

Oracle BI Suite Enterprise Edition 10g Bootcamp

Duration: 5 Days

What you will learn

This Oracle BI Suite Enterprise Edition 10g Bootcamp training provides an introduction to the fundamental concepts of business intelligence and the Oracle BI Enterprise Edition architecture. Learn how to build and verify the three layers of an Oracle BI repository.

Learn To:

Describe the role of key components in the architecture.

Use the Oracle BI Administration Tool to build, manage and maintain an Oracle BI repository.

Use Oracle BI Answers to build and execute queries to test and verify a dimensional business model.

Use the Oracle BI Administration Tool to administer Oracle BI Server.

Build queries and Dashboards in Oracle BI Answers.

Use Oracle BI Delivers to configure, schedule and deliver personalized alerts.

Use step-by-step instructions to create ad-hoc queries in Oracle BI Answers and incorporate them into Interactive Dashboards.

Implement Oracle BI Server security and manage Oracle BI Server cache.

Oracle BI Server Administration Tool

You'll begin by using the Oracle BI Server Administration Tool to construct a simple repository to address a fictitious company's business requirements. Expert Oracle University instructors will then teach you how to import schemas, design and build logical business models and expose them to users in Oracle BI Answers. You'll then extend the initial repository and learn how to model more complex business requirements.

Oracle BI EE User Interfaces

Next, you'll explore Oracle BI EE user interfaces by building a simple Oracle BI Interactive Dashboard. You'll start with basic requests created in Answers, adding more complexity as the topics progress, including pivot tables, charts, prompts and embedded content. You will also use Oracle BI Delivers to send real-time, personalized alerts to Interactive Dashboards for subscribed users, while exploring the Administration features of the BI Presentation Services.

Audience

Application Developers

Business Analysts

Business Intelligence Developer

Data Modelers

Functional Implementer

Reports Developer

Technical Consultant

Related Training

Suggested Prerequisites

Basic SQL

Database design

Dimensional modeling

Course Objectives

Create and modify Business Intelligence requests using Oracle Business Intelligence Answers

Create and modify Interactive Dashboards

Customize the Oracle BI Presentation Services user interface

Business intelligence concepts and the

Build the Physical, Business Model and Mapping, and Presentation layers of a repository

Set up query logging for testing and debugging

Use Oracle BI Answers to run queries to test and validate a repository

Build simple and calculated measures for a fact table

Create dimension hierarchies and level-based measures

Model partitions and fragments to improve application performance and usability

Use time series functions to support historical time comparison analyses

Configure Oracle BI to support multilingual environments

Apply cache management techniques to maintain and enhance query performance

Enable usage tracking to track queries and database usage, and improve query performance

Set up a multi-user development environment

Course Topics

Oracle Business Intelligence Enterprise Edition: Overview and Architecture

Define and describe business analytics and business intelligence

Identify the analytical business challenge and the solution provided by Oracle BI products

Define and describe data warehousing and data modeling

Identify the major components that make up the Oracle BI Enterprise Edition architecture

Describe the role of key components in the architecture

Describe the relationships among the components

Repository Basics and Building the Physical Layer of a Repository

- Repository structure, features, and functions
- Using the OracleBI Administration Tool
- Creating a repository
- Loading a repository into Oracle BI Server memory
- Importing data sources
- Setting up connection pool properties
- Defining keys and joins
- Creating alias and select tables

Building the Business Model and Mapping Layer of a Repository

- Building a business model
- Building logical tables, columns, and sources
- Defining logical joins
- Building measures
- Examining business model object properties

Building the Presentation Layer of a Repository

- Exploring Presentation layer objects
- Creating Presentation layer objects
- Modifying Presentation layer objects
- Examining Presentation layer object properties

Testing and Validating a Repository

- Checking repository consistency
- Turning on logging
- Defining a repository in the initialization file
- Testing a repository using Oracle BI Answers
- Inspecting the query log

Adding Multiple Logical Table Sources and Calculations to a Fact Table

- Adding multiple logical table sources to a logical table
- Creating new calculation measures based on existing logical columns
- Creating new calculation measures based on physical columns
- Creating new calculation measures using the Calculation Wizard

Creating Dimension Hierarchies and Level-Based Measures

- Creating dimension hierarchies
- Creating level-based measures
- Creating share measures
- Creating rank measures

Using Aggregates, Partitions, Fragments and Repository Variables

- Modeling aggregate tables to improve query performance
- Testing aggregate navigation and Using the Aggregate Persistence Wizard
- Purpose for segmenting data into partitions and fragments
- Partition types and Modeling partitions in an Oracle BI repository
- Session variables and Repository variables
- Initialization blocks
- Using the Variable Manager
- Using dynamic repository variables as filters

Modeling Time Series Data

Using time comparisons in business analysis

Using Oracle BI time series functions to model time series data

Configuring Oracle Business Intelligence data and metadata to support multilingual environments

Setting an Implicit Fact Column

Adding fact columns automatically to dimension-only queries

Ensuring the expected results for dimension-only queries

Selecting a predetermined fact table source

Specifying a default join path between dimension tables

Security and Cache Management

Creating users and groups

Setting permissions for users and groups

Authenticating using an external database and database authentication

Setting query limits and timing restrictions

Restricting tables as non-cacheable

Using Cache Manager, Inspecting cache reports and Purging cache entries

Modifying cache parameters and options

Seeding the cache

Setting Up and Administering Usage Tracking

Tracking and storing Oracle BI Server usage at the detailed query level

Using usage tracking statistics to optimize query performance and aggregation strategies

Analyzing usage results using Oracle BI Answers and other reporting tools

Multi-user Development

Setting up a multi-user development environment

Developing a repository using multiple developers

Tracking development project history

Filtering Requests in Oracle Business Intelligence Answers

Introduction to filters in Answers

Adding filter prompts to requests

Using saved requests as filters

Oracle Business Intelligence Answers: Advanced Features

Combining request criteria using set operations

Executing direct database requests

Editing logical SQL generated by a request

Building Views and Charts in Requests

Introduction to Answers views and charts

Creating and editing charts

Performing common view tasks

Showing Results with Pivot Tables

Introduction to pivot tables

Formatting pivot tables

Setting aggregation rules and building formulas

Creating and Configuring Oracle Business Intelligence Interactive Dashboards

Introduction to Interactive Dashboards and pages

Dashboard Editor UI elements

Composing dashboard elements

Types of dashboard content

Embedding content in Interactive Dashboards

Using bookmark links to distribute and save Interactive Dashboards

Customizing the Oracle Business Intelligence User Interface

Modifying cascading style sheets

Modifying XML message files

Making configuration changes using the instanceconfig file

Administering the Oracle Business Intelligence Presentation Catalog

Maintaining the Oracle BI Presentation Catalog

Managing security

Understanding security inheritance

Describing the Presentation Catalog structure

Permission types

Setting permissions using the Manage Catalog screen

Using Oracle Business Intelligence Delivers

Introduction to Oracle BI Delivers

Configuring delivery devices

Adding delivery profiles

Building alerts

Introduction to Oracle BI Scheduler

Scripted jobs