

# Course : SAP BusinessObjects

## 4, Designer

Practical course - 2d - 14h00 - Ref. BOU

Price : 1680 CHF E.T.

A business representation of one or more data sources, the universe is the heart of Business Objects, manipulated by end-users to produce their reports. In this course, you'll learn how to create, enrich and deploy universes on an SAP BusinessObjects 4 platform, and how to use the most useful features of the Designer module to deliver all the information needed by the users who consume the data.

### Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Getting to grips with the Designer interface
- ✓ Understand the steps involved in designing a universe
- ✓ Create a universe and set its parameters
- ✓ Create the central schema of the universe using tables and joins
- ✓ Create and organize universe objects in classes
- ✓ Enrich, optimize and deploy a universe

### Intended audience

IT specialists and users responsible for designing SAP BusinessObjects universes.

### Prerequisites

Good knowledge of relational database management and SQL language. Basic knowledge of SAP BusinessObjects 4 as a user.

### Course schedule

#### 1 Introduction to Designer

- What's new in SAP BusinessObjects version 4.
- Notions of Designer and Universe.
- Universe development procedure.
- Implementation methodology.

#### Exercise

Discover the SAP BusinessObjects environment.

### PARTICIPANTS

IT specialists and users responsible for designing SAP BusinessObjects universes.

### PREREQUISITES

Good knowledge of relational database management and SQL language. Basic knowledge of SAP BusinessObjects 4 as a user.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## 2 Basic operations

- Using Designer. Importing a universe.
- How it works. Opening a universe.
- Exporting a universe. Create a universe.
- Definition of universe parameters.
- Using Designer's user interface.

### Exercise

Getting to grips with the Designer module's user interface. First steps in creating a universe. Define universe parameters.

## 3 Creating a schema with tables and joins

- Definition of a schematic.
- Insert tables, define derived tables.
- Definition of joins and cardinalities.
- Checking the universe.

### Exercise

Define a schema. Working with tables, joins and cardinalities.

## 4 Solving join-related problems

- Problems related to joint paths.
- Alias definition. Object definition.
- Loop resolution.

### Exam

Identify joint path problems. Implement corrective solutions.

## 5 Universe creation

- Introduction to universe creation.
- Simple operations on classes and objects.
- Simple conditions on classes and universes.
- Definition of classes, objects and hierarchies.
- Value lists.

### Exercise

Create a universe in BO4. Create classes, objects, hierarchies and operations on classes.

## 6 Universe optimization

- Use of aggregated tables.
- Using @ functions.
- Use of analytical functions.

### Exercise

Manipulate the elements covered in the chapter to optimize your world.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) to review your request and its feasibility.

## 7 Universe management

- Universe deployment.
- Define access restrictions to a universe.

### Exercise

Deploy your SAP BusinessObjects universe.

## Dates and locations

### REMOTE CLASS

2026 : 30 Mar., 8 June, 17 Sep., 30 Nov.