

BW350H: SAP BW powered by SAP HANA- Data Acquisition

Course Outline

Course announcements

You will learn how to design and maintain your own data flow components including Process Chains. You will work with data flows for attributes, text, hierarchies, and transaction data. You will learn how to position the various interface options. You will work with the Service API as well as the ODP to extract data from ECC for example. You will learn how the delta mechanism works for the Service API, ODP, and other interfaces. You will learn about Smart Data Integration and Smart Data Access. You will perform flat file imports and how to extract with Data Services. You will learn how to perform debug with the Data Transfer Process (DTP) as well as how to use the DTP Full vs. Delta settings. You will learn how to do transports for all BW objects.

Course Duration

5 Days

Delivery Format

Classroom, Virtual Classroom, Hybrid

Course Fee

Please contact us for details

Goals

- Learn how to extract data from SAP source systems with the SAP API (Application Programming Interface) and how to manage delta data
- Acquire data from using different interfaces such as: SDI - Smart Data Integration, SDA - Smart Data Access, ODP -Operational Data Provisioning, Flat File, DB Connect, XML, and Data Services

- Design and maintain process chains and perform transports * Distribute data via Data Marts and Open Hub

Audience

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

Prerequisites

Essential

Sound knowledge of the content that is covered in BW310H - Data Warehousing course, especially working with the Data Warehousing Workbench

Recommended

Knowledge of the Data Dictionary and at least one SAP Component

Content

- SAP BW and HANA Data Acquisition
 - Introducing BW and HANA
 - Explaining Data Acquisition in SAP BW
 - Explaining SAP HANA Optimized Data Staging
 - Comparing & Migrating 3.x to 7.x Data Flow Components
 - Introducing Data Replication to HANA using SLT, SDI, and SDA
- Data Acquisition with the SAP BW Service API
 - Connecting SAP Source Systems to SAP BW
 - Displaying the Configuration of the SAP BW Service API
 - Modeling Generic DataSources
 - Explaining Business Intelligence (BI) Off The Shelf Content
 - Loading hierarchies from ECC

- Examining the Transfer of GL Data
- Adapting BI Content DataSources
- Implementing Process Chains
- Delta Data Flow Management
 - Describing Delta Management
 - Explaining Terms and Basic Processes of Delta Enabled DataSources
 - Configuring the Logistics Data Extraction (LO Cockpit)
 - Configuring Generic Delta DataSources
 - Learning Data Transfer Process (DTP) Settings
- Data Acquisition with ODP and SLT
 - Describing Data Acquisition with Operational Data Provisioning (ODP)
 - Analyzing Operational Delta Queue (ODQ)
 - Replicating Data with SAP Landscape Transformation (SLT)
 - Learning the Details of Real Time Data Acquisition (RDA)
 - Extracting to BW via ODP-SLT
- Flat File Data Transfer
 - Accessing Data from a Flat File
 - Loading Flat File Hierarchies
 - Using Workspaces for Local Flat File load
- Additional Data Acquisition Techniques
 - Positioning DB Connect
 - Positioning Universal Data (UD) Integration
 - Explaining XML-Based Extraction
 - Acquiring Data Using an XML Based Web Service
 - Integrating SAP Data Services and SAP BW
 - Positioning HANA SDI capabilities for BW
- Data Mart Interface and OpenHub
 - Positioning the Data Mart Interface
- Implementing OpenHub Destinations
- Exporting a Hierarchy with OpenHub
- Exporting from a BW InfoProvider to a Native HANA Table
- Overview of BW Transports
 - Describing the BW Transport System Landscape
 - Determining Object Versions and Metadata
 - Managing BW Transports
 - Troubleshooting Transport Strategies