



INTERNAL

SAP Data Warehouse Cloud hands-on exercises

This document will guide you step by step on the process of creating a Graphical view in SAP Data Warehouse Cloud

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DISCLAIMER

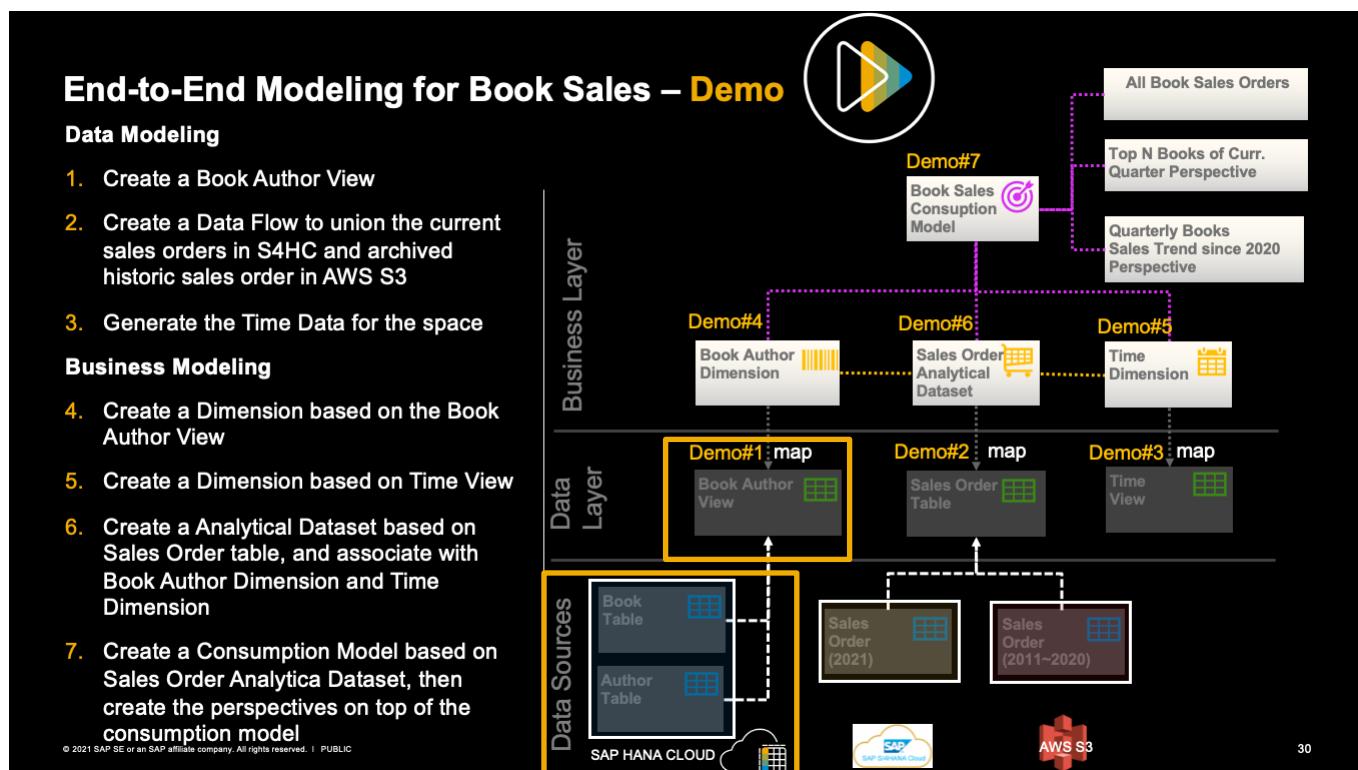
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OBJECTIVE

The objective of this exercise is to provide the steps needed to create a Graphical View using SAP HANA Cloud as a source.

SCENARIO

In this session we will use the scenario as seen in Demo #1 in the below image



In this session we will create a Graphical View using Data Builder. We will use the SAP HANA Cloud connection which has the Book and Author data. The view will use two tables SAP_CAPIRE_BOOKSHOP_AUTHORS and AUTHORS and SAP_CAPIRE_BOOKSHOP_BOOKS.

ENVIRONMENT ACCESS – SAP DATA WAREHOUSE CLOUD

The development environment we will use for the hand-on exercises will be SAP Data Warehouse Cloud
SAP Data Warehouse Cloud

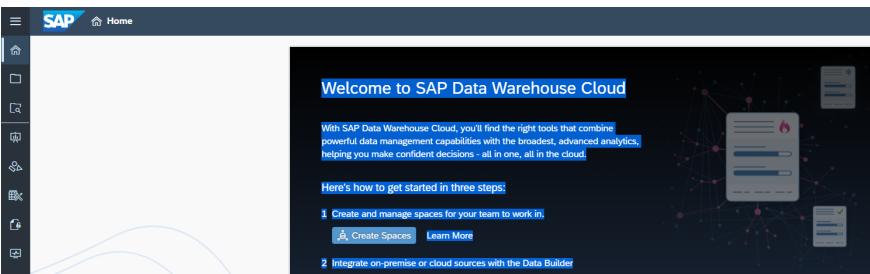
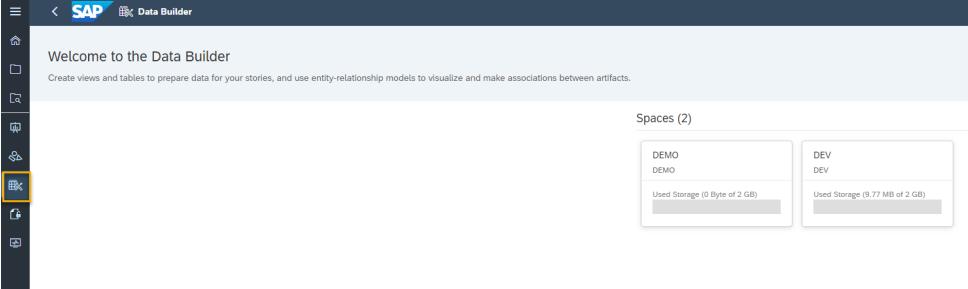
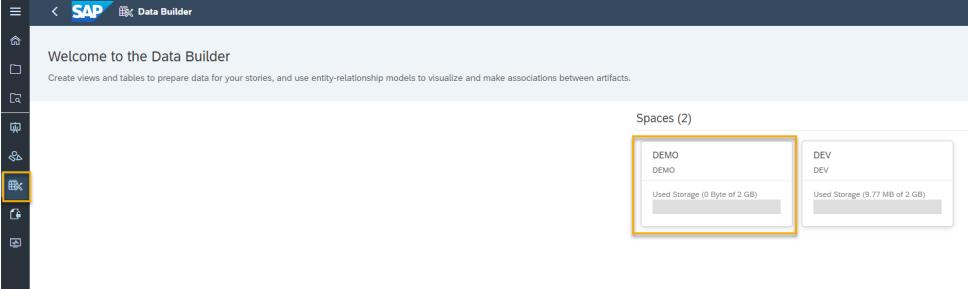
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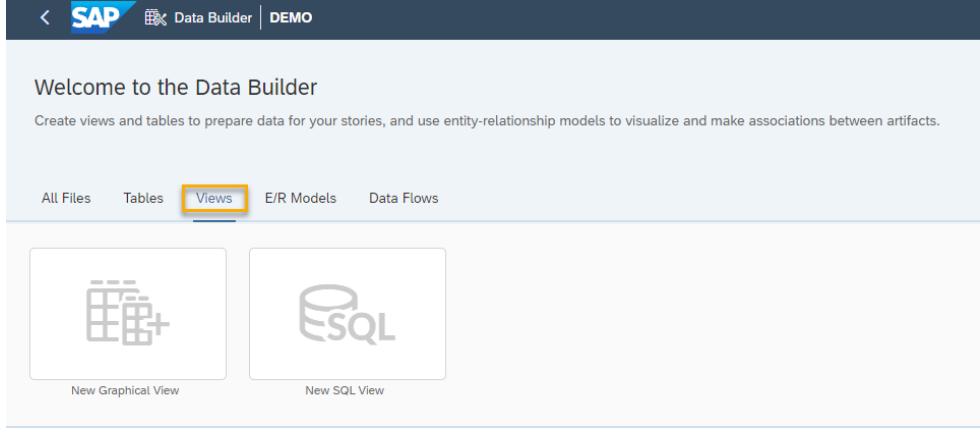
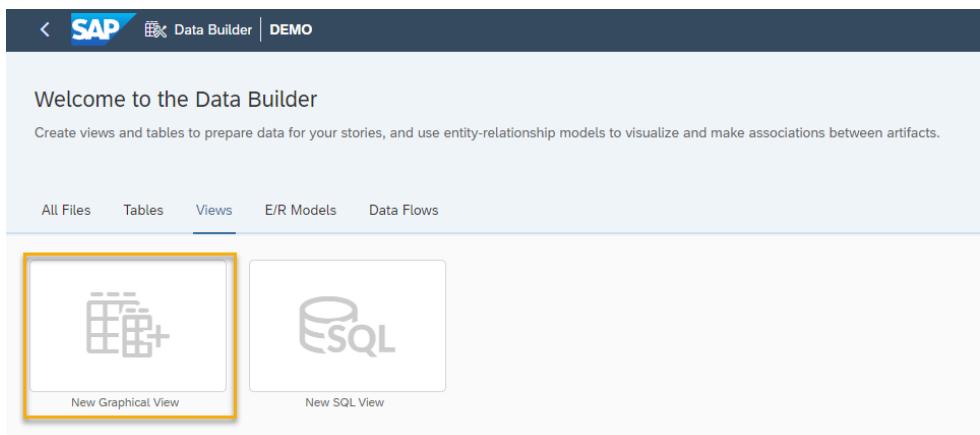
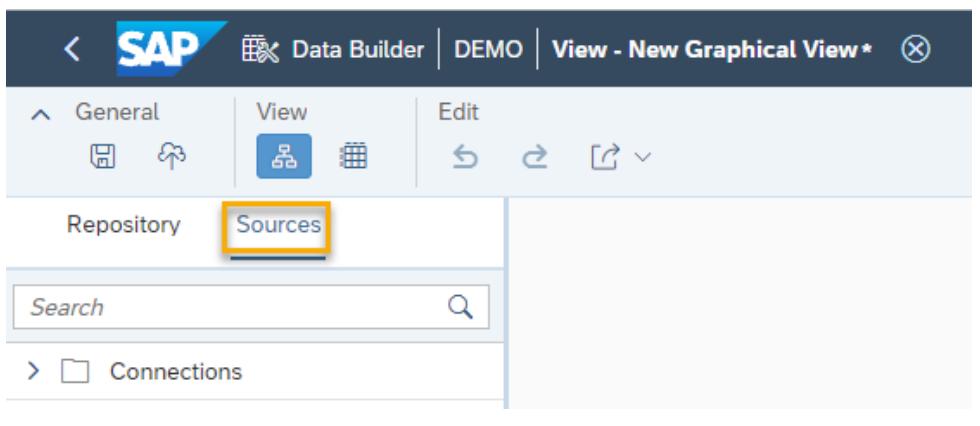
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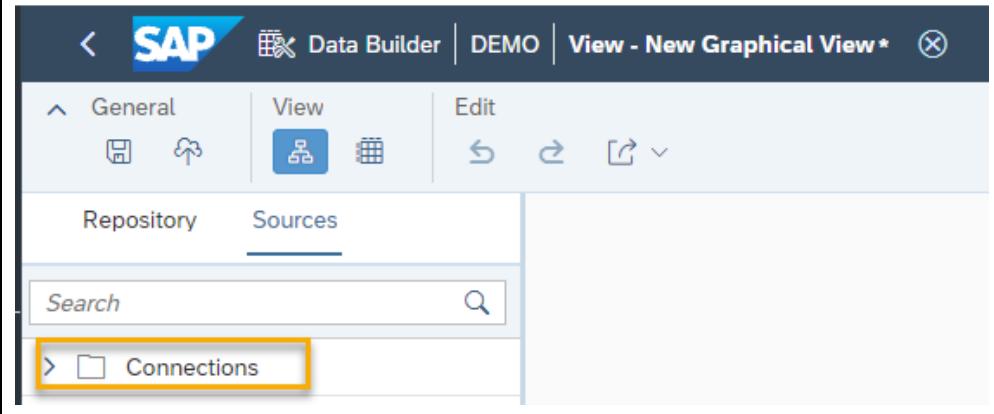
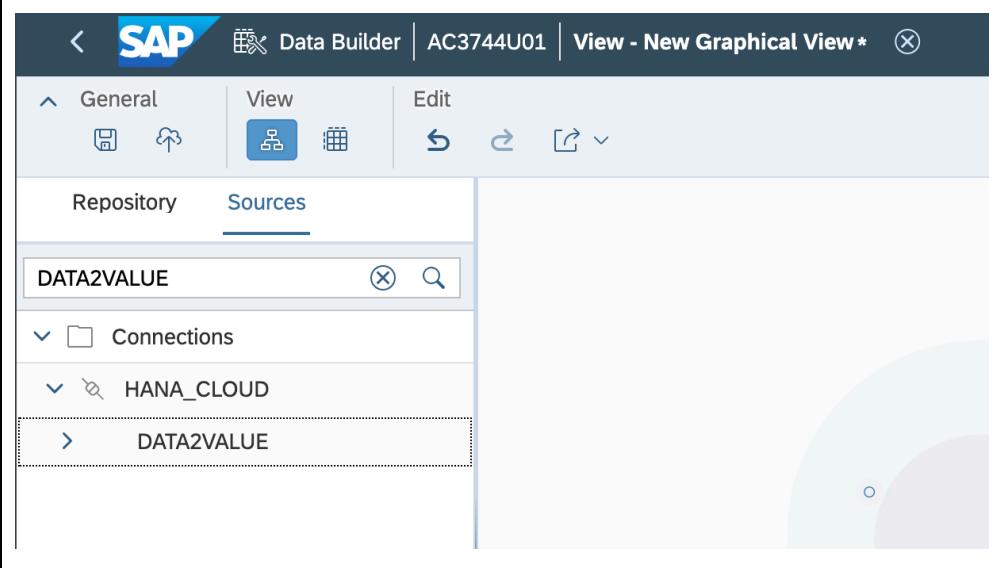
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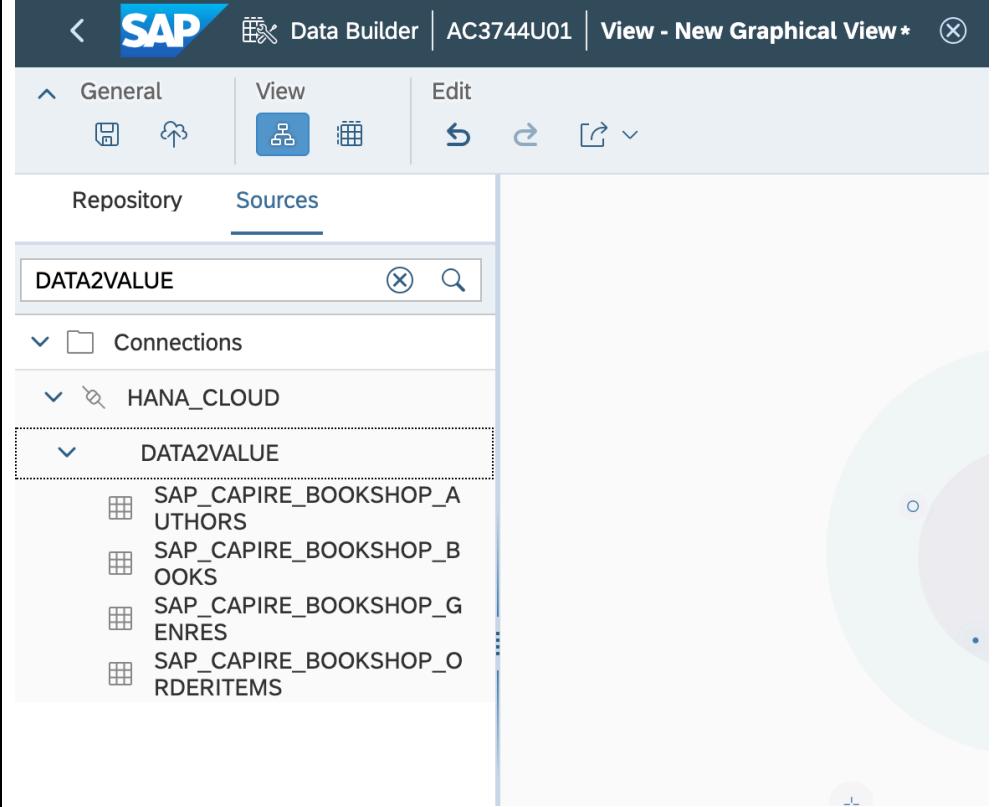
Space: Space assigned to you.

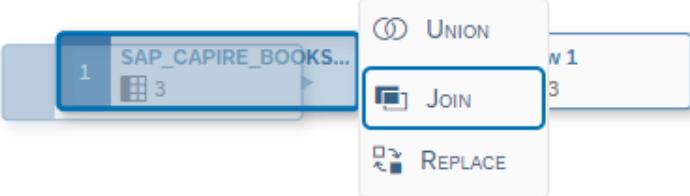
Prerequisites – SAP HANA Cloud connection is active.

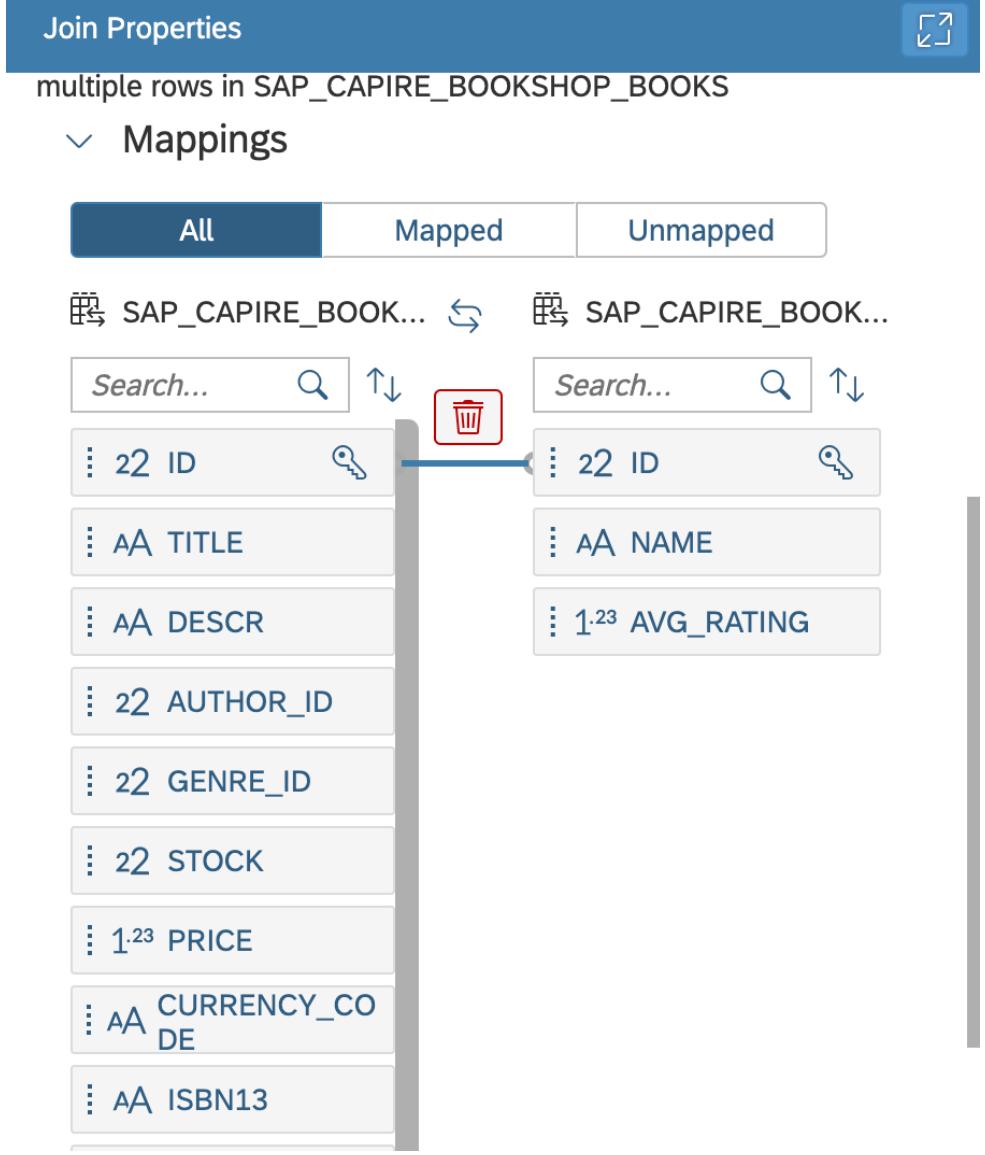
Explanation	Screenshot
You are Logged in to SAP Data Warehouse Cloud and are in the home page	
Click on the Data Builder icon, you see the space that you are assigned to.	
Click on the Space	

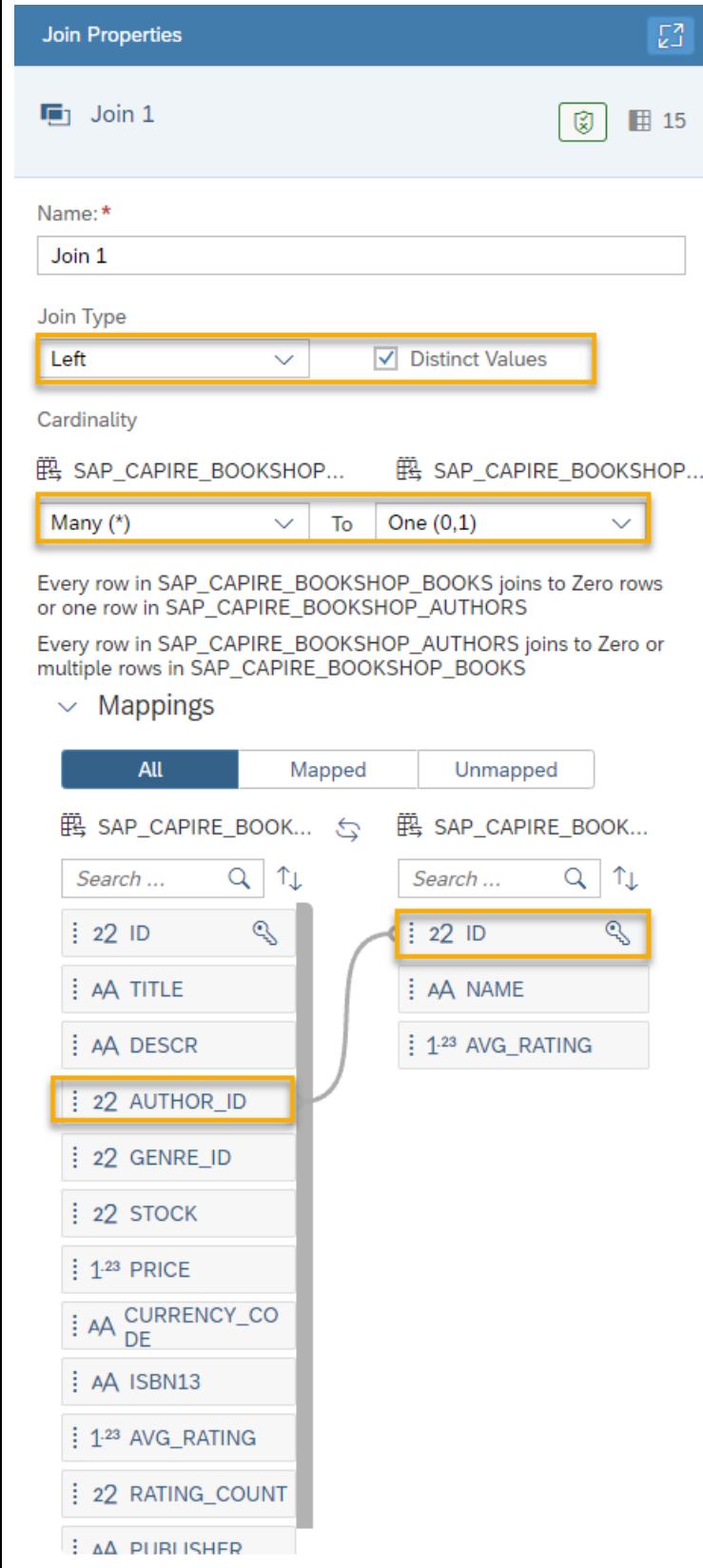
Explanation	Screenshot
Click on Views	
Select New Graphical View	
Navigate to Sources	

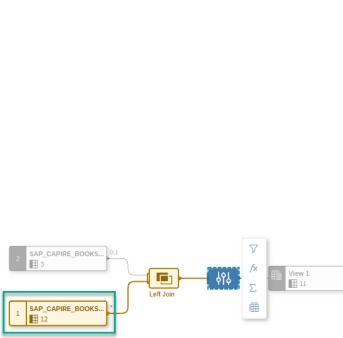
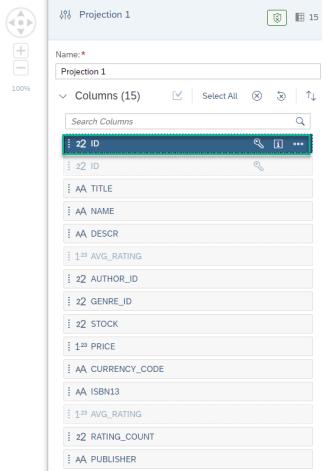
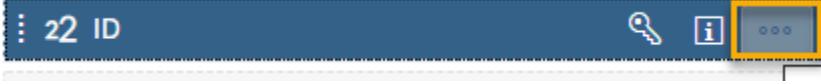
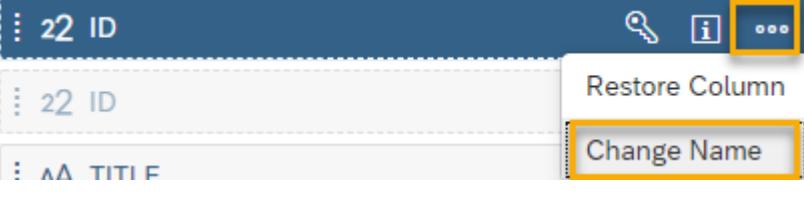
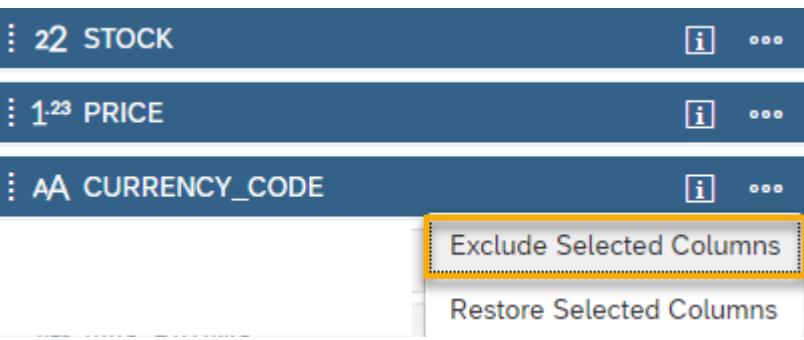
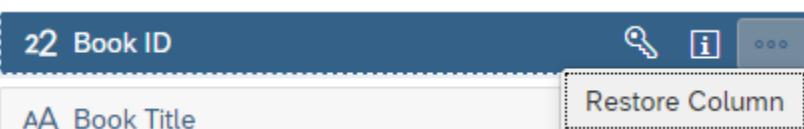
Explanation	Screenshot
Open the Connections	
Open the Connection (SAP HC Demo) and in the Search provide the name of the Container(Schema)	

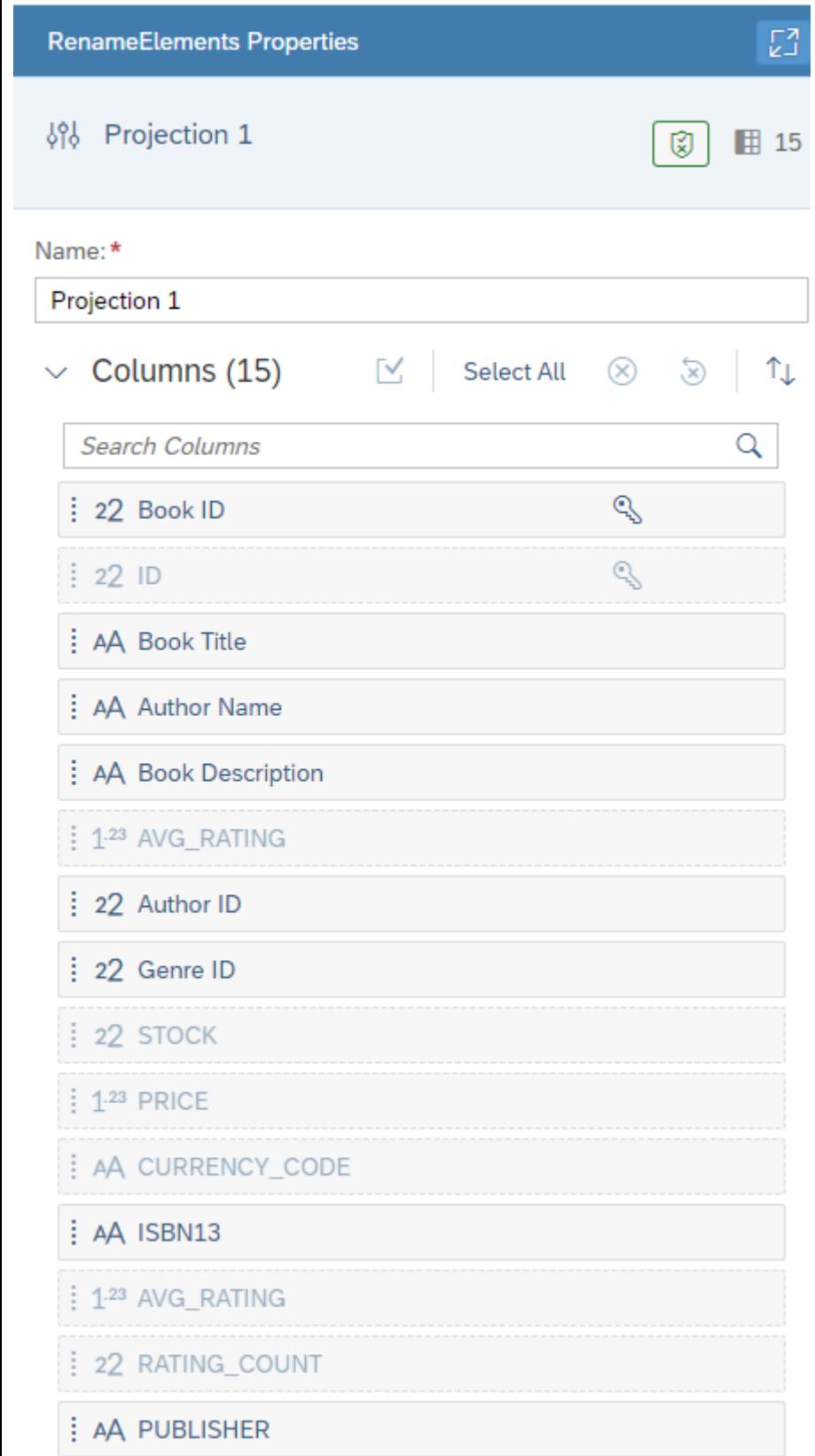
Explanation	Screenshot
Open the schema	
<p>Select the table SAP_CAPIRE_BOOKSHOP_AUTHORS and drag to the Canvas.</p> <p>Accept the Business as Technical name as shown or change if needed.</p> <p>Click on Import and Deploy</p> <p>Watch out for the message for successful deployment.</p>	<p>Import Table</p> <p>Business Name: SAP_CAPIRE_BOOKSHOP_AUTHORS</p> <p>Technical Name: SAP_CAPIRE_BOOKSHOP_AUTHORS</p> <p style="text-align: right;">Import and Deploy Cancel</p>

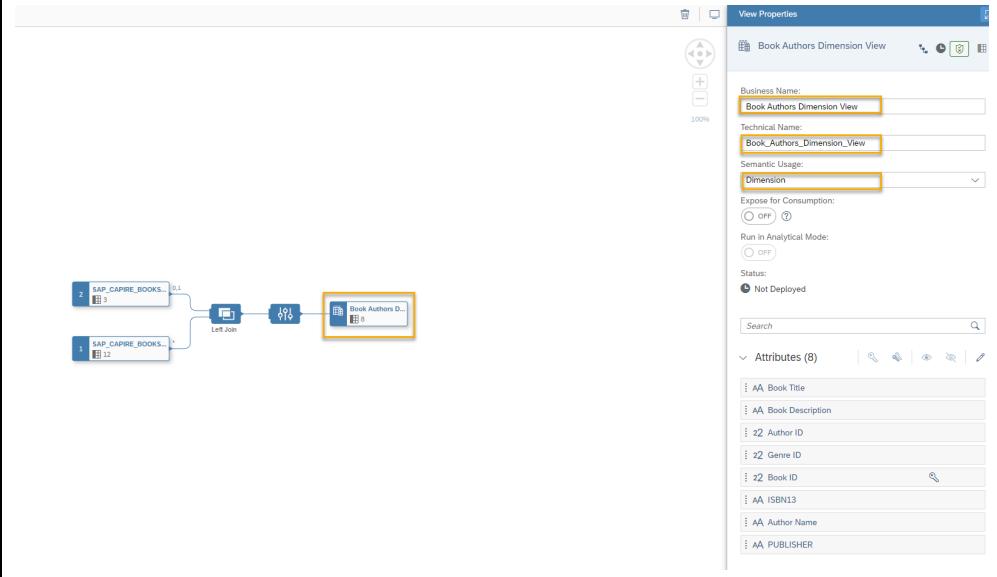
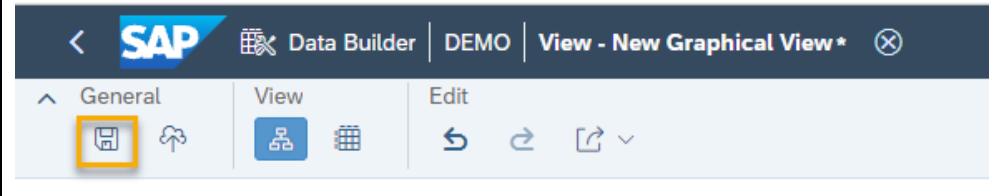
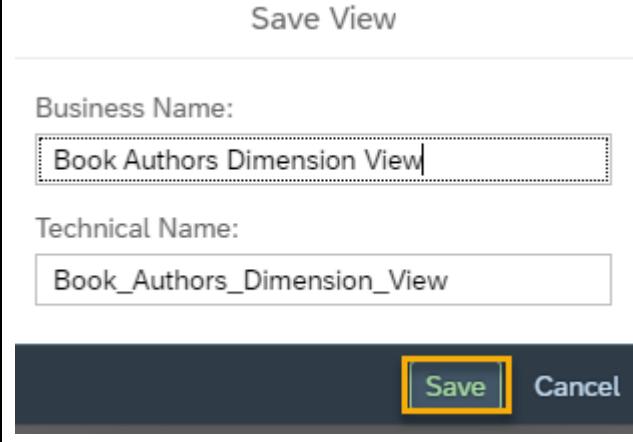
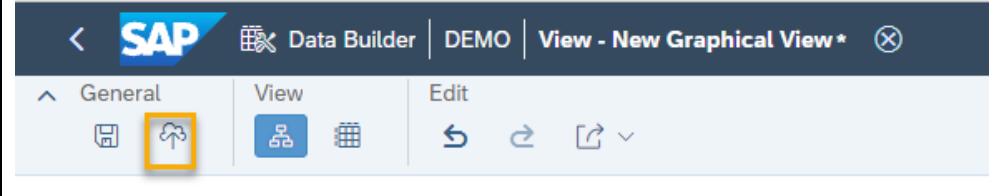
Explanation	Screenshot
<p>The table will be linked to the output as shown.</p>	
<p>Select the table SAP_CAPIRE_BOOKSHOP_BOOKS and drag to the Canvas and place it on the SAP_CAPIRE_BOOKSHOP_P_AUTHORS table. System provides a option to join</p>	
<p>Accept the Business as Technical name as shown or change if needed. Click on Import and Deploy Watch out for the message for successful deployment.</p>	<p>Import Table</p> <hr/> <p>Business Name: <input type="text" value="SAP_CAPIRE_BOOKSHOP_BOOKS"/></p> <p>Technical Name: <input type="text" value="SAP_CAPIRE_BOOKSHOP_BOOKS"/></p> <p><input type="button" value="Import and Deploy"/> <input type="button" value="Cancel"/></p>

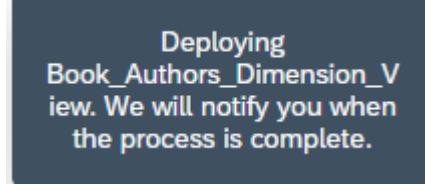
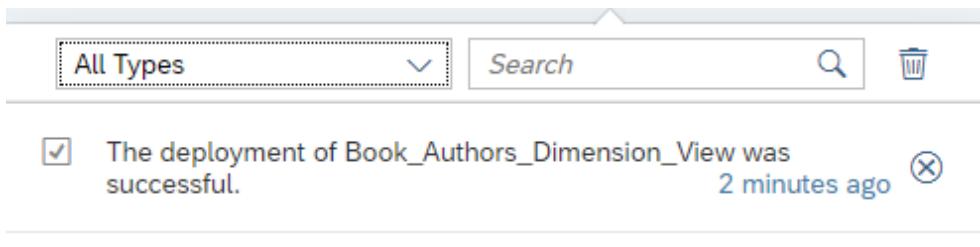
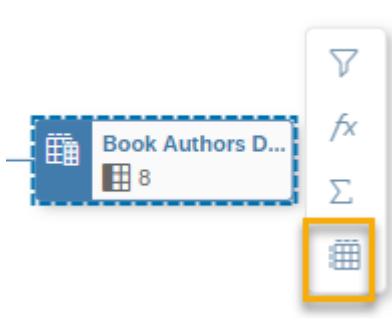
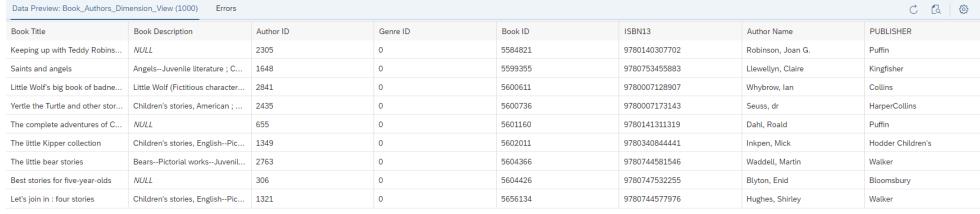
Explanation	Screenshot
<p>Select Left outer join and update the Cardinality.</p> <p>Initially the join is on the column ID.</p> <p>Delete the Join by selecting the mapping and clicking the Delete button.</p>	 <p>The screenshot shows the 'Join Properties' screen with the 'Mappings' tab selected. There are two tables listed: 'SAP_CAPIRE_BOOK...' and 'SAP_CAPIRE_BOOK...'. Under each table, there is a search bar and a key icon. Below the search bars are several columns, each with a key icon. A blue arrow points from the 'AA_ID' column in the left table to the 'AA_ID' column in the right table. A red box highlights the delete icon (a trash can) located next to this specific mapping.</p>

Explanation	Screenshot																																										
<p>Change the Mapping as shown here. To Map Select the source object and drag to the target object.</p>	 <p>Join Properties</p> <p>Join 1</p> <p>Name: * Join 1</p> <p>Join Type: Left <input checked="" type="checkbox"/> Distinct Values</p> <p>Cardinality: Many (*) To One (0,1)</p> <p>Every row in SAP_CAPIRE_BOOKSHOP_BOOKS joins to Zero rows or one row in SAP_CAPIRE_BOOKSHOP_AUTHORS</p> <p>Every row in SAP_CAPIRE_BOOKSHOP_AUTHORS joins to Zero or multiple rows in SAP_CAPIRE_BOOKSHOP_BOOKS</p> <p>Mappings</p> <table border="1"> <thead> <tr> <th>All</th> <th>Mapped</th> <th>Unmapped</th> </tr> </thead> <tbody> <tr> <td>SAP_CAPIRE_BOOK... </td> <td>SAP_CAPIRE_BOOK... </td> <td></td> </tr> <tr> <td>22 ID </td> <td>22 ID </td> <td></td> </tr> <tr> <td>AA TITLE</td> <td>AA NAME</td> <td></td> </tr> <tr> <td>AA DESCRIPT</td> <td>1²³ AVG_RATING</td> <td></td> </tr> <tr> <td>22 AUTHOR_ID </td> <td></td> <td></td> </tr> <tr> <td>22 GENRE_ID</td> <td></td> <td></td> </tr> <tr> <td>22 STOCK</td> <td></td> <td></td> </tr> <tr> <td>1²³ PRICE</td> <td></td> <td></td> </tr> <tr> <td>AA CURRENCY_CODE</td> <td></td> <td></td> </tr> <tr> <td>AA ISBN13</td> <td></td> <td></td> </tr> <tr> <td>1²³ AVG_RATING</td> <td></td> <td></td> </tr> <tr> <td>22 RATING_COUNT</td> <td></td> <td></td> </tr> <tr> <td>AA PUBLISHER</td> <td></td> <td></td> </tr> </tbody> </table>	All	Mapped	Unmapped	SAP_CAPIRE_BOOK...	SAP_CAPIRE_BOOK...		22 ID	22 ID		AA TITLE	AA NAME		AA DESCRIPT	1 ²³ AVG_RATING		22 AUTHOR_ID			22 GENRE_ID			22 STOCK			1 ²³ PRICE			AA CURRENCY_CODE			AA ISBN13			1 ²³ AVG_RATING			22 RATING_COUNT			AA PUBLISHER		
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Explanation	Screenshot
<p>Click on Projection icon</p>  <p>Here we must rename few columns and hide few columns. To ensure you are changing the expected column select the column in the projection view and in the canvas check on the mapping for the source</p>	 
<p>To rename the column names select the icon</p> 	
<p>Select Change Name option</p>	
<p>To Exclude the columns Either Select one or Multiple columns and select the Exclude Selected column option</p>	
<p>To Restore columns, select the column and choose Restore Column option</p>	

Explanation	Screenshot
<p>After the changes we should have the Columns for output as shown here.</p> <p>The greyed ones are the hidden ones but remain in the list, this is OK.</p>	 <p>RenameElements Properties</p> <p>Projection 1</p> <p>Name: * <input type="text" value="Projection 1"/></p> <p>Columns (15) <input checked="" type="checkbox"/> Select All <input type="button" value="X"/> <input type="button" value="X"/> <input type="button" value="↑↓"/></p> <p>Search Columns <input type="text"/> <input type="button" value="🔍"/></p> <ul style="list-style-type: none"> z2 Book ID <input type="button" value="key"/> z2 ID <input type="button" value="key"/> AA Book Title AA Author Name AA Book Description 1-23 AVG_RATING z2 Author ID z2 Genre ID z2 STOCK 1-23 PRICE AA CURRENCY_CODE AA ISBN13 1-23 AVG_RATING z2 RATING_COUNT AA PUBLISHER

Explanation	Screenshot
<p>In the central canvas select the output view and change the definition in the output view as shown</p>	
<p>Click Save</p>	
<p>Confirm the Name and click Save</p>	
<p>Click Deploy</p>	

Explanation	Screenshot
You will see a message below as shown	
You receive an notification of the status.	
Click on Notification check the details.	
You can check the output using the Data Preview option.	
Output	
You can also check for the deployed objects by Navigating to Data Builder→ Select Space→ Go to All Files	