

Data Warehousing with SAP BW/4HANA - Delta from SAP BW on any DB (classic)

COURSE OUTLINE

Course Version: 18 Course Duration:

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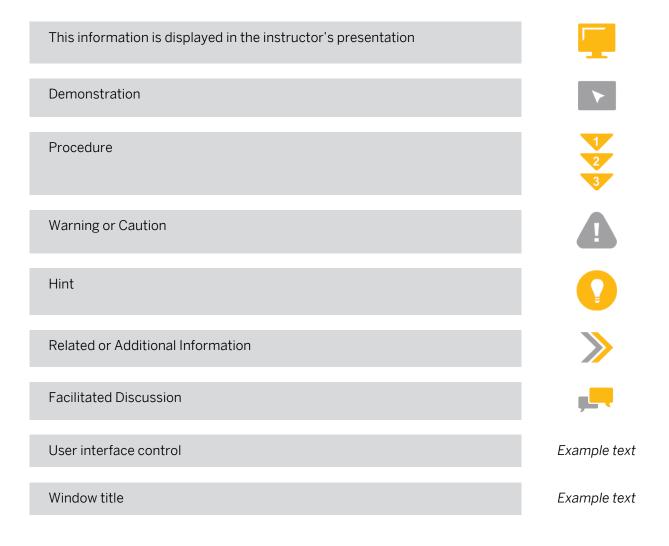
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Typographic Conventions

American English is the standard used in this handbook. The following typographic conventions are also used.





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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Systems Architect
- Solution Architect



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UNIT 1 Getting Started

Lesson 1: Getting Started with Our Training Environment

Lesson Objectives

After completing this lesson, you will be able to:

• Understand the software components and the data used in this SAP training

Lesson 2: Getting Started with SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

• Understand the fundamental concepts of the SAP HANA platform

Lesson 3: Getting Started with SAP BW/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

• Give an overview of SAP Data Warehousing Approaches, SAP BW, the value added by SAP HANA, and the evolution to SAP BW/4HANA

Lesson 4: Getting Started with SAP BW/4HANA Modeling Tools

Lesson Objectives

After completing this lesson, you will be able to:

• Work with the Eclipse-based UI for modeling in SAP BW/4HANA

Lesson 5: Getting Started with SAP BW/4HANA Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

• Leverage the new SAP BW/4HANA cockpit for regular Data Warehouse tasks in SAP BW/4HANA



UNIT 2 Paths to SAP BW/4HANA

Lesson 1: Describing Conversion Strategies and Tools

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the conversion options to SAP BW/4HANA and related tools

Lesson 2: Introducing the In-Place Conversion Approach

Lesson Objectives

After completing this lesson, you will be able to:

• Provide a quick overview of in-place conversion

Lesson 3: Introducing the Remote Conversion and Shell Conversion Approaches

Lesson Objectives

After completing this lesson, you will be able to:

• Provide a quick overview of remote conversion and shell conversion



UNIT 3 SAP HANA Modeling

Lesson 1: Getting Started with SAP HANA Native Modeling

Lesson Objectives

After completing this lesson, you will be able to:

Describe SAP HANA Calculation Views and understand how best to use them



UNIT 4 Core Modeling Artifacts in SAP **BW/4HANA**

Lesson 1: Describing InfoObjects

Lesson Objectives

After completing this lesson, you will be able to:

Provide an overview of new InfoObject features

Lesson 2: Explaining Advanced DataStore Objects

Lesson Objectives

After completing this lesson, you will be able to:

• Introduce modeling options for Advanced DataStore Objects

Lesson 3: Explaining CompositeProviders

Lesson Objectives

After completing this lesson, you will be able to:

• Explain the purpose of the CompositeProvider

Lesson 4: Getting Started with Open ODS Views

Lesson Objectives

After completing this lesson, you will be able to:

Introduce the new BW data model for virtual data integration: Open ODS View

Lesson 5: Describing Open Hub Destinations

Lesson Objectives

After completing this lesson, you will be able to:

Provide an overview of the Open Hub Destination object in SAP BW/4HANA

Lesson 6: Introducing BAdl Providers

Lesson Objectives

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After completing this lesson, you will be able to:

• Provide a quick overview of the BAdl Provider

Lesson 7: Explaining the BW/4HANA Reference Architecture LSA++

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the concepts of SAP's reference architecture for SAP BW/4HANA

UNIT 5 Hybrid Modeling in Mixed Scenarios

Lesson 1: Generating External SAP HANA Views for SAP BW/4HANA Objects

Lesson Objectives

After completing this lesson, you will be able to:

• Explain how to generate SAP HANA Views for SAP BW/4HANA objects

Lesson 2: Describing Mixed Scenarios

Lesson Objectives

After completing this lesson, you will be able to:

• Explain the purpose of mixed scenarios



UNIT 6 Running the SAP BW/4HANA Data Warehouse

Lesson 1: Explaining Authorizations

Lesson Objectives

After completing this lesson, you will be able to:

• Understand the changes in the authorization concepts of SAP BW/4HANA

Lesson 2: Explaining the SAP BW/4HANA Content Add-On

Lesson Objectives

After completing this lesson, you will be able to:

Describe the key concepts of the SAP BW/4HANA Content Add-On

Lesson 3: Introducing HANA Analysis Processes

Lesson Objectives

After completing this lesson, you will be able to:

• Design HANA-optimized analysis processes in SAP BW

Lesson 4: Describing the SAP BW/4HANA Analytic Manager

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the analytic manager and different query processing modes

Lesson 5: Explaining SAP HANA-Optimized Transformations

Lesson Objectives

After completing this lesson, you will be able to:

• Describe how Transformation can be SAP HANA-optimized

Lesson 6: Describing Process Chains

Lesson Objectives

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After completing this lesson, you will be able to:

• Leverage process chains in SAP BW/4HANA

UNIT 7 SAP BW/4HANA Data Lifecycle Management

Lesson 1: Describing Multi-Temperature Data Management

Lesson Objectives

After completing this lesson, you will be able to:

• Explain multi-temperature data management in SAP BW/4HANA

Lesson 2: Introducing SAP BW/4HANA Data Tiering Optimization (DTO)

Lesson Objectives

After completing this lesson, you will be able to:

• Explain the SAP BW/4HANA concept of Data Tiering Optimization



UNIT 8 Data Provisioning into SAP HANA and SAP BW/4HANA

Lesson 1: Explaining Data Provisioning Options

Lesson Objectives

After completing this lesson, you will be able to:

• Explain how to provision data into SAP HANA and SAP BW/4HANA

Lesson 2: Explaining SLT Replication into SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

Explain the positioning of SAP Landscape Transformation Replication Server in the context of SAP HANA

Lesson 3: Describing SAP HANA Remote Sources (SDA/SDI)

Lesson Objectives

After completing this lesson, you will be able to:

 Explain SAP HANA smart data access and SAP HANA smart data integration and how SAP BW/ 4HANA is able to leverage them

Lesson 4: Explaining Operational Data Provisioning into SAP BW/ 4HANA

Lesson Objectives

After completing this lesson, you will be able to:

• Explain the different ODP data provisioning types relevant for SAP BW/4HANA

Lesson 5: Introducing Integration Options with Cloud Sources

Lesson Objectives

After completing this lesson, you will be able to:

• Provide an Overview of Integration Options with Cloud Applications



UNIT 9 SAP BW/4HANA and Core Data Services

Lesson 1: Getting Started with SAP Core Data Services

Lesson Objectives

After completing this lesson, you will be able to:

• Introduce SAP Core Data Services and how this technology relates to SAP BW/4HANA

Lesson 2: Introducing SAP BW/4HANA Statistical Analysis

Lesson Objectives

After completing this lesson, you will be able to:

• Understand the new solution replacing OTCT content

Lesson 3: Introducing SAP S/4HANA Extraction based on ODP_CDS

Lesson Objectives

After completing this lesson, you will be able to:

 Introduce ABAP CDS Views as Providers for ODP Extraction and the new DataSources available in SAP S/4HANA

Lesson 4: Describing CDS DataSources in SAP S/4HANA and related content in SAP BW/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

Introduce S/4HANA CDS-based DataSources and related content in BW/4HANA

Lesson 5: Getting Started with SAP S/4HANA Embedded Analytics

Lesson Objectives

After completing this lesson, you will be able to:

• Understand SAP S/4HANA and describe SAP S/4HANA embedded analytics



UNIT 10 The Impact of SAP S/4HANA to SAP BW

Lesson 1: Explaining the Impact of SAP S/4HANA on SAP BW

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the impact of SAP S/4HANA on SAP BW



UNIT 11 Appendix

Lesson 1: Getting Started with BW Workspaces

Lesson Objectives

After completing this lesson, you will be able to:

• Get started with SAP BW/4HANA Workspaces

Lesson 2: Introducing a Use Case with SAP Predictive Analytics

Lesson Objectives

After completing this lesson, you will be able to:

• Provide an additional use case for external SAP HANA Views

Lesson 3: Getting Started with SAP Analytics Cloud

Lesson Objectives

After completing this lesson, you will be able to:

• Explain benefits and core functionalities of SAP Analytics Cloud

Lesson 4: Explaining the SAP BW/4HANA Tool Collection

Lesson Objectives

After completing this lesson, you will be able to:

• Understand the value of the SAP BW/4HANA tool collection

Lesson 5: Providing Useful Transaction Codes

Lesson Objectives

After completing this lesson, you will be able to:

• Summarize useful transactions codes in SAP BW/4HANA

Lesson 6: Providing Components for SAP Support and SAP Notes

Lesson Objectives



After completing this lesson, you will be able to:

• Summarize the BW/4HANA Components for SAP Support and SAP Notes

UNIT 12 Glossary

Lesson 1: Glossary

Lesson Objectives

After completing this lesson, you will be able to:

Provide an overview of the most important terms of this SAP BW/4HANA training

