



PSOUG December 2007 Meeting

Puget Sound Oracle Users Group

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: _____

Address: _____

City, State, Zip: _____

Contact Name: _____

Contact Phone: _____

Contact Email: _____

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

RSCUG



Puget Sound Oracle Users Group

January '08



Event Calendar

[« December 2007](#)
[January 2008](#)
[February »](#)

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

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.
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.		
9:00-12:00am	Session 1	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.
Lunch		
12:00-1:00pm	Lab 1	Installation Fest Students will perform a hands-on installation of Oracle Unbreakable Linux, kernel configuration, and installation of Oracle 10gR2.
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.		
1:00-2:30pm	Session 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.
2:30-3:30pm	Lab 2	
3:30-4:45pm	Review	Review The day's work will be reviewed and students will receive a homework assignment to prepare them for Day 2.
4:45-5:00pm		

Puget Sound Oracle Users Group

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	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.
1:00-2:30pm	Lab 4	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.
2:30-4:00pm	Session 5	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.
4:00-4:45pm	Session 6	Review The day's work will be reviewed and students will receive a homework assignment to prepare them for Day 3.

Puget Sound Oracle Users Group

DBA Boot Camp



Day 3 - Instance & SQL*Net

What is an Instance

9:00-10:30am Session 7 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.

SPFILE Lab

10:30-12:00am Lab 7A Students will use this lab to learn how to create and manage parameter files and spfiles.

12:00-1:00pm Lunch

Instance Management Lab

1:00-2:00pm Lab 7B This lab will provide students with hands-on experience in instance management.

Network Connectivity

2:00-3:30pm Session 8 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.

Network Connectivity Lab

3:30-4:45pm Lab 8 In this lab students will drop and create their own listeners and gain hands-on experience tracing SQL*Net connections

Review

4:45-5:00pm Review The day's work will be reviewed and students will receive a homework assignment to prepare them for Day 4.

Puget Sound Oracle Users Group

DBA Boot Camp



Day 4 - Users

Users

9:00-10:30am Session 9 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.

This instructor led session will teach students both the issues and the solutions.

Users Lab

10:30-11:00am Lab 9A 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.

System Privileges

11:00-11:30pm Lab 9B In this lab students will learn how to identify, grant, and revoke system privileges.

Object Privileges

11:30-12:00pm Lab 9C In this lab students will learn how to identify, grant, and revoke object privileges.

12:00-1:00pm Lunch

Roles

1:00-1:30pm Session 10 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.

Roles Lab

1:30-2:15pm Lab 10 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.

Profiles

2:15-3:00pm Session 11 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.

Profiles Lab

3:00-3:45pm Lab 11 Students will use this hands-on lab to design, create, alter, and drop profiles and to alter the default password verify complexity function.

Deadlocks

Puget Sound Oracle Users Group

February '08



Event Calendar

February 2008						
« January	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 Stby	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 Class @ PSOUG NoCOUG Conf.	20 Hotso Class Database SIG Cary Millsap	21 Hotso 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

When: February 19 – 21

Where: Meydenbauer Center: Bellevue Washington

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

[CLICK HERE](#)

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 ora.us.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.)

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

April '08



Event Calendar

[« March](#)[May »](#)

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

Puget Sound Oracle Users Group

COLLABORATE08

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](#)



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](#).

Puget Sound Oracle Users Group

- 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