BC430

ABAP Dictionary

COURSE OUTLINE

Course Version: 15
Course Duration: 3 Day(s)12

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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
- Data Consultant
- Development Consultant
- Industry / Business Analyst Consultant
- Technology Consultant
- Developer
- System Administrator

UNIT 1 Introduction to the ABAP Dictionary

Lesson 1: Describing the ABAP Dictionary

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the functions of the ABAP Dictionary

UNIT 2

Data Types in the ABAP Dictionary

Lesson 1: Creating Domains and Data Elements

Lesson Objectives

After completing this lesson, you will be able to:

- Create domains for data elements
- Create data elements

Lesson 2: Creating Flat Structures

Lesson Objectives

After completing this lesson, you will be able to:

- Create simple and nested structures in the ABAP Dictionary

Lesson 3: Creating Table Types and Deep Structures

Lesson Objectives

After completing this lesson, you will be able to:

- Create table types in the ABAP Dictionary
- Create deep structures in the ABAP Dictionary

Lesson 4: Creating Type Groups

Lesson Objectives

After completing this lesson, you will be able to:

- Define type groups in the ABAP Dictionary

UNIT 3 Database Tables

Lesson 1: Creating Transparent Tables

Lesson Objectives

After completing this lesson, you will be able to:

- Create transparent tables
- Define INCLUDE structures
- Create tables in the ABAP Dictionary

Lesson 2: Defining Cluster Tables and Pooled Tables

Lesson Objectives

After completing this lesson, you will be able to:

- Define cluster tables and pooled tables

UNIT 4 Performance During Table Access

Lesson 1: Creating Database Table Indexes

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the use of database indexes
- Create database indexes in the ABAP Dictionary

Lesson 2: Setting Up Table Buffering

Lesson Objectives

After completing this lesson, you will be able to:

- Apply the settings for table buffering
- Describe buffering types
- Set up table buffering

UNIT 5 Input Checks

Lesson 1: Creating Fixed Values

Lesson Objectives

After completing this lesson, you will be able to:

- Create fixed values for a domain

Lesson 2: Defining Foreign Keys to Perform Input Checks

Lesson Objectives

After completing this lesson, you will be able to:

- Define foreign keys to ensure data consistency

Lesson 3: Creating Text Tables

Lesson Objectives

After completing this lesson, you will be able to:

- Create a text table

UNIT 6 Dictionary Object Dependencies

Lesson 1: Differentiating Between Active and Inactive Dictionary Objects

Lesson Objectives

After completing this lesson, you will be able to:

- Differentiate between active and inactive Dictionary objects

Lesson 2: Identifying Dependencies with ABAP Dictionary Objects

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the usages of Dictionary objects using the where-used list

UNIT 7 Table Changes

Lesson 1: Performing a Table Conversion

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the effect of table changes
- Convert transparent tables
- Correct conversion errors

Lesson 2: Enhancing Tables Using Append Structures

Lesson Objectives

After completing this lesson, you will be able to:

- Add enhancements to tables using append structures

UNIT 8 Views and Maintenance Views

Lesson 1: Creating Database Views

Lesson Objectives

After completing this lesson, you will be able to:

- Describe database views
- Define database views

Lesson 2: Creating Maintenance Views

Lesson Objectives

After completing this lesson, you will be able to:

- Describe maintenance views
- Create maintenance views
- Identify when to use maintenance views

Lesson 3: Creating View Clusters

Lesson Objectives

After completing this lesson, you will be able to:

- Define complex maintenance dialogs

UNIT 9 Search Helps

Lesson 1: Creating Search Helps

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the input help process
- Create elementary search helps

Lesson 2: Applying Advanced Search Help Techniques

Lesson Objectives

After completing this lesson, you will be able to:

- Create collective search helps
- Create append search helps to enhance search helps
- Implement search help exits