

SAP Business Warehousing (SAP BW)

Day 1

Overview Of SAP BW

- Enterprise Resource Planning
- Data warehouse and Business Intelligence
- Online Analytical Processing
- SAP BW Features and Functionality
- Benefits of SAP BW

Modeling:

Day 2

- Architecture
- Data Model
- Multidimensional Model
- Star Schema
- Extended Star Schema

Day 3

- Fact table
- Key figure
- Dimensions and Characteristics
- Dimension
- Reserved dimensions
- Categorical dimensions
- Slowly changing dimensions
- Degenerate Dimensions
- Partitioning dimensions

Day 4

- Info cube
- Basic cube
- Multi cube
- Demo cube

- Remote cube
- ODS (Operational Data store)
- ODS Vs Info Cube

Day 5

- Source systems
- Data source
- Extract structure
- Application Component
- Transfer Structure
- Transfer rules
- Info source
- Communication Structure
- Update rule

Day 6

- Creating Info Objects: Characteristics
- Creating Info Objects: Key Figures
- Creating Data Store objects
- Creating Info Cubes
- Creating Info Sets
- Creating Multi Providers

Metadata and Document Management

- Installing BI Content

Day 7

Defining transformations

- Creating transformations

Defining data distribution:

- Using the data mart interface
- Creating open hub destinations

Defining the data flow:

- Creating data transfer processes

- Creating process chains

Day 8

Scheduling and monitoring:

- Checking process chain runs
- Monitor for extraction processes and data transfer processes

Performance optimization:

- Creating the first aggregate for an Info Cube
- Using the BIA index maintenance wizard

User management:

- Setting up standard authorizations
- Defining analysis authorizations

Extraction:

Day 9

- BW SAP OLTP Extraction
- Types of extraction
- Generic Data Source extraction

Enhancements for the Data Source
Master Data user Exit
Transactional Data user Exit

LIS Data Extraction
LO Data Extraction

Day 10

Extraction from CO-PA
Extraction from FI-SL
Enhancing Business contents
Special topics: Delta Management

Query Design:

BEX Query Designer

Day 11

- Queries: New queries, Restricting Characteristics, Formulas and Exception Cells
- Query Design: Defining Exceptions, Conditions, Restricted and Calculated Key Figures
- User Exits
- Variables: The Variable Wizard, Variable Types and Processing Types, query Properties
- Component Properties: Properties of Characteristics, Attributes, Structure, Formula, Key Figures
- Structures: Creating Re-usable structures
- Functions on BW Server: Copying queries between Cubes, Deleting Query Elements

Web Application Designer

Day 12

- WAD: Functions of WAD, Web Items Window, Template Window, Properties Window
- Web Applications: Creating Web Applications, Settings, Style sheets, Symbols and Properties
- Design: Designing the Layout of Web Templates, working with Library for Web Items
- Web Items: Tables, Filters, Checkboxes, Dropdown Box and other web items and their attributes

Activities

- BEX Analyzer
- BEX Web Application Designer
- BEX Report Designer

Day 13

BI Platform

- Information Broadcasting
- Functions of the Broadcaster: Pre-calculating and Exporting into Enterprise Portal
- User Guide: Distributing Queries and Web Templates, Scheduling Broadcasting Settings
- Example Scenarios: Monthly Sales Reports, Ad-hoc Distribution Options.

Day 14

OLAP

- OLAP v OLTP: The OLAP Concept and differences between OLAP and OLTP
- OLAP Functions: Aggregation, Currency Translation, Report-to-Report Interface
- Meta Data Repository: Searching for Meta Data