



Course Outline for SAP Business Warehouse (BW) Training

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Enterprise Data Warehousing

Introduction:

- General Introduction
- OLTP vs. OLAP
- SAP introduction
- Data warehousing/ BW/ BI Introduction
- BW Architecture
- Star Schema and Extended Star Schema
- ETL Concept

Source Systems:

- Flat File
- SAP
- UD Connect
- DB Connect
- Web Services

Data Flows:

- 3.x Data flow.
- 7.0 Data flow

Data Modeling:

- *InfoObjects:*
Types: Characteristics, Key Figures, Time and Unit
- *InfoObject as Master Data:*
Types: Hierarchy, Attribute, Text
- *InfoCubes:*
Types: Standards, real time, remote
Design of Infocube: Star Schema concepts.
- *DataStore Objects (DSO):*
Types: Standard, Write Optimized and Direct Update.
- *InfoSets*
- *MultiProviders:*
Scenario to create Multiproviders
- *Infocube VS DSO*
- *Infosources*
- *Datasources*

BI Content and Metadata Repository:

- BI Content:
Definitions, how to install BI contents
- Use of SAP BW Metadata Repository

ETL:

- Infopackage and its types.
- DTP - Data Transfer Processes
- Transformation
- Update Rules
- Transfer Structure
- Communication Structure
- Process Chains and Meta Chains
- Master Data Extraction
- Transactional Data Extraction.

Data Acquisition / Extraction:

- File Extraction.
- Logistics Extraction
- Generic Extraction
- Enhancing Standard Data Sources
- Delta Mechanism
- COPA Extraction

Open Hub Destination / Info Spoke:

- Open Hub Destination and its uses.
- Info spoke and its uses.

BW Administration and Performance Optimization:

- Aggregates
- Partitions, Compression
- Number Ranges, Query Cache, Dimensional Design Analysis
- BI Statistics

User Authorization:

- Setting up standard authorizations
- Defining analysis authorizations

Reporting / BEx Query Designer:

- Queries: New queries, Restricting Characteristics, Formulas and Exception Cells
- Query Design: Defining Exceptions, Conditions, Restricted and Calculated KeyFigures
- Variables: The Variable Wizard, Variable Types and Processing Types, query Properties
- Component Properties: Properties of Characteristics, Attributes, Structure, Formula, KeyFigures
- Structures: Creating Re-usable structures
- BW workbooks
- Report to Report Interface (RRI).