BOOST
THE LEADING TRAINING PROVIDER

Information Technology

Business Objects (Design) - Basic

Course Introduction

This training course is designed to provide participants with the essential concepts and knowledge on creating SAP BusinessObjects universes using the SAP BusinessObjects Information Design Tool.

Target Audience

- Cloud Computing Engineer
- Computer Network Specialist
- Computer Support Specialist
- Database Administrator
- Information Technology Analyst
- Information Technology Leadership
- Information Security Specialist
- Software/Application Developer
- Web Developer
- Technology sales consultant

Learning Objectives

- Gain a comprehensive understanding of the skills needed to work with the Information Design Tool.
- Extract, define, and manipulate metadata from relational and OLAP sources to create and deploy SAP BusinessObjects universes.
- Resolve loops using aliases and contexts.
- Managing a Universe using the Data Foundation View and Business Layer View.
- Use data from different source systems (SAP and non-SAP) with the SAP BusinessObjects BI client tools.

Course Outline

- **Day 01**

BASIC SAP BUSINESSOBJECTS UNIVERSE DESIGN

  - Describing Universes
  - Defining the Components of a Universe

DATA CONNECTIONS

  - Defining connections

DATA FOUNDATIONS

- Creating Data Foundations
- Using Joins

BUSINESS LAYERS

- Accessing Data through the Business Layer
- Integrating the Business Layer Components
- Validating Objects
- Creating Measure Objects
- Creating Shortcut Joins

- **Day 02**

LOOPS IN A DATA FOUNDATION

- Resolving Loops with Joined Tables
- Resolving Loops Using Aliases
- Resolving Loops Using Contexts
- Detecting Contexts
- Editing Contexts
- Testing Contexts
- Resolving Recursive Loops

DATA RESTRICTIONS

- Defining Data Restrictions
- Applying Mandatory Data Restrictions
- Applying Optional Data Restrictions

LISTS OF VALUES (LOV)

- Providing a List of Values

PARAMETERS

- Illustrating Runtime Parameters

OBJECT @FUNCTIONS

- Using Object @functions in Queries
- Applying the Aggregate Awareness Optimization Method
- Using Other @ Functions

- **Day 03**

NAVIGATION PATHS

- Defining Drill Down Navigation Paths

DERIVED TABLES

- Creating Derived Tables

KEY AWARENESS

- Defining Numeric Keys

UNIVERSE MANAGEMENT WITH DATA FOUNDATION AND BUSINESS LAYER VIEWS

- Managing a Universe using the Data Foundation View
- Managing a Universe using the Business Layer View

UNIVERSE OPTIMIZATION

- Optimizing Universes Using Parameters

- **Day 04**

UNIVERSE DEPLOYMENT AND SECURITY

- Deploying a Universe
- Securing a Published Universe
- Creating Data Security Profiles
- Creating Business Security Profiles
- Assigning Security Profiles to Users
- Identifying the Priority of Security Settings
- Updating a Published Universe

SQL CLAUSE PROCESSING PROBLEMS

- Determining How the Order of SQL Clauses Affects Data Returned
- Detecting Ambiguity Caused by SQL Requests Run Against Joined Tables
- Resolving Ambiguity Caused by SQL Requests Run Against Joined Tables
- Identifying Fan Traps
- Resolving Ambiguity Caused by SQL Requests Run Against Joined Tables

OUTER JOIN PROBLEM RESOLUTION

- Resolving an Ambiguous Outer Join Using @AggregateAware

• **Day 05**

UNIVERSE CREATION FROM DIFFERENT DATA SOURCES

- Identifying the Different Data Sources
- Creating an OLAP Universe
- Creating a Multi-source Universe

SHARED PROJECTS

- Using Shared Projects
- Manipulating Other Designers' Resources

UNIVERSE CONVERSION

◦ Converting Existing .unv Universes

TRANSLATION

◦ Deploying Universes in Different Languages

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 11, 2025	May 15, 2025	5 days	4250.00 $	KSA - Riyadh
July 14, 2025	July 18, 2025	5 days	4950.00 $	England - London
Nov. 10, 2025	Nov. 14, 2025	5 days	4250.00 $	UAE - Abu Dhabi