ORA_PLSQL AD - Oracle Database PL/SQL Advanced

Oracle - Oracle Sviluppo - Sviluppo

Durata:	Lingue:	Certificazione:
3 Giorni	**Italiano**	**-**

Descrizione del corso

This course teaches you how to use the advanced features of PL/SQL to design and tune PL/SQL to interface with the database and other applications.

Programma

Introduction

- Course Objectives
- Course Agenda
- Describe the development environments
- Identify the tables, data, and tools used in this course

PL/SQL Programming Concepts: Review

- Identify PL/SQL block structure
- Packages, procedures and functions
- Cursors
- Handle exceptions
- Dependencies

Designing PL/SQL Code

- Describe the predefined data types
- Create subtypes based on existing types for an application

- List the different guidelines for cursor design
- Describe cursor variables
- White List

Overview of Collections

- Overview of collections
- Use Associative arrays
- Navigate using associative methods
- Use Nested tables
- Use Varrays
- Compare nested tables and varrays

Using Collections

- Write PL/SQL programs that use collections
- Use Collections effectively
- Enhancements to PL/SQL Type Binds

Manipulating Large Objects

- Working with LOBs
- Overview of SecureFile LOBs

Using Advanced Interface Methods

- Calling External Procedures from PL/SQL
- Benefits of External Procedures
- Understand how an external routine is called from PL/SQL
- C advanced interface methods
- Java advanced interface methods

Performance and Tuning

- Understand and influence the compiler
- Tune PL/SQL code
- Enable intra unit inlining
- Identify and tune memory issues
- Recognize network issues

Improving Performance with Caching

- Describe result caching
- Use SQL query result cache
- Use PL/SQL function cache
- Review PL/SQL function cache considerations

Analyzing PL/SQL Code

- Finding Coding Information
- PL/Scope Concepts
- DBMS_METADATA Package
- PL/SQL Enhancements

Profiling and Tracing PL/SQL Code

- Tracing PL/SQL Execution
- Tracing PL/SQL: Steps

Implementing VPD with Fine-Grained Access Control

- Understand how fine-grained access control works overall
- Describe the features of fine-grained access control
- Describe an application context
- Create an application context
- Set an application context
- List the DBMS_RLS procedures
- Implement a policy
- Query the dictionary views holding information on fine-grained access

Safeguarding Your Code Against SQL Injection Attacks

- SQL Injection Overview
- Reducing the Attack Surface
- Filtering Input with DBMS_ASSERT