

BW430: SAP BW/4HANA Modeling

Course Outline

Course announcements

This course is designed for users with some experience in BW/4HANA or for users who have visited BW410 who know the BW/4HANA terms and basic data warehousing tasks. They learn to design a LSA++ layered architecture model and BW/4HANA object models. Focus topics are master data (especially hierarchies), open ODS views, Composite Providers, staging scenarios with Info Source, currency and unit conversion, Hybrid models with Calculation views, BW Workspaces.

Course Duration

5 Days

Delivery Format

Classroom, Virtual Live Classroom, Hybrid

Course Fee

Please contact us for details

Goals

This course will prepare you to:

- Outlining advantages of the new SAP "In-Memory" database foundation for SAP BW in general.
- Understanding modeling requirements.
- Best Practices guidelines such as separating master data and transactional data, LSA++ for SAP BW/4HANA, partitioning.
- Describing steps in designing an architecture overview and a detailed data model.
- Comparing BI Content with requirements
- Explaining field-based modeling.
- Creating hierarchies with BW/4HANA Info Objects or native SAP HANA calculation views
- Master data reporting using hierarchies

- Harmonizing transactional data from two different sources
- Currency Conversion in BW/4HANA transformations or in native SAP HANA calculation views
- Generating external HANA views, and designing "mixed scenarios".
- Implementing HANA Analysis Processes.
- Designing Inventory Management
- Designing Stock coverage scenarios

Audience

- Solution Architect
- System Architect
- Technology Consultant

Prerequisites

Essential

- Hands-on experience in data warehousing with SAP BW/4HANA
- BW410 (SAP BW Enterprise Data Warehousing with SAP BW/4HANA)

Recommended

- HA100 (SAP HANA Introduction)

Content

- Introduction to Data Modelling, Challenges, Conflicts
- Overview about the Business Case (Case Study)
- Comparing Modeling approaches
 - SAP HANA modeling
 - SAP BW/4HANA modelling
 - Mixed strategies
- Best Practice Standards in BW/4HANA Modeling
 - Understanding Object Changeability
 - Separating Master Data and Transactional Data
 - Using Time-Dependent Master Data, Tracking History
 - Harmonizing Data

- Designing a BW/4HANA Layered Scalable Architecture (LSA++)
- Understanding Physical and Logical Partitioning
- Process of Modeling
 - Defining the Sequence and Phases of SAP BW Projects
 - Developing an SAP BW/4HANA Data Model
- SAP BW/4HANA Content Add-On
 - Working with SAP Business Content
 - Introducing ABAP CDS Views provided by SAP BW/4HANA
- Implementing SAP BW/4HANA Field-Based Models
 - Implementing Field-Based Modeling with Open ODS Views
 - Understanding Snapshot and Corporate Memory Models
- Implementing Models in SAP BW/4HANA
 - Modeling and Implementing SAP BW/4HANA Master Data
 - Modeling and Implementing Advanced DataStore Objects (ADSOs)
 - Modeling and Implementing InfoSources and Transformations
 - Modeling and Implementing Composite Providers
- Implementing Native SAP HANA Views
 - Modeling Master Data in SAP HANA Views
 - Modeling Transactional Data in SAP HANA Views
- Implementing Agile Data Marts
 - Generating External SAP HANA Views for SAP BW/4HANA Objects
 - Implementing Mixed Scenarios
- Additional Modeling aspects in SAP BW/4HANA
 - Introducing the HANA Analysis Process (HAP)
 - Defining Inventory Scenarios
- Defining Stock Coverage Scenarios