



# Berliner Expertenseminar

*March 25<sup>th</sup>/26<sup>th</sup>, 2010  
DOAG KonferenzLounge, Berlin*

## Best of Oracle PL/SQL

### How can we break out of the vicious cycle caused by buggy software, and instead build wildly successful applications?

First, we have to agree on what it means for an application to be successful. Then we need to identify the key features of our chosen technologies that will make it possible for us to succeed. Finally, we must examine and modify the processes we follow to avoid bad habits and unmanageable code. This two day training by Steven Feuerstein does precisely this: identifies three main criteria of success (our code must be correct, fast enough and maintainable) and then offers ideas to optimize PL/SQL performance, automate the code testing process, write highly readable code, and reduce the most of maintenance of one's applications.

#### Best of Oracle PL/SQL

Over its lifetime, PL/SQL has grown increasingly robust and complex. Many programmers are barely aware of the new capabilities of PL/SQL, much less fully understand the implications for their programs. And virtually all PL/SQL developers are too pressured by deadlines to have the time to think through the best way to apply PL/SQL's many features.

This seminar teaches attendees about the most important features of the PL/SQL language, focusing on the major advances in Oracle Database 10g and Oracle Database 11g. Steven then takes you beyond the basics to show you how to apply these features in the context of best practices, so that you write highly optimized and easily maintained and enhanced applications.

#### Focus themes

After attending the Best of PL/SQL training, you will be ready and able to:

- Improve query and DML performance by an order of magnitude or more with BULK COLLECT, FORALL and PL/SQL collections (array-like structures).
- Automate the testing of your PL/SQL program units more thoroughly than ever before.
- Optimize the construction of your SQL statements in PL/SQL programs, both from the standpoint of performance and maintainability.
- Build modular, reusable code: Steven will show you how to take advantage of packages, local subprogram units, cursor variables, autonomous transactions, and more to craft small, reusable units of code.
- Fully leverage PL/SQL error handling features, including use of the DBMS\_ERRLOG package, the DBMS\_UTILITY error functions, and more.
- Manage errors by following a standard, consistent process for handling, raising, and reporting errors.
- Apply table functions to hide complex data transformations, making it easier and more efficient for front-end developers to work with back end data.
- Apply collections (a critical but under-utilized data structure) to solve a wide variety of problems, from slow query performance to mutating table trigger errors.

## Speaker



### About Steven Feuerstein

Steven Feuerstein is considered to be one of the world's leading experts on the Oracle PL/SQL language, having written ten books on PL/SQL, including Oracle PL/SQL Programming and Oracle PL/SQL Best Practices (all published by O'Reilly Media). Steven has been developing software since 1980, spent five years with Oracle (1987-1992), and has served as PL/SQL Evangelist for Quest Software since January 2001.

He is an Oracle ACE Director and writes regularly for Oracle Magazine, which named him the PL/SQL Developer of the Year in both 2002 and 2006. He is also the first recipient of ODTUG's Lifetime Achievement Award (2009).

Since 2005 he has focused his attention on improving the testing of PL/SQL programs, primarily through the creation of Quest Code Tester for Oracle, which automates PL/SQL code testing.

## Target Group

PL/SQL Developer  
Database Administrator  
Development Manager

## Schedule

March 25<sup>th</sup>

9:00 am welcome coffee  
9:30 am beginning  
5:00 pm scheduled end of first day  
6:00 pm scheduled departure for evening event

March 26<sup>th</sup>

9:00 am welcome coffee  
9:30 am beginning of second day  
5:00 pm scheduled end of seminar

In the seminar fee two coffee breaks and a business lunch on both days will be included. The exact time for breaks will be announced onsite by the speaker.

## Training fee

You may book both days of this event in combination as a package.

The training fee for both days (package) amounts to  
– 1,100 EUR (plus tax) for DOAG members  
– 1,400 EUR (plus tax) for guests.

## Registration

Please take into consideration: Due to the great demand, DOAG reserves the right to privilege the registration of its members.

From February 19<sup>th</sup> until February 26<sup>th</sup> 2010:  
registration for DOAG members only.  
From February 27<sup>th</sup>, 2010:  
registration is open for guests (non-members).

## Venue

KonferenzLounge  
DOAG Deutsche ORACLE-Anwendergruppe e.V.  
Tempelhofer Weg 64  
12347 Berlin

**Registration under**  
[www.doag.org/expertenseminare/](http://www.doag.org/expertenseminare/)

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