

SAP BW on HANA Course Content

<p>Unit 1: Introduction</p> <ul style="list-style-type: none"> ❖ Evolution of HANA Landscape ❖ SAP HANA Basics ❖ SAP NetWeaver BW 7.4 <p>Unit 2: SAP HANA and Business Strategy</p> <ul style="list-style-type: none"> ❖ Identifying Transformational Opportunities ❖ Understanding Your Needs, Enterprise Needs, Data Needs ❖ Working with Existing Solutions: SAP HANA versus SAP NetWeaver BWA ❖ Does SAP HANA Replace BWA? ❖ Pros and Cons of BWA ❖ Pros and Cons of SAP HANA <p>Unit 3: HANA-optimized DataStore Object and InfoCube</p> <ul style="list-style-type: none"> ❖ HANA-Optimized DataStore Object ❖ HANA-Optimized InfoCube ❖ Semantically Partitioned Object <p>Unit 4: SAP HANA modeling</p> <ul style="list-style-type: none"> ❖ Purpose of Information Modeler ❖ Levels of Modeling in SAP HANA ❖ Attribute Views ❖ Analytic Views ❖ Calculation Views ❖ Export & Import <p>Unit 5: MODELING of SAP BW 7.4 with SAP HANA</p> <ul style="list-style-type: none"> ❖ Models in SAP BW 7.4 ❖ Data Extraction and Data Flow within SAP BW 7.4 NW 2004S ❖ New Data source Concept of BW 7.4 ❖ Transformation in BW 7.4(ETL) ❖ DTP (Data Transfer Process) ❖ FROM 3.X TO BW 7.4 ❖ Business Content UPGRADING DATAFLOWS ❖ Administration of InfoCubes and Aggregates ❖ DSO (DATA STORE OBJECTS) ❖ Virtual Cubes and Multi Providers 	<p>Unit 6: Consuming HANA Models in BW</p> <ul style="list-style-type: none"> ❖ Virtual Provider ❖ Transient Provider ❖ Composite Provider ❖ DB Connect ❖ Importing SAP BW models in SAP HANA ❖ Importing HANA optimize infocubes ❖ Importing HANA optimize DSO <p>Unit 7: DATA EXTRACTIONS (ETL)</p> <ul style="list-style-type: none"> ❖ ECC Extractions Using BI BW 7.4 Dataflow ❖ Overview of ECC6.0 Extractions. ❖ Generic Extractions ❖ Business Content Extractions ❖ CO-PA Extractions (COST PROFITABLE ANALYSIS) ❖ LO-COCK PIT Extractions (LOGISTICS) <p>Unit 8: REPORTING</p> <ul style="list-style-type: none"> ❖ Introduction to BI Enterprise Reporting ❖ Navigating in Reports ❖ First Steps in Query Designer ❖ Key Figures ❖ CHARACTERSTICS ❖ Attributes ❖ Exceptions and Conditions <p>Unit 09: Transporting Objects (CTO)</p> <p>NEW ENHANCEMENTS OF SAP BW 7.3, 7.4</p> <p>UNIT 1: Hybrid provider</p> <p>UNIT 2: Generic delta functionalities for further types of Data Sources</p> <p>UNIT 3: Hierarchies</p> <p>UNIT 4: Data Transfer Process (DTP)</p> <p>UNIT 5: Open Hub Service</p> <p>UNIT 6: Transformation</p> <p>UNIT 7: SAP BODS (New ETL Tool of SAP) Integration</p>
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Topics Covered

MODELING

Unit 1: The Multi-dimensional Model in SAP BW

- ❖ The SAP BW Star Schema Concept
- ❖ Data warehousing Workbench (DWB)
- ❖ Info Objects
- ❖ Info Cubes

Unit 2: Data Extraction and Data Flow within SAP BW 7.4 NW 2004S

- ❖ 3.x Dataflow
- ❖ Overview of BW 7.4 Dataflow
- ❖ Comparison of 3.x and BW 7.34 Data flows
- ❖ Loading Master Data (Attributes, Texts, Hierarchies)
- ❖ Loading Transaction Data

Unit 3: New Data source Concept of BW 7.4

- ❖ Overview of new Datasource
- ❖ Emulation of Data source in BW 7.4
- ❖ Datasource Lifecycle with In BW 7.4 NW 2004S
- ❖ Migration of 3.x data source to BW 7.4 data source

Unit 4: Transformation in BW 7.4(ETL)

- ❖ Transformation

Unit 5: DTP (Data Transfer Process)

- ❖ Overview of DTPS
- ❖ Trouble shooting techniques in DTPS
- ❖ Debugging ABAP routines Using DTPS

Unit 6: UPGRADING DATAFLOWS FROM 3.X TO BW 7.4

Unit 7: Business Content

- ❖ Business Content (BCT)

Unit 8: Administration of InfoCubes and Aggregates

- ❖ Managing Basic Cubes
- ❖ Aggregates

Unit 9: DSO (DATA STORE OBJECTS)

- ❖ Data Store Objects concept

Unit 10: Virtual Cubes and Multi Providers

- ❖ Virtual Cubes
- ❖ Multi Providers
- ❖ DATA EXTRACTIONS (ETL)
- ❖ ECC extractions using BW 7.4 Data flows

Unit 1: Overview of ECC6.0 Extractions

- ❖ Types of ECC extractions

Unit 2: Generic Extractions.

- ❖ Generic Extraction using Database Table
- ❖ View
- ❖ Classical Info sets.
- ❖ Functional Module.

Unit 3: Business Content Extractions

- ❖ Overview of Business Content Extractions.
- ❖ Examples from Financial, Logistics, HRMS modules.

Unit 4: CO-PA Extractions (COST PROFITABLE ANALYSIS)

Unit 5: LO-COCK PIT Extractions (LOGISTICS)

Unit 7: Delta Management

Unit 8: Extracting Master Data from CC (Attributes, Text, Hierarchies)

Unit 9: Datasource Enhancement

Unit 10: Process Chains in Detail covering all process Types

- ❖ Real time examples on process Chains (Meta Chains)
- ❖ REPORTING

Unit 1: Introduction to BI Enterprise Reporting.

- ❖ The SAP BI Overview

Unit 2: Navigating in Reports

Unit 3: First Steps in Query Designer

- ❖ Query Designer
- ❖ Info providers in query Designer

Unit 4: Key Figures

- ❖ Restricted Key Figures
- ❖ Calculated Key Figures
- ❖ Properties of Key Figures

Unit 5: CHARACTERSTICS

- ❖ Properties and Attributes of Characteristics
- ❖ Integrating attributes and hierarchies in reports.

Unit 6: Exceptions and Conditions.

- ❖ Exceptions
- ❖ Conditions

Unit 7: Bex Analyzer

Unit 8: Transporting Objects (CTO)

- ❖ NEW ENHANCEMENTS OF SAP BW 7.4

UNIT 1: Hybrid provider

UNIT 2: New monitors in BW Administration cockpit

UNIT 3: Generic delta functionalities for further types of Data Sources

UNIT 4: Hierarchies

- ❖ Integration of hierarchies into process flow (DTP, Transformation)
- ❖ Remote hierarchies for direct access to hierarchies in the source system
- ❖ Loading hierarchies from flat file using the new Data Source and Transformation technology

UNIT 5: Data Transfer Process (DTP)

- ❖ Data Transfer Process supports data extraction from Multi Providers
- ❖ Option to only load the last request from a given source (available for full load DTPs)
- ❖ Data Transfer Process supports referential integrity checks for navigational attributes of the target
- ❖ Enhanced load performance by possibility to Re-package small data packages within a request to bigger packages

UNIT 6: Open Hub Service

- ❖ SAP Net Weaver BW data can be exported in XML format
- ❖ Possibility to change the format and length of BW data for export even into a non-SAP specific format
- ❖ Hierarchy extraction supported by Open Hub

UNIT 7: SAP BODS (New ETL Tool of SAP) Integration