

Oracle Training: Building a Data Warehouse (ORWARE, 4 jours)

Description

The course Building a Data Warehouse (Oracle Training) focuses on the art, functionality and application of Data Mining and Data Warehousing with Oracle. Beginning with the definitions of facts and dimensions, the course discusses every aspect of the Data Warehouse creation process from data loading to data mining. Implementing a data warehouse has never been this intuitive.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Data Warehousing

What is a Data Warehouse?

Oracle Data Warehouse Features

Challenges of Building a Data Warehouse

Essential Data Warehouse Concepts

Data Warehouse versus Data Mart

Where is Data Warehouse Going?

About the Oracle Warehouse Builder

Designing a Data Warehouse

About Dimensional Modeling

Dimension Tables and Fact Tables

Warehouse Keys

Data Warehouses and Normalization

Management and Performance Considerations

Implementing the Data Warehouse

The Topology of the Design

The Database Configuration Assistant

Data Files, Tablespaces and Schemas

Creating the Fact and Dimension Tables

Indexing and Partitioning

Testing the Design

Architecture

The Hardware Configuration

Hardware Components

Automatic Storage Management

File Management

The Physical Design

Data Partitioning

Indexing

IOTs

Data Compression

Loading Data

Extracting Data from the OLTP System

Transforming Data

Loading the Warehouse

Oracle Database Transformations

Postload Operations

Commonly Used Tools

Querying

The Query Optimizer

Parallel Execution

Data Warehouse Specific SQL

Summary Management

About Summary Tables

Planning the Physical Storage

Creating a Materialized View

Refreshing the Materialized View

Partitioning and Indexing

The EXPLAIN_MVIEW Utility

Dimensions

About Dimensions

Creating a Dimension

Single and Multiple Hierarchies

Adding Attributes

Dimensions and Normalized Tables

Dimension Validation

Query Rewrite

What is Query Rewrite

Overview of Rewrite Types

SQL Text Match

Join Back

Adding Aggregations

Filtered Data

Dimensions

Constraints

Integrity Modes

Partitioning Change Tracking

Advanced Query Rewrite Options

Tuning Query Performance

Monitoring Performance

Advisor Central

SQL Access Advisor

SQL Tuning Advisor

Memory Advisor

OLAP

Overview of Oracle OLAP

ROLAP and MOLAP

OLAP Architecture

Analytic Workspaces

The OLAP Catalog

The Analytic Workspace Manager

Querying Analytic Workspaces

Oracle Data Mining

Overview of Oracle Data Mining

Association Rules

Clustering

Feature Extraction

Classification

Regression

The PMML Standard

Final Case Study : The ChoquetteTech Data Warehouse
