

## Oracle BI 11g: Create Analyses & Dashboards

### Course Summary

#### Description

This course offers an exhaustive, step-by-step guide through the powerful features of the Oracle Business Intelligence (BI) product suite. One will learn the concepts, methods and techniques for building sophisticated data analytic modules. Analytic results are then organized into interactive dashboards. A solid foundation is laid for one to progress onto the latest and most advanced data analytic capabilities.

#### Objectives

At the end of this course, students will be able to:

- Understand background discussion of data warehousing, business intelligence (BI) and data analytics presented in a form that business professionals can readily understand.
- Understand Background concepts regarding logical data models, star schema and snowflake schema warehouse models.
- Understand How to build analytical models using fact tables, dimensions, dimension hierarchies, cubes, measures and other multidimensional data model objects.
- Use interactive Dashboards to analyze data, uncover trends and make strategic business decisions.
- Export BI results to productivity software such as Microsoft Office or other external systems.
- Design customized Dashboards to reflect an individual's role, perspective or business interest.
- Create data analyses and dynamically interact with results produced from Oracle BI.
- Format analyses using sorts, filters and prompts.
- Format column output, subtotaling, customization of column properties and transforming column data using formulas.
- Create results with compound layouts, including views such as tabular, chart, pivot table, gauge and others.
- Manage content, permissions and access within the Presentation Catalog.

#### Topics

- Data Warehousing, Business Intelligence & Data Analytics
- Getting Started With Oracle Bi
- Using A Dashboard
- Creating An Analysis
- Selecting & Ordering Data
- Column Formatting
- Employing Table & Title Views
- Employing Graph & Gauge Views
- Employing Pivot Table Views
- Employing Secondary Views
- Deploying Analyses To Dashboards
- Building A Dashboard

#### Audience

The target audience for this course is any business professional seeking to analyze enterprise-wide or departmental information collected into an organization data warehouse. Among those for whom this course might be particularly useful would be:

- Data architects
- Data warehouse administrators and analysts
- Business analysts
- Financial managers
- Market research professionals
- Human resource managers
- Procurement and vendor management professionals
- Field representatives
- Business development managers

## **Oracle BI 11g: Create Analyses & Dashboards**

### **Course Summary (cont'd)**

#### **Prerequisites**

It is assumed that you have access to a valid installation of the Oracle WebLogic Server and a deployment of the Oracle BI Server. Therefore, it is a mandatory prerequisite that this environment be configured in advance. A step-by-step guide to creating such an installation along with overview information about the technical architecture which supports these platforms is provided in the textbook: ORACLE FUSION MIDDLEWARE 11G: WEBLOGIC & BI SERVER ARCHITECTURE & INSTALLATION.

Advanced or power users who may not be responsible for the actual installation but who are interested in Oracle BI architecture and administration topics may consider that textbook to be an optional prerequisite.

Otherwise, a general working knowledge of desktop business software and the use of web-based services via a browser are the only mandatory technical prerequisites.

#### **Duration**

Two days

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### Course Outline

- I. Data Warehousing, Business Intelligence & Data Analytics**
  - A. The Technology Behind Bi
  - B. Warehouse Models & Schemas
  - C. Data Analytics & The Warehouse
- II. Getting Started With Oracle Bi**
  - A. Access Bi Presentation Services
  - B. Global Header & Home Page
  - C. Star & Snowflake Schema Models
  - D. The Presentation Catalog
- III. Using A Dashboard**
  - A. The Dashboard Interface
  - B. Viewing The Analyses Results
  - C. Working With The Analysis Results
  - D. Filtering Data Via Prompts
  - E. Dashboard Page Options
  - F. Managing Page Customizations
- IV. Creating An Analysis**
  - A. Creating A New Analysis
  - B. Adding Columns To The Analysis
  - C. Managing The Analysis Definition
  - D. Viewing The Results
  - E. Working With Subject Areas
- V. Selecting & Ordering Data**
  - A. Sorting Data
  - B. Filtering Data
  - C. Reusing Filters
  - D. Prompts
- VI. Column Formatting**
  - A. Customizing Column Properties
  - B. System---Wide Column Formatting
  - C. Column Formulas
- VII. Employing Table & Title Views**
  - A. About Views
  - B. Working With Views
  - C. Table View
  - D. Title View
- VIII. Employing Graph & Gauge Views**
  - A. Chart View
  - B. Gauge View
- IX. Employing Pivot Table Views**
  - A. Pivot Table Concepts
  - B. Defining The Pivot View
  - C. Sections & Pages
  - D. Totals Within Pivot Tables
- X. Employing Secondary Views**
  - A. Filters View
  - B. Column Selector View
  - C. View Selector View
  - D. Ticker View
  - E. Legend View
  - F. Narrative View
- XI. Deploying Analyses To Dashboards**
  - A. Using Dashboard Prompts
  - B. Preparing Objects For Dashboard Deployment
- XII. Building A Dashboard**
  - A. Creating A Dashboard
  - B. Understanding The Dashboard Structure
  - C. Using The Dashboard Editor
  - D. Managing Saved Content
  - E. Managing Dashboard Objects