# BW410 - SAP BW/4HANA Data Warehousing Training

Duration: **5 Day**

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The **SAP BW/4HANA Data Warehousing Training** course introduces participants to the fundamental architecture of **SAP BW/4HANA**, data modeling processes, and essential concepts of data warehouse administration.

The training covers the creation and use of **InfoProviders**, including **DataStore Objects (advanced)**, **Open ODS Views**, and **CompositeProviders**. Participants learn the basic procedures involved in building and maintaining data models within SAP BW/4HANA.

The course also explores **data extraction and provisioning** using the **Operational Data Provisioning (ODP)** framework, along with data loading from **Flat Files**. In addition, participants perform fundamental **administrative and operational activities** related to SAP BW/4HANA environments.

**Additional Course Information**

Completing **BW410 – SAP BW/4HANA Data Warehousing** is strongly recommended before attending the following advanced courses:

- **BW430 – SAP BW/4HANA Data Modeling**
- **BW450 – SAP BW/4HANA Data Acquisition**
- **BW465 – SAP BW/4HANA Authorizations**

The knowledge acquired in **BW410** also provides a useful foundation for understanding the topics covered in **BW405 – SAP BW/4HANA Query Design and Analysis**.

## Prerequisites

### Essential Prerequisites

There are **no mandatory prerequisites** for attending this course.

### Recommended Prerequisites

**No additional recommended prerequisites are specified.**

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## Who Should Attend

This training is intended for professionals involved in**SAP BW/4HANA data warehousing**, data modeling, and data management, including:

- **Application Consultants**
- **Data Consultants and Data Managers**
- **Database Administrators**
- **Developers**
- **Enterprise Architects**
- **Solution Architects**
- **System Architects**
- **Technology Consultants**

## What You Will Learn

By the end of this training, participants will be able to:

- Understand the **architecture and fundamental concepts of SAP BW/4HANA**
- Create and maintain **InfoObjects**, **DataStore Objects (advanced)**, **CompositeProviders**, and **Open ODS Views**
- Load **master data** and **transactional data** into SAP BW/4HANA

## Training Outline

### 1. Introduction to SAP BW/4HANA

- **Positioning of SAP BW/4HANA** and its key concepts

### 2. SAP BW/4HANA Tools

- **BW Modeling Tools**
- **Data Warehousing Workbench**
- **SAP BW/4HANA Cockpit**

### 3. InfoObjects Modeling

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- **Characteristics**
- **Key Figures**

### 4. Data Sources

- **Generic DataSources**

### 5. Data Transformation and Transfer

- **Transformation**
- **Data Transfer Process (DTP)**

### 6. Master Data Loading

- Loading master data from SAP source systems using**Operational Data Provisioning (ODP)**
- Working with **Attributes** and **Texts**

### 7. DataStore Objects Modeling

- Modeling **DataStore Objects (advanced)**

### 8. Transactional Data Loading

- Loading transactional data from SAP source systems through**ODP**
- Importing data from **Flat Files**

### 9. CompositeProviders Modeling

- Creating and modeling **CompositeProviders**

### 10. Open ODS Views Modeling

- Modeling **Open ODS Views**

### 11. Data Administration

- Managing **Master Data**
- Administering **DataStore Objects (advanced)**

### 12. Process Chains

- Working with **Process Chains**

### 13. SAP HANA Delta Merge

- **SAP HANA Delta Merge** operations

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