

BOLD10

Information Design Tool I

SAP BusinessObjects - Business Intelligence

Course Outline

Course Version: 96 Revision A

Course Duration: 3 Day(s)

Publication Date: 14-01-2013

Publication Time: 1530



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Course Overview

Target Audience

This course is intended for the following audiences:

- Data Managers
- Project managers
- Report Designers
- SAP BusinessObjects BI platform System Administrators
- SAP BusinessObjects BI Consultants

Course Prerequisites

Required Knowledge

- Working knowledge of SQL and relational, also OLAP database management systems concepts and structures
- Basic knowledge of in reporting with SAP BusinessObjects Web Intelligence
- Basic knowledge of the SAP NetWeaver Business Warehouse platform and BEx Query Designer

Course Goals

This course will prepare the participant to:

- Give you the comprehensive skills needed to work with the Information Design Tool. The Information Design Tool enables designers to extract, define, and manipulate meta data from relational and OLAP sources to create and deploy SAP BusinessObjects universes. In this course you learn how to use data from different source systems with the SAP BusinessObjects BI client tools.

Course Objectives

After completing this course, the participant will be able to:

- Create a meta data environment with the SAP BusinessObjects Information Design Tool.

Unit 1

Introduction to the Information Design Tool

Unit Overview

- What is the Information Design Tool?
- Introduction to resources and workflows

Lesson: What is the Information Design Tool?

Lesson Objectives

After completing this lesson, the participant will be able to:

- Describe the purpose of the Information Design Tool to identify who uses the Information Design Tool
- Differentiate between a .unx and .unv universe

Lesson: Introduction to Resources and Workflows

Lesson Objectives

After completing this lesson, the participant will be able to:

- Create a local project
- Differentiate between local and shared project
- Retrieve a published universe

Unit 2

Creating the Data Foundation

Unit Overview

- What is a connection?
- Creating a Data Foundation
- Defining joins

Lesson: What Is a Connection

Lesson Objectives

After completing this lesson, the participant will be able to:

- Describe the course database
- Create a connection to the database

Lesson: Creating a Data Foundation

Lesson Objectives

After completing this lesson, the participant will be able to:

- Describe the content of a Data Foundation
- Add tables to the Data Foundation
- Describe what a Data Foundation is
- Create joins in the Data Foundation

Lesson: Defining Joins

Lesson Objectives

After completing this lesson, the participant will be able to:

- Define Joins

Unit 3

Creating a Business Layer

Unit Overview

The role of the Business Layer is to present a business-focused front end to the SQL structures in the database. The data used in a universe schema depends greatly on the end-user requirements. It needs to provide an easy-to-use interface for end users to:

- Run queries against a database
- Create reports
- Perform data analysis

Lesson: Describing Folders And Objects

Lesson Objectives

After completing this lesson, the participant will be able to:

- Create Dimension and Attribute of Objects

Lesson: Creating Measure Objects

Lesson Objectives

After completing this lesson, the participant will be able to:

- Explain measure object concepts
- Create measure objects
- Create delegated measure objects

Unit 4

Resolving Loops in a Universe

Unit Overview

This lesson describes loops, a particular type of join issue that can arise as you create joins between tables in your schema. It explains how you can detect and resolve loops to ensure that the join paths taken by queries run on the universe return correct results.

Lesson: Understanding Loops

Lesson Objectives

After completing this lesson, the participant will be able to:

- Understanding Loops
- Resolving Loops using Aliases

Lesson: Resolving Loops Using Contexts

Lesson Objectives

After completing this lesson, the participant will be able to:

- Define a context
- Define a context manually
- Edit the context

Unit 5

Applying Restrictions

Unit Overview

This lesson helps you understand and use restrictions, which are conditions in SQL that set criteria to limit the data returned by a query.

Lesson: Defining Data Restrictions

Lesson Objectives

After completing this lesson, the participant will be able to:

- Restrict the data returned by objects
- Insert column filters

Unit 6

Using List of Values and Parameters

Unit Overview

This lesson explains how you can add, modify, or remove a list of values (LOV) for an object. It also introduces how to create a cascading list of values in the Business Layer and how to use Parameters in the Data Foundation and the Business Layer.

Lesson: Creating a List of Values

Lesson Objectives

After completing this lesson, the participant will be able to:

- Create a list of values
- Create a cascading LOV
- Understand the purpose of Parameters

Lesson: Understanding Parameters

Lesson Objectives

After completing this lesson, the participant will be able to:

- Create Parameters
- Define Parameters
- Use Parameter Properties

Unit 7

Using @functions with Objects

Unit Overview

This lesson helps you use the @functions to provide more flexible methods for specifying the SQL for an object.

Lesson: Understanding @functions

Lesson Objectives

After completing this lesson, the participant will be able to:

- Use @select function
- Use @where function
- Use @variable function

Unit 8

Using Navigation Paths

Unit Overview

The SAP BusinessObjects reporting tools, specifically Web Intelligence, have drilling capabilities to enable end users to analyze data at predefined levels of details. These predefined navigational paths are created in the business layer of the universe exclusively for this drilling functionality.

Lesson: NavigationPath

Lesson Objectives

After completing this lesson, the participant will be able to:

- Define a Navigation Path

Unit 9

Creating Derived Tables and Indexes

Unit Overview

Universes can make use of derived data exclusively for reporting purposes to minimize the need to alter the underlying database. They can also leverage primary and foreign keys that have been defined in the database to improve the efficiency of the querying process.

Lesson: Using Derived Tables

Lesson Objectives

After completing this lesson, the participant will be able to:

- Use derived tables
- Use merged tables

Lesson: Applying Key Awareness

Lesson Objectives

After completing this lesson, the participant will be able to:

- Understand the purpose of Key Awareness
- Setup Keys on Objects

Unit 10

Managing Universes

Unit Overview

This lesson describes how to publish and secure a universe so that business users can utilize it appropriately. It also discusses universe maintenance and dependencies.

Lesson: Deploying and Managing and Maintaining Universes

Lesson Objectives

After completing this lesson, the participant will be able to:

- Publish and secure a universe

Lesson: Maintaining a Universe

Lesson Objectives

After completing this lesson, the participant will be able to:

- [Enter a lesson objective or delete if not used.]
- [Enter a lesson objective or delete if not used.]