

# **Explore SAP Data Warehouse Cloud from A to Z**

**Session ID: DA160** 

Klaus-Peter Sauer, SAP November 2022

**PUBLIC** 



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# Agenda

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What is this exercise about?

02

Where to find the script & data files?

03

**Exercise Overview** 

04

**Your Space** 



### What is this exercise about?

### **The Business Scenario**

Retail transactions sample data from a number of outlet stores located in the United States. The transaction details include the store, the sold product, the sales manager, and measures on revenue, cost, discount, and profit.

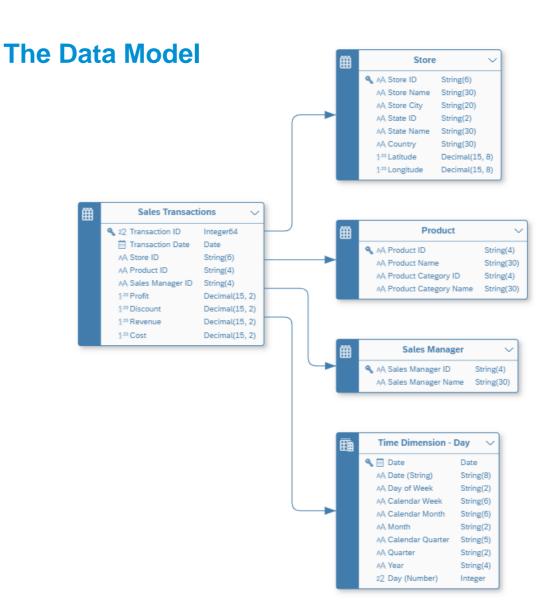
The sales department is looking for a few analytics they need:

- Year-over-Year Sales Comparison
- Sales Per Region
- Best Sales Representative

The exercises will walk you through the steps using SAP Data Warehouse Cloud and SAP Analytics Cloud to answer those open questions.

The following tables are being used and the data is provided in the **ZIP-file**:

Table Name	Description	Model Type
Sales Transactions	Daily retail transactions per store	Relational Dataset
Store	Details per Store Outlet	Dimension
Sales Manager	Details on all Sales Manager	Dimension
Product	Details on the products being sold	Dimension



## Where to find the script & data files?

The GitHub Repository is located: <a href="https://github.com/SAP-samples/teched2022-DA160">https://github.com/SAP-samples/teched2022-DA160</a>

### 

### **Pre-Requisites**

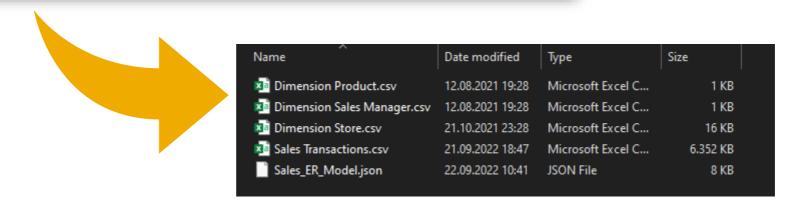
Google Chrome, access to this GitHub repository and access to a guided experience trial system of SAP Data Warehouse Cloud. You will also need a set of files for these exercises.

Download the ZIP-file from the GitHub site: 

DA160\_Resources.zip

♠ Once downloaded to your local machine, please unzip the file into a separate folder.

You will need it for the exercises. So, please remember the file location of the unzipped files!

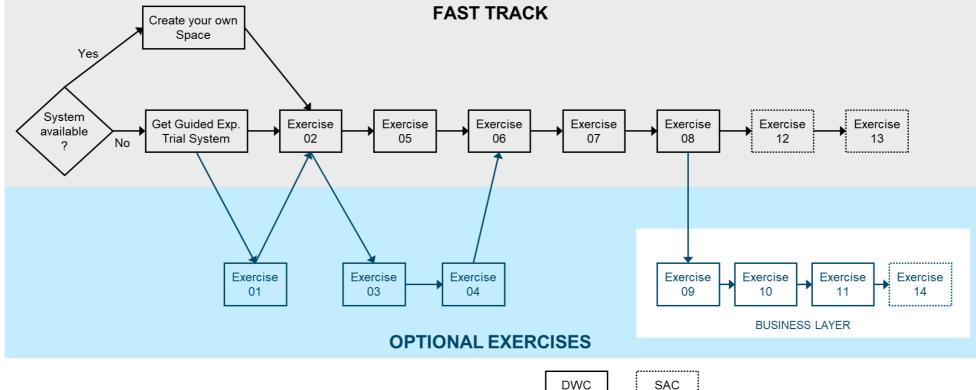


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### **Exercises: Fast Track and Optional Exercises**

We structured the overall exercise the following way:

- Fast Track for anyone eager to finish early and enjoy exploring the system on your own
- Optional Exercises if you want to learn more about the solution especially how to create tables, ER Models, and Business Layer Models



# The exercises (1)

In this area you get an **overview about the business scenario & the data model** used throughout the exercises.

We also give you guidance how to get your guided experience trial system in case you do not have access to a SAP Data Warehouse Cloud system already.

#### Exercises

#### 1. Getting Started

- o Overview about the Business Scenario & the Data Model
- o Get your guided experience trial system
- Exercise Overview

#### 2. SAP Data Warehouse Cloud

- o Exercise 01: First Log On
- Exercise 02: Get to know your own Space (Fast Track)

#### 3. SAP Data Warehouse Cloud - Data Builder

- Exercise 03: Prepare Your Data
- Exercise 04: Creating the Entity Relationship Model
- Exercise 05: Importing Tables (Fast Track)
- Exercise 06: Uploading Data (Fast Track)
- Exercise 07: Creating the Dimension (Fast Track)
- Exercise 08: Creating the View (Fast Track)

#### 4. SAP Data Warehouse Cloud – Business Layer

- o Exercises 09: Business Layer Dimension
- Exercises 10: Business Layer Analytical Dataset
- Exercises 11: Business Layer Consumption Model

#### 5. SAP Analytics Cloud

- Exercise 12: Year over Year Comparison (Fast Track Requires Exercise 08 to be completed)
- Exercise 13: Revenue by Geography (Fast Track Requires Exercise 08 to be completed)
- Exercise 14: Best Salesperson (Requires Exercise 11 to be completed)

# The exercises (2)

In this section you get an overview about **your first log on** and **how you navigate in the system** in case you have never used SAP Data Warehouse Cloud before.

The first mandatory exercise is #02: Get to know your own Space where you learn more about Spaces and create the Time Dimension required for your modeling in later parts of the exercise.

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# The exercises (3)

This is the core part of the modeling exercise.

You can manually create the tables and the entity relationship model, or use the **Fast Track** by importing the tables provided with the CSN file called *Sales\_ER\_Model.json*.

Then you populate the tables with data by **uploading data files** using the CSV files from the ZIP file. Based on these tables you then **create a dimension view** as well as an **analytical dataset**.

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# The exercises (4)

### The exercises in the Business Layer are optional.

However, if you are interested you will learn how to create a dimension, an analytical dataset, and a consumption model.

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# The exercises (5)

In this part you will **create simple stories in SAP Analytics Cloud** to learn how to visualize your data based on a live connection to SAP Data Warehouse Cloud.

The first story shows a year over year comparison and the second the revenue by geography. <u>Both require the previous exercises to be completed up to exercise 08</u>.

The final story about the best salesperson <u>can only be completed if</u> you finished the exercise 09 to 11.

#### Exercises

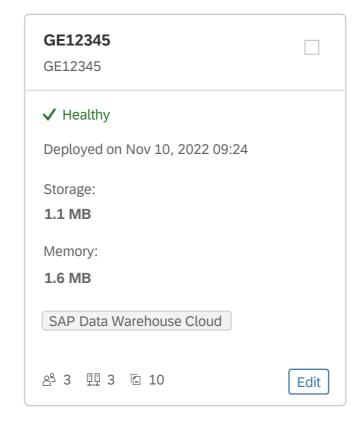
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### **Your Space GE12345**

When using a guided experience trial system for this hands-on training, a predefined Space is already there for you named: **GE12345** 

The number will be different for everyone!

In case you use your own system, we recommend you use a new empty Space.



### **SAP TechEd 2022 Sessions**



### Related SAP TechEd Sessions

#### Lectures

- DA110 The Future of Data Management and Data Warehousing
- DA204 SAP Data Warehouse Cloud: Road Map and Strategy
- DA205 SAP BW Bridge for SAP Data Warehouse Cloud: The Journey to the Public Cloud

### **Breakout Sessions**

- DA300 Data Warehousing Scenario: SAP Data Warehouse Cloud and SAP HANA Cloud
- DA301 Innovate and Move SAP Business Warehouse to SAP Data Warehouse Cloud

### In-person workshop

- DA160 Explore SAP Data Warehouse Cloud from A to Z
- DA262 Modeling External and SAP Software Data in SAP Data Warehouse Cloud

### **Public SAP Web sites**

- SAP Data Warehouse Cloud community: <a href="https://community.sap.com/topics/data-warehouse-cloud">https://community.sap.com/topics/data-warehouse-cloud</a>
- Use the Developer Tutorials to learn more
- SAP product page: <a href="https://www.sap.com/products/data-warehouse-cloud.html">https://www.sap.com/products/data-warehouse-cloud.html</a>
- More product details: documentation on <u>SAP Help</u>



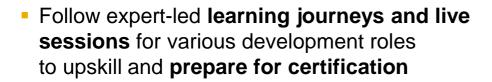
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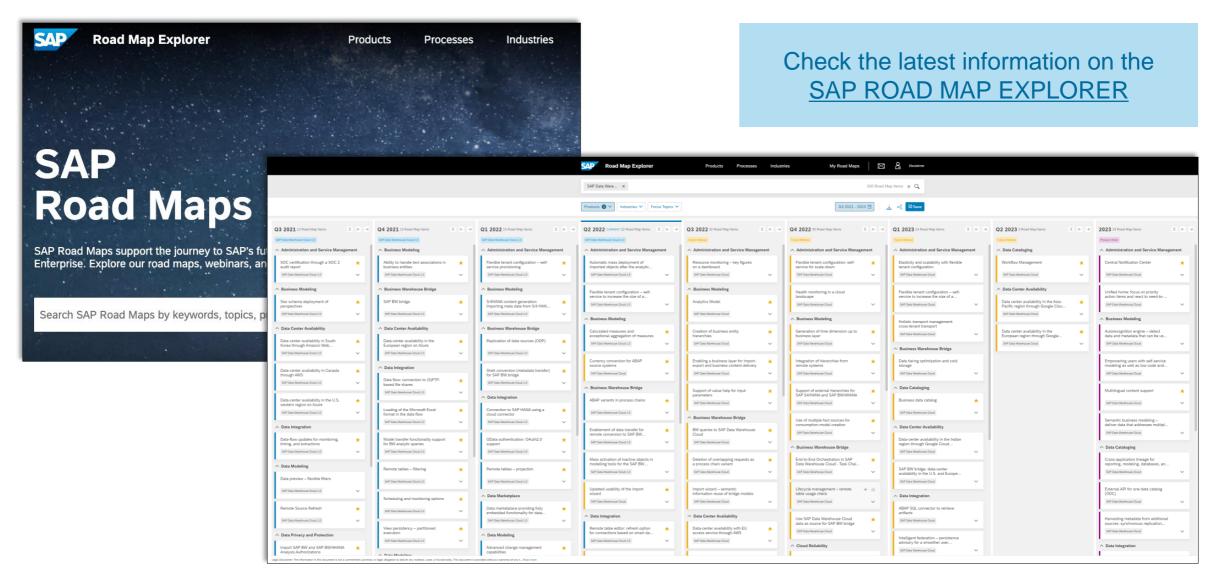


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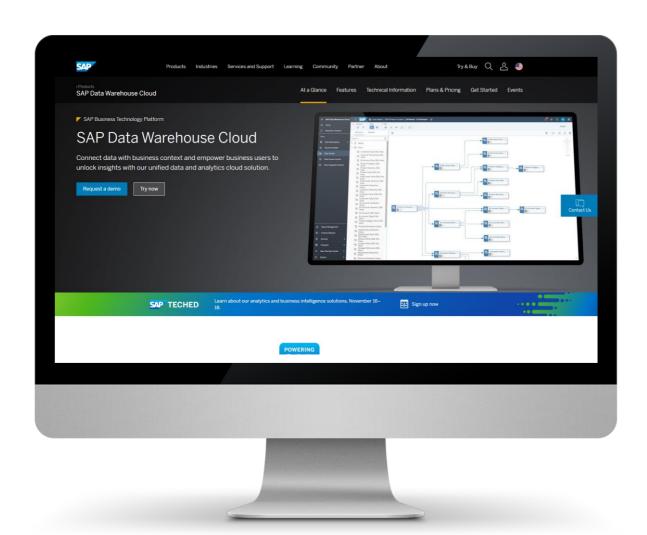
<sup>1.</sup> Pearson VUE's Latest "Value of IT Certification" Study Highlights Benefits of IT Certification in Challenging Times," Pearson Education Inc., May 25, 2021.

<sup>2.</sup> Chuck Cooper, Why Get IT Certification Council, March 2021.

## SAP Data Warehouse Cloud. SAP Road Map Explorer



# Learn more.



- Check out the product page on www.sap.com
- Get started with <u>documents & training</u>, <u>videos</u> or visit our <u>Learning Journey</u>
- Use the tutorials to learn more
- Join the <u>Community</u> and check out the <u>Best Practices</u>
- Online Documentation on <u>SAP Help</u>
- Stay informed & join the <u>LinkedIn group</u>

# Thank you.



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