SAP BW/4HANA Data Acquisition

Course code: BW450

This course enables SAP BW/4HANA customers and consultants to provision (load, replicate) data into SAP BW/4HANA. It highlights the simplified data flow of BW/4HANA, and data provision techniques targeting the underlying SAP HANA database directly. The emphasis is on learning and practicing various technologies in support of data acquisition including Operational Data Provisioning, Smart Data Integration and CDS views. Special topics are changing a hierarchy via upload, enhanced master data upload, creating a Process Chain from a BW DataFlow, and error handling. In addition, a brief excursion to SAP Data Hub is also covered. Course based on software release: SAP BW/4HANA 2021SAP HANA 2.0 SPS05, SAP S/4HANA 2020 FP01, SAP BW/4HANA Modeling Tools 1.23, SAP Web IDE for SAP HANA 2.0 SPS05, SAP Analysis for Microsoft Excel 2.8.

Who is the course for

- Developer
- Solution Architect
- System Administrator
- Technology Consultant
- Trainer

What we teach you

This course will prepare you to:

- Learn how to extract data from SAP source systems and another BW with Operational Data Provisioning (ODP) and how to manage delta data with ODP
- Acquire data using different interfaces such as: SDI - Smart Data Integration, SDA - Smart Data Access, Flat File and CDS views
- Design and maintain Data Flows with advanced techniques
- Learn about advanced features of Streaming Process Chains
- Integrate data from SAP HANA via BW Source Systems to BW/4HANA
- Being able to position related provisioning technologies under the SAP Data Hub umbrella, including SAP Vora

Required skills

Essential

- BW410-SAP BW/4HANA Data Warehousing

Recommended

- Hands-on experience with any version of SAP BW
- BW430 (SAP BW/4HANA Modeling)
- HA100 (SAP HANA Introduction)
- HA300 (SAP HANA Implementation and Data Modeling)
- HA550 (SAP HANA Data Provisioning)

Course outline

- SAP BW/4HANA Strategy and Overview
- Data Acquisition into SAP BW/4HANA with Operational Data Provisioning (ODP_SAP)
- Operational Data Provisioning Delta Management (ODP_SAP)
- SAP BW/4HANA Data Extraction from SAP S/4HANA (ODP_CDS)
- Other Types of Operational Data Provisioning in SAP BW/4HANA (ODP_SLT, ODP_BW, ODP_HANA)
- Data Acquisition into SAP HANA and the HANA_LOCAL source system
- Data Acquisition into BW/4HANA with the HANA_SDA source system
- Manage and Optimize Data Flow Components in SAP BW/4HANA
- Big Data Acquisition to SAP BW/4HANA and SAP Data Hub

What you need to know

- This course provides you a very sound foundation of newer and existing BW data acquisition concepts and contains many references to additional documents and information sources.
- This course now uses an S/4HANA source system and the HANA 2.0 database release, including the Web IDE for SAP HANA XSA calculation views.
- This course has a very strong focus on hands-on experience.