL

Oracle11g Automatic SQL Tuning

Oracle10g introduced Automatic SQL Tuning and Oracle11g completely automates the process. See how Oracle has implemented this tuning feature using Base Lines, AWR, ADDM, OEM, and the SQL Tuning Advisor. Also see how this process can be used manually as well.

If so, then this is a must-see presentation. Dan will discuss the benefits and drawbacks of this new tuning feature being offered by Oracle Corp.

Why is my Oracle10g Database slower than my Oracle9i Database?

Have you migrated your business applications to Oracle10g from prior versions to have them suffer from unexplained performance issues? Do you notice that the explain plans have changed and indexes that were previously used in the prior database environment are now not being selected?

If so, then this is a must-see presentation. Dan will discuss a little-known Index statistic and the impact this has on new tablespace features now available in Oracle10g. Dan will even provide a script that will help identify if your database environment is suffering from this issue.

Tools of the Trade: All the Free Tools from Oracle Corp

Dan has used a variety of SQL tuning tools thru the years. This presentation will include a live demonstration on various available tools from Oracle Corp...including SQL Developer, TKProf, the new Trace Analyzer, and undocumented explain plan tools. This presentation is packed full of tips and techniques, including scripts that help find offending SQL statements.

Dan will cover these topics:

- SQL Developer
- SQL*Plus Autotrace
- SQL*Plus Explain Plan Scripts
- SQL*Plus undocumented Explain Plan features
- TKProf (Oracle Trace Facility)
- New Oracle10g Trace Analyzer
- PL/SQL Profiler (with scripts)
- JSAnalyzer – a freeware trace file tool that runs TKProf and Trace Analyzer
- JSTuner – a freeware explain plan tool that shows the ‘where clause’ predicates, includes index stat information, hints, etc

Oracle SQL Developer Tips and Techniques

There hasn't been a free integrated development environment for Oracle since the TOAD tool was freeware! Learn more about this exciting new tool from Oracle Corp. This presentation will include a live demonstration on various tips and techniques in using this tool to work with SQL, scripts, data, and database objects.

Dan will cover these topics:

- Using SQL Developer
- SQL History
- Shortcuts/templates/snippets
- Building scripts
- Saving Data in a variety of forms
- Using the PL/SQL Debugger
- Reviewing the available reports

This presentation will be packed full of practical examples from Dan's book, *The Oracle SQL Developer Handbook*, and is a 'must see' for anyone involved with Oracle development.

Discoverer10g Tips and Techniques

Dan will demonstrate the following features in a live-demo format. This presentation is packed full of tips and techniques, including scripts.

Dan will cover these topics using Discoverer10g web version:

- Review of the new 'Drake' interface
- Stop Light Exceptions
- Advanced Conditions
- Adding columns/Formatting data with Calculations
- Graph Review
- Scheduling Features and a useful Oracle script
- Key differences between the Oracle10g Desktop and Web versions
- Time Permitting: Discoverer10g Admin topics: How the thing works!

Dan will conclude with an in-depth comparison of the web-version versus the Desktop versions of the Oracle10g Discoverer product. This presentation is good for people who are considering implementing Discoverer, new to Oracle Discoverer, as well as experienced Discoverer users.

Summary:

This is a live-demo presentation of new functions in the latest release of the Oracle Discoverer product. Dan is an experienced trainer and will demonstrate a variety of new and neat features of this reporting/drilldown tool. The attendee will gain valuable insights as to the many features of the latest version of Oracle Discoverer10g.

Building a Discoverer10g EUL Tips and Techniques

Dan will build an EUL in a live demo environment. He will show how to organize columns, create relationships, and set security so that the Discoverer Users see the data as best they can. Dan will also show how to add functions and enhance the EUL using custom folders. He will show all EUL features using Discoverer10g Plus interface.

- Build/enhance the EUL
- Add relationships for drilldowns (and demo)
- Show tips on organizing the columns
- Show how to build custom folders and custom items
- Add PL/SQL functions

Oracle Analytics Tips and Techniques

Dan will demonstrate the following features in a live-demo format. This presentation is packed full of tips and techniques for using Oracle Analytics (Oracle BI EE).

Dan will cover these topics using Analytics and Answers:

- Review of the web interface
- Exceptions
- Advanced Conditions
- Adding columns/Formatting data with Calculations
- Graph Review
- Creating and updating a Dashboard!

Summary:

This is a live-demo presentation of new functions in the latest release of the Oracle Analytics (BI EE) product. Dan is an experienced trainer and will demonstrate a variety of new and neat features of this reporting/drilldown tool. The attendee will gain valuable insights as to the many features of the latest version of Oracle Analytics.

Building an Oracle Analytics Environment Tips and Techniques

Dan will build an Analytics in a live demo environment. He will show how to access Oracle via ODBC to pull in schema information. He will show how to organize columns, create relationships, and set security so that the Answer Users see the data as best they can. He will show all features using the Oracle Answers interface.

- Build/enhance an Analytics Environment
- Add relationships for drilldowns (and demo)
- Show tips on organizing the columns
- Show how to build custom folders and custom items

TOAD Tips and Techniques

Dan will illustrate the latest features of TOAD in the development process of Oracle. Dan will show how easy it is create SQL, SQL*Plus scripts, and PL/SQL using TOAD. Dan will illustrate shortcuts, code templates, and hotkeys in the PL/SQL development. Dan will also cover how to tune SQL using TOAD and he will cover Debugging PL/SQL as well.

This presentation will be packed full of practical examples from Dan's book, The TOAD Handbook, and is a 'must see' for anyone involved with Oracle development.

Tuning SQL When You Cannot Change the Code!

The presenter is an experienced Oracle DBA with considerable knowledge of the internal workings of the Oracle database environment. This presentation reviews various statistics that greatly assist the CBO with decisions. Dan illustrates index monitoring and collecting stale stats on table objects. This presentation is packed full of scripts that shows histogram usage, helps find problem and poorly-performing SQL. Dan concludes with a review of useful init.ora parameter settings.

Summary:

Dan is an experienced Oracle Author/Expert who has considerable experience in tuning SQL Statements. This presentation will focus on things within your control when working with packaged applications (including Oracle Apps) where you cannot tune using traditional methods. Dan will focus on indexing structures, how to tell if Oracle is going to use an index, stored outlines, as well as advanced init.ora settings. This is a must-see presentation for anyone working with packaged applications.

Advanced Index Topics

The presenter is an experienced Oracle DBA with considerable knowledge of the internal workings of the Oracle database environment. This presentation starts with a look at the Oracle Index Internal Structures and which structure is best suited for various application issues. The presenter then illustrates serious performance issues that plague all database engines: the relationship between Index leaf blocks and the data blocks they point to. This presentation and paper are full of scripts that monitor

for various index-related performance issues. Dan covers both 9i and 10g index-related parameter settings.

Executive Summary

Dan goes into considerable detail on how indexes work and which indexes are best for which application situations. Dan is an experienced authored Oracle expert who has authored/co-authored over 9 books now on the Oracle topic.

This presentation covers the latest database indexing options in detail. Dan clearly explains how to design a good table/index relationship.

This is a 'must see' presentation for anyone doing any kind of Oracle Performance Tuning.

Oracle/Unix Scripting Tips and Techniques

Dan will illustrate many features of shell programming that are useful in the Oracle RDBMS world. Dan will demonstrate how to mix Oracle SUBSTR/INSTR to provide a unique string processing solution. This presentation shows how to use SQL to create SQL and how to create data-driven SQL scripts. Dan reviews a number of popular Unix commands and illustrates how to mix them with Oracle to provide unique solutions.

This presentation will be packed full of practical examples from Dan's 1-day workshop: Oracle/Unix Scripting Tips and Techniques and his 1-day Seminar with the same title.

A Close Look at Physical Storage

The presenter is an experienced Oracle DBA with considerable knowledge of the internal workings of the Oracle database environment. Understanding the underlying Oracle technology in the Oracle Applications environment is critical to being able to monitor, size, and correctly identify various internal issues such as: how Oracle writes to its blocks, how space becomes available, index options, and rollback sizing and utilization options. Dan focuses on how this affects overall Oracle performance. Dan shares his input on the new 10g ASM features and his predictions on how this will affect performance.

Analytical SQL: Tips and Techniques

Dan will illustrate, with examples, some new Oracle9i and 10g SQL features such as composite columns, concatenated groupings and some new functions such as the GROUPING_ID and GROUP_ID. This new functionality allows you to calculate and create cool reports that would previously have had to utilize PL/SQL to calculate intermediate results to be used as input to other SQL queries. Analytical SQL functions allows for these intermediate results to be calculated in 'inner' sub-queries.

Data analysis has gotten easier to code now with the new analytical functions from Oracle Corp. These new functions reduce development time while increasing SQL performance by incorporating intermediate or procedural steps into a single SQL query. This presentation introduces the power of these new functions.

This presentation is packed full of working examples. These examples are available for download from www.DanHotka.com. This presentation is a must for anyone who regularly works with SQL.

A Close Look at Log Miner: A Hands-on Presentation

Under construction

Top 10 SQL Tuning Tips

This presentation goes into considerable detail on the tuning of actual SQL statements. The attendee will understand the Oracle optimizer choices, the Explain Plan, and how to interpret the output of an Explain Plan. This presentation will also include a discussion on the differences of the various Explain Plan steps such as Merge-Join and Nested-Loop, when is it best to use each, etc. The presenter also discusses how indexes are accessed with the Cost-Based optimizer as well as some important index-oriented INIT.ORA parameters. This presentation is a MUST for anyone doing SQL statement level tuning.

