

Oracle10g PL/SQL Program Units

Length: 2 Days

Audience: Programmers and Database Administrators responsible for the development or maintenance of application systems which access an Oracle database.

Prerequisites: Oracle10g PL/SQL Programming

Overview: The course provides attendees with the background to develop stored PL/SQL programs including functions, procedures, packages, and triggers. Commonly used predefined packages provided with the Oracle10g DBMS are examined. Discussions include how these packages could be used as part of in-house applications. Additional PL/SQL features such as native dynamic SQL support and autonomous transactions are also presented.

Workshops provide students with the opportunity to use predefined packages and evaluate their potential role in an application as well as to write their own stored PL/SQL objects.

Topics discussed include:

- Review of PL/SQL Syntax
- PL/SQL on the Server
 - Creating and Calling Stored Procedures
 - Creating and Calling Stored Functions
 - Passing Parameters
 - Definer's versus Invoker's Rights
 - Creating and Using Packages
 - Database Triggers
- Advanced Features
 - PL/SQL Associative Arrays
 - BULK COLLECT
 - Native Dynamic SQL
 - Autonomous Transactions
- Predefined Packages
 - DBMS_OUTPUT
 - UTL_FILE
 - DBMS_PIPE
 - DBMS_ALERT
 - DBMS_JOB
 - DBMS_SCHEDULER
 - DBMS_ROWID
 - DBMS_METADATA
 - DBMS_RESUMABLE

- DBMS_FILE_TRANSFER
- DBMS_FLASHBACK