

PSOUG December 2007 Meeting

Agenda



- Welcome (Jack Cline)
- New attendees – Introduce yourselves
 - Sign-in sheet
- Raffle Tickets
- Membership
- Event Calendar
 - UW PL/SQL Class
 - DBA Boot Camp – Portland & Bellevue
 - Hotsos Class – Bellevue
 - Collaborate '08
- Presentation: Oracle Gems (Part IV)

Personal Membership



2008 Individual Membership

Members of PSOUG are people who work with, or are interested in, the software technologies designed and developed by Oracle.

Individual membership for one year is \$35.00 USD and includes the following benefits:

- ◆ Discounts on educational seminars and workshops (all regular meetings are always free)
- ◆ Updates on new technology advancements from Oracle
- ◆ Network with other Oracle professionals
- ◆ Support the PSOUG web presence
- ◆ Help support the organization in fulfilling its education mission

Corporate Membership



Puget Sound ORACLE® Users Group

2008 Organization Sponsorship Application

Company: _____

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Platinum Sponsorship	\$5,000 per year \$7,500 in credit for PSOUG classes and training for your employees
Gold Sponsorship	\$2,500 per year \$3,250 in credit for PSOUG classes and training for your employees
Silver Sponsorship	\$1,000 per year \$1,200 in credit for PSOUG classes and training for your employees

Puget Sound Oracle Users Group

Our Education Chair



January '08



Event Calendar

« December 2007

January 2008

February »

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
31	1	2 PSOUG Apps SIG	3	4	5	6
7 Tables & Indexes Workshop	8 SQL & PL/SQL Tuning PL/SQL at UW	9 Procedures & Packages Workshop	10 Data Guard Day 1 Physical Stdby	11 Data Guard Day 2 Logical Stdby	12	13
14 DBA Bootcamp E-Business Suite	15 DBA Bootcamp E-Business Suite	16 DBA Bootcamp E-Business Suite	17 DBA Bootcamp E-Business Suite	18 DBA Bootcamp E-Business Suite	19	20
21 DBA Bootcamp	22 DBA Bootcamp	23 DBA Bootcamp Database SIG	24 DBA Bootcamp	25 DBA Bootcamp	26	27
28 Resumable Transactions Workshop	29 Advanced Queuing Workshop	30 Streams Workshop	31 Morgan presents 11g for VicOUG	1	2 Morgan presents 11g Features Victoria, BC	3

Puget Sound Oracle Users Group

DBA Boot Camp



Day 1 - Installation		
8:30-9:00am	Registration	Join us for coffee and pastries while you register.
9:00-12:00am	Session 1	Oracle Concepts and Architecture The Oracle database is not just SQL Server or DB2 sold by a different company. The underlying concepts and architecture are substantially different. This session will cover these concepts with live demos of multiversion read consistency, how transactions and locking work including the details of the Undo tablespace and log files, as well as teach basic data dictionary object concepts related to DBA_, ALL_, USER_, and V\$ views.
12:00-1:00pm	Lunch	
1:00-2:30pm	Lab 1	Installation Fest Students will perform a hands-on installation of Oracle Unbreakable Linux, kernel configuration, and installation of Oracle 10gR2.
2:30-3:30pm	Session 2	Metalink Metalink is where DBAs obtain critical information about managing their Oracle database, download patches, obtain support, report bugs. This instructor led session will take students into metalink and teach them what is there and how to find it.
3:30-4:45pm	Lab 2	Patching Lab Students will research required patches for their installed 10.2.0.1 database and then patch them to 10.2.0.3. They will also locate the most current version of Oracle's RDA (Remote Diagnostic Agent) tool, deploy it, create RDAs, and review what they contain.
4:45-5:00pm	Review	Review The day's work will be reviewed and students will receive a homework assignment to prepare them for Day 2.

DBA Boot Camp



Day 2 - Database

9:00-10:30am	Session 3	What is a database A discussion of the components of an Oracle database that are both physical and logical structures including datafiles, tempfiles, tablespaces, tablespace groups, control files, log files, pfiles, and spfiles. The discussion will include storage best practices with the focus on understanding how SAN, NAS, iSCSI, and other storage solutions interact with the Oracle database and how to optimize performance and minimize cost.
10:30-11:30pm	Lab 3	Storage Students, using the data dictionary, will explore the default database files and then create new tablespaces, data files, tempfiles, and learn how to drop and create a new UNDO tablespace.
11:30-12:00pm	Session 4	Extent Management This instructor led discussion, with live demos, will teach students the techniques for determining space usage and predicting space requirements. Also covered will be the UNDO advisor for properly sizing the UNDO tablespace.
12:00-1:00pm	Lunch	
1:00-2:30pm	Lab 4	Extents Lab Students, using the tools discussed in Session 5, will design a schema, use the DBMS_SPACE built-in package to predict space requirements, and design the required infrastructure. They will also, using DBMS_STATS examine space utilization of existing structures.
2:30-4:00pm	Session 5	Tables This instructor led discussion, with live demos, will cover the different types of tables available in Oracle including HEAP, CLUSTERS, COMPRESSED, EXTERNAL, GLOBAL TEMPORARY, INDEX ORGANIZED, PARTITIONED, and XML.
4:00-4:45pm	Session 6	Indexes This instructor led discussion, with live demos, will cover the different types of indexes available in Oracle including B*TREE, BITMAP, BITMAP JOIN, COMPRESSED, DESCENDING, FUNCTION BASED, INVISIBLE, NO SEGMENT, and REVERSE.
4:45-5:00pm	Review	Review The day's work will be reviewed and students will receive a homework assignment to prepare them for Day 3.

DBA Boot Camp



Day 3 - Instance & SQL*Net

9:00-10:30am	Session 7	What is an Instance A discussion of the components of an Oracle instance that are both physical and logical structures including processes (PMON, SMON), memory structures (SGA, Shared Pool), and background processes such as those collecting statistics, ASH, and AWR.
10:30-12:00am	Lab 7A	SPFILE Lab Students will use this lab to learn how to create and manage parameter files and spfiles.
12:00-1:00pm	Lunch	
1:00-2:00pm	Lab 7B	Instance Management Lab This lab will provide students with hands-on experience in instance management.
2:00-3:30pm	Session 8	Network Connectivity This instructor led session will focus on SQL*Net and connectivity issues. Students will learn basic information on the structure and purpose of listener.ora, sqlnet.ora, and tnsnames.ora files.
3:30-4:45pm	Lab 8	Network Connectivity Lab In this lab students will drop and create their own listeners and gain hands-on experience tracing SQL*Net connections
4:45-5:00pm	Review	Review The day's work will be reviewed and students will receive a homework assignment to prepare them for Day 4.

DBA Boot Camp



Day 4 - Users

9:00-10:30am	Session 9	<p>Users An essential part of managing any Oracle database installation is creating users, managing their privileges, and providing an infrastructure that meets requirements for governance and compliance.</p> <p>This instructor led session will teach students both the issues and the solutions.</p>
10:30-11:00am	Lab 9A	<p>Users Lab This lab is hands-on and provides students an opportunity to learn how to create and manage users and schemas. Students will create and drop user, lock and unlock accounts, and manage passwords.</p>
11:00-11:30pm	Lab 9B	<p>System Privileges In this lab students will learn how to identify, grant, and revoke system privileges.</p>
11:30-12:00pm	Lab 9C	<p>Object Privileges In this lab students will learn how to identify, grant, and revoke object privileges.</p>
12:00-1:00pm	Lunch	
1:00-1:30pm	Session 10	<p>Roles System and object privileges are best managed by creating a hierarchy of job function/responsibility related roles. This discussion will focus on how to design, create, and maintain roles.</p>
1:30-2:15pm	Lab 10	<p>Roles Lab Students will use this hands-on lab to gain familiarity with designing a role hierarchy, and building custom roles based on system and object privileges.</p>
2:15-3:00pm	Session 11	<p>Profiles Profiles are used in the Oracle database to manage security via password expiration, reuse, complexity, and lock-out functionality. They can also be used to control connect time, idle time, and resource allocation. This instructor led session will cover the syntax and capabilities of Profiles.</p>
3:00-3:45pm	Lab 11	<p>Profiles Lab Students will use this hands-on lab to design, create, alter, and drop profiles and to alter the default password verify complexity function.</p>
		<p>Deadlocks</p>

February '08



Event Calendar						
« January	February 2008					March »
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
28	29	30	31 Morgan presents 11g for VicOUG	1	2 Morgan presents 11g Features Victoria, BC	3
4 11g RAC Clusters Build	5 11g RAC Cluster Management	6 11g RAC and ASM PSOUG Apps SIG	7 11g RAC with RMAN and Streams	8 11g RAC with Data Guard Physical Stdby	9	10
11 E-Business Suite	12 E-Business Suite	13 RMOUG Conference E-Business Suite	14 RMOUG Conference E-Business Suite	15 E-Business Suite	16	17
18 Audit Vault	19 Hotso's Class @ PSOUG NoCOUG Conf.	20 Hotso's Class Database SIG Cary Millsap	21 Hotso's Class @PSOUG	22 11g New Features	23	24
25 Disaster Avoidance and RMAN	26 Disaster Avoidance and RMAN	27 Developer Bootcamp	28 Developer Bootcamp	29 Developer Bootcamp	1	2

Puget Sound Oracle Users Group

Hotsos Class



When: February 19 – 21

Where: Meydenbauer Center: Bellevue Washington

[CLICK HERE](#)

Price: \$1,500 USD (special PSOUG price)

Oracle Performance Management Using Response Time Profiling

Syllabus

The course is organized into the following segments:

Why Collect Oracle Trace Data?

An Introduction to Method R

- ◆ **Problems with Conventional Tuning Methods (Method C)**

- What is Method C?

- Why doesn't it work consistently?

- How can we solve the performance problem?

- The data collection problem.

- The importance of properly scoped data.

- ◆ **Method R**

- What is Method R?

- The golden rule of performance optimization.

- The basic steps needed to use Method R

- Creating a basic response-time profile.



What is 10046 Trace Data

- ◆ **Overview of Oracle Tracing Mechanisms**

What is 10046 trace?

The orausr.msg file.

Why is the trace data so important?

- ◆ **Ways to Manipulate Traces**

Parameter setting required and or recommended.

How to turn on trace (examples from Oracle v8 and up).

ALTER SESSION/SYSTEM

DBMS_SUPPORT and DBMS_MONITOR

Turning off trace, explicitly vs implicitly.

Finding the trace files and the naming conventions used for them.

- ◆ **Reading a 10046 Trace File**

Review of actual trace data

The database calls and database call stats

Parsing in cursor

Parse

Bind

Exec

Fetch

The "WAIT" events and wait event stats

Overview of many "popular" wait events (db file scattered_read, db file sequential_read, latch free,

SQLNet Message to and from client, etc.)

March '08



Event Calendar

March 2008						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
26	27	28	28	29	1	2
3 E-Business Suite Boot Camp	4 E-Business Suite Boot Camp PL/SQL at UW	5 E-Business Suite Boot Camp Applications SIG	6 E-Business Suite Boot Camp	7 E-Business Suite Boot Camp	8	9
10 E-Business Suite Boot Camp	11 E-Business Suite Boot Camp PL/SQL at UW	12 E-Business Suite Boot Camp	13 E-Business Suite Boot Camp	14 E-Business Suite Boot Camp	15	16
17 11g New Features for Developers	18 11g New Features for DBAs	19 Database SIG	20 SOA Suite Day 1 DOUG Conference	21 SOA Suite Day 2	22	23
24 DBA Boot Camp Day 1 GOUSER Conf.	25 DBA Boot Camp Day 2 GOUSER Conf.	26 DBA Boot Camp Day 3 GOUSER Conf.	27 DBA Boot Camp Day 4	28 DBA Boot Camp Day 5	29	30


Puget Sound Oracle Users Group

April '08



Event Calendar						
« March	April 2008					May »
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
31 DBA Boot Camp Day 7	1 DBA Boot Camp Day 7	2 DBA Boot Camp Day 8	3 DBA Boot Camp Day 9	4 DBA Boot Camp Day 10	5	6
7	8	9 Applications SIG	10	11	12	13 Collab '08 Denver
14 Collab '08 Denver	15 Collab '08 Denver	16 Collab '08 Denver	17 Collab '08 Denver	18	19	20
21	22	23 PSOUG Database SIG	24	25	26	27
28	29	30	1	2	3	4

Puget Sound Oracle Users Group



Technology and Applications Forum for the Oracle Community

April 13-17, 2008
Denver, Colorado, USA
Colorado Convention Center

Register Now!

For Attendees:


- Conference Home
- Registration Information
- Agenda and Schedule
- Conference Location, Hotel and Travel

For Exhibitors:




- Exhibitor Information
- Exhibit Hall Floor Plan
- Online Exhibit Booth Registration
- Sponsorship Opportunities

For Session Presenters:

- Presenter Information



oracle applications users group

A collaborative event hosted by:

conference home

Register Now!

Welcome to COLLABORATE 08: Technology and Applications Forum for the Oracle Community

The [Oracle Applications Users Group \(OAUG\)](#) invites the family of Oracle Applications users to attend COLLABORATE 08: Technology and Applications Forum for the Oracle Community, which will be held in Denver, Colorado, April 13 - 17, 2008.

COLLABORATE 08 will be an event like you've never seen before. Celebrating our third year, the Independent Oracle Users Group (IOUG), the Oracle Applications Users Group (OAUG) and Quest International Users Group (Quest) have combined resources and ideas to bring you a global event in one location.

This event will deliver the same exceptional content that has become the standard for which the COLLABORATE conferences are known. Featuring the OAUG Forum, COLLABORATE 08 will bring you the best practices and user-driven training that the OAUG offers for **Oracle E-Business Suite, Oracle Retail, PeopleSoft, Siebel, Oracle Communications, MetaSolv, Hyperion and the rest of the growing family of Oracle Applications**, as well as access to the greater Oracle community.

Conference Updates

- **Registration is Open (November 5, 2007):** Registration is now open for COLLABORATE 08. [Register today](#) to take advantage of [Early Bird registration rates](#).
- **Exhibit and Sponsorship Sales (September 10, 2007):** The OAUG is now accepting contracts for [exhibit space](#) and [conference sponsorships](#).

- DBMSOBJG
 - CHECK_PERMISSIONS
- DBMS_DIMENSION
 - DESCRIBE_DIMENSION
 - VALIDATE_DIMENSION
- DBMS_FEATURE_USAGE_REPORT
 - DISPLAY_HTML
 - DISPLAY_TEXT
- DBMS_I_INDEX_UTL
 - GET_REBUILD_COMMAND
- DBMS_INDEX_UTL
 - BUILD_INDEXES
 - BUILD_SCHEMA_INDEXES
 - BUILD_TABLE_INDEXES

- DBMS_IOT
 - BUILD_CHAIN_ROWS_TABLE
 - BUILD_EXCEPTIONS_TABLE
- DBMS_METADATA
 - COMPARE_ALTER
- DBMS_MVIEW
 - EXPLAIN_MVIEW
- DBMS_ODCI
 - ESTIMATE_CPU_UNITS
- DBMS_SPACE
 - OBJECT_GROWTH_TREND
- DBMS_UTILITY
 - ACTIVE_INSTANCES
 - DB_VERSION
 - PORT_STRING

- DBMS_XPLAN
 - BUILD_PLAN_XML
 - DISPLAY_CURSOR
 - DISPLAY_PLAN
- OWA_UTIL
 - WHO_CALLED_ME
- SYS_OP_DISTINCT
- SYS_OP_MAP_NONNULL
- WM_CONCAT Function