

Data Warehousing with SAP BW/4HANA - Delta from SAP BW 7.5 classic to SAP BW/4HANA

OEM: SAP • Code: DBW462



COURSE DESCRIPTION

This course enables experienced SAP BW users, developers as well as administrators to run and work with SAP BW/4HANA. The emphasis is on how to migrate an existing SAP BW architecture and leverage new data models and functions provided by SAP BW/4HANA in comparison to SAP BW 7.x

AUDIENCE PROFILE

- Application experts and consultants with a sound experience in SAP BW (non-HANA)
- Project team members implementing and maintaining SAP BW/4HANA

PREREQUISITES

Essential

- Several years of hands-on experience in data modeling with SAP BW 7.x
- BW310 (SAP BW Enterprise Data Warehousing)

Recommended

- BW330 (SAP BW Data Modeling and Implementation)
- HA100 (SAP HANA Introduction)

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Outlining advantages of the SAP "In-Memory" database foundation for SAP BW/4HANA in general.
- Introducing new user interfaces for working with SAP BW/4HANA: SAP BW/4HANA Cockpit and SAP BW/4HANA Modeling Tools.
- Outlining the SAP BW/4HANA conversion approaches and the related tools for a transformation project.
- Introducing native SAP HANA XS Advanced modeling in the SAP Web IDE for SAP HANA.
- Explaining the data models in SAP BW/4HANA and position them in the context of SAP's reference architecture Layered Scalable Architecture (LSA++).
- Describing so-called "mixed scenarios" where how both, SAP HANA Calculation Views as well as SAP BW/4HANA objects can complement each other.

- Outlining other areas of innovation with focus on Business Content, Process Chains, Analysis Processes or Transformations.
- Describing Multi-Temperature Data Lifecycle Management concepts and its implementation in SAP BW/4HANA.
- Providing an overview of all source system interfaces and data provisioning methods for consuming data in SAP BW/4HANA.
- Introducing SAP Core Data Services and related use cases in the context of SAP BW/4HANA: Extraction from SAP S/4HANA including available SAP Content, Statistical Analysis of the Data Warehouse Infrastructure and SAP S/4HANA Embedded Analytics.
- Describing the impact SAP S/4HANA might have on your SAP BW strategy.

COURSE OUTLINE

Module 1: Getting started

- Training Environment
- SAP Data Warehousing
- SAP BW/4HANA
- SAP BW/4HANA Modeling Tools
- SAP BW/4HANA Cockpit

Module 2: Paths to SAP BW/4HANA

- Conversion Strategies and Tools
- Conversion Approaches

Module 3: SAP HANA Modeling

- SAP HANA Introduction
- SAP Web IDE for SAP HANA
- SAP HANA native Modeling of Calculation Views
- Differences of HANA Modeling XS classic vs. XS advanced

Module 4: Core Modeling Artifacts in SAP BW/4HANA

- InfoObjects
- Advanced DataStore objects
- CompositeProviders
- Open Hub Destinations
- Open ODS Views
- BAdI-Providers
- Positioning of these Artifacts in the SAP Layered Scalable Architecture (LSA++)

Module 5: Hybrid Modeling in Mixed Scenarios

- Generation of external SAP HANA Views for BW/4HANA objects
- Integration of external SAP HANA Views into XSA modeling

- Typical use cases for Mixed Scenarios

Module 6: Innovations for Selected SAP BW/4HANA Areas

- SAP BW/4HANA Content Add-on
- SAP HANA Analysis Processes
- Analytic Manager (OLAP engine)
- SAP HANA-optimized Transformations
- Process Chains
- Authorizations
- Data Protection Workbench (optional)

Module 7: SAP BW/4HANA Data Lifecycle Management

- Multi-Temperature Data Management
- SAP BW/4HANA Data Tiering Optimization (DTO)

Module 8: Data Provisioning into SAP HANA and SAP BW/4HANA

- SAP HANA Smart Data Access
- SAP HANA Smart Data Integration incl. real-time Streaming
- Operational Data Provisioning (ODP)
- Integration Options with Cloud Sources
- SAP LT Replication into SAP HANA (optional)

Module 9: SAP BW/4HANA and ABAP Core Data Services

- Overview of SAP ABAP Core Data Services
- SAP BW/4HANA Statistical Analysis
- SAP S/4HANA Extraction based on CDS Views
- SAP S/4HANA Standard CDS Extractors
- SAP S/4HANA Embedded Analytics

Module 10: Relation of SAP S/4HANA to SAP BW

- Impact of SAP S/4HANA on your SAP BW strategy

Module 11: Appendix (optional)

- SAP BW Workspaces
- SAP BW/4HANA Transaction Codes
- Glossary of Terms