BW450

SAP BW/4HANA - Data Acquisition

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:

- Data Manager
- Systems Architect
- Project Manager
- Project Stakeholder
- Training Manager
- Application Consultant
- Development Consultant
- Technology Consultant
- Support Consultant
- Data Consultant
- Developer IT Adminstrator IT Support
- Database Administrator
- Solution Architect
- System Administrator
- Trainer

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UNIT 1 SAP BW/4HANA Strategy and Overview

Lesson 1: Describing the New SAP BW/4HANA Features that Affect Data Acquisition

Lesson Objectives

After completing this lesson, you will be able to:

- Review the SAP BW/4HANA terminology
- Describe the new features for SAP BW/4HANA that affect data acquisition

Lesson 2: Explaining the Strategy for SAP BW/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the strategy for SAP BW/4HANA

Lesson 3: 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

Lesson 4: Using Modeling Tools

Lesson Objectives

After completing this lesson, you will be able to:

- Review the Eclipse-based UI for SAP BW/4HANA modeling

Lesson 5: Outlining the Course Landscape

Lesson Objectives

After completing this lesson, you will be able to:

- Get started in the course landscape

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UNIT 2

Data Acquisition into SAP BW/4HANA with Flat File Source System (FILE)

Lesson 1: Positioning the Flat File DataSource in SAP BW/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Flat File DataSource in SAP BW/4HANA

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UNIT 3

Data Acquisition into SAP BW/4HANA with Operational Data Provisioning (ODP_SAP)

Lesson 1: Describing Data Acquisition with Operational Data Provisioning (ODP)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the ODP functionality

Lesson 2: Explaining ODP_SAP Source Systems

Lesson Objectives

After completing this lesson, you will be able to:

- Connect SAP source systems to SAP BW
- Describe the application component hierarchy
- Activate SAP ECC DataSources
- Manage ODP DataSources

Lesson 3: Debugging an SAP ECC DataSource

Lesson Objectives

After completing this lesson, you will be able to:

- Debug an SAP ECC DataSource
- Debug the ODP

Lesson 4: Analyzing the Operational Delta Queue (ODQ) for ODP - SAP

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze ODP/ODQ

Lesson 5: Loading Hierarchies from SAP ECC

Lesson Objectives

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After completing this lesson, you will be able to:

- Load a hierarchy from SAP ECC using a Delivered DataSource

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UNIT 4 Operational Data Provisioning Delta Management (ODP_SAP)

Lesson 1: Explaining Terms and Basic Processes of Delta Enabled DataSources

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the delta process

Lesson 2: Configuring the Logistics Data Extraction (LO Cockpit)

Lesson Objectives

After completing this lesson, you will be able to:

- Extract logistics data

Lesson 3: Appending BI Content DataSources

Lesson Objectives

After completing this lesson, you will be able to:

- Append BI Content DataSources

Lesson 4: Managing the Delta Data Transfer Processes (DTPs)

Lesson Objectives

After completing this lesson, you will be able to:

- Manage ODP DTPs for Delta Load
- Manage the ODQ for Delta Load

Lesson 5: Discussing the New General Ledger Data Extraction

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the new General Ledger data extraction

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Lesson 6: Configuring Generic Delta DataSources

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the use of Generic Delta Management

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UNIT 5 SAP BW/4HANA Data Extraction from SAP S/4HANA (ODP_CDS)

Lesson 1: Introducing SAP S/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP S/4HANA and its key features

Lesson 2: Describing the SAP S/4HANA Architecture

Lesson Objectives

After completing this lesson, you will be able to:

- Explain virtual data models (VDM)

Lesson 3: Understanding the Positioning of SAP BW/4HANA with SAP S/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Describe where SAP BW fits with SAP S/4HANA

Lesson 4: Describing ABAP CDS Views in an SAP BW or BW/4HANA Context

Lesson Objectives

After completing this lesson, you will be able to:

- Describe ABAP CDS View Usage in a BW Context

Lesson 5: Managing Delta Logic for ABAP CDS Views

Lesson Objectives

After completing this lesson, you will be able to:

- Manage Delta Logic for ABAP CDS Views

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Lesson 6: Understanding Challenges/Opportunities After Updating to SAP S/4HANA from SAP ECC

Lesson Objectives

After completing this lesson, you will be able to:

- Understand BW related challenges and opportunities after updating to SAP S/4HANA from SAP ECC

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UNIT 6

Other Contexts of Operational Data Provisioning (ODP_SLT, ODP_BW, ODP_HANA)

Lesson 1: Data Provisioning with ODP - SLT

Lesson Objectives

After completing this lesson, you will be able to:

- Replicate data to SAP BW4HANA SAP Landscape Transformation (ODP-SLT)
- Stream data in real time with ODP - SLT

Lesson 2: Connecting BW Data Marts with ODP - BW

Lesson Objectives

After completing this lesson, you will be able to:

- Describe ODP - BW Data Marts

Lesson 3: Extracting from ODP - SAP HANA Information Views (Optional)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Extractions from ODP - SAP HANA Information Views

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UNIT 7

Data Acquisition into SAP HANA and Data Access with SAP HANA Local Database Schema (HANA_LOCAL)

Lesson 1: Explaining Data Provisioning into SAP HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how to deliver data into the SAP HANA database

Lesson 2: Explaining Data Provisioning into SAP HANA via Flat Files

Lesson Objectives

After completing this lesson, you will be able to:

- Load SAP HANA with the Flat File Wizard
- Load SAP HANA with the Flat File Bulk Loader

Lesson 3: Replicating Data to SAP HANA via SLT

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP Landscape Transformation Replication

Lesson 4: Explaining Virtual Data Provisioning into SAP HANA with Smart Data Access (SDA)

Lesson Objectives

After completing this lesson, you will be able to:

- Leverage virtual tables in SAP HANA

Lesson 5: Explaining Data Provisioning into SAP HANA via Smart Data Integration (SDI)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SDI data loads into SAP HANA

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UNIT 8

Data Acquisition into SAP BW/4HANA with the SAP HANA Smart Data Access (HANA_SDA)

Lesson 1: Introducing the HANA_SDA Source System

Lesson Objectives

After completing this lesson, you will be able to:

- Review SAP HANA SDI and SDQ / Focus on BW Integration

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UNIT 9

Manage and Optimize Data Flow Components in SAP BW/4HANA

Lesson 1: Streaming Data into SAP BW4/HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Stream data with SDI: Set up the data flow

Lesson 2: Working with Enhanced Master Data Update

Lesson Objectives

After completing this lesson, you will be able to:

- Work with Enhanced Master Data Update

Lesson 3: Working with SAP HANA Optimized Transformations

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how transformation rules in SAP BW/4HANA can be SAP HANA-optimized

Lesson 4: Positioning InfoSources

Lesson Objectives

After completing this lesson, you will be able to:

- Position InfoSources

Lesson 5: Positioning BAdi Providers

Lesson Objectives

After completing this lesson, you will be able to:

- Position BAdi Porviders

Lesson 6: Investigating Data Transfer

Lesson Objectives

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After completing this lesson, you will be able to:

- Investigate the data transfer via DTP

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UNIT 10

Big Data Acquisition to SAP BW/4HANA

Lesson 1: Introducing the SAP HANA Big Data Source System and SAP Vora

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP Vora and the Big Data Source System

Lesson 2: Comparing SAP BW/4HANA Data Acquisition Options

Lesson Objectives

After completing this lesson, you will be able to:

- Compare SAP BW data acquisition options

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UNIT 11

Appendix: Topics Not Covered in the Training Class

Lesson 1: Optional: Implementing Open Hub Destinations

Lesson Objectives

After completing this lesson, you will be able to:

- Distribute SAP BW Data using Open Hub destinations

Lesson 2: Optional: Introducing SAP Agile Data Preparation

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP Agile Data Preparation

Lesson 3: Optional: Introducing the Data Protection Workbench

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the use case and handling of the Data Protection Workbench

Lesson 4: Optional: Migrating and Using Process Chains

Lesson Objectives

After completing this lesson, you will be able to:

- Leverage process chains in SAP BW/4HANA

Lesson 5: Optional: Introducing the SAP Data Intelligence

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP Data Intelligence

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