



Innovations in Business Solutions

COURSE OUTLINE - SAP Business Objects with BI Tools

Program Business Objects (BO) with BI Tools

Introduction

SAP BusinessObjects business intelligence (BI) solutions provide comprehensive business intelligence functionality that can empower your users to make effective, informed decisions based on solid data and analysis.

All users, from the high-end analyst to the casual business user, 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.

SAP BusinessObjects BI solutions enable the following:

- Advanced analytics
- Dashboards and visualization
- Information infrastructure
- Query, reporting, and analysis
- Reporting
- Search and navigation

Course Contents

Information Design Tool(IDT) 4.1

- 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
 - * Overview of OLAP Connections
 - * Overview of SAP BW Connections
 - * Overview of a Query on an OLAP Universe
- Creating Business Layers
- Publishing Business Layers on CMS
- Query Panel in Business Layer
- Consistency Checks

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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
- * 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

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

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- * 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

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

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SAP Business Objects Dashboards 4.1

- * Xcelsius Dashboard Overview
- * Creating Dashboards using Query As A Web Service (QAAWS) and Live Office
- * Create Drill Down dashboard reports
- * What's new in SAP Business Objects Dashboards 4.1
- * Creating a Visualization
- * Producing interactive visualizations
- * Getting around in Xcelsius
- * Working with your Excel workbook
- * Visualizing data with charts
- * Using Xcelsius Components
- * Formatting a Visualization
- * Applying formatting options
- * Using themes and templates to apply formatting
- * Adding Interactivity to a Visualization
- * Using selectors
- * Adding dynamic visibility
- * Using live data sources
- * Connecting to BO Universes using Query as a Web Service
- * Using Live Office data
- * Creating Complex dashboards

SAP Lumira

- * Intro: SAP Lumira and its place in the analysis environment
 - o Part 1 – Data Import, Preparation, Manipulation
 - o Data import options
 - o Measures and dimensions
 - o Semantic enrichments
 - o Data manipulation using predefined tools and formulas
 - o Integrating data from multiple sources
- * Part 2 – Data Discovery and Visualization
 - o Which chart type to use when
 - o Navigating through data in a visual way using charts
 - o Advanced chart features for multidimensional data
 - o Creating your own data
- * Part 3 – Sharing options and next steps
 - o Data storytelling
 - o Sharing options
- * Lumira cloud

Analysis and Design Studio

- * Components and Data Sources for Analysis
 - o Using Analysis Components and Data Sources
- * Customization for Workbook Data Analysis
 - o Using the Basic Components of Analysis
 - o Sorting and Filtering Workbook Members
 - o Filtering Selected Workbook Members by Measure for Enhanced Analysis

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- Using Hierarchies for Data Analysis in Workbooks
- Using Inserted Components to Add Workbook Functionality
- Configuring Filter Components Using Formulas to Enhance the Workbook Layout
- Defining Conditional Formatting Options for Workbooks
- Using a Prompting Dialog in Workbook Queries
- Extending Workbook Display Options with Functions and Microsoft Excel VBA
- Using Styles to Customize Workbook Appearance
- Setting Preferences to Control Workbook Behavior
- Publishing Analysis Documents to the BI Platform Server
- * Presentation of Workbook Analysis Data
 - Presenting Analysis Data for Business Users
- * Understand the positioning of SAP Business Objects Design Studio
- * Understand the different deployment types and architecture
- * Learn how to design generic analytical applications
- * Learn how to use the different layout features to adapt the look and feel to your needs
- * Learn how to design "dashboard-like" applications
- * Learn how to use the embedded scripting environment to apply your business logic to an application and its components
- * Learn how to optimize applications for mobile consumption
- * Run a case study