# 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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