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

Course code: DBW462

This course enables experienced SAP BW users, developers as well as administrators to run and work with SAP BW/4HANA. The emphasis 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. Course based on software release: SAP BW/4HANA 2021 SP01,SAP HANA 2.0 SPS05,SAP S/4HANA 2021 FP01,SAP HANA Studio 2.3.59,SAP BW Modeling Tools 1.24,SAP Web IDE for SAP HANA 2.0 SPS05,SAP Analysis for Microsoft Excel 2.8.

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

What we teach you
This course will prepare you 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
- SAPBW/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.
- 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 focuson Business Content, Process Chains, Analysis Processes or Transformations.
- Describing Multi-Temperature Data 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.

Required skills
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 outline
- Getting started
- Training Environment
- SAP Data Warehousing
- SAP BW/4HANA
- SAP BW/4HANA Modeling Tools
- SAP BW/4HANA Cockpit
- Paths to SAP BW/4HANA
- Conversion Strategies and Tools

- In-Place Conversion, Shell Conversion and Remote Conversion Approaches
- 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
- 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++)
- 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
- Innovations for selected SAP BW/4HANA Modeling Areas
- SAP BW/4HANA Content Add-on
- SAP HANA Analysis Processes
- Analytic Manager (OLAP engine)
- SAP HANA-optimized Transformations
- Process Chains
- Authorizations
- SAP BW/4HANA Data Lifecycle Management
- Multi-Temperature Data Management
- SAP BW/4HANA Data Tiering Optimization
- Data Provisioning into SAP HANA and SAP BW/4HANA
- SAP LT Replication into SAP HANA
- SAP HANA Smart Data Access
- SAP HANA Smart Data Integration incl. real-time Streaming
- Operational Data Provisioning based on SAP Extractors, and BW InfoProviders
- Integration Options with Cloud Sources
- SAP BW/4HANA and ABAP Core Data Services
- Overview of SAP Core Data Services
- SAP BW/4HANA Statistical Analysis
- SAP S/4HANA Extraction based on ABAP CDS Views
- CDS-based DataSources in SAP S/4HANA and related content in SAP BW/4HANA
- SAP S/4HANA Embedded Analytics
- Relation of SAP S/4HANA to SAP BW
- Impact of SAP S/4HANA on your SAP BW strategy
- Appendix (optional)
- SAP BW Workspaces
- SAP Analytics Cloud
- SAP BW/4HANA Tool Collection
- SAP BW/4HANA Transaction Codes
- SAP BW/4HANA Support Components

- Glossary of Terms

What you need to know

- This course provides you a very sound foundation of SAP BW/4HANA and contains many references to additional documents and information sources.
- This course has a very strong focus on hands-on experience based on 30 exercises
- The intended audience for this training are experts which have several years of experience in developing and maintaining applications with SAP BW 7.x (classic).

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