

Getting Started with On-Premise Data Warehousing Using SAP BW/4HANA

Course Description:

This course provides a foundational understanding of **SAP BW/4HANA**, SAP's on-premise data warehousing solution. Participants will explore key concepts, data modeling, data acquisition, and system operations, gaining insights into how SAP BW/4HANA supports enterprise-wide data warehousing. The course covers essential components such as **InfoObjects, InfoProviders, DataStore Objects, CompositeProviders, and BW Queries**. Additionally, learners will discover best practices for managing data security, authorizations, and system performance.

Audience Profile:

This course is designed for:

- **Business Users** looking to understand how SAP BW/4HANA supports analytics and reporting.
- **Administrators** responsible for data management, security, and system maintenance.
- **Developers** who need to build and optimize data models within SAP BW/4HANA.

Prerequisites:

None.

Course Objectives:

Upon completing this course, participants will be able to:

- Explain the role and importance of a data warehouse in enterprise data management.
- Describe the key features and components of **SAP BW/4HANA**.
- Understand how **SAP HANA** powers SAP BW/4HANA.
- Model and acquire data using **ABAP CDS Views, DataSources, and DataStore Objects**.
- Develop and use **CompositeProviders** and **BW Queries** for reporting and analytics.
- Manage **data lifecycle, automation, authorizations, and security** within SAP BW/4HANA.

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Unit 1: Introducing SAP BW/4HANA

- Outlining the Role of a Data Warehouse
- Describing How SAP BW/4HANA Supports Data Warehousing
- Understanding How SAP HANA Powers SAP BW/4HANA
- Describing InfoObjects
- Describing InfoProviders
- Outlining the Data Flow

Unit 2: Acquiring Data, Modeling, and Analytical Functions of SAP BW/4HANA

- Introducing a Data Flow Scenario for Transactional Data
- Extracting Data from a Source System
- Defining the Inbound Layer of SAP BW/4HANA
- Loading Data into the Corporate Memory Layer
- Loading Data into the Data Warehouse Layer
- Developing the Virtualization Layer
- Generating Analytics
- Presenting Analytics
- Accessing Data Directly from Remote Sources

Unit 3: Operating SAP BW/4HANA

- Scheduling Routine Tasks and General Housekeeping
- Managing the Data Lifecycle
- Managing Authorizations, Data Security, and Data Privacy