

Information Design Tool 4.x

Course Description

This course teaches universe design concepts and terminology, as well as the role of universes in relation to SAP Business Objects reporting tools.

The course provides an overview of the process for planning, designing, and creating a universe and then walks you through the process of designing a universe that responds to identified requirements.

You will learn best-practice methodology for creating universes that respond to your reporting requirements. Through well-designed universes, report designers and business users will be able to create reports without having to know anything about the underlying data source or structure.

Course Audience

The target audience for this course is Universe designers.

Prerequisite Education

To be successful, you must have working knowledge of:

- SQL and relational database management systems concepts and structures
- Familiarity with the type of data and the logical structure of the databases in your organization
- Familiarity with Business Objects Web Intelligence report building

Additional Education

Not applicable for this offering.

Level, Delivery, and Duration

This introductory, instructor-led offering is a two-day course.

Applicable Certification

Not applicable for this offering.

Course Topics

Understanding the Information Design Tool

- About the Information Design Tool (IDT)
- Opening the Information Design Tool
- Getting around Information Design Tool
- Navigation and Menu Bar
- Navigation – Create a Project and Retrieve a Published Universe
- Navigation – Publish a Universe
- Navigation – Save a Local Copy
- Navigation – Save to Other Formats
- Understanding Information Design Tool Layers

The Connection

- Creating a New Connection
- Securing and Publishing a Connection
- Business Layer

The Data Foundation

- Purpose of the Data Foundation
- Data Foundation Screen Layout
- Optional Panes
- Drawers Pane
- Data Foundation Workspace
- Data Foundation Properties
- Creating a New Data Foundation
- Inserting Tables into a Universe
- Arranging Tables in the Structure Pane
- Viewing Data from the Data Foundation
- Derived Tables
- Alias Tables

The Data Foundation (continued)

- Joins
- Schema Design
- Join Creation
- Join Types and Properties
- Defining Specific Types of Joins
- Data Foundation Summary

The Business Layer

- Purpose of the Business Layer
- Business Layer Screen
- How to Create a Business Layer
- Folders (Classes)
- Creating a Folder
- Folder Objects
- Defining Objects
- Object Types
- How Objects Generate SQL
- Object Properties
- Creating Objects
- @ Function

Error Checking / Using the Universe

- Checking the Universe

List of Values

- List of Values (LOV)
- Creating a List of Values
- Viewing a List of Values
- Applying a Condition to LOV
- Cascading List of Values

Universe Traps and Resolutions

- Dimension (Lookup) Table
- Fact Table
- Types of Join Paths that Return Incorrect Results
- Detecting and Solving Join Problems
- Loops
- Resolution of the Loop Issue
- Context
- Manually Create a Context
- Automatically Create a Context
- How a Context Resolves a Trap
- Chasm Trap
- Chasm Trap Example
- Resolving a Chasm Trap
- Fan Trap
- Resolving a Fan Trap

Security Options

- Security Options

Linking Universes Together

- Business Layer Views
- Requirements for Business Views
- Restrictions for Business Views
- Linked Universes – Master Approach
- Creating Business Layer Views

OLAP Data Sources

- OLAP Data Sources

UNV vs UNX

Terminology Maps