



# SAP BW powered by SAP HANA: BW Query Design

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**Code:** BW305H-v015  
**Length:** 5 days  
**URL:** [View Online](#)

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## Skills Gained

- This course will prepare you to:
  - Provide students with an overview of SAP BW powered by SAP HANA
  - Provide knowledge to create query definitions using BW Query Designer and to make them available for analysis

## Who Can Benefit

- Application Consultant
- Business Analyst
- Business Process Owner / Team Lead / Power User
- Data Consultant / Manager
- Program / Project Manager
- Technology Consultant
- User

## Prerequisites

- Essential:
  - None.
- Recommended:
  - Experienced and sound knowledge of the subject matter of at least one SAP ERP application course.

## Course Details

### Course Content

- Introduction to SAP HANA and SAP Business Warehouse (BW)

- Describing the Evolution and Data Layout of SAP HANA
- Describing the Concepts of Business Intelligence (BI) and Data Warehousing on Any Database
- Outlining the Basics of SAP BW Powered by SAP HANA
- Set Up SAP BW Modeling Tools in SAP HANA Studio
- Report Launching and Navigation in Reports
  - Outlining SAP BusinessObjects BI Platform
  - Navigating in SAP BusinessObjects Analysis, Edition for Microsoft Office
  - Navigating in SAP BusinessObjects Design Studio Generic App
- Simple Queries
  - Creating Simple Queries
- Key Figures in Queries
  - Configuring Properties of Key Figures
  - Creating Restricted Key Figures
  - Creating Calculated Key Figures
  - Creating Calculated Key Figures with Boolean Operators
  - Creating Calculated Key Figures with Exception Aggregation
- Structures in Queries
  - Creating Structures
  - Resolving Formula Collision and Working with Cells
- Characteristics, Attributes, and External Hierarchies in Queries
  - Configuring the Properties of Characteristics
  - Creating a Query and Running Display and Navigation Attributes
  - Creating Queries and Including External Hierarchies
- Variables in Queries
  - Explaining Variables
  - Creating Characteristic Value and Text Variables
  - Applying Business Content Variables
  - Creating Characteristic Value Variables with a Replacement Path from a Query
  - Creating Formula Variables
  - Creating Hierarchy Variables and Hierarchy Node Variables
- Exceptions and Conditions in Queries
  - Creating a Query and Including Exceptions
  - Creating a Query and Including Conditions
- Report-Report Interface
  - Applying the Report-Report Interface
- Query Performance Optimization
  - Optimizing Query Performance
  - Applying Performance Monitoring Tools
  - Configuring Query Read Mode
  - Describing the HANA-Optimized Analytic Manager
- Query Management

-Managing Query Objects

- Authorizations Overview

-Describing Authorizations

- Business Intelligence (BI) Products Consuming Queries

-Describing Business Intelligence Products Consuming Queries

## Notes

- Courseware available as flipbook in Learning Hub

## Course based on software release

- SAP BW 7.5 on SAP HANA
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