



PARTNER

SAP BTP Data-to-Value Hands-on Exercise Series DV200 Exercise05 – Creating a Consumption Model and Perspectives with Data Builder of SAP Data Warehouse Cloud

This document will guide you step by step on the process of creating a consumption model and perspective for Book Sales Analysis using Business Builder in SAP Data Warehouse Cloud

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DISCLAIMER

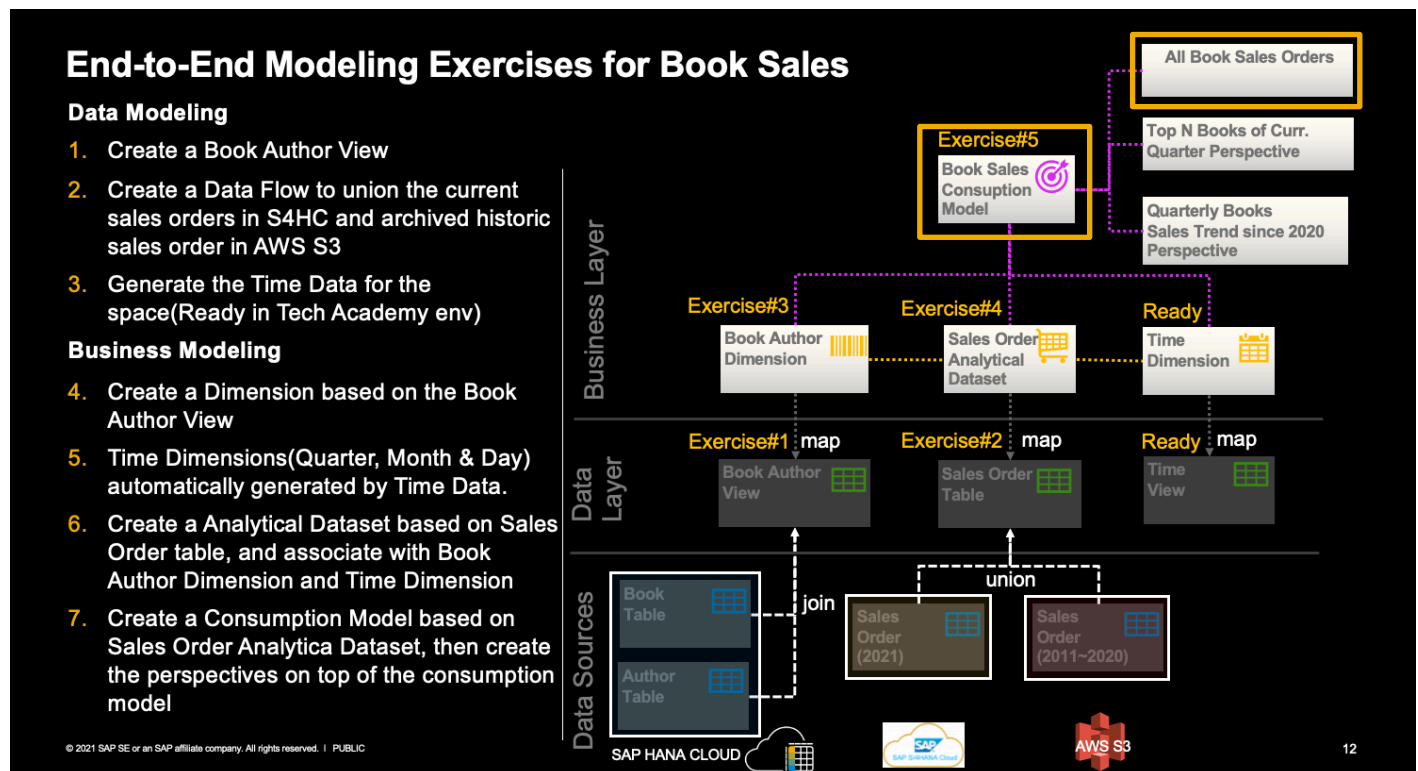
All functionality presented here is subject to change and may be changed by SAP at any time for any reason without notice.

OBJECTIVE

The objective of this exercise is to provide the steps needed to create a Consumption Model and Perspectives using Business Builder.

SCENARIO

In this session we will use the scenario as seen in Exercise#5 in the below image



In this session we will create a consumption model and perspective using Business Builder. We will use the All Book Sales Order analytical dataset.

ENVIRONMENT ACCESS – SAP DATA WAREHOUSE CLOUD

Before the exercise, please obtain the Tenant details and Login Credentials of SAP Data Warehouse Cloud provided to you as instruction below.

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.
- Your assigned user id and password for SAP Data Warehouse Cloud are communicated individually via email.

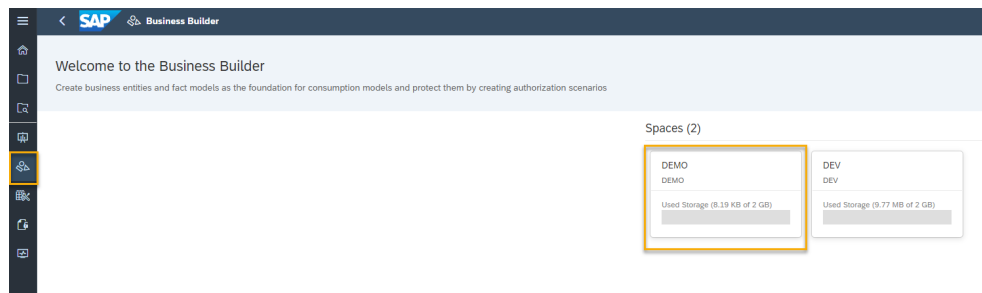
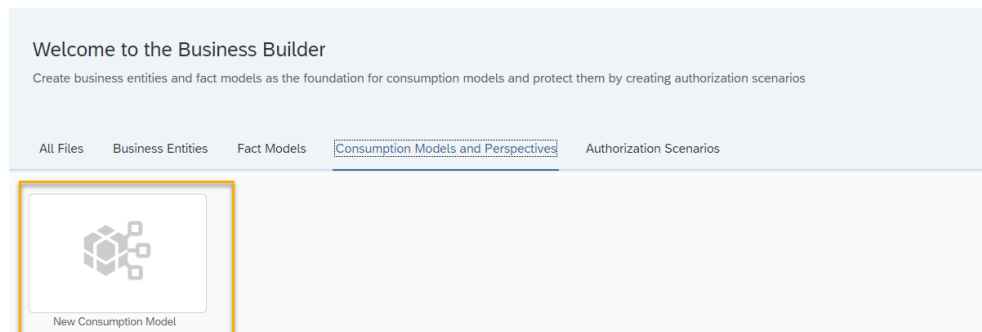
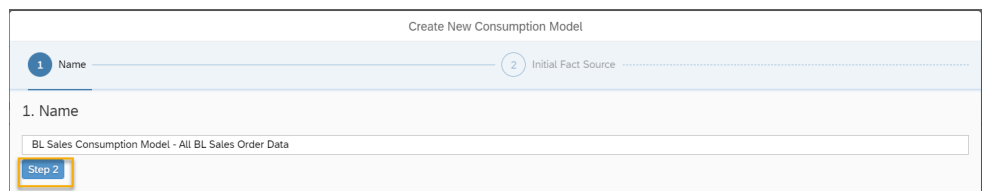
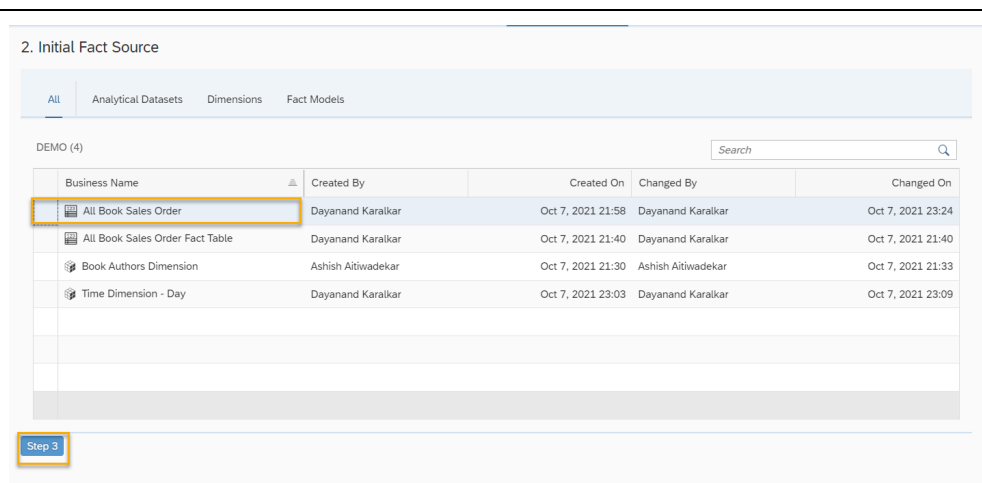
PREREQUISITES

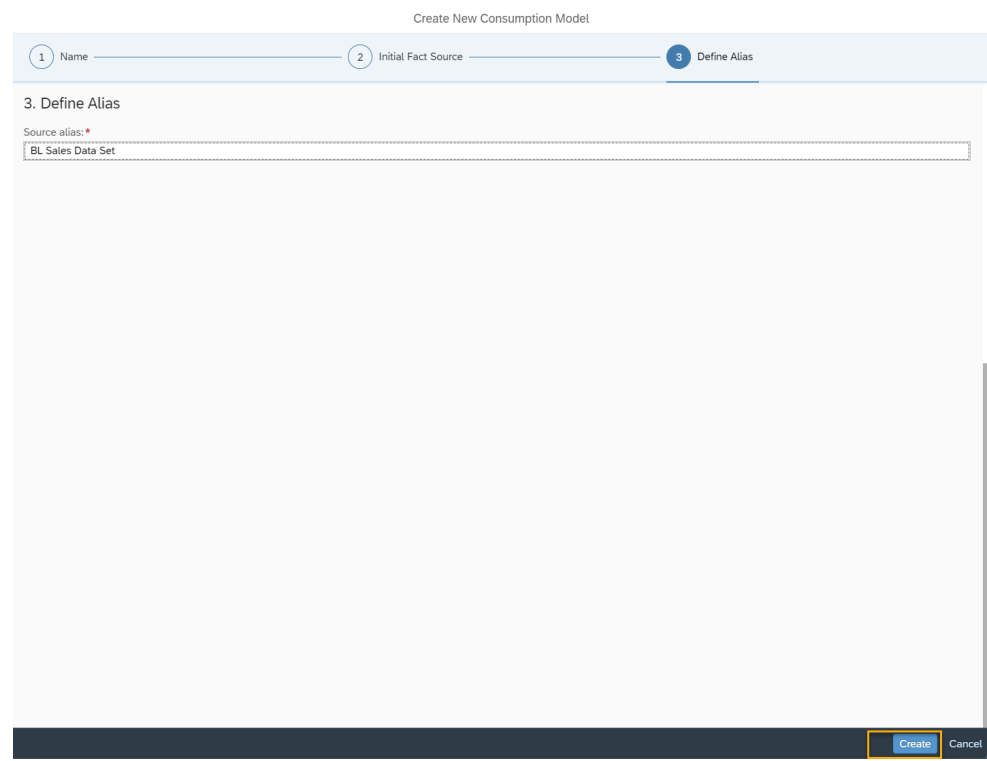
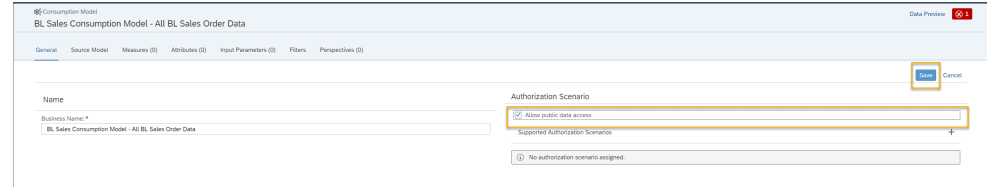
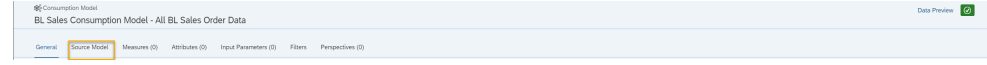
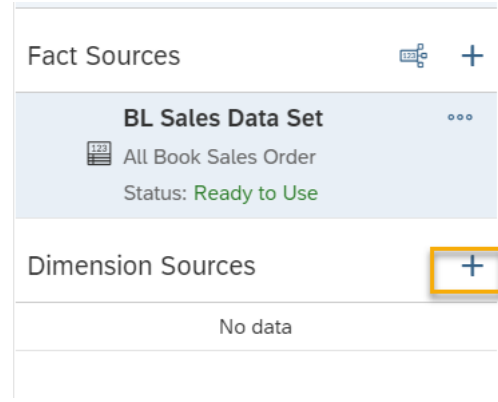
You have completed previous exercise.

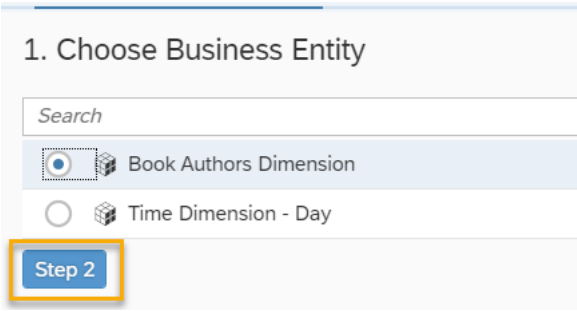

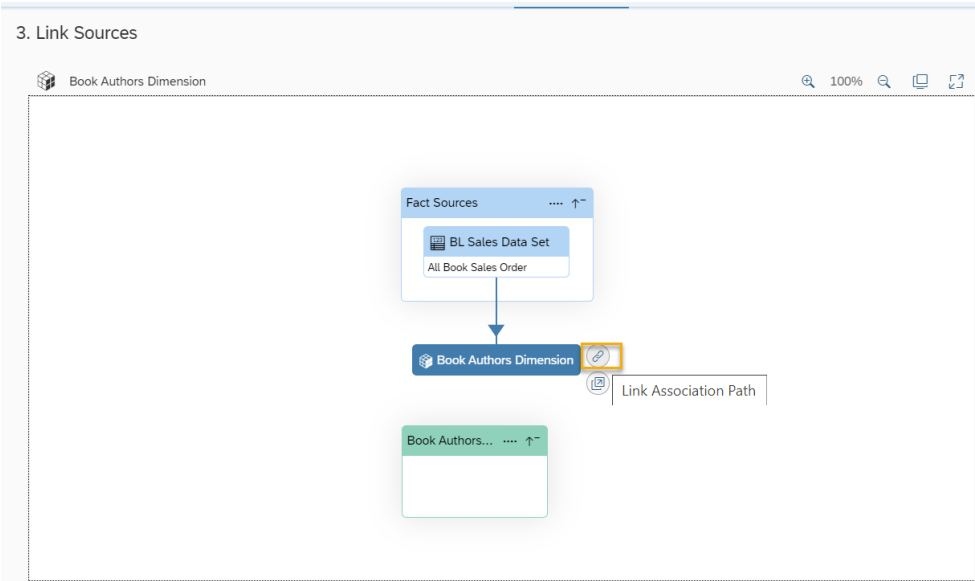
- DV200_Exercise03: Book_Author_Dimension and Time Dimension Day is created.
- DV200_Exercise04: Analytical Dataset about All Book Sales Order is created

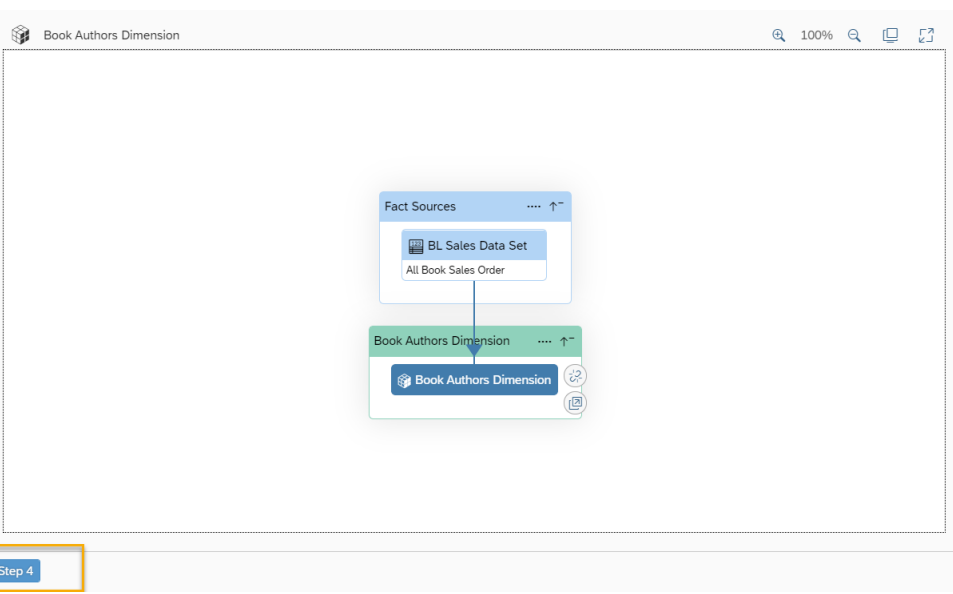
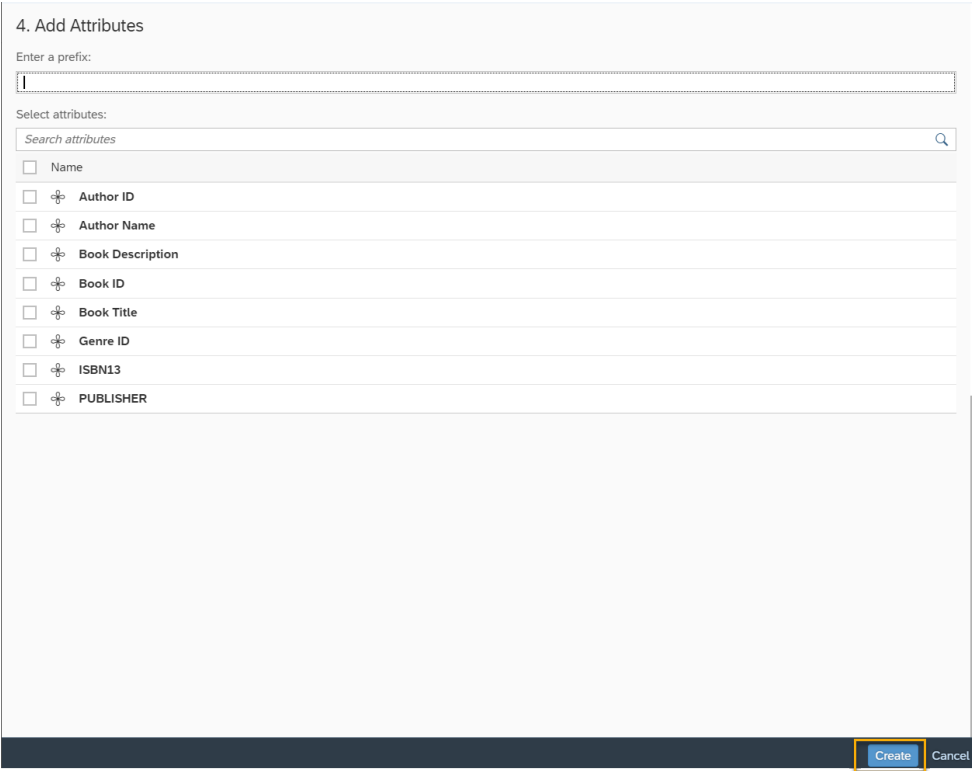
EXERCISE STEP DETAILS

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, you see the space that you are assigned to.	


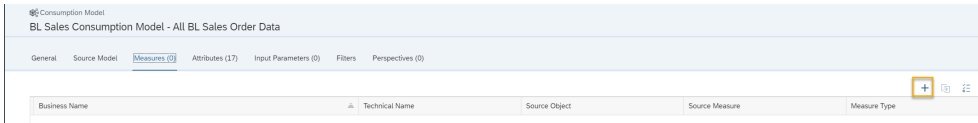
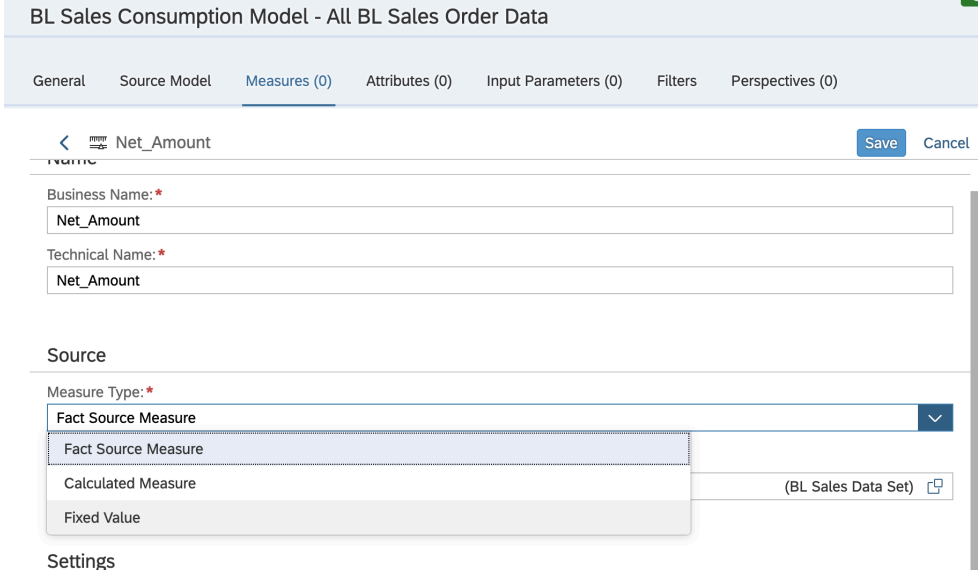
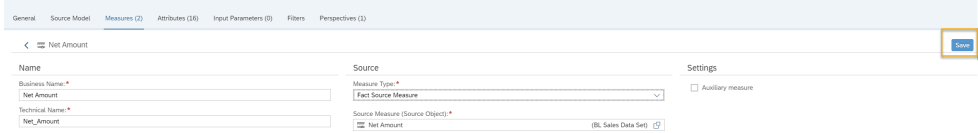

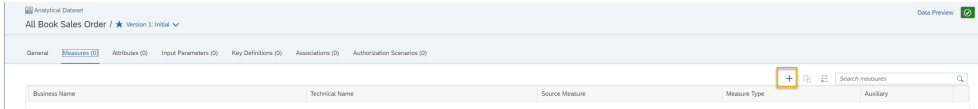

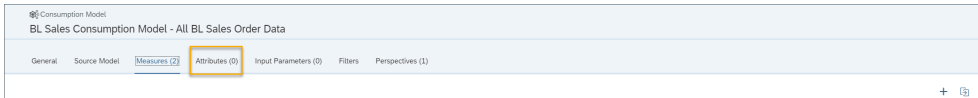
Explanation	Screenshot																									
Click on the Space																										
Click on Consumption Models and Perspectives → Select New Consumption Model																										
Enter name as BL Sales Consumption Model - All BL Sales Order Data and click Step 2																										
Select All Book Sales Order and Click Step 3	 <table><tr><th>Business Name</th><th>Created By</th><th>Created On</th><th>Changed By</th><th>Changed On</th></tr><tr><td>All Book Sales Order</td><td>Dayanand Karalkar</td><td>Oct 7, 2021 21:58</td><td>Dayanand Karalkar</td><td>Oct 7, 2021 23:24</td></tr><tr><td>All Book Sales Order Fact Table</td><td>Dayanand Karalkar</td><td>Oct 7, 2021 21:40</td><td>Dayanand Karalkar</td><td>Oct 7, 2021 21:40</td></tr><tr><td>Book Authors Dimension</td><td>Ashish Aitiwadekar</td><td>Oct 7, 2021 21:30</td><td>Ashish Aitiwadekar</td><td>Oct 7, 2021 21:33</td></tr><tr><td>Time Dimension - Day</td><td>Dayanand Karalkar</td><td>Oct 7, 2021 23:03</td><td>Dayanand Karalkar</td><td>Oct 7, 2021 23:09</td></tr></table>	Business Name	Created By	Created On	Changed By	Changed On	All Book Sales Order	Dayanand Karalkar	Oct 7, 2021 21:58	Dayanand Karalkar	Oct 7, 2021 23:24	All Book Sales Order Fact Table	Dayanand Karalkar	Oct 7, 2021 21:40	Dayanand Karalkar	Oct 7, 2021 21:40	Book Authors Dimension	Ashish Aitiwadekar	Oct 7, 2021 21:30	Ashish Aitiwadekar	Oct 7, 2021 21:33	Time Dimension - Day	Dayanand Karalkar	Oct 7, 2021 23:03	Dayanand Karalkar	Oct 7, 2021 23:09
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Time Dimension - Day	Dayanand Karalkar	Oct 7, 2021 23:03	Dayanand Karalkar	Oct 7, 2021 23:09																						


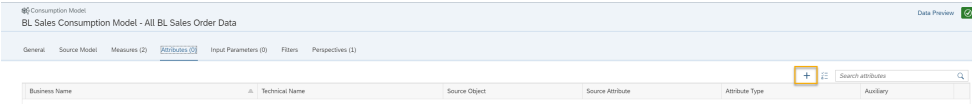
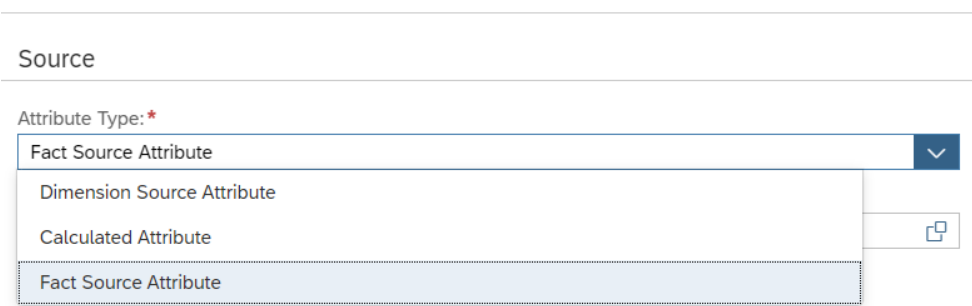
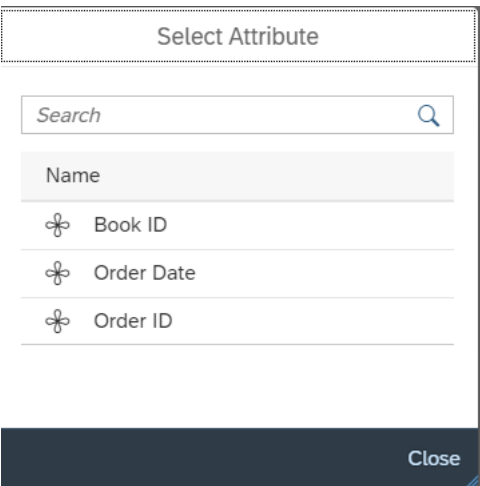
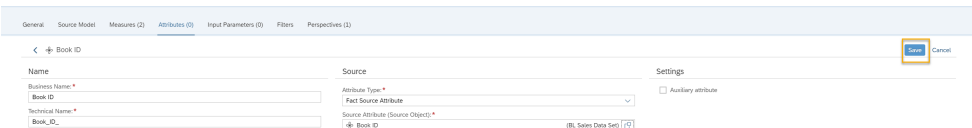
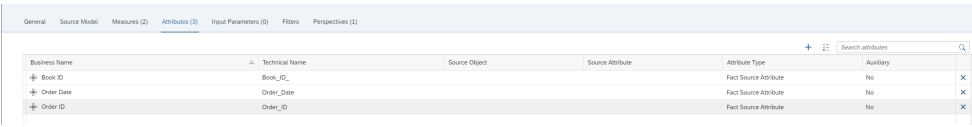

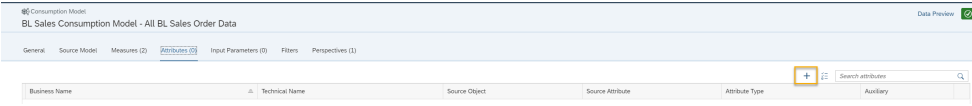
Explanation	Screenshot
Enter Alias as BL Sales Data Set and click Create	
In the General tab check the Allow public data access check box in the Authorization Scenario. Click Save	
Click on Source Model	
Click + In the Dimension Source to add dimension Association	


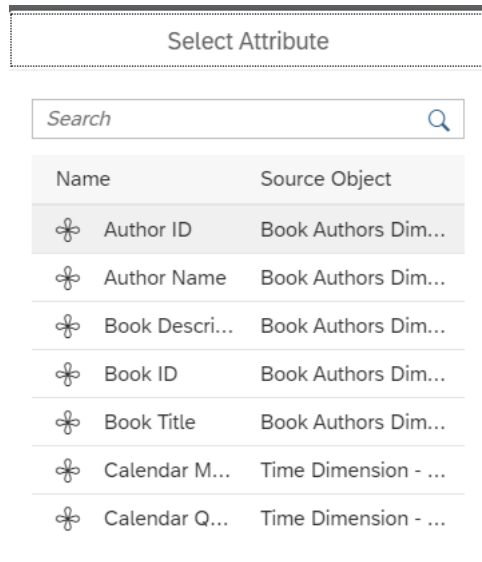

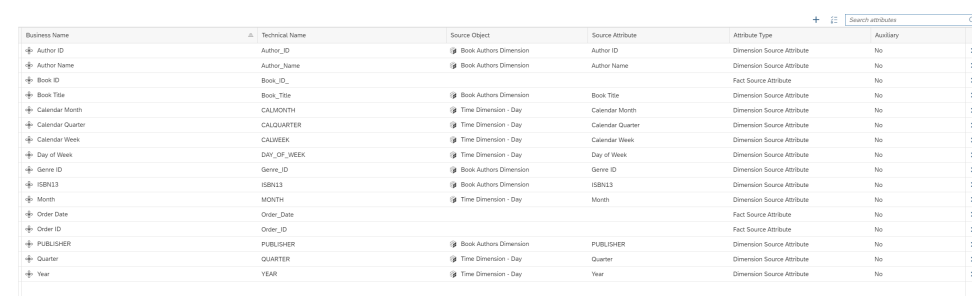
Explanation	Screenshot
Select Book Authors Dimension and click on Step2	
Keep the proposed Alias Name and Click on Step 3	
Click on the Book Authors Dimension and click Link Association Path	

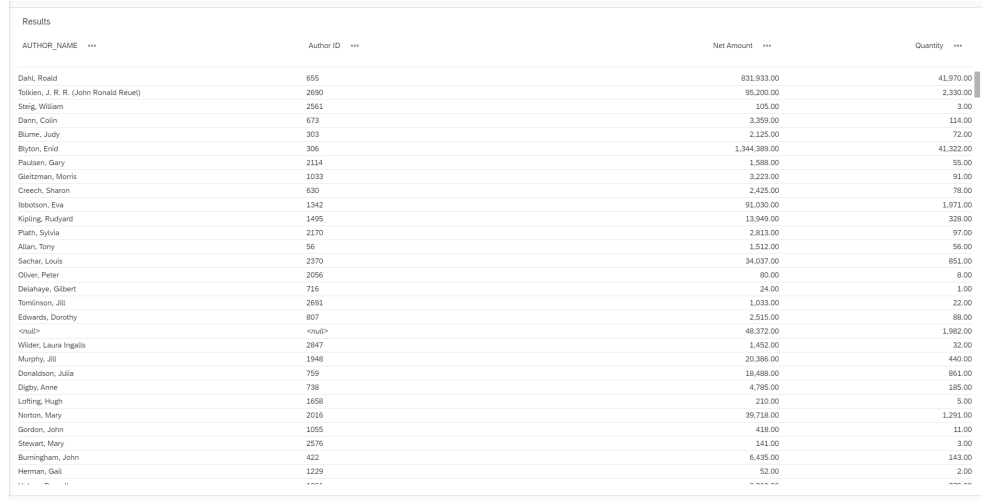
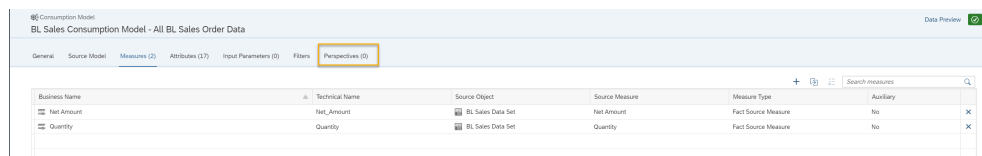
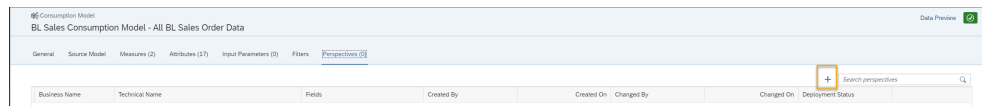
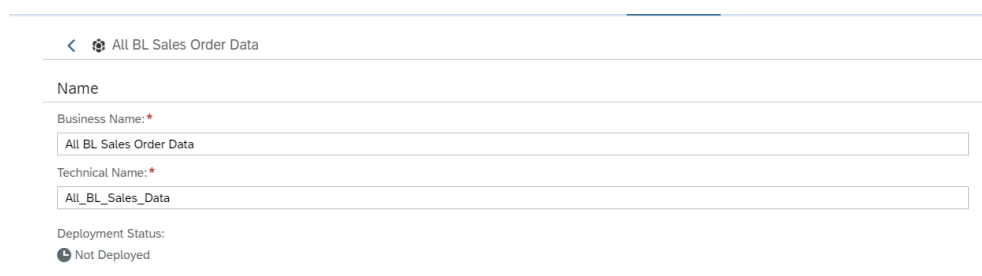
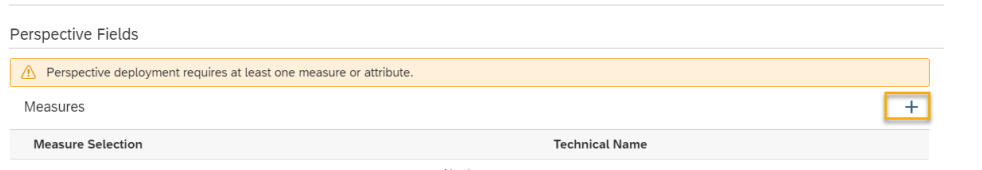
Explanation	Screenshot
<p>The Association is created. Click on Step 4</p>	
<p>click on Create</p>	

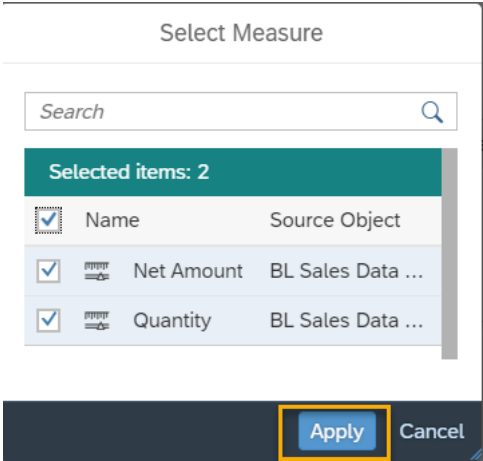

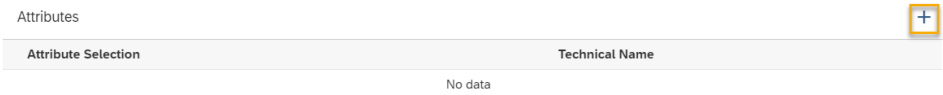
Explanation	Screenshot
<p>Repeat the Steps to add all Attributes of Time Dimension- Day</p>	<div data-bbox="521 268 1490 840"> <h3>3. Link Sources</h3> </div> <div data-bbox="521 898 1490 1675"> <h3>4. Add Attributes</h3> <p>Enter a prefix:</p> <p>Select attributes:</p> <p>Search attributes</p> <ul style="list-style-type: none"> <input type="checkbox"/> Name <input type="checkbox"/> Calendar Month <input type="checkbox"/> Calendar Quarter <input type="checkbox"/> Calendar Week <input type="checkbox"/> Date <input type="checkbox"/> Date (String) <input type="checkbox"/> Day of Week <input type="checkbox"/> Month <input type="checkbox"/> Quarter <input type="checkbox"/> Year <p>Create Cancel</p> </div>
<p>Click on Measures</p>	<div data-bbox="521 1717 1490 1833"> <h3>Consumption Model</h3> <h4>BL Sales Consumption Model - All BL Sales Order Data</h4> <p>General Source Model Measures (0) Attributes (17) Input Parameters (0) Filters Perspectives (0)</p> </div>

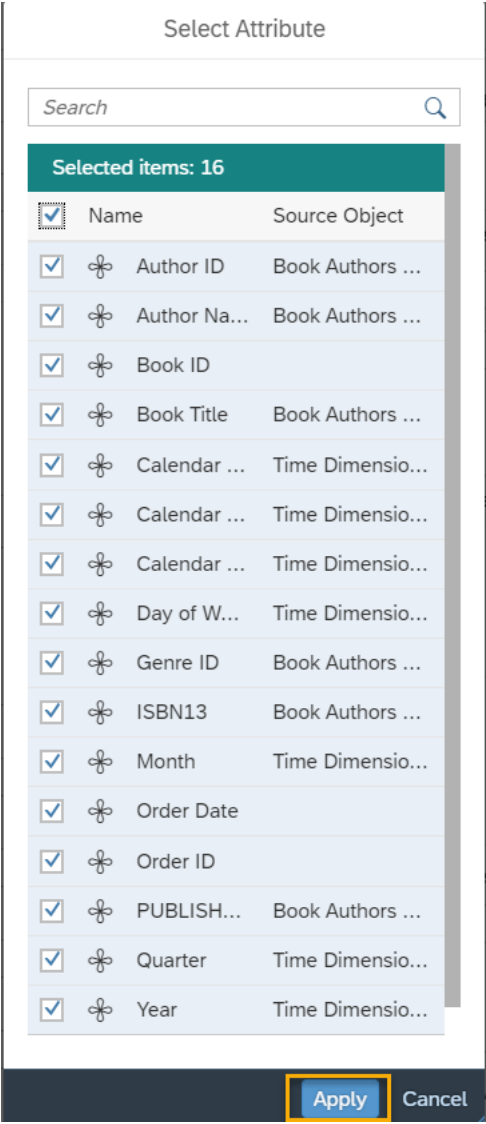
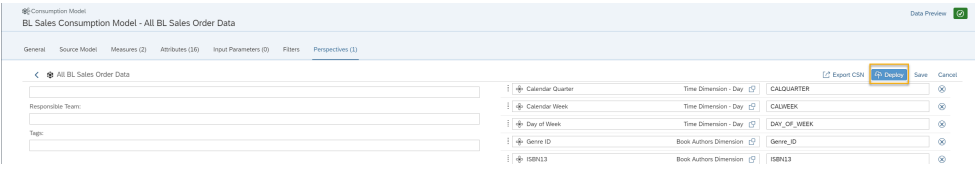
Explanation	Screenshot
Click  to add new Measure	
In the Source, select Measure Type as FACT Source Measure and Select Net_Amount	
Enter Business Name, Technical Name and Click on Save	
Click  to add Measures	
In the Source, select Measure Type as FACT Source Measure and Select Quantity.	
Click on Attributes	

Explanation	Screenshot
Click  to add new attributes	
In Source, In the Attributes Type select Fact Source Attribute	
Select Attribute BOOK ID	
Click on Save	
Repeat the steps to add Order Date and Order ID attributes	
Click  to add new attributes	

Explanation	Screenshot
In Source, In the Attributes Type select Dimension Source Attribute Source Attribute	
Select Attribute Author ID	
Click on Save	
Repeat the same steps to add below attributes from dimension source Author ID Author Name Book Title Publisher ISBN13 Genre ID Calendar Month Calendar Quarter Calendar Week Month Quarter Year	

Explanation	Screenshot
Day of Week	
Click on Data Preview.	
Click on Data Preview again to navigate back to the Consumption Model	
Click on Perspective	
Click + to add new Perspective	
Enter Business Name as All BL Sales Order Data, Technical Name	
Click + to add Measures	

Explanation	Screenshot
Select All Measures and Click Apply	
Click  to add Attributes	

Explanation	Screenshot
Select all and click Apply	
Click on Save and Deploy	

Explanation

Click on Data Preview

Screenshot

Results

AUTHOR_NAME	Author ID	Net Amount	Quantity
Dahl, Roald	655	831,933.00	41,970.00
Tolkien, J. R. R. (John Ronald Reuel)	2690	95,200.00	2,330.00
Steig, William	2561	105.00	3.00
Dann, Colin	673	3,359.00	114.00
Blume, Judy	303	2,125.00	72.00
Bylton, Enid	306	1,344,389.00	41,322.00
Paulsen, Gary	2114	1,598.00	55.00
Gertzman, Morris	1053	3,223.00	91.00
Creech, Sharon	630	2,425.00	76.00
Ibbotson, Eva	1342	91,030.00	1,971.00
Kipling, Rudyard	1495	13,949.00	328.00
Plath, Sylvia	2170	2,813.00	97.00
Allan, Tony	56	1,512.00	56.00
Sachar, Louis	2370	34,037.00	851.00
Oliver, Peter	2056	80.00	8.00
DeLahaye, Gilbert	715	24.00	1.00
Tomlinson, Jill	2691	1,033.00	22.00
Edwards, Dorothy	807	2,515.00	88.00