

# BW410

## SAP BW/4HANA Data Warehousing

### COURSE OUTLINE

Course Version: 22

Course Duration:



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# Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation



Demonstration



Procedure



Warning or Caution



Hint



Related or Additional Information



Facilitated Discussion



User interface control

*Example text*

Window title

*Example text*

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# Course Overview

## **TARGET AUDIENCE**

This course is intended for the following audiences:





# UNIT 1

# Introducing Data Warehousing in SAP BW/4HANA

## **Lesson 1: Introducing Data Warehousing, SAP BW/4HANA and the Role of SAP HANA in SAP BW/4HANA**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe how SAP BW/4HANA is used to set up a data warehouse

## **Lesson 2: Working with SAP BW/4HANA Tools**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Work with SAP BW/4HANA tools

## **Lesson 3: Introducing a Data Warehousing Scenario**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Identify a data warehousing scenario to be implemented in SAP BW/4HANA



## Lesson 1: Introducing InfoObjects

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe InfoObjects

## Lesson 2: Defining Characteristics

### Lesson Objectives

After completing this lesson, you will be able to:

- Define Characteristics

## Lesson 3: Defining Key Figures

### Lesson Objectives

After completing this lesson, you will be able to:

- Define Key Figures



## Lesson 1: Introducing Data Flow Modeling

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe Data Flows

## Lesson 2: Introducing Graphical Data Flow Modeling

### Lesson Objectives

After completing this lesson, you will be able to:

- Work with graphical Data Flow modeling



# UNIT 4

# Loading Master Data to SAP BW/4HANA

## Lesson 1: Introducing ODP

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe ODP

## Lesson 2: Creating ODP\_SAP DataSources

### Lesson Objectives

After completing this lesson, you will be able to:

- Create an ODP\_SAP DataSource

## Lesson 3: Replicating ODP\_SAP DataSources

### Lesson Objectives

After completing this lesson, you will be able to:

- Replicate an ODP\_SAP DataSource

## Lesson 4: Creating Transformations and Data Transfer Processes

### Lesson Objectives

After completing this lesson, you will be able to:

- Create Transformations and Data Transfer Processes

## Lesson 5: Executing Data Transfer Processes and Exploring Master Data

### Lesson Objectives

After completing this lesson, you will be able to:

- Execute Data Transfer Processes and explore master data





## Lesson 1: Introducing DataStore Objects (advanced)

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe DataStore Objects (advanced)

## Lesson 2: Using the Data Mart DataStore Object

### Lesson Objectives

After completing this lesson, you will be able to:

- Use the Data Mart DataStore Object

## Lesson 3: Using the Standard DataStore Object

### Lesson Objectives

After completing this lesson, you will be able to:

- Use the Standard DataStore Object

## Lesson 4: Using the Staging DataStore Object

### Lesson Objectives

After completing this lesson, you will be able to:

- Use the Staging DataStore Object



## Lesson 1: Loading Transactional Data from SAP S/4HANA

### Lesson Objectives

After completing this lesson, you will be able to:

- Load transactional data from SAP S/4HANA

## Lesson 2: Loading Transactional Data from a Flat File

### Lesson Objectives

After completing this lesson, you will be able to:

- Load transactional data from a flat file

## Lesson 3: Updating Transactional Data in a Standard DataStore Object

### Lesson Objectives

After completing this lesson, you will be able to:

- Update transactional data in a Standard DataStore Object



## Lesson 1: Introducing InfoSources

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe InfoSources

## Lesson 2: Using Transformation Rules

### Lesson Objectives

After completing this lesson, you will be able to:

- Use transformation rules

## Lesson 3: Using Rule Groups

### Lesson Objectives

After completing this lesson, you will be able to:

- Use rule groups

## Lesson 4: Using Start Routine, End Routine and Expert Routine

### Lesson Objectives

After completing this lesson, you will be able to:

- Use start routine, end routine and expert routine

## Lesson 5: Identifying Runtime in Transformations

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify runtime in Transformations



## Lesson 1: Introducing Open ODS Views

### Lesson Objectives

After completing this lesson, you will be able to:

- Use Open ODS Views

## Lesson 2: Using Open ODS Views in Modeling Scenarios

### Lesson Objectives

After completing this lesson, you will be able to:

- Use Open ODS Views in modeling scenarios

## Lesson 3: Loading Data Based on an Open ODS View

### Lesson Objectives

After completing this lesson, you will be able to:

- Load data based on an Open ODS View





## Lesson 1: Introducing CompositeProviders

### Lesson Objectives

After completing this lesson, you will be able to:

- Use CompositeProviders

## Lesson 2: Introducing Queries

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify Queries



# UNIT 10

## Exploring Administrative and Operational Activities Related to Data Loading

### Lesson 1: Administrating Master Data

#### Lesson Objectives

After completing this lesson, you will be able to:

- Administrate master data

### Lesson 2: Administrating DataStore Objects (advanced)

#### Lesson Objectives

After completing this lesson, you will be able to:

- Administrate DataStore Objects (advanced)

### Lesson 3: Using Process Chains

#### Lesson Objectives

After completing this lesson, you will be able to:

- Use Process Chains

### Lesson 4: Describing SAP HANA Delta Merge Related To SAP BW/4HANA

#### Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP HANA delta merge related to SAP BW/4HANA