BW310

BW - Enterprise Data Warehousing

COURSE OUTLINE

Course Version: 10
Course Duration: 5 Day(s)

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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*

Contents

Course Overview

TARGET AUDIENCE
This course is intended for the following audiences:

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

UNIT 1 Data Warehousing

Lesson 1: Describing Data Warehouse Systems

Lesson Objectives

After completing this lesson, you will be able to:

- Discuss the concepts of Business Intelligence and Data Warehousing

Lesson 2: Describing Data Warehouse Architecture

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Data Warehouse architecture
- Describe data storage and flow

Lesson 3: Using the Data Warehousing Workbench

Lesson Objectives

After completing this lesson, you will be able to:

- Use the Data Warehousing Workbench

UNIT 2 Master Data Modeling in SAP BW

Lesson 1: Describing InfoObjects

Lesson Objectives

After completing this lesson, you will be able to:

- Describe InfoObjects

Lesson 2: Creating Characteristic InfoObjects

Lesson Objectives

After completing this lesson, you will be able to:

- Create characteristic InfoObjects

UNIT 3 The Loading of Master Data from SAP DataSources

Lesson 1: Describing Data Flow

Lesson Objectives
After completing this lesson, you will be able to:

- Describe data flow

Lesson 2: Creating a Characteristic for a Master Data Flow

Lesson Objectives
After completing this lesson, you will be able to:

- Create a characteristic for a master data flow

Lesson 3: Creating a DataSource and Transformation for a Master DataFlow

Lesson Objectives
After completing this lesson, you will be able to:

- Create the DataSources and transformation for a master data flow

Lesson 4: Loading a Master Data Flow

Lesson Objectives
After completing this lesson, you will be able to:

- Load master data

Lesson 5: Modeling with the Graphical Data Flow Tool

Lesson Objectives
After completing this lesson, you will be able to:

- Model with the graphical Data Flow tool

UNIT 4 Loading of Transaction Data from SAP DataSources

Lesson 1: Describing the Core InfoProviders

Lesson Objectives
After completing this lesson, you will be able to:

- Describe the purpose of InfoCubes and DataStore objects

Lesson 2: Creating a Key Figure InfoObject

Lesson Objectives
After completing this lesson, you will be able to:

- Create key figure InfoObjects

Lesson 3: Creating a DataStore Object (DSO)

Lesson Objectives
After completing this lesson, you will be able to:

- Describe a DataStore Object
- Create DataStore Objects

Lesson 4: Loading Transaction Data into a DataStore Object (DSO)

Lesson Objectives
After completing this lesson, you will be able to:

- Load transactional data into a standard DSO

Lesson 5: Activating data in a DataStore object

Lesson Objectives
After completing this lesson, you will be able to:

- Activate data in a DataStore Object

Lesson 6: Describing the Extended Star Schema of an InfoCube

Lesson Objectives
After completing this lesson, you will be able to:

- Describe different database schema
- Describe the extended star schema of an InfoCube

Lesson 7: Creating InfoCubes

Lesson Objectives
After completing this lesson, you will be able to:

- Create InfoCubes

Lesson 8: Loading Transaction Data into an InfoCube

Lesson Objectives
After completing this lesson, you will be able to:

- Load transaction data into an InfoCube

UNIT 5 Loading from Flat File Data Sources

Lesson 1: Loading Data From a Flat File

Lesson Objectives

After completing this lesson, you will be able to:

- Create a flat file DataSource

Lesson 2: Describing the Data Flow in Detail

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the data acquisition
- Explain the transformation process

Lesson 3: Describing the Data Loading Process in Detail

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the data loading process in detail
- Explain the error Data Transfer Process (DTP) handling

UNIT 6 InfoProviders in SAP BW

Lesson 1: Explaining Different InfoProviders Used in SAP BW

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the use cases and properties of different InfoProviders

Lesson 2: Creating MultiProviders

Lesson Objectives

After completing this lesson, you will be able to:

- Construct a MultiProvider

UNIT 7 SAP BI Content

Lesson 1: Using BI Content

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the purpose and usage of BI content

UNIT 8 Query Performance Optimization

Lesson 1: Optimizing Query Performance

Lesson Objectives

After completing this lesson, you will be able to:

- Identify performance optimization areas
- Optimize query performance

Lesson 2: Monitoring Performance

Lesson Objectives

After completing this lesson, you will be able to:

- Use statistical content

Lesson 3: Creating and Filling Aggregates

Lesson Objectives

After completing this lesson, you will be able to:

- Create and fill aggregates

UNIT 9 SAP BW Administration

Lesson 1: Describing Administrative Tasks and Tools

Lesson Objectives
After completing this lesson, you will be able to:

- Describe administrative tasks and tools

Lesson 2: Administering the InfoCubes

Lesson Objectives
After completing this lesson, you will be able to:

- Maintain InfoCubes

Lesson 3: Administering the DataStore Objects

Lesson Objectives
After completing this lesson, you will be able to:

- Maintain DataStore objects

Lesson 4: Creating Process Chains

Lesson Objectives
After completing this lesson, you will be able to:

- Create and maintain process chains