

Oracle9i: Advanced PL/SQL

Duration 3 Days

What you will learn:

In this course, students learn how to use the advanced features of PL/SQL in order to design and tune PL/SQL to interface with the database and other applications in the most efficient manner. Using advanced features of packages, cursors, extended interface methods, and advanced object types, students learn how to write powerful PL/SQL programs. Programming efficiency, use of external C and Java routines, PL/SQL server pages, email interface and fine-grained access are covered.

Audience:

Applications Developer

Prerequisites:

Oracle9i: Program with PL/SQL

Introduction to Oracle9i: SQL

Course Objectives:

Create PL/SQL applications that use Oracle objects

Implement Oracle9i features to create large, complex and effective applications

Design PL/SQL packages and program units that execute efficiently

Write and tune PL/SQL code effectively to maximize performance

Write code to interface with external applications and the operating system

Use some of the advanced features of the supplied built-in packages to implement a wide range of functionality

Course Topics:

Using Function Optimization Hints Effectively

Writing Programs with Purity Features

Determining and Using the Invoker Rights Model

Using Autonomous Transactions

Creating Standards for Error Handling and Constants

Creating Wrappers to Protect the Intellectual Property of a Vendor

Writing Code to Interface with External C Applications and the Operating System

Executing Java Routines from PL/SQL

Understanding Objects in Programming

Writing Code to Interface with Nested Tables and VARRAYs

Creating PL/SQL Applications that Use Oracle Objects

Tuning PL/SQL Code Effectively to Maximize Performance

Accessing and Setting Session Level Settings Programmatically

Sending E-mail Programmatically

Defining, Writing, and Running a PL/SQL Server Page

Describing the Features of Fine-Grained Access Control

Showing How Fine-Grained Access Control Works

Implementing Fine-Grained Access Control

Suggested Next Courses:

Oracle9i: SQL Tuning Workshop