

# SAP BusinessObjects Information Design Tool

Course code: BOID10

In this course you explore the fundamental principles and advanced options of SAP BusinessObjects universe design by creating both relational and OLAP universes. Course based on software release: SBOP BI Platform 4.3.

Affiliate	Duration	Course price	ITB
Praha	4	52 900 Kč	0
Brno	4	52 900 Kč	0

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
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The prices are without VAT.

### Who is the course for

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

### What we teach you

- This course is designed 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 metadata 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 (SAP and non-SAP) to design universes to be used with the SAP BusinessObjects BI client tools.

### Required skills

#### Essential

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

### Course outline

- Basic SAP BusinessObjects Universe Design
- Describing Universes
- Working with Local Projects
- Data Connections
- Data Foundations
- Creating Data Foundations
- Using Joins

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# SAP BusinessObjects Information Design Tool

- Business Layers
- Accessing Data through the Business Layer
- Integrating the Business Layer Components
- Validating Objects
- Creating Measure Objects
- Shared Projects
- Using Shared Projects
- Manipulating Other Designers' Resources
- Universe Deployment
- Loops in a Data Foundation
- Creating Loops on the Data Foundation
- Resolving Loops Using Aliases
- Resolving Recursive Loops
- Resolving Loops Using Contexts
- Data Restrictions
- Defining Data Restrictions
- Applying Mandatory Data Restrictions
- Applying Optional Data Restrictions
- Lists of Values
- Defining a List of Values
- Associating a List of Values to a Business Layer Object
- Parameters
- Navigation Paths
- SQL Traps
- Defining SQL Traps
- Identifying a Chasm Trap
- Resolving a Chasm Trap
- Identifying a Fan Trap
- Resolving a Fan Trap
- Object @ Functions
- Using @ Functions in SQL
- Using the @Aggregate\_Aware Function
- Using the @Select Function
- Using the @Where Function
- Using the @Execute Function
- Using the @Variable Function
- Extending the Data Foundation with Derived Tables and Calculated Columns
- Creating and Using Derived Tables
- Creating and Using Calculated Columns
- Universe Optimization
- Universe Management with Data Foundation and Business Layer Views
- Managing the Data Foundation Using Views
- Managing the Business Layer Using Views
- Universe Security
- Securing a Deployed Universe with Security Profiles
- Creating and Assigning Universe Security Profiles
- Identifying the Priority of Security Settings
- Updating a Deployed Universe

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# SAP BusinessObjects Information Design Tool

- Ambiguous Outer Join Resolution
- Universe Creation with Different Data Sources
- Identifying Different Data Sources
- Creating an OLAP Universe
- Creating a Universe from a BW Query
- Creating a Multisource Universe
- Creating and Using Federated Tables
- Linked Universes
- Defining and Creating a Linked Universe
- Special Considerations Concerning Linked Universes
- Managing Core Universes
- Prioritizing the Display of Tables Common to Multiple Core Data Foundations
- Universe Conversion
- Working with Sets
- Universe Translation
- Advanced Data Manipulation in the Business Layer

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