SAP BW/4HANA Data Warehousing

Course code: BW410

The course introduces SAP BW/4HANA and supports the development of foundation knowledge. InfoProviders such as DSO (advanced), Open ODS Views and CompositeProviders are explained and created. Data Extraction and Provisioning is executed with Operational Data Provisioning Framework (ODP). Native HANA data models are created and combined with BW/4HANA data models. Course based on software release: SAP BW/4HANA 2021 SP01, SAP HANA 2.0 SPS05, SAP S/4HANA 2021 FP02, SAP HANA Studio 2.3.62, SAP BW/4HANA Modeling Tools 1.24.17, SAP Web IDE for HANA 2 SPS 05 Patch 4 (Build 4.5.18), SAP Analysis for MS Office: 2.8.1100.97454, SAP BW/4HANA 2021 SP01, SAP HANA 2.0 SPS05, SAP S/4HANA 2021 FP02, SAP HANA Studio 2.3.62,SAP BW/4HANA Modeling Tools 1.24.17, SAP Web IDE for HANA 2 SPS 05 Patch 4 (Build 4.5.18), SAP Analysis for MS Office: 2.8.1100.97454.

Who is the course for

- Application Consultant
- Data Consultant/Manager
- Database Administrator
- Developer
- Enterprise Architect
- Solution Architect
- System Architect
- Technology Consultant

What we teach you

This course will prepare you to:

- Understand the architecture and fundamentals of SAP BW/4HANA
- Create and maintain InfoObjects, Advanced DataStore Objects, CompositeProviders, and ODS Views
- Perform master and transaction data load into SAP BW/4HANA
- Understand SAP HANA native models and how to combine them with BW/4HANA models

Required skills

None

Course outline

- Introduction to positioning and key concepts of SAP BW/4HANA
- Introduction to BW Modeling Tools, Data Warehousing Workbench and SAP BW/4HANA Cockpit
- Model InfoObjects: Characteristics and Key Figures
- Generic DataSources
- Transformation and Data Transfer Process
- Master Data Loading from SAP source system with Operational Data Provisioning (Attributes, Texts, Hierarchy)
- Model DataStore Objects (advanced)
- Transaction Data Loading from SAP source system with Operational Data Provisioning and from Flat File
- Model CompositeProviders
- Model Open ODS Views
- Administrate Master Data and DataStore Objects (advanced)
- Use Process Chains
- SAP HANA Delta Merge
- Integrate SAP HANA Native Models with SAP BW/4HANA

What you need to know

- BW410 is strongly recommended before taking the advanced courses BW430, BW450, BW465
- Knowledge gained in BW410 will support your understanding of the topics covered in BW405

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