SACM21

SAP Analytics Cloud Modeling in Data Transformation

COURSE OUTLINE

Course Version: 36
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
- Data Consultant
- Industry / Business Analyst Consultant
- Database Administrator
- System Architect

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UNIT 1 Explaining the Basics of Data Structures in SAP Analytics Cloud

Lesson 1: Describing Data Modeling Basics

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the foundational concepts for data modeling

Lesson 2: Identifying the Differences Between Model Structures

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the different model structures

Lesson 3: Explaining the Difference Between Import and Live Model Types

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the model types and data sources

Lesson 4: Creating Datasets

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the types of datasets and the difference between datasets and models
- Create a dataset

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UNIT 2 Designing and Creating Dimensions

Lesson 1: Defining Dimensions

Lesson Objectives

After completing this lesson, you will be able to:

- Explain private and public dimensions and the difference between dimensions and measures

Lesson 2: Identifying Dimension Types

Lesson Objectives

After completing this lesson, you will be able to:

- Explain account, organization, generic, data and version data types

Lesson 3: Describing Properties

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the unique properties for dimension types

Lesson 4: Designing and Creating Hierarchies

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the prerequisites required for creating hierarchies
- Create a dimension and hierarchy

Lesson 5: Importing and Wrangling Master Data to a Dimension

Lesson Objectives

After completing this lesson, you will be able to:

- Import and wrangle data in a dimension

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UNIT 3 Creating Import Models

Lesson 1: Creating an Import Model

Lesson Objectives

After completing this lesson, you will be able to:

- Create an import model

Lesson 2: Importing and Wrangling Transactional Data in a Model

Lesson Objectives

After completing this lesson, you will be able to:

- Explain data transformation functions in an import model
- Import data into a model

Lesson 3: Scheduling Data Imports

Lesson Objectives

After completing this lesson, you will be able to:

- Schedule data import

Lesson 4: Creating Formulas and Calculations

Lesson Objectives

After completing this lesson, you will be able to:

- Explain calculations created for import models
- Create calculated measures in a model

Lesson 5: Translating Currency

Lesson Objectives

After completing this lesson, you will be able to:

- Configure and translate currencies

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Lesson 6: Designing and Creating Time Hierarchies

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the prerequisites required for creating hierarchies
- Build custom time hierarchies

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UNIT 4 Creating Live Models

Lesson 1: Using Data Analyzer to Preview Your Live Data Structure

Lesson Objectives

After completing this lesson, you will be able to:

- Access data for your model with the data analyzer

Lesson 2: Creating Live Models

Lesson Objectives

After completing this lesson, you will be able to:

- Create a live model with S/4HANA data
- Create a live model with with HANA data
- Create a live model with SAP Business Warehouse data
- Create a live model using SAP BusinessObjects data

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UNIT 5 Working with Geographic Data

Lesson 1: Configuring Geographic Data in a Model

Lesson Objectives

After completing this lesson, you will be able to:

- Configure data for a geo map

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UNIT 6 Defining Data Security

Lesson 1: Defining Data Access

Lesson Objectives

After completing this lesson, you will be able to:

- Apply data access control

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