

**Information Design Tool (IDT)**

**Course Number:** BO-108  
**Duration:** 2 days

**Overview**

This SAP® BusinessObjectsTM Information Design Tool (IDT) training teaches attendees Universe creation and how to implement relational database connections, Data Foundations, Business Layers, Folders, objects, and more. Students also learn how to publish, secure, and maintain Universes.

**Prerequisites**

No prior experience is presumed.

**Materials**

All BusinessObjects training students receive comprehensive courseware.

**Software Needed on Each Student PC**

Class files and instructions for setting them up on your BusinessObjects server are provided. All attendees and the instructor will need access to the server during the training.

**Objectives**

* Create Single and Multi-Connection Universes
* Incorporate Data Foundations
* Create Business Layer Views
* Add Folders and Objects
* Create Dimensions, Attributes, and Measures
* Implement Filters within the different layers
* Implement Aggregate Awareness
* Use Queries to test the Model

**Outline**

* IDT Overview
  + Basic Architecture
  + Infrastructure
  + Defining Layers
  + Definitions Review
  + Universe Development Process
* Getting Started
  + Defining Connections
  + Using the Connection Editor
  + Setting Connection Parameters
  + Creating Local Projects
* Building Data Foundation Layer
  + Creating the Data Foundation
  + Using Data Foundation Editor
  + Inserting Database Tables
  + Viewing data in Table/Column
  + Detecting/Setting Keys
  + Profiling Column values
  + Inserting/Deleting Comments
* Data Foundation Details
  + Defining Joins
  + Aliasing Tables
  + Setting/Deleting Column Filters
  + Creating Calculated Columns
  + Inserting Derived Tables
  + Creating Time Calculated Columns
* Business Layer Basics
  + What is a Business Layer View
  + Creating Business Layers
  + Selecting Data Foundation
  + Building Folders and Dimensions
* Attributes and Measures
  + What are Attributes?
  + Building Attributes in the Business Layer
  + What are Measures?
  + Building Measures in the Business Layer
* Aggregate Awareness
  + Adding Summary tables into Data Foundation
  + Using @AggregateAware function
  + Detecting incompatible objects
  + Defining Aggregate Navigation
* Query Objects and Testing
  + Building Query Objects
  + Testing the Business Layer
  + Integrity checking
* Filters
  + Creating Filters
  + Object vs Universe Business Level Filters
  + Optional and mandatory filter settings
  + Filter testing
* LOV’s, Parameters and @Functions
  + Creating and Implementing Custom List’s of Values
  + Creating and Implementing Parameters
  + Using @Prompt, @Select, @Where
  + Overview of @DerivedTable and @Variable
* Publishing and Securing Universes
  + Publishing Universe
  + Understanding Security Profiles
  + Building Data Security Profiles
  + Building Business View Security Profiles
  + Profile Aggregation and Net Profiles
  + Testing, Editing and Deleting Profiles
* Converting 3.x Universes
  + How to use Conversion Wizard
  + Reviewing changes to the Universe after conversion
  + Testing Universe after Conversion
* Addendum
  + Resolving Loops
  + Contexts in Business Layers and reasons for usage
  + Universes based on OLAP Cubes (SAP BW)
  + Testing Universes after Conversion
  + Using Shared Projects
* Conclusion