

[BOID10]: SAP BusinessObjects Information Design Tool

Length : 5 Days
Level : Details, Configuration & Transaction
Delivery Method : Instructor-led (Classroom)

Course Overview

This course is designed to give participants the comprehensive skills needed to work with the Information Design Tool. The Information Design Tool enables designers to extract, define, and manipulate metadata from relational and OLAP sources to create and deploy SAP BusinessObjects universes.

In this course participants learn how to use data from different source systems (SAP and non-SAP) with the SAP BusinessObjects BI client tools.

Audience Profile

- Application Consultant
- Data Consultant / Manager
- Database Administrator
- Developer
- Developer Consultant
- System Administrator
- System Architect
- Technology Consultant

Pre-Requisites

Essential

- Working knowledge of SQL and relational, also OLAP database management systems, concepts, and structures
- OLAP database management concepts, systems and structures

Recommended

- Basic knowledge of reporting with SAP BusinessObjects Web Intelligence or equivalent knowledge of how universes are used by the various SAP BusinessObjects analytics tools

AVANTUS TRAINING PTE LTD

80 Jurong East Street 21 #04-04 Devan Nair Institute Singapore 609607

Main Line: +65 6661 0888 | Fax: +65 6661 0886

Email: enquiries@AvantusTraining.com

www.AvantusTraining.com

Course Outline

Module 1: Basic SAP BusinessObjects Universe Design

Lessons

- Describing Universes
- Working with Local Projects

Module 2: Data Connections

Lessons

- Defining Connections

Module 3: Data Foundations

Lessons

- Creating Data Foundations
- Using Joins

Module 4: Business Layers

Lessons

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

Module 5: Shared Projects

Lessons

- Using Shared Projects
- Manipulating Other Designers' Resources

Module 6: Universe Deployment

Lessons

- Deploying a Universe

Module 7: Loops in a Data Foundation

Lessons

- Creating Loops on the Data Foundation
- Resolving Loops Using Aliases
- Resolving Recursive Loops
- Resolving Loops Using Contexts

Module 8: Data Restrictions

Lessons

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

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Module 9: Lists of Values (LOVs)**Lessons**

- Defining a List of Values
- Associating a List of Values to a Business Layer Object

Module 10: Parameters**Lessons**

- Creating and Using a Parameter

Module 11: Navigation Paths**Lessons**

- Defining and Creating Navigation Paths

Module 12: SQL Traps**Lessons**

- Defining SQL Traps
- Identifying a Chasm Trap
- Resolving a Chasm Trap
- Identifying a Fan Trap
- Resolving a Fan Trap

Module 13: Object @Functions**Lessons**

- Using @Functions in SQL
- Using the @AggregateAware function
- Using the @Select Function
- Using the @Where Function
- Using the @Execute Function
- Using the @Variable Function

Module 14: Extending the Data Foundation with Derived Tables and Calculated Columns**Lessons**

- Creating and Using Derived Tables
- Creating and Using Calculated Columns

Module 15: Universe Optimization**Lessons**

- Optimizing Universes

Module 16: Universe Management with Data Foundation and Business Layer Views**Lessons**

- Managing the Data Foundation Using Views
- Managing the Business Layer Using Views

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Module 17: Universe Security**Lessons**

- Securing a Deployed Universe with Security Profiles
- Creating and Assigning Universe Security Profiles
- Identifying the Priority of Security Settings
- Updating a Deployed Universe

Module 18: Ambiguous Outer Join Resolution**Lessons**

- Resolving an Ambiguous Outer Join

Module 19: Universe Creation with Different Data Sources**Lessons**

- Identifying Different Data Sources
- Creating an OLAP Universe
- Creating a Universe from a BEx Query
- Creating a Multisource Universe
- Creating and Using Federated Tables

Module 20: Linked Universes**Lessons**

- Defining and Creating a Linked Universe
- Special Considerations of Linked Universes
- Managing Core Universes
- Prioritizing the Display of Tables Common to Multiple Core Data Foundations
- Including a Core Universe

Module 21: Universe Conversion**Lessons**

- Converting Existing .unv Universes

Module 22: Universe Translation**Lessons**

- Deploying a Universe in Different Languages

Module 23: Advanced Data Manipulation in the Business Layer**Lessons**

- Using SQL to Manipulate Data

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