SAP BTP Data-to-Value Hands-on Exercise Series
DV200 Exercise03 – Creating a Dimension with Business Builder of SAP Data Warehouse Cloud

This document will guide you step by step on the process of creating a Dimension about Book Author Dimension using Business Builder within SAP Data Warehouse Cloud

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DISCLAIMER

All functionality presented here is subject to change and may be changed by SAP at any time for any reason without notice.

OBJECTIVE

The objective of this exercise is to provide the steps needed to create a Dimension view using Business Builder of SAP Data Warehouse Cloud.

SCENARIO

In this session we will use the scenario as seen in Exercise #3 in the below image:
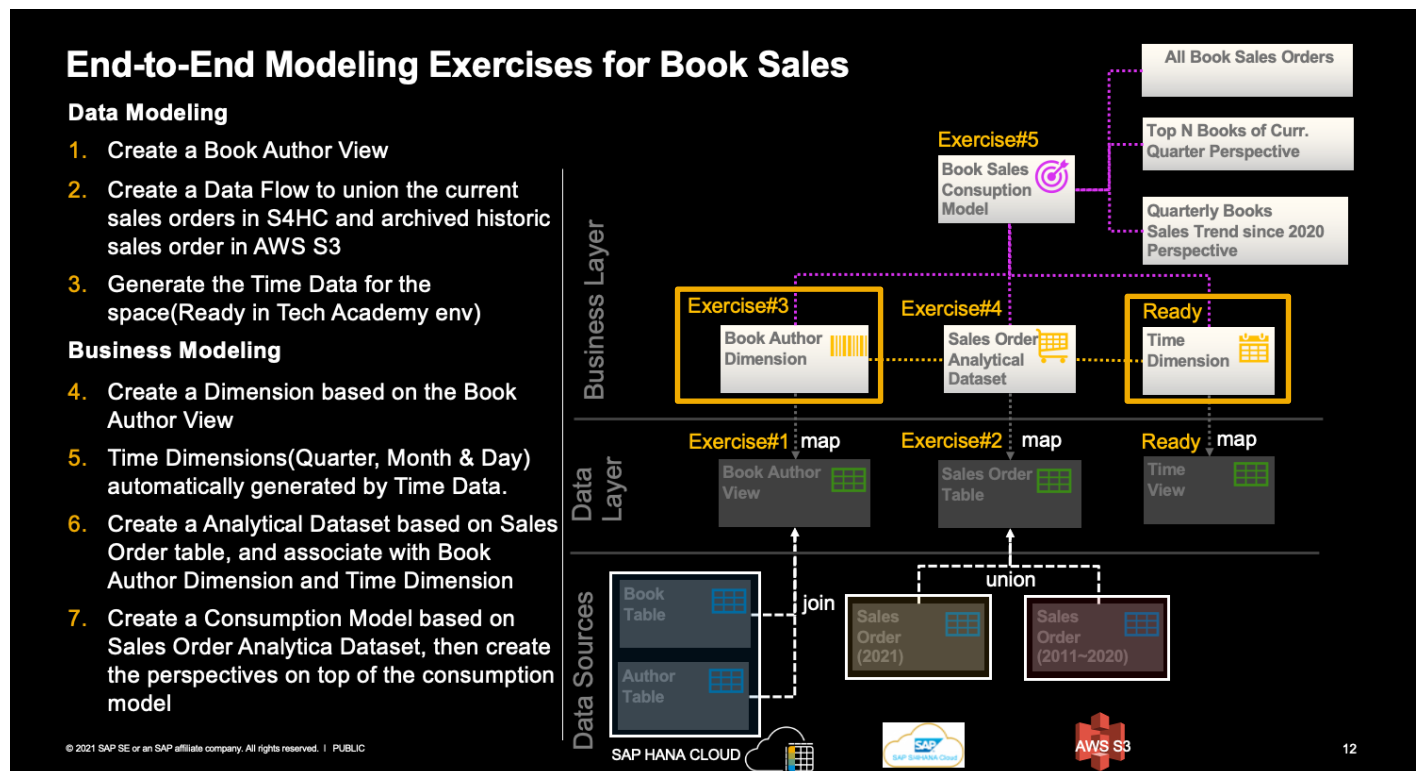
In this session we will create a Dimension Views using Business Builder. We will use the Book Author view created in the DV200_Exercise01 as a source to create Book Author Dimension including Book_ID, Book_Title, Author, ISBN13 etc, which will be used in Book Sales Analysis for Best-selling Books/Author etc. in a later exercise.

Time Dimension Day view is automatically generated by creating time data in the space. We will create Time Dimension Day based on this Time Dimension Day view, which will be used for Book Sales Analysis by Year/Quarter/Month etc. in a later exercise.

ENVIRONMENT ACCESS

<mark>Before proceeding with the exercise, please obtain the Tenant details and Login Credentials of SAP Data Warehouse Cloud provided to you as instruction below.</mark>

SAP Data Warehouse Cloud (to login SAP Data Warehouse Cloud and perform the exercise):

- Tenant URL
- Username: Your assigned User ID
- Password: Your assigned User Password

For the Bootcamp participants, please use the SAP Data Warehouse tenant provided by SAP, and your assigned user id and password:

- The SAP Data Warehouse cloud tenant URL is available in the dedicated **Microsoft Teams > General (Channel) > System Access (Tab) > SAP Data Warehouse Cloud (Section)**, which you have been invited.
  - o Your assigned user id and password for SAP Data Warehouse Cloud are communicated individually via email.

PREREQUISITES

You have completed the previous exercise:
- DV200_Exercise01: Book_Author_View is created.
- Time Data is generated in Space. (No action is required on this for SAP BTP Data-to-Value Bootcamp participant.)

EXERCISE STEP DETAILS
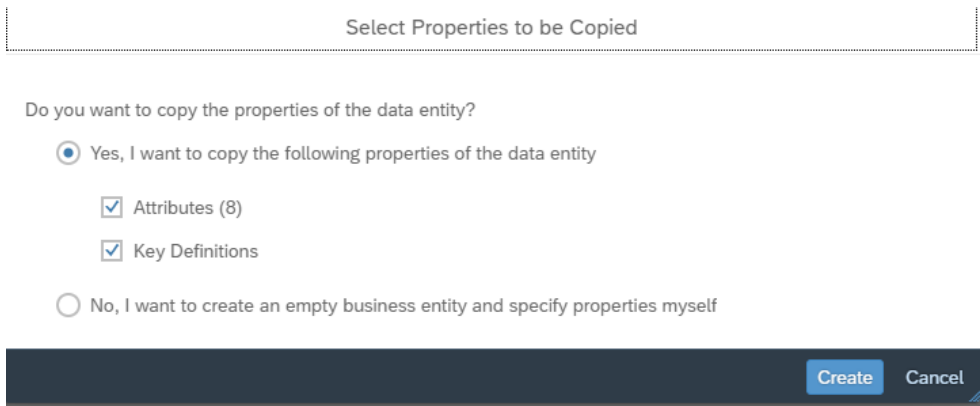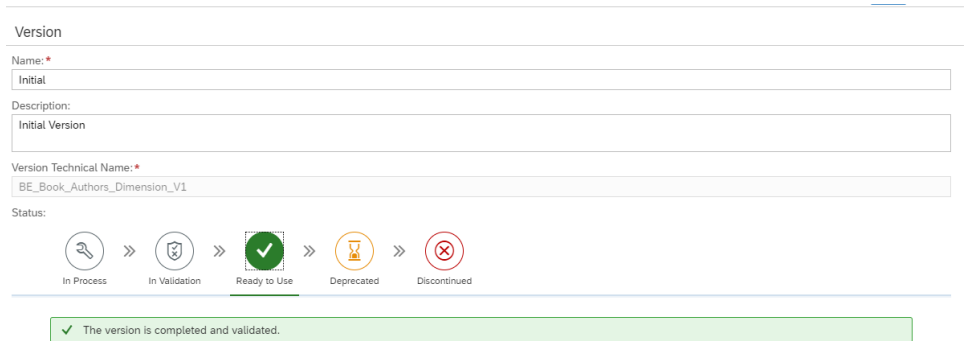
Explanation	Screenshot
Log on to SAP Data Warehouse Cloud with the given tenant URL and assigned user credential mentioned above. Go to the Home Screen.	
Click on the Business Builder icon ![icon], you see the space that you are assigned to.	

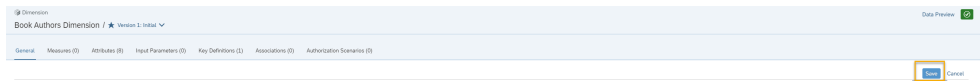| Explanation	Screenshot
Click on the Space.	
Click on Business Entities → Select New Dimension.	
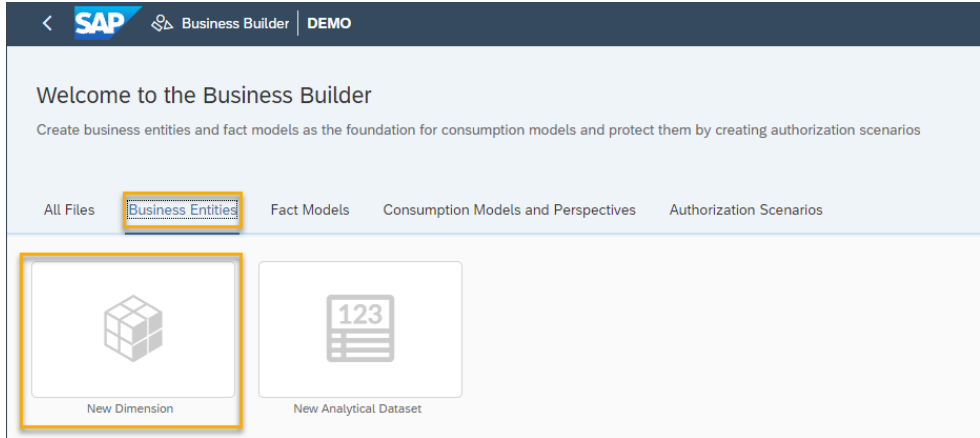
Explanation	Screenshot
Select the Book Authors Dimension View, which is created in one of previous exercises, i.e. DV200_Exercise01.	Create New Dimension Data Entity: * Search for data entity Data Entity / Status / Already used by All Book Sales Order Fact Table — Deployed **Book Authors Dimension View** / **Dimension** — **Deployed** SAP_CAPIRE_BOOKSHOP_AUTHORS — Deployed SAP_CAPIRE_BOOKSHOP_BOOKS — Deployed Time Dimension - Day / Dimension — Deployed Business Name: * Enter a business name Technical Name: * Enter a unique technical name Create Cancel
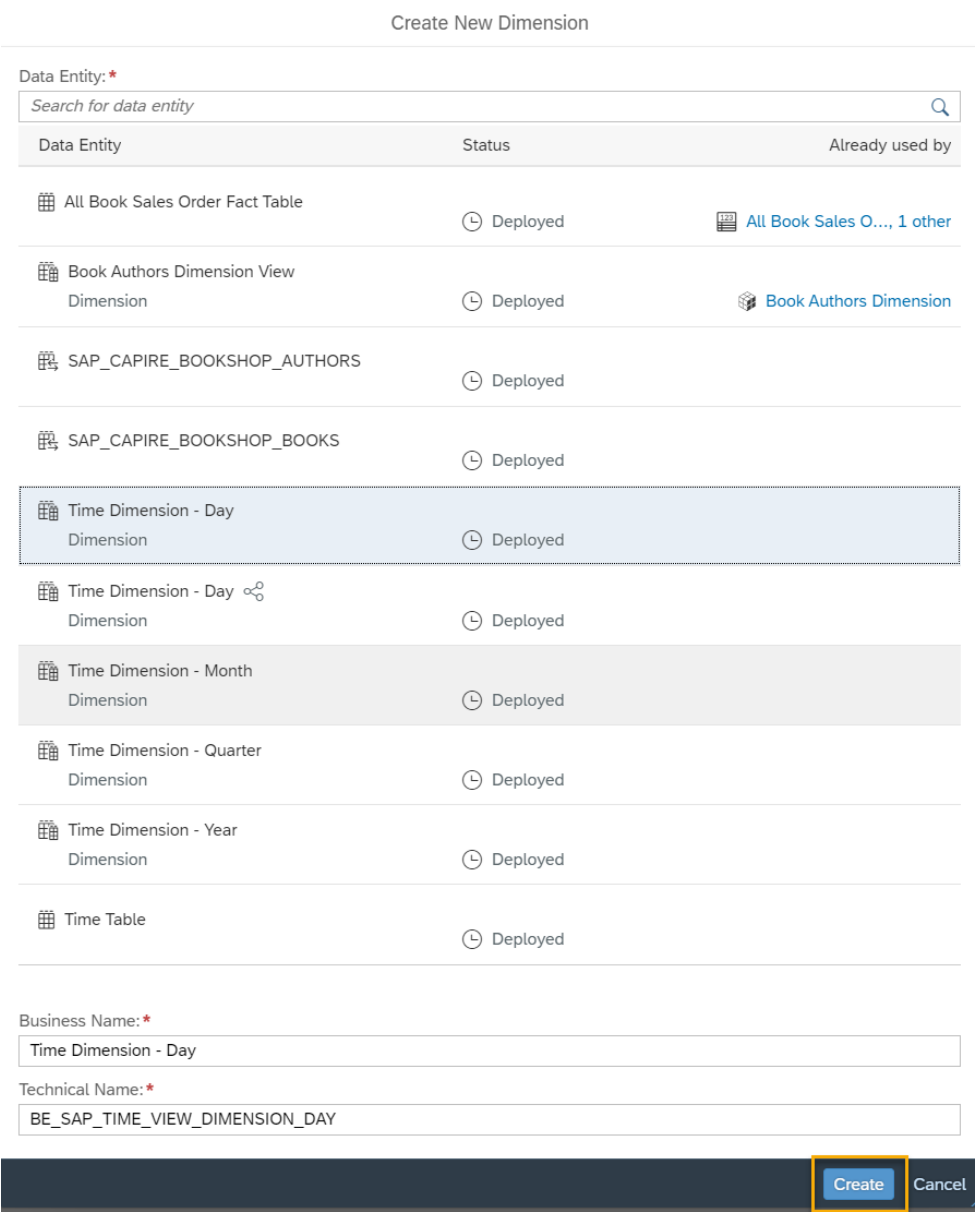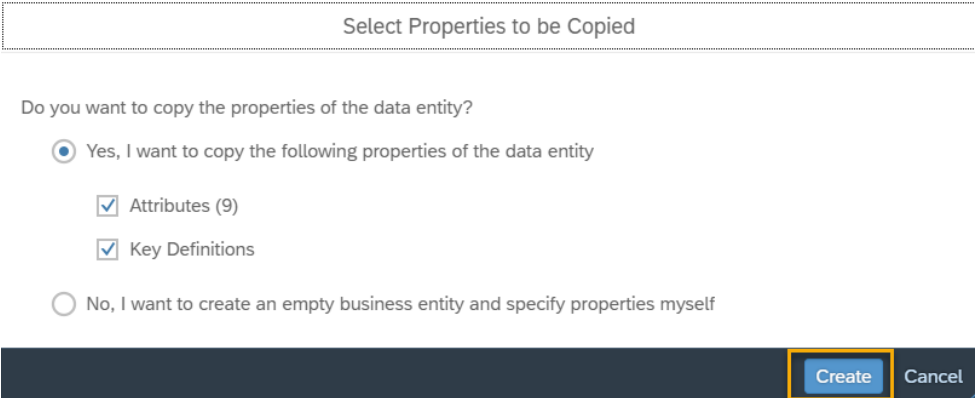
Explanation	Screenshot
Enter Business Name as "*Book Author Dimension*", Technical name will be automatically populated, then click Create button.	Create New Dimension Data Entity: * Search for data entity Data Entity — Status — Already used by ⊞ All Book Sales Order Fact Table — 🕐 Deployed ⊞ Book Authors Dimension View — Dimension — 🕐 Deployed ⊞ SAP_CAPIRE_BOOKSHOP_AUTHORS — 🕐 Deployed ⊞ SAP_CAPIRE_BOOKSHOP_BOOKS — 🕐 Deployed ⊞ Time Dimension - Day — Dimension — 🕐 Deployed Business Name: * Book Authors Dimension Technical Name: * BE_Book_Authors_Dimension Create Cancel

Explanation	Screenshot
Confirm the copy of properties from the source Data Entity to the target Business Entity.	Select Properties to be Copied Do you want to copy the properties of the data entity? ◉ Yes, I want to copy the following properties of the data entity ☑ Attributes (8) ☑ Key Definitions ◯ No, I want to create an empty business entity and specify properties myself Create Cancel
Click Save.	Dimension Book Authors Dimension / ★ Version 1: Initial ∨ General Measures (0) Attributes (8) Input Parameters (0) Key Definitions (1) Associations (0) Authorization Scenarios (0) Save Cancel
Check Status.	"Book Authors Dimension" saved
The view is now saved and ready to use.	Version Name: * Initial Description: Initial Version Version Technical Name: * BE_Book_Authors_Dimension_V1 Status: In Process » In Validation » Ready to Use » Deprecated » Discontinued ✓ The version is completed and validated.

Create Time Dimension View

Explanation	Screenshot
Click on Business Entities → Select New Dimension.	‹ SAP Business Builder │ DEMO Welcome to the Business Builder Create business entities and fact models as the foundation for consumption models and protect them by creating authorization scenarios All Files Business Entities Fact Models Consumption Models and Perspectives Authorization Scenarios New Dimension New Analytical Dataset

Explanation	Screenshot
Select the Time Dimension – Day and click create.	**Create New Dimension** Data Entity: * Search for data entity | Data Entity	Status	Already used by | All Book Sales Order Fact Table — Deployed — All Book Sales O..., 1 other Book Authors Dimension View / Dimension — Deployed — Book Authors Dimension SAP_CAPIRE_BOOKSHOP_AUTHORS — Deployed SAP_CAPIRE_BOOKSHOP_BOOKS — Deployed Time Dimension - Day / Dimension — Deployed Time Dimension - Day / Dimension — Deployed Time Dimension - Month / Dimension — Deployed Time Dimension - Quarter / Dimension — Deployed Time Dimension - Year / Dimension — Deployed Time Table — Deployed Business Name: * Time Dimension - Day Technical Name: * BE_SAP_TIME_VIEW_DIMENSION_DAY **Create** Cancel
Confirm the copy of properties from the source Data Entity to the target Business Entity.	**Select Properties to be Copied** Do you want to copy the properties of the data entity? ◉ Yes, I want to copy the following properties of the data entity ☑ Attributes (9) ☑ Key Definitions ○ No, I want to create an empty business entity and specify properties myself **Create** Cancel

Explanation	Screenshot
Click on The view is now saved and ready to use.	**Version** Name:* Initial Description: Initial Version Version Technical Name:* BE_SAP_TIME_VIEW_DIMENSION_DAY_V1 Status: In Process » In Validation » **Ready to Use** » Deprecated » Discontinued ✓ The version is completed and validated.
Click Save.	Dimension Time Dimension - Day / ★ Version 1: Initial ⌄ Data Preview General Measures (0) Attributes (9) Input Parameters (0) Key Definitions (1) Associations (0) Authorization Scenarios (0) Save Cancel