

SAP Business Warehouse Course

Prerequisites: *None*

Duration : *108 hours*

Cost : *IDR 7,000,000*

Introduction

SAP Business Warehouse Course Topics Covered

All parts of the course have lectures, system demonstrations on all topics, customizing settings and hands on exercises for participants. At the end of the training there would be 2 sets of examination for preparing the participants for SAP BW Certification. We are confident that with our inputs and the active and dedicated learning hours put in by the participants, the exam would be a formality. The questions are from actual SAP BW certification examinations conducted by SAP.

Part I: Basics of Business Warehousing

This part of the course gives a complete understanding of how SAP BW works, how data is brought into SAP BW from R 3 and Flat files and the organization of different components of SAP BW. It lays a firm foundation for anyone to start off on a SAP BW assignment and enforce their learning further on the job through largely self learning

Basics of Data warehousing and Multi-Dimensional Modeling

SAP SAP BW and its Components, Plug In For R/3

Setting Up The SAP R 3 and SAP BW Link -Customizing settings on SAP BW

- * SAP BW Business Content
- * Implementing Business Content in SAP BW-Customizing
- * Extracting Business Content Based Data From R 3
- * Data Source and Transfer Structures
- * Data Source Replication
- * Setting Up The Source Systems
- * Info Objects, types, standard and custom info objects
- * Master Data Info objects
- * Extracting Business Content Master Data from R 3
- * Flat File Extractors For Master Data
- * Creating Info sources for master data
- * Data sources, types and mapping the Data Source and Info source.
- * Creating Transfer Structures and communication Structures
- * Transfer rules for data transformation and options offered by SAP.
- * Info package Creation and Data Loading to PSA etc

Data Flow

- * Transaction Data and Data Targets ODS and Info cubes
- * Multi-Dimensional Modeling and Info cubes
- * Star Schema and Extended Star Schema
- * Designing the Cubes
- * Extractors For Flat File Transaction Data
- * Creating Info sources for Transaction Data
- * Data sources and mapping the Data Source and Info source.
- * Creating Transfer Structures
- * Transfer rules for data transformation and options offered by SAP

- * Info package Creation and Data Loading to PSA
- * Update Rules and Options for Data Loading in Data Targets
- * Data Loading into Data Targets
- * Business Content Extractors For R 3 Transaction Data
- * Creating Info sources for Transaction Data
- * Data sources and mapping the Data Source and Info source.
- * Creating Transfer Structures
- * Transfer rules for data transformation and options offered by SAP
- * Info package Creation and Data Loading to PSA

Part II: Data Extraction into Business Warehousing From SAP R 3 and Flat File Systems

This part of the course gives an in depth knowledge, understanding of how SAP BW extraction works, various ways and means of bringing in data SAP BW from R 3 and Flat files. This module transfers experience and knowledge of real time SAP BW experience which could take anyone at least six months to a year on-the-job experience to gather a similar level knowledge and gain expertise. This course makes a ready to deploy SAP BW Consultant out of participants in any major functional area of SAP R/3. It covers all functional areas from R 3 except for HR.

- * Delta Loading
- * Extraction from R/3
- * Delta Extraction
- * Logistics Extraction Using LIS Structures (SD, MM, PP etc.)
- * Logistics Extraction Using LO Cockpit (SD, MM, PP etc.)
- * FI Extraction
- * CO-PA Extraction
- * CO Extraction
- * SPL Extraction
- * R 3 Custom Tables Extraction
- * Data Loading Administration on SAP BW and Customizing
- * Sequencing of Data Load – Tips and Tricks
- * Extractor checking, Data Loading and Monitoring Tools
- * Performance Bottle Necks in R 3 and SAP BW, ways and means to improve performance
- * Info package Groups
- * Statistics on SAP BW
- * Data Compression
- * Indices and Partitioning
- * Enhancing Extractors
- * Sizing in SAP BW
- * Special Topic: CTS
- * Special Topic: ETL Tools and SAP BW
- * Special Topic: Remote Cubes
- * Special Topic: Using DB Connect For Data Loading in SAP BW
- * Special Topic: New Extraction Features in SAP BW 30B
- * Special Topic: Problems in upgrades and solutions

Part III. Reporting- The Purpose of SAP BW

This part of the course gives an overview knowledge, understanding of how reports are built, how query creation is dependent on ODS and Info cube Design, Queries on Multi-Cubes. This curriculum provides knowledge of real time SAP BW experience which would take anyone at least six months to gain the same expertise. This course makes a ready to deploy SAP BW Front End Development Consultant out of participants in any area of SAP R/3.

- * Reporting in SAP BW using Bex Analyzer, Bex Browser
- * Settings on Info objects, Data Targets for queries
- * Queries
- * Calculations and Formula Builder

- * Different Types Of Key Figures
- * Filters
- * Conditions
- * Variables
- * Creation Of Variables
- * Drilling Down
- * Settings For Queries
- * Multiple Queries
- * Workbooks
- * Workbook Templates
- * Formatting, Graphs and Charts in Queries
- * Geo-Coding
- * Complex Queries
- * Query Performance and Tools
- * Bex Browser
- * BDS - Business Document Store
- * Queries and Workbooks in Bex Browser
- * Third Party OLAP Tools and SAP BW
- * Special Topic: R 3 Reports Through SAP BW
- * Special Topics: Web reporting in ITS
- * Special Topic: SAP BW 30B and the new Web Query Builder

Material Management

Step-1 Basis

- * SAP R 3 Basis
- * Business Framework Architecture

Step-2 Co-operative Business Scenarios

- * Customer Relationship Management
- * Advanced Planner and Optimizer
- * Strategic Enterprise Management
- * Business to Business Procurement
- * Business Information Warehouse

Step-3 Basics of Procurement Process

- * Organizational Levels
- * Purchase Order Processing
- * Goods Receipt
- * Invoice Verification

Step-4 Master Data

- * Vendor Master Record
- * Material Master Record

Step-5 Procurement of Stock Material

- * Request for Quotation / Quotation Processing
- * Purchasing info Records
- * Purchase Order Processing
- * Goods Receipts into Quality Inspection

- * Invoices with Unplanned Delivery Costs

Step-6 Procurement of Consumable Material

- * Purchase Requisitions
- * Purchase Order Processing
- * Goods Receipt
- * Invoice Verification
- * Blanket Purchase Order

Step-7 Procurement of External Services

- * Master Data
- * Purchase Order
- * Maintaining and Releasing Service
- * Invoice Verification

Step-8 Procurement of External Services

- * Master Data
- * Purchase Order
- * Maintaining and Releasing Services Entry Sheets
- * Invoice Verification

Step-9 Reporting in SAP MM

- * Reporting at Document Level
- * Reporting with the Logistics Information System (LIS)

Step-10 The Basics of Material Planning

- * Planning Requirements
- * Overall Procedure
- * MRP Types

Step 11 Planning Run

- * Planning Types
- * Control Parameters in Planning

Step-12 Purchasing Details

- * Optimized Purchasing (Overview)
- * Sources of Supply (Overview)
- * Purchasing Info Record

Step-13 Outline Agreements

- * Contracts
- * Scheduling Agreements

Step-14 Basics of Procurement Process

- * Organizational Levels
- * Purchase Order Processing

- * Goods Receipt
- * Invoice Verification

Step-15 Source Determination

- * Source Lists
- * Quota Arrangements
- * Source Determination

Step-16 Procurement of Stock Material

- * Request for Quotation / Quotation Processing
- * Purchasing info Records
- * Purchase Order Processing
- * Goods Receipts into Quality Inspection
- * Invoices with Unplanned Delivery Costs

Step-17 Optimized Purchasing

- * Optimized Purchasing
- * User Parameters
- * Automated Procurement

Step-18 Goods Receipt

- * Special Features of Goods Receipt

Step-19 Reservations and Goods Issues

- * Reservations
- * Goods Issues

Step-20 Stock Transfer/Transfer Postings

- * Stock Transfer
- * Transfer Posting

Step-21 Consignment

- * Price Data for Consignment Material
- * Procurement of Consignment Material
- * Settlement of Consignment Liabilities

Step 22 Subcontracting

- * Purchase Order
- * Provision of Components
- * Goods Receipt and Consumption of Components
- * Postings
- * Scheduling Agreements with Subcontracting

Step-23 Valuation and Account Assignment

- * Configure Automatic Account Determination

Step-24 Material Price Changes

- * Changes to the current valuation price
- * Price Changes in the previous posting period or previous year
- * Debits and Credits to Materials
- * Postings to the previous period

Step-25 Special Inventory Management Features

- * Split Valuation
- * Non-Valuated Material
- * Returnable Transport Packaging

Step-26 Introduction to Invoice Verification

- * Invoice Verification as Part of Material Management
- * Invoice verification Tasks
- * Posting an Invoice
- * Account Movements
- * Price Control

Step-27 Basic Invoice Verification Procedure

- * Invoice Verification Procedure
- * Purchase-Order-Based Invoice Verification
- * Goods-Receipt-Based Invoice Verification
- * Basic Invoice Verification Functions

Step-28 Taxes, Cash Discounts, and Foreign Currency

- * Enter and Post Taxes
- * Enter and Post Cash Discounts
- * Invoices in a Foreign Currency

Step-29 Variances and Blocking Reasons

- * Types of Variances
- * Quantity Variances
- * Price Variance
- * Blocking due to Quality Inspection
- * Blocking due to Amount
- * Tolerances
- * Blocking invoices Manually
- * Stochastic Blocking

Step-30 Invoice Reduction

- * Automatic Invoice Reduction at item Level
- * Posting Logic with Invoice Reduction

Step-31 Variances Without References to an Item

- * Total-Based Invoice Reduction
- * Total-Based Acceptance
- * Vendor-Specific Tolerances

Step-32 Invoices for POs with Account Assignment

- * Enter invoices for POs with Account Assignment
- * Posting Logic for Invoices for POs with Account Assignment
- * Invoices Relating to a Blanket Purchase Order

Step 33 Delivery Costs

- * Planned Delivery Costs
- * Unplanned Delivery Costs
- * Posting Planned and Unplanned Delivery Costs

Step 34 Subsequent Debits/Credits

- * Enter and Post Subsequent Debits/Credits
- * Account Movements with Subsequent Debits/Credits

Step 35 Credit Memos and Reversals

- * Enter and Post Credit Memos
- * Reverse Invoices