



Oracle Communications Data Model Training Focus Area

Introduction to Oracle Communications Data Model

What is the Oracle Communications Data Model?

Components of Oracle Communications Data Model

Oracle Products That Make Up Oracle Communications Data Model

Implementing an Oracle Communications Data Model Warehouse

Before You Begin Customizing the Oracle Communications Data Model

Prerequisite Knowledge for Implementers

Responsibilities of a Data Warehouse Governance Committee

Performing Fit-Gap Analysis for Oracle Communications Data Model

Q & A

Physical Model Customization

Characteristics of the Default Physical Model

Implementation Steps for Oracle Communications Data Model

Resources and Skills Required

Feed Data to the Foundation Layer of Oracle Communications Data Model

Feed Lookup tables

Feed Reference Tables

Feed Base Tables

Customizing the Oracle Communications Data Model Physical Model

Questions to Answer Before You Customize the Physical Model

Conventions When Customizing the Physical Model

Foundation Layer Customization

Common Change Scenarios

General Recommendations When Designing Physical Structures

Table spaces in the Oracle Communications Data Model

Data Compression in the Oracle Communications Data Model

Tables for Super type and Subtype Entities in Oracle Communications Data Model

Surrogate Keys in the Physical Model

Integrity Constraints in Oracle Communications Data Model

Indexes and Partitioned Indexes in the Oracle Communications Data Model

Partitioned Tables in the Oracle Communications Data Model

Parallel Execution in the Oracle Communications Data Model

Q & A

Access Layer Customization

Introduction to Customizing the Access Layer of Oracle Communications Data Model

Derived Tables in the Oracle Communications Data Model

Creating New Derived Tables for Calculated Data

Customizing Oracle Communications Data Model Data Mining Models

Aggregate Tables in Oracle Communications Data Model

Dimensional Components in the Oracle Communications Data Model

Characteristics of a Dimensional Model

Characteristics of Relational Star and Snowflake Tables

Characteristics of the OLAP Dimensional Model

Cube Partitioning Strategy Options

Cube Data Maintenance Methods

Materialized Views in the Oracle Communications Data Model

Types of Materialized Views and Refresh Options

Types of Indexes for Materialized Views

Options for Partitioning and Materialized Views

Considerations for Data Compression with Materialized Views

Q & A

ETL Implementation and Customization

ETL Implementation and Customization

The Role of ETL in Oracle Communications Data Model

ETL for the Foundation Layer of an Oracle Communications Data Model Warehouse

- Application Adapters that Populate the Foundation Layer

- Writing Your Own Source-ETL

Customizing Intra-ETL for Oracle Communications Data Model

- Handling Lookup Values in Staging

- Executing Derived Intra-ETL Programs

- Refreshing Aggregate Materialized Views

- Refreshing Data mining models

- Refreshing OLAP Cubes

- Executing Intra-ETL Workflow

Performing an Initial Load of an Oracle Communications Data Model Warehouse

- Performing an Initial Load of the Foundation Layer

- Performing an Initial Load of the Access Layer

- Executing the Default Oracle Communications Data Model Intra-ETL

Refreshing the Data in an Oracle Communications Data Model Warehouse

- Refreshing the Foundation Layer of Oracle Communications Data Model Warehouse

- Refreshing the Access Layer of an Oracle Communications Data Model Warehouse

- Refreshing Oracle Communications Data Model Derived Tables

- Refreshing Oracle Communications Data Model Aggregate Materialized Views

- Refreshing OLAP Cubes

- Refreshing Oracle Communications Data Model Data Mining Models

- Running Oracle Data Miner Workflows

Managing Errors During Oracle Communications Data Model Intra-ETL Execution

- Monitoring the Execution of the Intra-ETL Process

- Recovering an Intra ETL Process

Q & A

Report and Query Customization

Reporting Approaches in Oracle Communications Data Model

Customizing Oracle Communications Data Model Sample Reports

Writing Your Own Queries and Reports

Optimizing Star Queries

Troubleshooting Oracle Communications Data Model Report Performance

As Is and As Was Queries

- Characteristics of an As Is Query

- Characteristics of an As Was Query

- Example: As Is and As Was Queries Against Oracle Communications Data Model

How to Create a New Oracle Communications Data Model Dashboard

How to Create a New Report

Q & A

Metadata Collection and Reports

Overview of Managing Metadata

- Metadata Categories and Standards

- Metadata Management Using a Metadata Repository

Browsing Metadata Reports and Dashboard

- Using the Measure-Entity Tab Business Areas and Measures Attributes and Entities

- Using the Entity-Measure Tab Entity to Display Measures

- Using the Program-Table Tab

- Using the Table-Program Tab to List Tables for Reports

Collecting and Populating Metadata

- Loading LDM/PDM Metadata

- Loading Program (Intra-ETL) Metadata (Table MD_PRG)

- Loading Reports and KPI Metadata (Table MD_KPI and MD_REF_ENTY_KPI)

Q & A

Working with User Privileges in Oracle Communications Data Model

Accounts Created for Oracle Communications Data Model

When You Must Consider User Privileges in an Oracle Communications Data Model

Granting Only Required Privileges to Database Users of OCDM_SYS

Granting Only Select Privileges to Database Users of the Sample Reports

Q & A