

BUSINESS OBJECTS 4.0

INTRODUCTION:

SAP Business Objects is SAP's object strategy is business-oriented. As part of an ongoing effort to bring business benefit to its customers, SAP provides an evolutionary introduction of object technology. **Business Objects** is part of SAP AG since 2007, specializing in Business Intelligence (BI) functionality that can empower users to make effective, informed decisions based on solid data and analysis. All users have access to the information they need with minimal dependence on IT resources and developers.

With these powerful solutions, users throughout your enterprise can access, format, analyze, navigate, and share information across the organization. After taking this course, participant will be able to efficiently and effectively manage the integration of SAP Business Objects business intelligence solutions with SAP ERP and design your own reports and analyses.

Using SAP Business object tools such as SAP Business Objects web intelligence (SAP Business Objects Web Intelligence) software and crystal reports software can extend business intelligence capabilities deeper into your organization and provide immediate data access .

In this course student will learn about the understanding of Business Objects universes, creating and building the universe structure, Resolving SQL Traps, Advanced Query & Reporting Techniques and to create formulas and variable etc.

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Course Contents

Day 1: Theory and Demo Class

Introduction to Business Objects Modules

Business Objects 4.0 Architecture

Introduction to CMC

Introduction to CMS

Creating Access Database

Creating Repository

Creating Data Source Name
Creating, Rename, Delete, Move Folders
Creating, Rename, Delete, Move Categories
Creating Groups
Creating Users
Discussing about different kinds of Users
Setting up the Security setting for Users
Importing and Exporting the Groups and Users
Moving, Deleting and Removing Users
Enabling and Disabling the resources and Users
Resetting the Password

Day 2: Theory and Demo Class for IDT (Information Design Tool)

Introduction to IDT
Creating Projects
Create a connection to a relational database
Create a data foundation based on a single source relational database
Create a business layer based on a single relational data source
Publish a new universe file based on a single data source
Retrieve a universe from a repository location
Publish a universe to a local folder
Retrieve a universe from a local folder
Open a local project
Delete a local project
Convert a repository universe from a UNV to a UNX
Convert a local universe from a UNV to a UNX
Creating Data Foundations

- On Relational Connections
- On OLAP Connections
- On SAP BW Connections

Creating Business Layers
Publishing Business Layers on CMS
Query Panel in Business Layer
Consistency Checks

Day 3: Introduction to Web Intelligence Reporting

Introduction to Business Objects (Reporter) Module (Part 1)

What's New in Web Intelligence

Introduction to Java Launch Pad

Launching Web Intelligence

Setting Web Intelligence Preferences

Navigate the Web Intelligence Interface

Creating Documents with Queries

- * Components of a Universe
- * Create a query using a universe as the data source
- * Create a Query on an OLAP Universe
- * Modify a document's query
- * Changing Data Sources
- * Work with query properties
- * Exploring the Query Panel toolbar
- * Exploring the Result Objects Pane
- * Exploring the Query Filters Pane
- * Viewing the Query Script
- * Create a query using a BEx query and an Analysis View

Restricting Data with Query Filters

- * Components of a Query Filter
- * Adding a Predefined Query Filter
- * Creating a Single-Value Query Filter

- * Creating a Prompted Query Filter
- * Setting Prompt Properties
- * Creating Complex Query Filters
- * Prioritizing Operators and Grouping Filters
- * Creating a Subquery

Day 4: Continuation to Web Intelligence Module (Part II)

- Designing Web Intelligence Documents
- Components of a Web Intelligence Document
- Customize Document Preferences
- Displaying Data in Tables
- Displaying Data in Charts
- Displaying Data in Free-Standing Cells
- Inserting Free-Standing Cells
- Organizing Document Data
 - * Grouping and Calculating Data
 - * Applying Breaks to Group Data
 - * Calculating Data
 - * Applying Sorts to Data
 - * Editing Break Properties
 - * Adding Sections to a Report
- Filtering Report Data
 - * Applying Report Filters
 - * Selecting a Report Filter
 - * Filtering Data with Input Controls
- Organizing Data
 - * Ranking Data to See Top or Bottom Values
 - * Folding and Unfolding Report Data
 - * Hiding and Unhiding Report Data
 - * Copying Data Blocks
 - * Highlighting Data
 - * Tracking Data Changes
 - * Highlighting Data with Formatting Rules
 - * Applying Multiple Conditions to Formatting Rules

Day 5: Continuation to Web Intelligence Module (Part III)

Formatting Documents

- * Viewing Reports in Different Modes
- * Modifying Report Properties
- * Formatting Tables, Cells, and Sections
- * Formatting Cross Tables

- * Formatting Charts

Calculating Data with Formulas and Variables

- * Creating Formulas and Variables
- * Adding Formulas to a Document
- * Creating Variables in a Document
- * Creating a Formula from a Prompt Response
- * Creating a Variable to Calculate Data
- * Creating a Variable Using Document Functions

Modifying Data with Character and Date String Functions

- * Using Character String Functions
- * Using Date Functions
- * Calculating Data with Conditional Logic
- * Grouping Data Values with the If() Function

Synchronizing Data from Multiple Data Providers

- * Working with Multiple Data Providers
- * Projecting Data from a Single Query in Multiple Blocks
- * Projecting Data from Multiple Queries Using a Single Universe
- * Projecting Data Using Multiple Universes

Synchronizing Data with Merged Dimensions

- * Merging Dimensions to Link Two Data Sources

Analyzing Data in Drill Mode

- * Setting General Drill Options
- * Setting the Scope of Analysis
- * Drilling in a Document
- * Drilling in a Data Hierarchy
- * Drilling in Charts

Demo of Rich Client & Webi intelligence with Features Highlighted

Day 6: Theory and Demo Class for Designer 3.0

Introduction to Designer Module (Part 1)

Creating Connections

Discussing about the different kinds of Connections
Inserting a Table
Joining the Tables
Creating the Classes
Creating simple Objects and complex objects with condition, filter, prompts
Discussing about different kinds of Objects
Detecting Cardinalities and loops
Removing and arranging Tables
Deleting and modifying Joins
Modifying Classes and Objects
Modifying the Parameters
Saving the Universe
Modifying LOV files
Solving loops
Creating Alias and Context
Creating Hierarchical Objects

Exporting and Importing the Universes
Saving Universe for all users
Migrating Universe

Day 7: Introduction to Performance Management

Introduction to BI

Data warehouse fundamentals
BW architecture

Overview of BODS, Xcelcius, Crystal reports and HANA

Foundation of BODS
Foundation of Xcelcius
Foundation of Crystal Reports
Foundation of HANA



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