Today’s Oracle professionals demand professional training and all of our Oracle courses are taught by Oracle experts with extensive database experience and BC instructors wrote the book on Oracle training.

Our instructors have authored more than 50 bestselling Oracle books and they have dedicated their professional careers to becoming experts in Oracle technology.

You get what you pay for . . .

Burleson Consulting offers some of the best Oracle experts in the industry. Smart companies know to entrust their Oracle training to dedicated professionals.

Burleson Consulting takes Oracle training very seriously and our experts have author over 50 Oracle books, more than anyone else. All of our instructors are Oracle experts, all Oracle Certified Professionals with many years of real-world experience.

Effective Oracle training requires skills far beyond the content of the classroom slide. Our instructors know Oracle internals from the ground up and they have years of experience in diagnosing Oracle systems. All BC instructors are published authors and experts with exceptional interpersonal skills and the ability to communicate complex concepts in plain English.

Join the ranks of dozens of Fortune 500 companies and choose on-site Oracle training from recognized experts.
Optimize Your Time & Training Dollars

With BC personal hands-on training and optional follow-up mentoring you maximize your training investment. Traditional Oracle training that has been a one-size-fits-all approach with mind-numbing slideshows has been displaced by a smarter approach. Savvy students want to know how the content applies to their environment, and BC has real-world Oracle experts, ready and willing to share their vast experience with your students. Whether it's just one-on-one mentor training or a class of 20 students, customized Oracle training is the best value for your training dollar. BC has the most stringent requirements in the industry and we are proud of our instructors who are all well-known Oracle authors and experts.

Training and Mentoring Together!

Burleson Consulting ensures your success by offering instructors who are also working Oracle expert consultants. For mission-critical training, BC offers a supplemental service where your staff can get follow-up support for any course topics.

The Curriculum Makes the Class

BC Oracle Training has been developing database training courses for 23 years and is a trusted training source for some of the world's largest corporations including Sony, Lockheed Martin and many Fortune 50 companies.

Because our curriculum designers are working Oracle consultants they know the proper topics and features that will be of the most benefit. Our course designers are seasoned Oracle professionals with many years of on-the-job experience and they focus on a hands-on, pragmatic learning experience.

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Visit us online www.dba-oracle.com
Choosing Your Courses and Options

Burleson Consulting is the leader in on-site Oracle training because we have a pragmatic approach for ensuring your training success. BC instructors are all working Oracle consultants, industry experts and authors who meld real-world experience into your Oracle courses.

- **Standard or Custom Training?** - Just as every Oracle system is unique, you may want your Oracle training to focus on your specific technical challenges. BC allows you to mix-and-match any Oracle topics within this catalog to create a custom training solution, tailored to the exact needs of your company.

- **Follow-up Mentoring?** - BC can also ensure your training success by offering supplemental remote mentoring and follow-up support on any course topics. You will always have your instructor available to help, just a phone call away.

When choosing your course and topics, carefully note the course name on the title bar of each page. If you are planning a customized course, make a list of the course names and the topics that you require.

Scheduling Your Courses

Scheduling your Oracle training course is a simple process:

- Choose the course and any supplemental topics that you desire.
- Make a list of possible training dates at your shop.
- Telephone 800-766-1884 to contact your BC training manager

When booking your course, you may request a specific preference for the date of your training, subject to the availability of the expert instructor for your topic. BC will then work with you to develop your training goals and codify the course content.

Once approved, we will schedule your instructor and you will receive instructions for your lab setup, plus details about your online and printed training resources. If you also want follow-up mentoring, your training manager can give you options and pricing.

**Call for assistance  800-766-1884**

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Oracle 11g New Features

Curriculum Development: This 11g new features training course was designed by Donald K. Burleson. This is an intensive 3-day or 4-day 11g new features training overview, customized according to your exact training needs. The 4-day version of this 11g new features training course explores more robust 11g SQL new features.

Description:
* Learn the most important Oracle 11g new features and when to use them.
* Understand how to leverage the automatic DBA features.
* See how the Automated Workload Repository (AWR) places important tuning information at your fingertips.
* Use the Automated Session History (ASH) tables to quickly find performance bottlenecks.
* Understand how to use the Automatic Database Diagnostic Monitor (ADDM).
* Learn how to implement the SQLTuning and SQLAccess advisor tools.

Course: Oracle 11g New Features Training
Duration: 3 day or 4 day class
Cost: $3,000.00 per class day
Size: Up to 20 Students

Prerequisites: This 11g new features training course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database is highly desirable.

Target Audience: This course is designed for Oracle DBA and Developer staff. IT managers will also find it beneficial.

Suggested Reading:
* Oracle 11g New Features: Get Started Fast with Oracle11g Enhancements
  Steve Karam, Brian Carr, et al.
  ISBN: 0-9797981-0-9

Syllabus Topics
- Oracle 11g DBA new features
- Interval partitioning for tables
- New load balancing utilities
- Improved table/index compression
- Improved NFS data file management
- Server side connection pooling
- RMAN UNDO bypass
- Capture/replay database workloads
- Scalability Enhancements
- Virtual columns
- Partitioning by logical object and automated partition creation.
- LOB’s - New high-performance LOB features.
- Automatic Diagnostic Repository (ADR)
- New Oracle11g Advisors
- Enhanced Read only tables
- Hot patching
- OEM Oracle 11g new features:
  Oracle 11g language & PL/SQL New Features
  Improved sequence management
  Oracle 11g SQL New Features
  The /*+result_cache*/ SQL hint
  SQL Replay
  Improved SQL execution Plan Management
- Dynamic SQL
- Fully Automatic SQL Tuning
- Oracle 11g Performance new features
- Oracle 11g security & auditing new features
- Oracle11g High Availability & RAC new features

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Oracle Grid & RAC: Real Application Clusters

Curriculum Development: This course is designed by Steve Karam and Don Burleson, among the worlds leading Oracle RAC consultants and authors. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions relating to Oracle, & Steve Karam has authored four books on Oracle technology.

Description: This is an intensive 3-day hands-on Oracle RAC and Grid features overview. Unlike other Oracle RAC training classes, this course examines all Oracle RAC features with an eye on those features that are the most important to your shop. The course content can be customized according to your specific Oracle RAC configuration. This hands-on Oracle Grid training is special because this course is taught by a veteran Oracle Certified DBA with years of full-time experience.

Course Objectives: This course presents a complete guide to the installation and configuration of Oracle Real Application Clusters tool for successful design of RAC clusters, details on shared disk technology, raw devices and RAID with RAC, understanding of internal concurrency, resource coordination and locking mechanism within RAC, transparent Application Failover (TAF), and monitoring and tuning RAC applications.

Syllabus Topics:
- Introduction to Cluster Technology
- High Performance Databases
- High Performance Computing Cluster – HPCC
- Clustering Applications
- Highly Available Databases
- Clustered Systems
- Overview of the Cluster Technology
- Oracle Real Application Clusters
- RAC Server and Disk Technology
- RAW Partitions and Cluster File System
- Storage Technology and Redundancy
- Cluster File System
- Server Redundancy
- RAC Installation and Configuration
- RAC Architecture and Components
- Install Oracle & Database Creation
- Real Application Clusters Internals
- Overview of Cache Fusion
- RAC Backup and Recovery
- Standby Databases with RAC
- Transparent Application Failover
- Using Instance Roles
- Performance Monitoring and Tuning
- Migration to RAC Databases
- Architecture of Oracle RAC Guard

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Oracle Performance Tuning

Curriculum Development: This course was designed by Don Burleson and John Garmany, working Oracle DBAs with more than 30 years of combined Oracle DBA experience. Authors of more than 30 books on Oracle performance tuning, this course focuses on the important Oracle DBA skills to get you started fast in optimizing your Oracle database.

Description: This intensive Oracle tuning training course is designed to provide an in-depth overview of Oracle internal structures and show how to tune Oracle’s internal structures for maximum high performance. This is not your run-of-the-mill Oracle tuning course. Unlike the boilerplate Oracle tuning courses that deliver obsolete and low-impact tuning techniques, this course shows real world techniques that can cut overall response time by more than 50%. While the course is topical in nature, the course emphasizes the central theme of database monitoring and the proper use of alert mechanisms. The course shows how to use the Oracle STATSPACK utility to monitor virtually every aspect of the Oracle database.

Course Objectives: By the end of this course the student will have a functional understanding of the methods commonly utilized in Oracle performance tuning.

Syllabus Topics:

- Introduction to Oracle Tuning
- Oracle Replication
- Tuning the Oracle Instance and Objects
- Oracle Segment Internals
- Oracle Instance Tuning
- Object Access Patterns
- Redo Logs
- Tuning Oracle Data Access
- Undo Management
- Cost Based vs. Rule Based
- Data Buffer Management
- Tuning with Indexes
- Sorting Issues
- Tuning Sub-queries
- Default SQL Optimizer Mode
- Tuning with Hints
- Miscellaneous Initialization Parameters
- Tuning the External Environment
- Concurrency Management
- vmstat Utility
- Oracle Object Tuning
- iostat Utility
- Oracle Index Internals
- Advanced Oracle Tuning Concepts

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Rapid Applications with Apex (HTML-DB)

**Curriculum Development:** This Oracle Applications Express course was developed by Kent Crotty, a noted author and DBA working with Oracle for over 15 years. An Oracle Certified DBA and a graduate of the University of Maryland, he is an IT professional with over 15 years experience in a variety of roles ranging from Programmer/Analyst (developer) to Systems and Database Administrator. Kent is instrumental in developing complex Oracle systems architectures and specializes on web-based Oracle applications.

**Description:** This is an intensive hands-on course designed to rapidly learn to develop Oracle systems with APEX. The course features working examples of complex APEX database access and techniques for creating easy Oracle Application Express applications.

**Course Objectives:** By the end of this course the student should be able to create and deploy Apex applications. They will learn step-by-step procedures for APEX data access and document formatting, creation of dynamic web content with APEX, understand how to update data with APEX, learn best practices to improve productivity, performance, and security, customize an application with Themes and CSS, and how to package Apex applications for easy deployment.

**Syllabus Topics:**

- Installing APEX
- Creating a Workspace APEX
- Data Workshop APEX
- SQL Workshop
- SQL Command Processor
- APEX Application Builder
- Creating Web Pages with APEX
- Using List of Values (LOVs)
- Calendars
- NavBar, Tabs, Menus, buttons, trees
- Loading Pictures and Images
- Deploying to Production
- Using Application Builder Utilities
- Export/Import
- CSS and Image Files
- The Export Repository
- Administration & Service Administration
- Manage Engine Settings
- Workspace Provisioning
- Customizing regions, themes & templates

**Course:** Rapid Applications with Apex (HTML-DB) (OAE)

**Duration:** Five (5) days

**Cost:** $15,000.00 plus travel expenses

**Size:** Up to twenty (20) students

**Prerequisites:** The student should have a basic understanding of Oracle database administration and application development with PL/SQL. This APEX course also assumes a basic knowledge of DBA structures including tables, indexes and constraints.

**Target Audience:** This course is specifically designed for Oracle DBA systems administration staff.

**Course Book:**

*Easy Oracle APEX*

Kent Crotty & Michael Cunningham
ISBN: 0-9761573-1-4

**Description:** This is an intensive hands-on course designed to rapidly learn to develop Oracle systems with APEX. The course features working examples of complex APEX database access and techniques for creating easy Oracle Application Express applications.

**Course Objectives:** By the end of this course the student should be able to create and deploy Apex applications. They will learn step-by-step procedures for APEX data access and document formatting, creation of dynamic web content with APEX, understand how to update data with APEX, learn best practices to improve productivity, performance, and security, customize an application with Themes and CSS, and how to package Apex applications for easy deployment.

**Syllabus Topics:**

- Installing APEX
- Creating a Workspace APEX
- Data Workshop APEX
- SQL Workshop
- SQL Command Processor
- APEX Application Builder
- Creating Web Pages with APEX
- Using List of Values (LOVs)
- Calendars
- NavBar, Tabs, Menus, buttons, trees
- Loading Pictures and Images
- Deploying to Production
- Using Application Builder Utilities
- Export/Import
- CSS and Image Files
- The Export Repository
- Administration & Service Administration
- Manage Engine Settings
- Workspace Provisioning
- Customizing regions, themes & templates

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Introduction to Oracle SQL and PL/SQL

**Curriculum Development:** This course was designed by Burleson Consulting with a focus on getting started fast. BC instructors are working professional DBAs with real world experience.

**Description:** Introduction to SQL and PL/SQL is an intensive hands-on course that is designed to give the student maximum exposure to Oracle SQL and PL/SQL. The student learns by doing, as this class has dozens of in-class exercises which guide the student from simple SQL commands to increasingly complex PL/SQL coding techniques. The topics start with the basics of SQL and progress into increasingly complex queries, including table joins, sub queries and creating Oracle views. The PL/SQL section begins with simple concepts and the student gradually masters PL/SQL.

**Course Objectives:** By the end of this course the student should be able to formulate advanced SQL queries including correlated sub queries and outer joins. The student will also become familiar with the internals of Oracle9i SQL and will be able to use the EXPLAIN PLAN utility to tune SQL statements. Topics also include SQL constructs, using SQL*Plus, advanced SQL operators and PL/SQL structures and tables.

**Course Books:**
- *Easy Oracle SQL*
  - John Garmany
  - ISBN 0-9727513-7-8
- *Easy Oracle PL/SQL*
  - John Garmany
  - ISBN 0-9759135-7-3

**Syllabus Topics:**
- Review of Basic SQL Syntax
- Restricting Row Returns (WHERE)
- Complex Boolean Logic in SQL
- ROWID Restrictions
- Using SQL*Plus
- Creating Basic Reports
- Joining Oracle Tables
- Using Cursor Multi-row SQL query
- Iteration (loops) in PL/SQL
- Hiding Joins by Creating Views
- IN, NOT IN, EXISTS, NOT EXISTS
- Sub Queries
- Non-correlated Sub Queries
- Advanced SQL Operators
- Aggregation in SQL
- Intro to Cost Based Optimization
- Collecting Table & Index Statistics
- Using Column Histograms
- Library Cache SQL Reusability
- Using Hints for SQL Performance
- Parallel Query for Performance
- Tuning Sub Queries
- Basic PL/SQL Block and Sections
- Declaring Variables and Constants
- Executing a PL/SQL Block
- Error Check – Exception Handling
- Define & Populate PL/SQL Tables
- Bulking in PL/SQL (forall)

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Oracle SQL Programming and Tuning

Curriculum Development: This course was designed by Donald K. Burleson, a leader in Oracle SQL tuning. Burleson was chosen by Oracle Press to write the authorized edition of Oracle High-Performance SQL tuning. Burleson has over a decade of experience in SQL tuning and shares his secrets in this intense hands-on Oracle SQL tuning training.

Description: Introduction to SQL Programming and Tuning is an intensive hands-on course that is designed to give the student maximum exposure to Oracle SQL. The student learns by doing, and this class has dozens of in-class exercises and the student will be guided from very simple SQL commands to increasingly complex SQL tuning techniques.

Course Objectives: By the end of this course the student should be able to formulate advanced SQL queries including correlated subqueries and outer joins. The student will also become familiar with the internals of Oracle SQL and will be able to use the EXPLAIN PLAN utility to tune SQL statements.

Syllabus Topics:
- The Oracle Relational Database
- Inside the Oracle Architecture
- Data storage
- Flat-file data storage (BFILE, external tables)
- Spreadsheet file access
- Introduction to Oracle Tables
- Index organized tables
- Introduction to Oracle Indexes
- Using SQL*Plus
- Using SQL*Worksheet
- Procedural programs with PL/SQL
- SQL Processing
- Oracle data dictionary
- The DBA Views
- The v$ views
- Running dictionary scripts
- Syntax of SQL
- Report generation with SQL*Plus
- Views: encapsulation of complex queries
- Using the DBA_VIEWS view
- Problems combining views
- Introduction to DDL and DML
- Oracle Schema components
- Referential Integrity
- Read consistency, locking & DML
- The X$ fixed tables

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Oracle PL/SQL Programming and Tuning

**Curriculum Development:** This course was designed by Donald K. Burleson, a leader in Oracle programming with over 30 years of database programming experience. Author of more than 30 database books, Burleson designed this course to get people started fast in writing, debugging and deploying PL/SQL as he shares his secrets in this intense training.

**Description:** PL/SQL Programming & Tuning is an intense hands-on course that is designed to get the student writing Oracle PL/SQL quickly. The student learns by doing, and this class has dozens of in-class exercises and the student will be guided from very simple SQL commands to increasingly complex PL/SQL coding techniques. The topics start with the basics of SQL and progress into increasingly complex queries, including table joins, sub-queries and creating Oracle views. The PL/SQL section begins with simple concepts and the student gradually masters PL/SQL through increasingly challenging classroom exercises.

**Course Objectives:** By the end of this course the student should be able to write advanced PL/SQL code blocks, and use advanced features such as ref cursors and bulk fetches. The student will also become familiar with the internals of Oracle PL/SQL and compiling PL/SQL for super fast performance.

**Syllabus Topics:**

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<tr>
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<td>Cursor for a Multi-row SQL Query</td>
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<td>Declaring Variables &amp; Constants</td>
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<tr>
<td>Executing a PL/SQL Block</td>
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<tr>
<td>Using the WHEN OTHERS Clause</td>
<td>Bulking in PL/SQL (forall)</td>
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Advanced Oracle SQL Tuning

Curriculum Development: This course was designed by Donald K. Burleson, a leader in Oracle database administration. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL Tuning. Burleson has over a decade of real world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on Oracle SQL tuning training.

Description: Advanced Oracle SQL tuning is an intensive hands-on course designed to provide Oracle professionals with an in-depth understanding of Oracle SQL tuning internals and how to formulate and tune SQL statements for optimal performance. Your instructor, Donald Burleson, was chosen by Oracle Press to write the Authorized edition on SQL tuning, and he is acknowledged as the most highly-regarded instructor in Oracle SQL tuning.

Course Objectives: By the end of this course the student should be able to formulate advanced SQL queries including correlated subqueries and outer joins. The student will also become familiar with all of the major SQL tuning techniques for Oracle, including the internals of the Oracle optimizers, materialized views, and techniques for tuning Oracle SQL statements for optimal performance.

Syllabus Topics:

- Reading an Execution Plan
- Importance of Schema Statistics
- Testing SQL Execution Speed
- Internal Table Join Methods
- Top Down SQL Tuning
- Identifying Sub Optimal SQL
- Using Hints to Change SQL Execution
- Tuning SQL with Stored Outlines
- V$ Internal Views for SQL Tuning
- Internal Processing of SQL Statements
- SQL Semantic Analysis
- Using Optimizer Plan Stability
- Using the v$sql & v$sql_plan Views
- SQL Execution Internals (TKPROF)
- Using Histograms
- Oracle Index Optimization
- Object Structures & SQL
- PCTFREE & PCTUSED on DML
- Table High Water Mark
- Table Striping, Partitioning & Resequencing
- Re-writing SQL Queries
- Table Join Order Evaluation
- Inside the Library Cache
- Parallel SQL & Partitions
- SQL and the Data Warehouse
- Grouping, CUBE & Rollup
- Tuning SQL Sub Queries

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Course: Advanced Oracle SQL Tuning
Duration: Three (3) days
Cost: $9,000.00 plus travel expenses
Size: Up to twenty (20) students
Prerequisites: This course is designed for practicing Oracle professionals who have basic experience with SQL. Experience using SQL with a relational database is highly desirable.

Target Audience: Ideal for any Oracle professional who needs to tune Oracle SQL. Popular with Oracle developers and DBAs it is also useful for any technical staff that interacts with Oracle.

Course Books:
Oracle SQL Tuning & CBO Internals
Kimberly Floss
ISBN 0-9745993-3-6

Oracle Tuning: The Definitive Reference
Donald K. Burleson
ISBN 0-9744486-2-1
Creating Online Systems with JDeveloper

Curriculum Development: This JDeveloper Java Training Course was designed by Donald K. Burleson. A retired Adjunct Professor Emeritus, Burleson has taught hundreds of Oracle classes and developed Oracle curriculums for several major universities. With over a decade of DBA experience in Oracle, Burleson shares expert secrets and techniques for this intense hands-on Oracle JDeveloper Java Training Course.

Description: This is an intensive hands-on course designed to rapidly learn Java programming. This Java class will cover the use of procedural Java using the Oracle JDeveloper environment. Working with real-world examples and hands-on exercises, students will understand object-oriented programming with Java and learn how to write increasingly sophisticated Java programs including the use of database interfaces, Java class library routines and error and exception checking. This is an indispensable class for anyone who wants to get started fast in Java programming.

Course Objectives: The student will create Java Graphical User Interfaces and understand Java structures, operators and strings, the use of Java classes, interface classes and object cloning.

Syllabus Topics:
- Introduction to Java
- Object Oriented Programming
- Introduction to JDeveloper
- Using JDeveloper
- Java Structures
- Java Operators
- Java Strings
- Java Control Flows
- Java Arrays
- Java Libraries
- Java Classes
- Java Graphical User Interfaces
- Java GUI's and JDeveloper
- Adding Components with JDeveloper
- Choice Components
- Dialog Boxes
- Error and Exception Checking

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Oracle JDeveloper Java J2EE Training Course

Course: Oracle JDeveloper Java J2EE Training Course

Duration: Five (5) days

Cost: $15,000.00 plus travel expenses

Size: Up to twenty (20) students

Prerequisites: The student should have a basic understanding of object oriented concepts including inheritance, polymorphism and encapsulation and basic fluency in Java and J2EE programming.

Target Audience: This course is ideal for any Oracle professional who needs to write and implement Java with Oracle. It is also useful for anyone who must interact with Oracle.

Course Book:

Oracle 9i Java Programming: Solutions for Developers Using PL/SQL and Java
Bjarki Holm, et. Al.
ASIN: 1861006020

Curriculum Development: This Oracle JDeveloper Java J2EE Training Course was designed by Donald K. Burleson. A retired Adjunct Professor Emeritus, Burleson has taught hundreds of Oracle classes and developed Oracle curriculums for several major universities. Author of more than 30 bestselling Oracle books, Burleson was chosen by Oracle Press to write five officially authorized books. With over a decade of DBA experience, Burleson shares expert secrets and techniques for this JDeveloper Java J2EE Course.

Description: This is an intensive hands-on course designed to teach the use of Java and J2EE for Oracle Application Server technology. The Java Oracle class will cover the use of procedural Java and J2EE within the Oracle Application Server framework and describe how Java and J2EE interface with Oracle. Topics also include monitoring and performance tuning for Java and J2EE within Oracle9iAS and Oracle10gAS.

Course Objectives: The student will learn about Java and the Oracle Databases inside the Oracle Application Server 10g. Topics include using Java 2 Enterprise Edition, using AS 10g and Java Messaging Service and understanding the Oracle Application Development Framework.

Syllabus Topics:

- Oracle JVM
- Java Stored Procedures and Triggers
- Loading Java in the Database
- Java File IO
- Oracle JDBC
- Driver Types
- Prepared Statement/Bind Variables
- Handling Numbers, dates and null
- oracle.sql Libraries
- Calling PL/SQL Procedures & Functions
- Connection Pooling & Caching
- Batch Statement Processing
- AS 10g Editions & Components
- Oracle HTTP Server (OHS)

- Oracle Containers for Java (OC4J)
- Web Application Servlet Basics
- HTTP Request Headers
- Java Server Pages
- Deploying Web Application
- WAR Files
- J2EE Components & anatomy
- EJB Session & message-Driven Beans
- EJB Entity Beans
- Persistence Mapping & TopLink
- OC4J and JNDI
- AS 10g and Java Messaging Service (JMS)
- AS 10g Performance Tuning
- OC4J Islands

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Curriculum Development: This course was designed by Donald K. Burleson, an acknowledged leader in Oracle database administration. Author of more than 30 database books; Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL Tuning. Burleson has over a decade of real world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on training.

Description: Unlike other theoretical courses on data modeling, this course emphasizes the pragmatic application of real world database design techniques. Through numerous exercises, the attendees will internalize proven techniques to create an effective database design and understand how to predict the ramifications of a change to an existing design. Using real world examples the student builds a firm foundation that can be applied to any data model, regardless of the complexity.

Course Objectives: The goal is for the student to understand data modeling practices including entities, attributes and functional dependency. Using real data modeling examples the student will see the importance of row clustering, unobtrusive data relationships and how to identify and gather business rules from end users.

Course Books:

Logical Database Design Principles
John Garmany
ISBN 084931853X

Physical Database Design Using Oracle
Donald Burleson
ISBN 0849318173

Syllabus Topics:

Overview of Data Modeling
Basic Data Relationships
Notation differences Chen, Rumbaugh
Introducing Redundancy
Horizontal Partitions & Data Modeling
Introducing Codd, Date & Armstrong
Functional Dependency
Normalization & Entity/Relation Models
Beyond 3NF: BCNF, 4NF, 5NF
Gerunds & many-to-many relationships
The issue of SQL with ternary joins
Recursive data relationships
Modeling & design issues
Access path impact on data models

Repeating groups vs. normalization
Transform E/R diagrams into tables
Ternary & gerund relationships
Unobtrusive data relationships
Object-oriented data model
Data aggregates & class hierarchies
Polymorphism & inheritance
ISA relationship & class hierarchies
Planning a generalization hierarchy
Extend hierarchies & polymorphism
Modeling aggregate entities
Enterprise data modeling
Introducing data replication
Diverse databases & hardware

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### Oracle Developer 9i Forms Training

**Course:** Oracle Developer 9i Forms Training  
**Duration:** Five (5) days  
**Cost:** $15,000.00 plus travel expenses  
**Size:** Up to twenty (20) students

**Prerequisites:** This course is designed for the working Oracle professional and the amount of previous experience with Oracle is incidental. Previous experience with relational database management and SQL is helpful, but this class is self-contained and has no formal prerequisites.

**Target Audience:** Ideal for any Oracle professional who needs to work with Forms. Popular with Oracle developers and DBAs it is also useful for any technical staff that interacts with Oracle.

**Course Books:**  
*Oracle Forms Developer: The Complete Training Course*  
Benjamin Rosenzweig, Baman Motivala, Ben Rosenzweig  
ISBN: 0130321249

**Syllabus Topics:**

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Oracle Developer Reports Training

Curriculum Development: This Oracle Developer Reports Training was designed by Donald K. Burleson. A retired Adjunct Professor Emeritus, Burleson has taught hundreds of Oracle classes and developed Oracle curriculums for several universities. Author of more than 30 bestselling Oracle books, Burleson was chosen by Oracle Press to write five officially authorized books. With over a decade of DBA experience in Oracle, Burleson exposes real-world expert secrets and techniques for Oracle Developer Reports Training. This intense hands-on Oracle Developer Reports Training.

Description: This is an intensive three-day hands-on Oracle Developer Reports course where the student will be able to develop and maintain various types of reports using Oracle Report Builder. The students will develop reports in a graphical user interface (GUI) environment and will learn to incorporate graphic images as well as customize reports using PL/SQL.

Course Objectives: The student should be able to develop a variety of standard and custom reports using the reports builder component of Developer in a client/server environment. Also to retrieve, display, and format data in numerous reporting styles such as tabular, break, master/detail, matrix and form letter reports. The student will be able to customize reports by combining text & graphics with quantitative data to meet specific business requirements.

Syllabus Topics:
- Designing and executing reports
- Using layout objects
- Customizing the display of data in reports
- Tailoring the appearance reports
- Advanced business reports
- Integrating text and graphics
- Linking tabular, break, master/detail reports
- Matrix and form letter reports
- Importing charts and graphs
- Applying the packaged
- Writing queries to retrieve data.
- Managing the structure of data in reports
- Analyzing report structures
- Filtering report information
- Implementing graphics into reports
- Building modules in Developer Reports
- Managing module storage and security
- Supplying values at runtime
- Customize reports

Cost: $9,000.00 plus travel expenses
Duration: Three (3) days
Size: Up to twenty (20) students

Prerequisites: This course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database and PL/SQL is highly desirable.

Target Audience: This course is ideal for any Oracle professional who needs to write and implement Oracle Reports. This course is popular with Oracle developers and DBAs, but it is also useful for any technical staff that must interact with Oracle.

Course Book:
Oracle Reports
Pinnacle Software
ISBN: 1930245181

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Oracle Portal Developer Training

Curriculum Development: This Oracle Portal Developer Training Course was designed by Donald K. Burleson. A retired Adjunct Professor Emeritus, Burleson has taught hundreds of Oracle classes and developed Oracle curriculums for several universities. Author of more than 30 bestselling Oracle books, Burleson was chosen by Oracle Press to write five officially authorized books. With over a decade of DBA experience in Oracle, Burleson shares real-world expert secrets and techniques for Oracle Portal Developer Training Course this intense hands-on Oracle Portal Developer Training Course.

Description: This is an intensive hands-on course designed to teach the use of Oracle Portal. The Oracle developer Portal class will cover the incorporation of web pages into Oracle applications, creation of web pages that interface with Oracle and the conversion of Oracle 6i Forms and Oracle9i Forms into HTML formats.

Course Objectives: The student should learn OracleAS Portal management and Portal Reports, working with hierarchies, using links to connect Portal Objects and Portal security.

Syllabus Topics:

- Machinations of Oracle Portal
- Portal Tools
- Portal Documentation
- Portal Firsts
- Configuring 9iAS/10gAS Portal
- Inside the Portal Environment
- Using the Navigator
- Browsing the Database
- Portals and Portlets
- Building Portal Reports
- Advanced Reports Development
- Building Portal Forms
- Advanced Forms Techniques
- Enhancing Oracle Portal
- Portal Charts
- Portal Calendar
- Portal Hierarchies
- Working with HTML
- How to utilize LOV’s within your Portal
- Create and managing Portal Menus
- Using links to connect Portal Objects
- Integrating PL/SQL Logic
- Defining Portal Content Areas
- Portal Administration
- Portal security
- Implementing SSO
- Monitoring Portal Performance

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Curriculum Development: This Oracle Developer Advanced Forms and Reports training was designed by Donald K. Burleson. Author of more than 30 bestselling Oracle books, Burleson was chosen by Oracle Press to write five officially authorized books. With over a decade of real-world DBA experience in Oracle, Burleson shares real-world expert secrets and techniques for Oracle Developer Advanced Forms and Reports.

Description: This is an intensive hands-on Oracle Forms and Reports training class designed to teach the advanced features for Oracle systems development using Oracle 6i or Oracle 9i Forms. Through progressive hands-on exercises the students learn advanced productivity features of Oracle Developer Forms and Reports including control blocks, style templates, Forms Functions and triggers, and dynamic Forms techniques. The students also learn Oracle Forms standards and best practices to ensure that all code is easy to document and maintain.

Course Objectives: The student will learn SQL*Forms Standards and Best Practices. Specific goals include using SQL*Forms control blocks, using triggers, functions & advanced reports, Forms templates and other advanced topics.

Syllabus Topics:

- Understanding Control Blocks
- Blocks based on views
- Block Based on a Procedure
- Block Based on FROM Clause Query
- Blocks Based on Transactional Triggers
- Oracle Forms Standards and Best Practices
- Understanding the Forms Development Process
- Guidelines for Forms Development
- Forms Naming Conventions
- Code Placement Standards
- Using Triggers & Functions
- Advanced Reports
- Advanced Template Forms
- Constructing the Forms Template System
- Genericizing Objects and Code
- Object Library Elements
- Style Specific Templates
- Deploying Forms on the Web
- Populating List Items Dynamically
- Working with Global Variables
- Dynamic Base Table changes
- Creating Customized Sign-on Form

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**Oracle Forms & Reports Development**

**Curriculum Development:** This course was designed by Donald K. Burleson, an acknowledged leader in Oracle database administration. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning. Burleson has over a decade of real-world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on Oracle training.

**Description:** Troubleshooting and Debugging Oracle Forms is an intensive two-day, three-day or five-day course designed to provide Oracle professionals with the much needed guidance in troubleshooting and debugging Oracle Forms. The course will cover common error messages and help students to understand the best approach in finding useful answers.

**Course Objectives:** By the end of this course the student will be able to troubleshoot and debug common error messages encountered with Oracle Forms Development. The student will also become knowledgeable in how to formulate hypotheses to solve uncommon problems encountered during the project lifecycle.

**Prerequisites:** This course is designed for practicing Oracle Developers who have basic experience with Oracle Forms Developer and the use of a relational database. Prior experience with Oracle is not required, but experience using Oracle Forms highly desirable.

**Target Audience:** Ideal for any Oracle professional who needs to learn to troubleshoot and debug Oracle forms, see forms Runtime Diagnostics and understand error messages. Popular with Oracle developers and DBAs it is also useful for any technical staff that interacts with Oracle.

**Course Books:**

**Syllabus Topics:**

- Introduction to Troubleshooting Debugging Oracle Forms
- Basics of Error Messages
- How to Read Error Messages
- Check for form_success “Message” Built-in
- Using the Break Built-in
- Using the Debugger
- Commenting out Code
- Stepping Through Code
- Using the PL/SQL Editor
- Using SQL Trace
- The generic FRM-92050/92100/92101/92102
- FRM-40505 Unable to Perform Query
- FRM-40735 – No Data Found/
- Unhandled Exception
- FRM 40209 bad format catch all
- FRM – 40509 Oracle unable to update Record

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Develop Dynamic Web Pages with Oracle PHP

**Curriculum Development:** This course was designed by Steve Karam, a former Senior Instructor with Oracle University and one of less than two hundred Oracle Certified Masters.

**Description:** Oracle PHP Development is a three-day hands-on course, which presents a wide array of useful tools for any developer. These tools are all native to PHP and include quick data retrieval, easy forms and reports, and dynamic code using object oriented classes.

**Course Objectives:** Designed for beginning to intermediate web developers, this course aims to bring fast web development to any Oracle house seeking to put their data on the Internet. In order to provide easy and quick data access and manipulation, objects are used for loading and unloading data dynamically for minimal development time.

Hands-on exercises are used to demonstrate the many features of PHP with Oracle, including the installation and use of Zend Core for Oracle, the new optimized PHP technology specifically made with the Oracle developer in mind.

**Syllabus Topics:**
- Basic coding structures using classes vs. procedural code
- Dynamic PHP classes to query and manipulate data objects
- Built in PHP Oracle functions for quick forms and reports
- Install and use Zend Core for Oracle
- PHP Data Types & statements
- Using HTML tidy
- Inside the PHP5 Object Model
- PHP OCI8 library
- Connecting to Oracle database in PHP
- Executing SQL statements in PHP
- Using LOB and REF cursors with OCI8 module.
- Accessing Oracle with PEAR
- Connecting to Oracle database using PEAR
- Accessing Oracle with PDO
- Executing SQL statements from PHP
- Using prepare and bind in PHP
- LOB & REF cursors with PDO
- Open Source Software using Oracle and PHP
- Installing PHP, PEAR and PDO
- Installing PHP/Oracle on Linux
- Installing PHP/Oracle on Windows

**Course:** Develop Dynamic Web Pages with Oracle PHP

**Duration:** Three (3) days

**Cost:** $9,000.00 plus travel expenses

**Size:** Up to twenty (20) students

**Prerequisites:** This course is designed for the working Oracle professional and previous Oracle developer and HTML experience can be helpful.

**Target Audience:** This course is popular with Oracle developers and DBAs, but it is also useful for any technical staff that must interact with Oracle.

**Course Book:**

*Easy Oracle PHP: Create Dynamic Web Pages with Oracle Data*

Mladen Gogala

ISBN: 0-9761573-0-6

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www.dba-oracle.com
Oracle XML Programming

Curriculum Development: This course was designed by Steve Karam, a former Senior Instructor with Oracle University and one of less than 200 Oracle Certified Masters.

Description: Oracle XML is a two-day course providing a clear understanding of quick and easy methods to generate and parse XML for use with Oracle. The tools to accomplish this are built into Oracle 9i and 10g using supplied system packages. Easily reproducible exercises will be utilized to show students the many features of XML within Oracle that they can put to use immediately for data distribution and loading.

Course Objectives: Learn how to quickly use standard queries to generate XML that can be used for basic web services and data migration. Parsing using Oracle procedures will also be taught, allowing developers to bring XML data directly into Oracle without third party resources. In addition, students will learn how to query XML objects using Oracle Text, which allows text searches of XML that can be drilled down using XPath or attribute searches.

Course: Oracle XML Programming
Duration: Two (2) days
Cost: $6,000.00 plus travel expenses
Size: Up to twenty (20) students

Prerequisites: This course is designed for the working Oracle professional and previous Oracle developer and HTML experience can be helpful.

Target Audience: Designed for Oracle developers and DBAs alike.

Course Books:
Building Oracle XML Applications
Steve Muench
ISBN: 1565926919

Syllabus Topics:

- Produce XML output using standard SQL queries
- Store validated XML in an Oracle database
- Searching XML data in a broad or granular fashion
- Parse XML into standard row and column data
Curriculum Development: This Upgrading to Oracle 11g training course was designed by Donald K. Burleson. This is an intensive 2 day Upgrading to Oracle 11g training overview, customized according to your exact training needs.

Description:
* Learn the most important Oracle 11g new features and when to use them.
* Understand how to leverage the automatic DBA features.
* See how the Automated Workload Repository (AWR) places important tuning information at your fingertips.
* Use the Automated Session History (ASH) tables to quickly find performance bottlenecks.
* Understand how to use the Automatic Database Diagnostic Monitor (ADDM).
* Learn how to implement the SQLTuning and SQLAccess advisor tools.

Course: Upgrading to Oracle 11g Training
Duration: 2 day class
Cost: $3,000.00 per class day
Size: Up to 20 Students

Prerequisites: This upgrading to 11g training course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database is highly desirable.

Target Audience: This course is designed for Oracle DBA and Developer staff. IT managers will also find it beneficial.

Suggested Reading:
Oracle 11g New Features
Get Started Fast with Oracle 11g Enhancements
Steve Karam, Brian Carr, et al.
ISBN: 0-9797951-0-9

Syllabus Topics

- Oracle 11g DBA new features
- Interval partitioning for tables
- New load balancing utilities
- Improved table/index compression
- Improved NFS data file management
- Server side connection pooling
- RMAN UNDO bypass
- Capture/replay database workloads
- Scalability Enhancements
- Virtual columns
- Partitioning by logical object and automated partition creation
- LOB's - New high-performance LOB features
- Automatic Diagnostic Repository (ADR)
- New Oracle 11g Advisors
- Enhanced Read only tables
- Oracle 11g High Availability & RAC new features
- Hot patching
- OEM Oracle 11g new features:
  - Oracle 11g language & PL/SQL New Features
- Improved sequence management
- Oracle 11g SQL New Features
- The /*+result_cache*/ SQL hint
- SQL Replay
- Improved SQL execution Plan Management
- Dynamic SQL
- Fully Automatic SQL Tuning
- Oracle 11g Performance new features
- Oracle 11g security & auditing new features

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Oracle Performance Tuning

Curriculum Development: This course was designed by Donald K. Burleson, a leader in Oracle SQL tuning. Burleson was chosen by Oracle Press to write the authorized edition of Oracle High-Performance SQL tuning. Burleson has over a decade of experience in SQL tuning and shares his secrets in this intense hands-on Oracle SQL tuning training.

Description: Introduction to SQL Programming and Tuning is an intensive hands-on course that is designed to give the student maximum exposure to Oracle SQL. The student learns by doing, and this class has dozens of in-class exercises and the student will be guided from very simple SQL commands to increasingly complex SQL tuning techniques.

Course Objectives: By the end of this course the student should be able to formulate advanced SQL queries including correlated subqueries and outer joins. The student will also become familiar with the internals of Oracle9i SQL and will be able to use the EXPLAIN PLAN utility to tune SQL statements.

Course Books: Oracle Tuning: The Definitive Reference
Donald K. Burleson
ISBN: 0-9744486-2-1

Syllabus Topics:

- The Oracle Relational Database
- Inside the Oracle Architecture
- Data storage
- Flat-file data storage (BFILE, external tables)
- Spreadsheet file access
- Introduction to Oracle Tables
- Index organized tables
- Introduction to Oracle Indexes
- Using SQL*Plus
- Using SQL*Worksheet
- Procedural programs with PL/SQL
- SQL Processing
- Oracle data dictionary
- The X$ fixed tables

- The DBA Views
- The v$ views
- Running dictionary scripts
- Syntax of SQL
- Report generation with SQL*Plus
- Views: encapsulation of complex queries
- Using the DBA_VIEWS view
- Problems combining views
- Introduction to DDL and DML
- Oracle Schema components
- Referential Integrity
- Read consistency, locking & DML
- PL/SQL Language structures
- PL/SQL Packages and Procedures

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Oracle Grid Administration & Management

Curriculum Development: This Oracle 10g Grid training was designed by Donald K. Burleson. Author or more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning. He shares his Oracle secrets in this intense hands-on Oracle training.

Description: This is an intensive hands-on Oracle 10g Upgrade overview. This course is a comprehensive overview of Oracle 10g, taught by leading Oracle 10g trainers. This course examines all Oracle 10g new features with an eye on those features that are the most important to Upgrading to Oracle 10g.

Course Objectives: The students will learn the most important 10g Grid features and when to use them including installation, configuration, performance monitoring and tuning.

Target Audience: This is an indispensable class for any Oracle DBA or developer who needs to understand Oracle Grid Administration & Management.

Course Books:
Oracle 10g Grid & Real Application Clusters
Mike Ault, Madhu Tumma
ISBN 0-9744355-4-6

Syllabus Topics:
- Intro to Grid Cluster Technology
- Oracle 10g Grid Design Considerations
- Oracle RAC Grid Cluster Guard
- Understanding Blade Servers
- The Globus Toolkit
- Open Grid Services Architecture
- High Performance Computing Clusters
- Clusterizing Applications
- Grid Clustered Systems
- Grid Server and Disk Technology
- RAW Partitions and Cluster File System
- Storage Technology and Redundancy
- Cluster File System (CFS)
- Server Redundancy
- Grid Installation and Configuration
- Installation & Creation of Database
- Overview of Cache Fusion
- Grid Backup and Recovery
- Standby Databases
- Performance Monitor & Tuning
- Migration to Grid Databases
- Architecture of Oracle Real Application Clusters Guard
- Configuration of OEM for Grid
- GRID Control Utility
- Grid Application Deployment
- Oracle Grid & RAC Integration
- Oracle Grid Ready Database

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Oracle Database Administration and Management

Curriculum Development: This course was designed by Don Burleson, a working Oracle DBA with many years of real world Oracle experience. Author of more than 30 books on Oracle performance tuning, this course focuses on the important Oracle DBA skills to get you started fast.

Description: Introduction to Oracle Administration and Management is a five-day hands-on course specifically designed to provide Oracle professionals with an in-depth understanding of how to manage a complex Oracle database. Topics include Oracle storage management, security, and monitoring, partitioning and advanced Oracle DBA topics.

Course Objectives:
By the end of this course the student will have a functional understanding of the roles and duties involved in Oracle database administration and be able to perform basic Oracle DBA tasks.

Course: Oracle Performance Tuning
Duration: Five (5) days
Cost: $15,000.00 plus travel expenses
Size: Up to twenty (20) students

Prerequisites: This course is designed for computer professional who needs to understand the concepts, architecture and tools required to be an Oracle DBA. The student should understand basic relational database concepts such as SQL before enrolling in this training.

Target Audience: This course is ideal for Oracle developers, Oracle DBAs, Oracle web developers and IT computer professional who needs to understand the management internals of an Oracle database.

Course Books:
Oracle Administration and Management
Mike Ault
John Wiley & Sons Publishing
ISBN: 0471354538

Syllabus Topics:

- Instance Architecture
- SGA Architecture
- Background processes
- Control file management
- UNDO and REDO logs
- Users and privileges
- Initialization file management
- Listener configuration
- TNS names configuration
- Data buffer configuration & sizing
- Shared pool configuration & sizing
- Starting and stopping Oracle
- Enterprise Manager (OEM)
- Schema, File & tablespace management
- Database Maintenance
- Monitoring Oracle
- Oracle Utilities
- Dictionary and v$ views
- File and tablespace structures
- Table structures
- Index structures
- Object-oriented Oracle
- Oracle Object Structures
- STATSPACK AWR performance
- Bottleneck performance analysis
- Tuning at the Instance Level
- CBO behavior
- SQL Tuning tips & tricks

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**Course:** Linux Oracle Database Administration  

**Duration:** Three (3) days  

**Cost:** $9,000.00 plus travel expenses  

**Size:** Up to twenty (20) students  

**Prerequisites:** This course is designed for practicing Oracle professionals who have basic experience with Oracle and want to understand how to access and manage Oracle on a Linux environment.  

**Target Audience:** This course is useful for Oracle developers, Oracle DBAs, Linux system administrators, and anyone who must access Oracle on Linux.  

**Course Books:**  
*Oracle UNIX Administration Handbook*  
Donald K. Burleson  
ISBN: 0072223049  

**Curriculum Development:** This course was designed by Donald K. Burleson, Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle Linux Administration Handbook and High-Performance SQL tuning. Burleson has over a decade of real-world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on Oracle Linux training.  

**Description:** This course is an introduction to using Linux in the Oracle environment. The focus of the course is on how Linux applies to the Oracle developer and DBA, and all course examples are drawn from Oracle. The instructor for this course is the author of Oracle Linux Administration by Oracle Press. The course will cover the basic Linux commands, and build on the foundation, eventually showing the student how to write Korn shell scripts that access the Oracle database.  

**Course Objectives:** By the end of this course the student should be able to execute complex Linux commands on a server, and retrieve data from Oracle and write scripts to manage Oracle in Linux. The student will learn important Linux commands for Oracle administration, the OFA standard for all Oracle Linux systems.  

**Syllabus Topics:**  
- Introduction to the Linux architecture  
- Linux shells  
- Building Linux commands  
- Kernel parameters and Oracle  
- Monitoring Linux with vmstat  
- RAM memory internals in Linux  
- Swap disk definition  
- RAM demands of Oracle  
- CPU usage and Oracle in Linux  
- Linux task dispatching  
- Using the nice command  
- Disk I/O monitoring in Linux  
- Using raw devices in Linux  
- Linux Network considerations  
- Monitoring DBWR and OPQ  
- Dedicated connections and Linux  
- Server exception reports & alerts  
- Reporting status of Linux file systems  
- File cleanup  
- Monitoring Linux file systems with scripts  
- Setting Oracle file permissions  
- Default file permissions & Sticky bits  
- Creating ancillary Oracle directories  
- Monitoring Oracle file systems  
- Oracle job scheduling in Linux  
- Linux scripts to access Oracle
Oracle RMAN Backup & Recovery Class

Course: Oracle RMAN Backup & Recovery Class

Duration: Four (4) days

Cost: $12,000.00 plus travel expenses

Size: Up to twenty (20) students

Description: This Oracle RMAN course is an intensive hands-on course is designed to provide Oracle professionals with an in-depth understanding of the backup & recovery features of Oracle, specific Oracle concepts and knowledge required for RMAN and tips and techniques success. This course covers all of the Oracle backup & recovery topics including Oracle export & import utilities, Oracle Recovery Manager (RMAN) and point-in-time recoveries. Hands-on exercises are used to demonstrate each feature of RMAN and the student will gain first-hand experience in the key Oracle backup & recovery concepts.

Prerequisites: The course assumes a basic knowledge of computer programming techniques, relational database concepts, SQL, and basic Oracle architecture.

Target Audience: This Oracle RMAN training is designed for the practicing Oracle professional but it is useful to anyone interested in learning Oracle backup & recovery. This includes Systems Administrators, Oracle developers, Oracle DBAs, Oracle web developers and anyone who needs to understand how to backup & recover an Oracle database.

Course Books:
Oracle RMAN Backup & Recovery
Robert G. Freeman
ISBN: 0072226625

Syllabus Topics:
- A bulletproof backup strategy
- Effective backup and recovery strategies
- Archivelog vs. noarchivelog
- Types of failures
- Configure database archiving
- Backup the Oracle Database
- Physical Oracle backups
- Steps to perform cold backup
- Steps to perform hot backup
- Logical Oracle backup
- Using export/import
- Types of complete recovery
- Incomplete Oracle Database recovery
- Comparison of RMAN methods
- Maintenance of the recovery catalog
- Tools for troubleshooting problems
- Error log and Trace files
- Detection of corrupt blocks
- LogMiner & Flashback utility
- Creating a standby database
- Flash recovery area
- Oracle flashback database
- Disk topology & performance tuning
- Automatic datafile creation
- Recovery through resetlogs
- Fast incremental backups
- Improved RMAN reporting V$ views
- Cross-platform tablespace conversion

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Oracle Network Topology and Administration

Curriculum Development: This course was designed by Donald K. Burleson, an acknowledged leader in Oracle database administration. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning. Burleson has over a decade of real-world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on Oracle Networking training.

Description: This Oracle Networking course introduces Oracle*Net features and covers all areas of Oracle Network Administration including tnsnames.ora, Oracle database links.

Course Objectives: The student will learn all areas of Oracle networking and troubleshooting and get hands-on experience in managing all components of Oracle network connectivity. Topics include networking log and trace files, Oracle*Net features developing a network topology debugging with ping and tnsping, creating tnsnames.ora, protocol.ora and sqlnet.ora files, configuring & managing the listener and defining remote connectivity between Oracle databases.

Call now: 252-767-6166
www.dba-oracle.com

Course: Oracle Network Topology and Administration

Duration: Four (4) days

Cost: $12,000.00 plus travel expenses

Size: Up to twenty (20) students

Prerequisites: This course is designed for the working Oracle professional and the amount of previous experience with Oracle is incidental. Previous experience with relational database management and SQL is helpful, but this class is self-contained and has no formal prerequisites.

Target Audience: This is an indispensable class for any Oracle DBA or developer who needs to understand Oracle SQL and PL/SQL.

Course Books:

Syllabus Topics:

- Evolution of network topologies
- Networks of networked computers
- The fifth-generation architecture
- Service names
- Database Links
- Remote table joins
- The transparent network substrate (TNS)
- Oracle’s TNS architecture
- Inter-database communication
- Application connection with SQL*Net
- Oracle*net internals
- Oracle network tools
- The protocol.ora file
- Sqlnet.ora and tnsnames.ora files

- Process-level inter-DB connections
- listener.ora and LSNRCTL
- Defining the listener trace levels
- Routing connection requests
- Setting up multiple protocol listeners
- Proper tnsnames.ora management
- Oracle*Names Control Utility
- Connection Manager (CMAN)
- Using Logging and Tracing
- Security in the Network
- Auditing and database links
- Encryption and checksumming
- The Kerberos Authentication Adapter
- Standard LDAP Password Verifiers

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**Oracle Replication Administration & Management**

**Curriculum Development:** This course was designed by Donald K. Burleson, an acknowledged leader in Oracle database administration. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning. Burleson has over a decade of real-world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on training.

**Description:** Oracle Replication Administration & Management is an intensive hands-on course that is designed to give the student maximum exposure to Oracle Replication. This Oracle replication class can also be customized according to your specific needs.

**Course Objectives:** The goals are for the student to learn the internal mechanisms of Oracle snapshot refreshing, understand how to leverage Oracle multimaster replication, see the underlying Oracle views for monitoring replication and streams learn the architecture of Oracle multimaster replication and Oracle10g Streams, create working examples of snapshots, error detection scripts and conflict resolution.

**Syllabus Topics:**
- The Oracle Replication Architecture
- Database links
- Basics of distributed updates
- Inside the two-phase commit
- Snapshot vs. Multi-master Replication
- Manual Replication techniques
- Installing Oracle Advanced Replication
- Read-Only Snapshot architecture
- Restrictions of read-only snapshots
- Snapshot Creation Basics
- Creating and managing snapshot logs
- Refresh Groups for snapshots
- Using Oracle Updateable Snapshots
- Defining Updateable Snapshots
- Defining refresh intervals
- Updateable Materialized Views
- Scripts to measure pending updates
- Auto-correct script broken snapshot
- Using Oracle Procedural Replication
- Oracle Multi-Master Replication
- Restriction & limitations MMR
- Defining Replication Groups
- Defining propagation rules
- Replication data definitions (DDL)
- Conflict Avoidance in replication
- Referential Integrity with replication
- Introduction to Oracle Streams
- LogMiner

**Call now:** 252-767-6166

**www.dba-oracle.com**
Curriculum Development:
This course was designed by Donald K. Burleson, an acknowledged leader in Oracle database administration. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning. Burleson has over a decade of real-world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on Oracle Streams new features training.

Description: This hands-on Oracle Streams training is special because this course is taught by a veteran Oracle Certified DBA with more than 20 years of full-time experience. This Oracle Streams class can also be customized according to your specific needs.

Course Objectives: The student will learn expert secrets for high speed data replication. Topics will include successful installation and configuration techniques, using Oracle Streams to create a reliable failover database, achieving global data sharing and seamless data replication, managing subscribed destinations, customizing data apply functions and using rule-based propagation and data transformations.

Syllabus Topics:
- Global Operations
- Heterogeneous Systems
- Data Synchronization
- AQ – Advanced Queuing
- Summarization of Data
- Advanced Replication
- Advanced Queuing
- Streams Components and Processes
- Hot Mining and Cold Mining
- Queuing and Dequeuing
- DownStreams Capture
- Change Data Capture
- Supplemental Logging
- Source Database Changes
- User Application Message
- Data Types for Replication
- Capture Rules configuration
- Contexts & Transformations
- Oracle Data Pump for Instantiation
- Export and Import for Instantiation
- Capture Mechanism Data Types
- Supplemental Logging
- Troubleshooting and Monitoring
- Conflict Detection & resolution
- Monitoring Streams Data Flow
- CDC – Change Data Capture
- Downstream Capture
- Log Transportation Services

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Oracle Data Guard Administration & Management

Curriculum Development: This course was designed by Donald K. Burleson, author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning. Burleson has over a decade of real-world DBA experience in Oracle features and shares his Oracle secrets in this intense hands-on Oracle10g new features training. Burleson also served as the Editor for the premier book Oracle Data Guard Standby Database Failover Handbook by Rampant TechPress.

Description: This course examines all Oracle Data Guard features with an eye on those features that are the most important to you. This hands-on Oracle Data Guard training is special because this course is taught by a veteran Oracle Certified DBA with extensive Data Guard experience. This Oracle Data Guard class can also be customized according to your specific needs.

Course Objectives: The student will learn secrets for Data Guard implementation standby and failover and understand the Oracle10g Data Guard architecture, use the Recovery Manager, see expert troubleshooting Tips and Techniques and perform Data Guard administration and monitoring.

Course: Oracle Data Guard Administration & Management
Duration: Three (3) days
Cost: $9,000.00 plus travel expenses
Size: Up to twenty (20) students

Prerequisites: This course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database is highly desirable.

Target Audience: This course is specifically designed for Oracle DBA and developer staff and IT managers will also find the course valuable.

Course Books:
Oracle Data Guard
Standby Database Failover Handbook
Bipul Kumar
ISBN 0-9745993-8-7

Curriculum Development:

Syllabus Topics:

Standby Database Concepts
Data Guard vs. RAC and Streams
Types of Standby Databases
Load Balancing
Operational Constraints
Lifecycle of Standby Database
Data Guard Apply Modes
Data Guard Broker Architecture
Transport Network Substrate
Physical Standby Database
Creating Physical Standby Database
Creating Logical Standby Database
Standby Database Administration
Monitor Physical Standby Database

Propagating Unrecoverable Operation
Resolving Archive Gap Sequence
Administration of Logical Standby
Log Transport Services
Log Management Policies
Log Transport Service Transmission
Standby Database Protection Modes
Switchover And Failover
Types Of Database Role Transitions
Using Data Guard Broker
Performance Tuning Of Data Guard
Tuning Log Transfer Service
Tuning Log Apply Services
Using RMAN for Standby Database

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Oracle Data Warehouse Design & Management

Curriculum Development: This course was designed by Donald K. Burleson, an acknowledged leader in Oracle database administration. Author of more than 30 database books, Burleson was chosen by Oracle Press to write five authorized editions, including Oracle High-Performance SQL tuning.

Description: This course is designed to give the student a firm conceptual understanding of the goals and techniques that are used in data warehousing. The seminar explains the concepts and techniques in plain English, and strips away all of the marketing hype to give the student a clear understanding of how to construct a data warehouse using the new technologies. The seminar begins with a historical review of data warehousing and explains the basic construction techniques for data warehousing and contrasts them with traditional online teleprocessing systems.

Course Objectives: Via numerous in-class exercises, the student will leave this seminar with an understanding of data warehouse design techniques for relational databases, including STAR schema design, the pre-aggregation of data, and online analytical processing (OLAP). In addition, the student will understand multidimensional databases, and be able to understand how they are created and maintained.

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Course: Oracle Data Warehouse Design & Management

Duration: Three (3) days

Cost: $9,000.00 plus travel expenses

Size: Up to twenty (20) students

Prerequisites: Previous experience with relational database management and SQL is helpful, but this class is self-contained and has no formal prerequisites.

Target Audience: This course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database is highly desirable.

Course Books:

Syllabus Topics:

| DSS vs. Expert systems | STAR schema design |
| Ad-hoc ("what if") queries | De-normalization |
| Non-procedural queries ( more like this) | Pre-joining tables |
| Summarization & drill-down | The Role of Metadata |
| Multi-dimensional databases | Data extraction and cleansing |
| Data mining conceptual overview | Referential integrity and data cleansing |
| Parallel processors and terabyte storage | Sizing the Data Warehouse |
| Hardware & Software advances | Forecasting future size requirements |
| MPP & SMP architectures | Evaluating warehouse tools & products |
| AI-based query engines | Seeing past the marketing hype |
| Parallel database software | Robust functionality/extensibility |
| Multi-dimensional databases | Site-specific data warehouse issues |
| Enterprise computing architectures | |
| Introduction to data warehouse design | |
Oracle Privacy Security Auditing

Curriculum Development: This course is designed by Donald K. Burleson, an acknowledged leader in Oracle auditing techniques. Burleson was chosen by Oracle Press to write four of the authorized Oracle Press editions on Oracle database management.

Description: Oracle Auditing is an intensive three-day course designed to provide auditing professionals with an in-depth understanding of how to audit all areas of Oracle databases. Designed by a world-leading Oracle auditing professional and author of HIPAA Auditing for Oracle Database Security, this course teaches all areas of Oracle auditing including auditing Oracle security, auditing Oracle access controls, auditing Oracle recoverability, auditing data integrity, and auditing security exposures.

Course Objectives: By the end of this course the student should be able to describe the methods for controlling security within an Oracle database, and have an understanding of the concepts behind Oracle auditing for security, Oracle auditing for recoverability, Oracle HIPAA auditing, and Oracle auditing for data integrity.

Course Books:
Oracle Privacy Security Auditing
Donald K. Burleson & Arup Nanda
ISBN: 0-9727513-9-4

Syllabus Topics:
- Auditing access methods
- Testing database access controls
- Monitoring data access
- Auditing database recoverability
- Auditing backup & Recovery
- Ensuring continuous availability
- Auditing data integrity
- Auditing for redundant data
- Auditing techniques for Oracle
- Oracle grant security auditing
- Oracle grant execute security auditing
- Oracle virtual private databases
- Oracle data integrity auditing
- Auditing Oracle recoverability
- Auditing Oracle disaster recovery
- Overview of grant execute security
- Definer and invoker rights
- Auditing grant execute security
- Oracle role-based security
- System privileges and object privileges
- Auditing distributed databases
- Oracle auditing for data integrity
- Oracle referential integrity auditing
- Oracle materialized views
- Oracle redo log management
- Auditing data privacy (HIPAA)
- Oracle fine-grained auditing
- Managing audit trails

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Oracle Application Server 10g Administration

Curriculum Development: This course was designed by Donald K. Burleson and John Garmany, leaders in Oracle9iAS & Oracle Application Server administration. Authors of more than 30 database and application server books, Burleson and Garmany were chosen by Oracle Press to write the authorized edition for the Oracle Application Server 10g Administration Handbook.

Description: This is an intensive hands-on Oracle Application Server 10g administration overview. This course focuses on end-to-end administration of the Application Server 10g, from planning, installation, monitoring and tuning, maintaining the metadata repository, security, and backup & recovery.

Most clients choose to customize the content according to their specific Oracle Application Server components, all course material can be taught for Oracle9iAS or Oracle Application Server 10g versions. Course topics may include in depth coverage of Oracle Application Server Best Practices, Oracle Application Server Installation & Configuration, Oracle Application Server monitoring & troubleshooting. Oracle Application Server Backup & Recovery.

Course Objectives: The goals of this class are for the student to understand Oracle Application Server Architecture & infrastructure, Application Server Tuning, and backup & recovery.

Syllabus Topics:

- Architectural Overview
- Application Server Components
- Application Server 10g Installation
- OEM Application Control
- Oracle Application Server 10g Infrastructure
- Oracle Internet Directory (OID)
- Introduction to LDAP
- Oracle Directory Manager
- Oracle HTTP Server (OHS)
- OHS Configuration and Server Logs
- Using Container Directives
- OHS Performance Tuning
- Oracle Web Cache Administration
- Using Webcachectl

- Java 2 Enterprise Edition Architecture
- JAR, WAR, & EAR Files
- Database Connectivity
- Java Database Connectivity
- Dynamic SQL and SQLJ
- Planning for High Availability
- Multiple Web Cache administration
- Clusters and Farms
- Hot (online) Application Deployment
- Transparent Application Failover
- App Server 10g Performance Tuning
- Using Dmstool & Aggrespy
- AS10g Security
- Backup and Recovery

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WebLogic Administration

Course:
WebLogic Administration Training

Duration: 5 day class

Cost: $3,000.00 per class day

Size: Up to 20 Students

Prerequisites: This WebLogic training course is designed for practicing Oracle professionals who have basic experience with Oracle database and Oracle middleware. Prior experience with Oracle is not mandatory, but experience using Oracle database will be helpful.

Target Audience: This course is designed for Oracle DBA and Developer staff. IT managers will also find it beneficial.

Suggested Reading:
Professional Oracle WebLogic Server
Wrox Publishing
2009
ISBN 978-0470484302

Syllabus Topics:

WebLogic architecture
WebLogic Systems Modules
WebLogic command interfaces
WebLogic Java components
WebLogic security overview: best practices, SSL, wallets and certificates
WebLogic System Management
Oracle WebLogic Installation and Configuration:
Oracle WebLogic capacity planning
Oracle WebLogic Server Sizing
Oracle WebLogic installation
Create a Default Web Application
Overview of WebLogic security
Configure the WebLogic work manager
Oracle WebLogic and Java
Oracle WebLogic plug-in's
WebLogic HTTP Server

WebLogic Administration Console
Installing WebLogic service packs
Using the WebLogic command-line Interface
Creating WebLogic Domains
Using the WebLogic Scripting Tool (WLST)
Oracle WebLogic maintenance:
Installing WebLogic patches
WebLogic Instance Management
WebLogic clustering
Oracle WebLogic security
Deploying new WebLogic Applications
WebLogic Performance Tuning
Concurrent request monitoring and tuning with the WebLogic work manager

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**Curriculum Development:** This Migrating to Oracle training course was designed by Donald K. Burleson. This is an intensive 3 day Migrating to Oracle training overview, customized according to your exact training needs.

**Description:**
This is an intensive 3-day Migrating to Oracle from other relational databases. The course topics are customized to meet your needs and can focus on migrating from Sybase, migrating to Oracle from SQL Server (MS-SQL), migrating to Oracle from MySQL or migrating to Oracle from DB2.

**Course:**
Migrating to Oracle Training

**Duration:**
3 day class

**Cost:**
$3,000.00 per class day

**Size:**
Up to 20 Students

**Prerequisites:**
This Migrating to Oracle training course is designed for practicing professionals who have basic experience with relational databases. Prior experience with Oracle is not required, but experience using databases is highly desirable.

**Target Audience:**
This course is designed for DBA and Developer staff. IT managers will also find it beneficial.

**Suggested Reading:**
*Migrating to Oracle: Expert Secrets for Migrating from SQL Server and MySQL*
Ben Prusinski
ISBN: 978-0-9797951-6-9

**Syllabus Topics**

Introduction to Database Migration  
Overview of the Oracle Migration Workbench  
Installation of Oracle Migration Workbench  
Installation of the APEX Migration Workbench  
Configuration Tasks for Oracle Migration Workbench  
How to Perform Online Capture with Oracle Migration Workbench  
How to Perform Offline Capture with Oracle Migration Workbench  
The steps of mapping the Source Model to Target Database  
Oracle Migration Testing  
Understanding SQL Developer and Oracle Migration Workbench utilities  
Manual database migration  
Migrating indexes to Oracle  
Migrating to PL/SQL  
Optional Oracle Migration Topics  
MS-SQL SQL Server SQL to Oracle SQL  
Migrating MySQL SQL to Oracle SQL  
Migrating DB2 SQL to Oracle SQL  
Changing C programs to access Oracle  
Changing PHP programs to access Oracle  

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**Oracle 11g Developer New Features**

**Curriculum Development:** This Developer 11g new features training course was designed by Donald K. Burleson. This is an intensive 3, 4 or 5 day Developer 11g new features training overview, customized according to your exact training needs.

**Description:**
- Learn the most important 11g new features and when to use them.
- Learn important new 11g features for SQL and PL/SQL.
- Learn and understand 11g new features for Oracle forms and reports.
- Understand the important new architecture changes in 11g.
- Learn important new JAVA features in Oracle 11g.
- See the new XML features in Oracle 11g.

**Course:**
Oracle 11g Developer New Features Training

**Duration:** 3, 4 or 5 day class

**Cost:** $3,000.00 per class day

**Size:** Up to 20 Students

**Prerequisites:** This 11g developers course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database is highly desirable.

**Target Audience:** This course is designed for Oracle DBA and Developer staff. IT managers will also find it beneficial.

**Suggested Reading:**

*Oracle 11g New Features*
*Get Started Fast with Oracle11g Enhancements*
Steve Karam, Brian Carr, et al.
ISBN: 0-9797951-0-9

**Syllabus Topics**

| OEM - Enterprise Manager Oracle 11g new features | SQL PIVOT and UNPIVOT Operators |
| Oracle 11g New Features Programming Language Support | Regular Expressions Enhancements |
| Oracle 11g PL/SQL New Features | Result Cache Hint |
| Oracle SQL optimizer (CBO) | HASH OUTER JOINS |
| Oracle 11g SQL New Features | Inside the 11g SQL Performance Analyzer |
| HTML-DB 11g Enhancements | Extended Optimizer Statistics |
| Oracle 11g Business Intelligence & OLAP | Automatic Diagnostic Repository |
| Oracle 11g data mining | Oracle 11g Security Enhancements |
| Advanced Replication Interface | Intelligent LOB Encryption with Secure File LOBs |
| Clone Database Enhancements | Oracle 11g Change Management |
| Workspace Manager | RAT - Real Application Testing |
| 11g PL/SQL New Features | SQL Performance Analyzer (SPA) |
| Cross-Session PL/SQL Function Result Cache | Oracle 11g Flashback |
| Oracle Total Recall |

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Introduction to Oracle Fusion

Curriculum Development: This Upgrading to Oracle11g training course was designed by Donald K. Burleson. This is an intensive 2 day Upgrading to Oracle11g training overview, customized according to your exact training needs.

Description:
The Oracle Fusion Architecture is based on two components within Oracle, the Oracle grid database (real application clusters), the Service Oriented Architecture (SOA), via the Oracle SOA suite release 11, which includes the following products:

- Oracle JDeveloper 10g
- Oracle Business Rules
- Oracle BPEL Process Manager
- Oracle Business-to-Business Integration
- Oracle Business Activity Monitoring
- Oracle Web Services Manager
- Oracle Service Bus
- Oracle Complex Event Processing

The Oracle fusion architecture is a collection of these tools which can be used in an infinite number of ways. This two day Oracle Fusion training class is an overview of all of the components of Oracle Fusion and how they fit together. At the end of this Oracle Fusion training course the student will understand the functional areas of Oracle fusion at a high level and understand how to deploy the components to develop a systems development framework.

Course:
Introduction to Oracle Fusion Training

Duration: 2 day class

Cost: $3,000.00 per class day

Size: Up to 20 Students

Prerequisites: This upgrading to 11g training course is designed for practicing Oracle professionals who have basic experience with Oracle. Prior experience with Oracle is not required, but experience using Oracle database is highly desirable.

Target Audience: This course is designed for Oracle DBA and Developer staff. IT managers will also find it beneficial.

Suggested Reading:
Oracle 11g New Features
Get Started Fast with Oracle11g Enhancements
Steve Karam, Brian Carr, et al.
ISBN: 0-9797951-0-9

Syllabus Topics

- Introduction to Oracle fusion technology
- All about SOA
- All about Oracle Grid computing
- Oracle JDeveloper 10g
- Oracle Business Rules
- Oracle BPEL Process Manager
- Oracle Business-to-Business Integration
- Oracle Business Activity Monitoring
- Oracle Web Services Manager
- Oracle Service Bus
- Oracle Complex Event Processing
- Oracle Java and fusion

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Oracle Warehouse Builder

This class focuses on understanding OWB Workflow and the Warehouse Builder viewer to allow students to get started fast with Oracle Warehouse Builder. Hands on exercises include examples of using Oracle Warehouse Builder for data cleansing, using Oracle Warehouse Builder for OLAP integration and implementing complex Oracle Warehouse Builder ETL management and job scripting.

Oracle Discoverer Administration

This hand-on class provides in-depth coverage of the Workflow and the Discoverer viewer, Discoverer reporting, using the end-user layer. It also covers creating and manipulating Discoverer workbooks and worksheets, tips for creating robust data warehouse schemas and OLAP and ROLAP.

Oracle Systems Analysis

This seminar teaches you systems analysis from the ground-up. Using real-world examples, and in-class exercises, the student builds a firm foundation that can be applied to any system, regardless of the complexity. The first day of this seminar will introduce the basic concepts of Oracle systems analysis, including data flow diagrams, process logic specifications and data dictionaries.

Complex analysis techniques such as decision support analysis and object-oriented analysis will be explained in plain English, and the student will gain an in-depth understanding of how to create a sound logical foundation for systems design.

Object-Oriented Oracle Technology for Oracle Professionals

This class is indispensable for anyone who wants to understand a painless way to enter object technology. This very practical seminar shows you how to apply object techniques to relational databases. The class will introduce the concepts of Object Technology and give practical examples of how polymorphism, encapsulation, overloading, and inheritance can be applied within Oracle.
Managing Distributed Databases

This class will introduce the concepts of distributed database technology and provide a strong foundation for applying proven management techniques to distributed database systems. Managing distributed client-server databases, managing distributed access control, and managing concurrent updates will be covered with an emphasis on practical solutions to complex problems. Distributed database connectivity, and distributed object technology will also be covered. Day two will cover the backup and recovery techniques for distributed databases, distributed system security and auditing, performance and tuning for distributed systems, and future trends within distributed systems.

Logical Database Design

This intense hands-on course is designed to be a concise and understandable introduction into logical database design. This course teaches logical database design from the ground-up to ensure success and get your students started fast.

The student builds a firm foundation of logical database design principles that can be applied to any data model, regardless of its complexity. This course is indispensable for anyone faced with the challenge of designing a database system who does not have time to earn a master degree in mathematics and wade through the complex and obtuse world of database design theory.

Advanced Tips for Oracle Tuning

This Oracle Tuning training is for experienced DBA’s and covers tips and tricks for top-down Oracle tuning. Topics include server-level tuning, global instance tuning, tuning the Oracle initialization parameters, Oracle object-level tuning and expert tips for Oracle SQL tuning.

Oracle SQL for End-users

Advanced SQL for Oracle is an intensive four-day course designed to provide Oracle professionals with an in-depth understanding of the Oracle SQL and SQL*Plus. The student will also learn how to formulate and tune SQL statements for optimal performance.

This intensive course explores all of the advanced concepts and techniques with Oracle8 SQL. The course covers advanced SQL query formulation including correlated sub-queries and nested SQL statements. The students will also learn the SQL*Plus and will learn the tricks for formatting and executing reports that extract data directly from Oracle.

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Oracle Distributed Object Technology

This two-day seminar provides a practical understanding of the role of distributed objects, and how the new vendor offerings are revolutionizing system architectures. A conceptual overview will be presented, introducing how Object Technology is used to create seamless interfaces to many diverse platforms and databases. Polymorphism, inheritance and encapsulation will all be explained with an emphasis on their application within distributed object systems.

This practical, plain English seminar will look at the major distributed object offerings, including the OMG's Common Object Request Broker Architecture (CORBA), IBM's Distributed System Object Model (DSOM), and Microsoft's Object Linking and Embedding (OLE).

Artificial Intelligence for IT Professionals

Artificial Intelligence was once exclusively the bastion of theoretical computer science. However, today, AI has stepped out of the ivory tower and is making inroads into the mainstream of Information systems technology.

Advances in intelligent text searching, tools for parsing human English, and simulated cognition and reasoning are now becoming incorporated into mainstream systems, many of which are available on the Web.

This class is designed to make the IT professional technologically aware of the areas of AI that are beginning to permeate mainstream systems. This high-level technology seminar will examine the state of AI in the IT marketplace and examine those areas that will have the greatest application for emerging technology. The use of Artificial Intelligence includes E-Commerce, Data Warehousing and Online Services will be examined with a eye toward the use of AI in commercial IT areas of Finance, marketing and retail sales.

Oracle OLAP Administration

This is a concise and understandable course to learn about multidimensional databases and OLAP without all of the theoretical jargon and double-talk. This seminar teaches you about multidimensional databases from the ground-up. Using real-world examples, and in-class exercises, the student builds a firm foundation that can be applied to any data warehouse project, regardless of the complexity. This course is indispensable for anyone faced with the challenge of using a multidimensional database for data warehousing, data mining, or Online Analytical Processing (OLAP).

Oracle Databases on the Web

This is an intense two-day overview of Oracle databases on the web. Topics center on HTML-based Oracle data delivery (APEX, PHP, HTML-DB, XML) and Oracle Application Server, Apache and Oracle web cache. Students will have hands-on exercises interfacing Oracle using PHP, XML and HTML-DB.

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Comments about BC Oracle training

“I love your books !!! Keep up the great work, your expert advice has saved our customers a boatload of time and money.”
Tom Strelka, Honeywell Corporation

“You were crisp in your delivery; answered the questions as if you had received the questions weeks ago and could prepare your answers. I am impressed!”
Jame Gaston, Rochester, NY

“Wow, I had no idea tuning/performance could be such great entertainment material. You were the highlight of the forums, thanks for being there! Everyone I talked to gave you raves, you need a bigger room next year.”
M. J. Allen, San Diego Data Processing Corporation

“Don Burleson is one of the most exciting and dynamic instructors that we can get”
Scott Petit, AIM Institute

"This guy can come back anytime. A great instructor; the class responded well to him. Having the power point slides bound for us to read and take notes is very helpful. Teaches with enthusiasm, encourages class participation, and has the class work exercises that help people learn the concepts."
Lockheed Martin

“I have heard nothing but stellar feedback from the trainees. This was well worth conducting, and I am looking forward to the next session. Again, thank you very much. This has been money well spent.”
Sony Entertainment

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BC can customize your training to give your staff exactly the training that they require. We have some of the top Oracle experts in the industry and BC instructors have authored more than 50 bestselling Oracle books.

BC is affiliated with Rampant TechPress, publisher of over 40 Oracle books, and we can use Rampant book content to create courseware that is customized according to your exact needs.

The BC mix-and-match approach is the perfect solution for on-site Oracle training guarantees that you get exactly the topics that you want without any of the fluff and superfluous topics found in generic Oracle classroom training.

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