

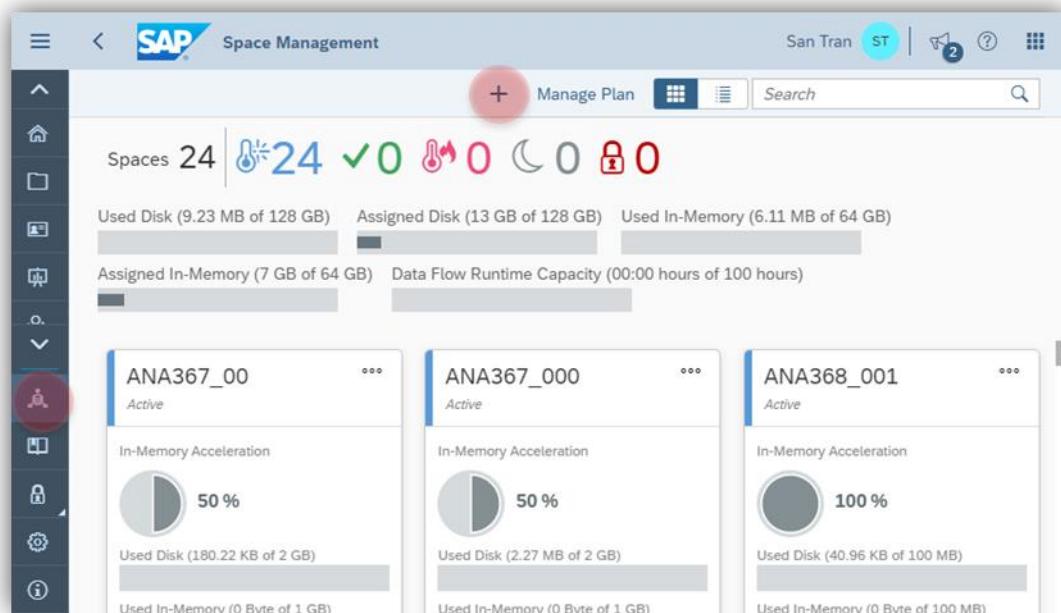


ANA-366 - Exercise 1/2

Prerequisites.....	2
Exercise 1: Sales Pipeline per Quarter.....	4
Exercise 1-1: Upload CSV File <i>Products.csv</i>	4
Exercise 1-2: Upload CSV File <i>SalesPipeline.csv</i>	5
Exercise 1-3: Generate Time Data	7
Exercise 1-4: Create Business Entity – Product	9
Exercise 1-5: Create Business Entity – Time Day.....	12
Exercise 1-6: Create Business Entity – Sales Pipeline.....	14
Exercise 1-7: Create Consumption Model – Sales Pipeline per Quarter.....	21
Exercise 1-8: Create Story – Sales Pipeline per Quarter.....	28

Prerequisites

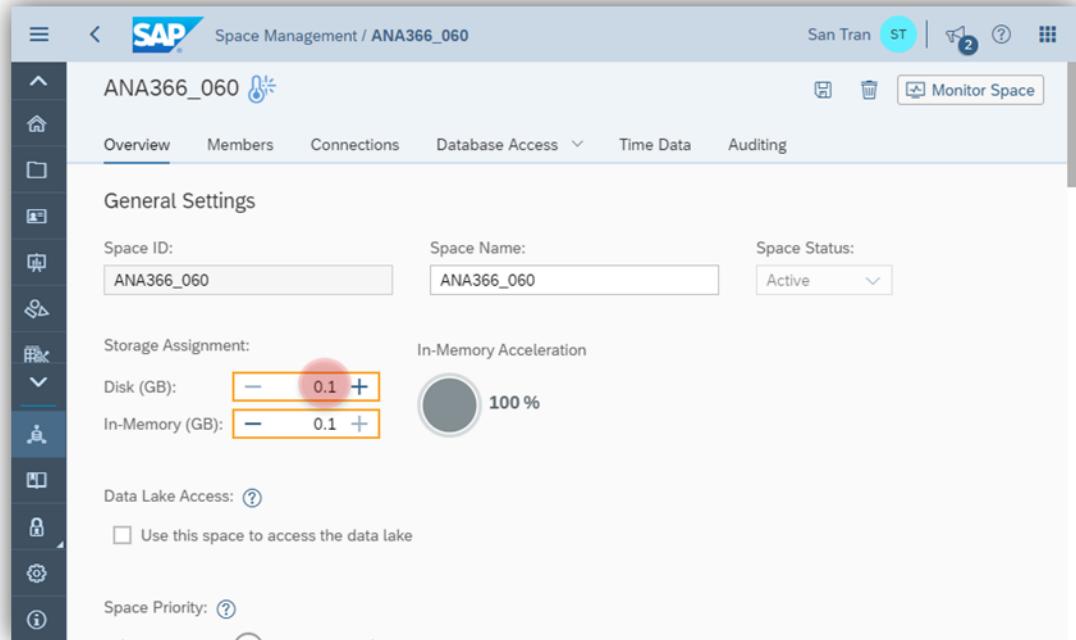
- 1.) Download the CSV File Dataset from:
<https://github.com/SAP-samples/tech2020-ANA366>
- 2.) Get a SAP Data Warehouse Tenant
 - a. During the TechEd 2020 event on the 10th December 2020, there will be dedicated tenants provided for registered participants. Please contact your instructor of the workshop to get access to the SAP DWC tenant.
 - b. After the TechEd event the tenants won't be available. For that you can apply for a 30-Days free Trial Tenant under the following link
<https://saphanajourney.com/data-warehouse-cloud/trial/>
- 3.) Create space for your exercises
 - a. Navigate to Space Management and click on the 'Create Space'-Button



- b. Enter a new Space Name should be same as your User, which you can get from your instructor during the workshop, e.g.: **ANA366_060**

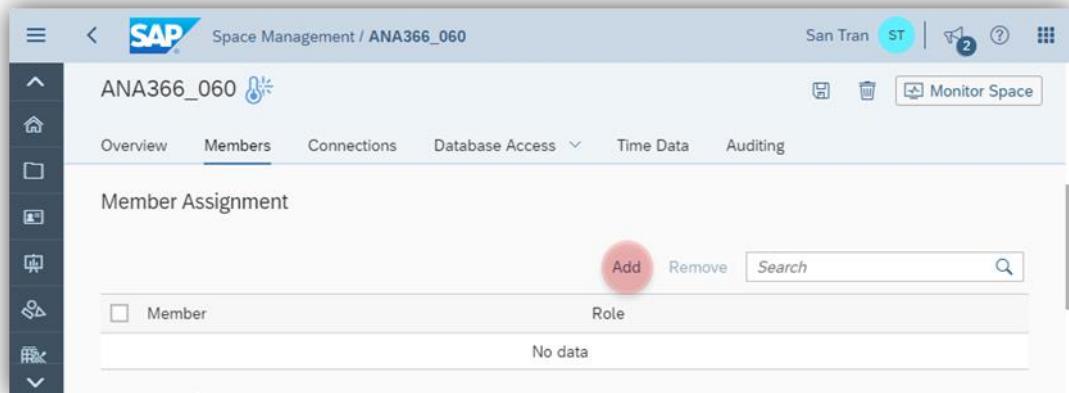
The screenshot shows the 'Create Space' dialog box. It has two input fields: 'Space Name:' with the value 'ANA366_XXX' and 'Space ID:' with the value 'ANA366_XXX'. At the bottom are 'Create' and 'Cancel' buttons. The 'Space Name:' field is highlighted with a red circle.

- c. Please make sure to reset the Disk and In-Memory size to **0.1GB**



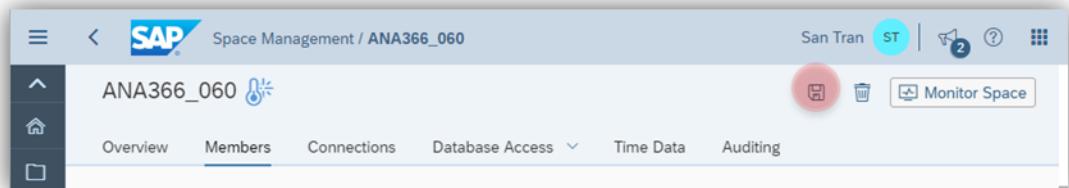
The screenshot shows the SAP Space Management interface for space ANA366_060. The 'Overview' tab is selected. On the left, there's a vertical toolbar with icons for Home, Back, Forward, and other management functions. The main area displays 'General Settings' for the space. It includes fields for 'Space ID' (ANA366_060), 'Space Name' (ANA366_060), and 'Space Status' (Active). Under 'Storage Assignment', the 'Disk (GB)' field is set to 0.1 and is highlighted with a red circle. Below it, the 'In-Memory (GB)' field is also set to 0.1. To the right of these fields is a circular progress bar labeled '100 %'. There are also sections for 'Data Lake Access' (unchecked) and 'Space Priority' (unchecked).

- d. In the section Member Assignment, please add your User, e.g., **ANA366_060**



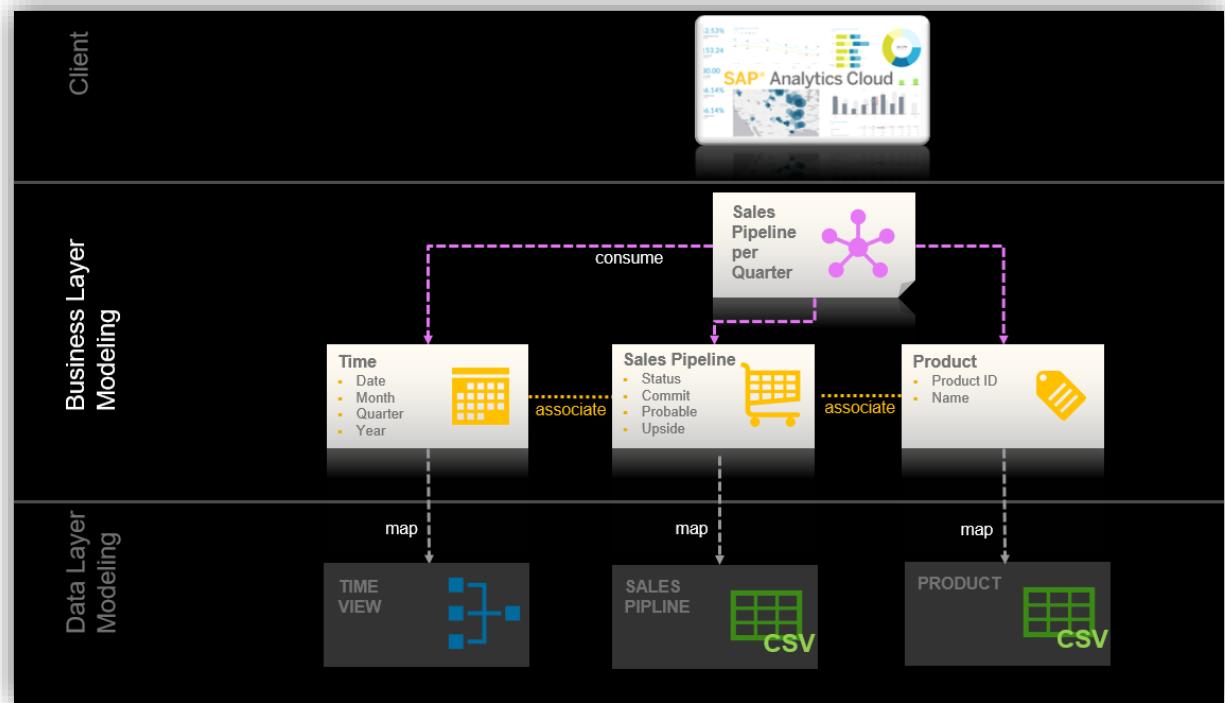
The screenshot shows the 'Members' tab of the SAP Space Management interface for space ANA366_060. The 'Member Assignment' section is visible. At the top right, there are buttons for 'Add' (highlighted with a red circle), 'Remove', and 'Search'. Below these buttons is a table with columns for 'Member' (checkbox) and 'Role'. The table currently displays the message 'No data'.

- e. Click on the **SAVE** Button to confirm your space configuration.



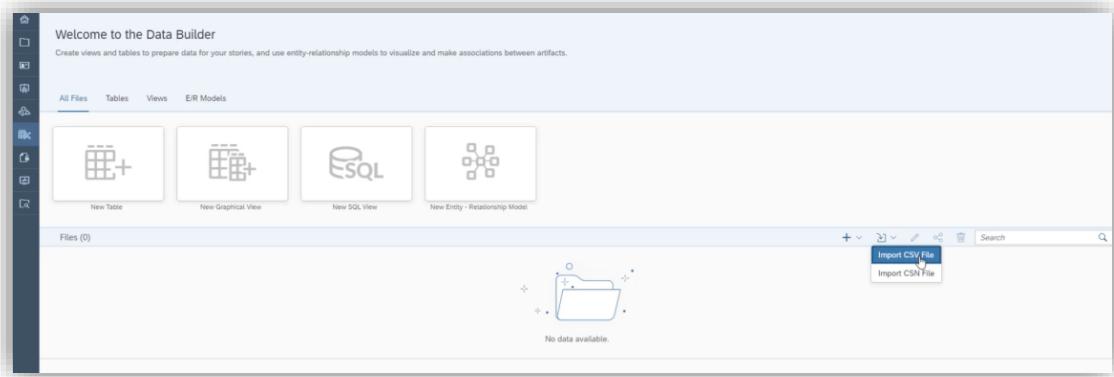
The screenshot shows the SAP Space Management interface for space ANA366_060. The 'Overview' tab is selected. The 'Save' button, located in the top right corner of the header, is highlighted with a red circle. The rest of the interface is identical to the previous screenshot, showing the general settings for the space.

Exercise 1: Sales Pipeline per Quarter

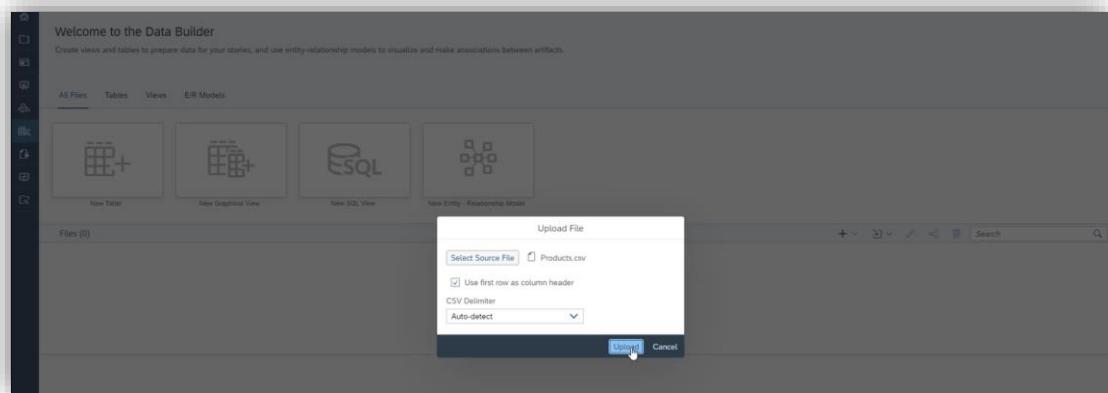


Exercise 1-1: Upload CSV File *Products.csv*

- 1.) Go to the *Data Builder*
- 2.) Select from the menu bar *Import CSV File*



- 3.) Click on *Select Source File*
- 4.) Select the downloaded file **Products.csv**
- 5.) Click on *Upload* to reconfirm your selection

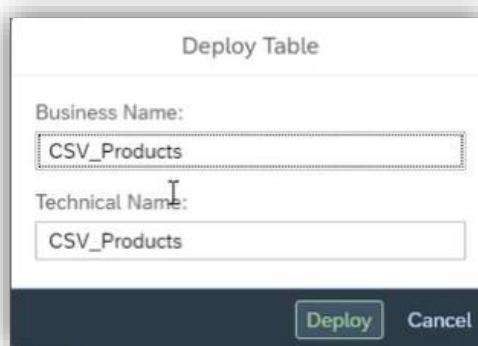


6.) In the data preview you can review the dataset and click on *Deploy*

AA_PRODUCTID	AA_TYPECODE	AA_PRODCA...	I2_SUPPLIE...	I3_TAXTARIFF...	AA_QUANTIT...	I4_WEIGHT...	AA_WEIGHT...	AA_CURREN...	I5_PRICE	I6_WIDTH
RO-1001	PR	RO	100000000	1	EA	7.700	KG	USD	525.00	0.000
RO-1002	PR	RO	100000001	1	EA	8.000	KG	USD	689.00	0.000
RO-1003	PR	RO	100000002	1	EA	9.100	KG	USD	721.00	0.000
BX-1011	PR	BX	100000003	1	EA	11.100	KG	USD	249.00	0.000
BX-1012	PR	BX	100000004	1	EA	12.000	KG	USD	399.00	0.000
BX-1014	PR	BX	100000006	1	EA	11.800	KG	USD	799.00	0.000
BX-1015	PR	BX	100000007	1	EA	12.500	KG	USD	299.00	0.000
BX-1016	PR	BX	100000008	1	EA	12.800	KG	USD	319.00	0.000
CC-1021	PR	CC	100000009	1	EA	8.100	KG	USD	1144.00	0.000
CC-1022	PR	CC	100000010	1	EA	8.000	KG	USD	1200.00	0.000
CC-1023	PR	CC	100000011	1	EA	8.600	KG	USD	1361.00	0.000
MB-1031	PR	MB	100000012	1	EA	12.700	KG	USD	649.00	0.000
MB-1033	PR	MB	100000014	1	EA	13.100	KG	USD	3999.00	0.000
MB-1034	PR	MB	100000015	1	EA	12.500	KG	USD	2499.00	0.000
RC-1051	PR	RC	100000016	1	EA	7.100	KG	USD	2499.00	0.000
RC-1052	PR	RC	100000017	1	EA	7.500	KG	USD	3999.00	0.000
RC-1053	PR	RC	100000018	1	EA	6.900	KG	USD	4599.00	0.000
RC-1054	PR	RC	100000019	1	EA	7.000	KG	USD	5499.00	0.000
RC-1055	PR	RC	100000020	1	EA	7.200	KG	USD	1999.00	0.000
RC-1056	PR	RC	100000021	1	EA	7.800	KG	USD	2499.00	0.000
RC-1057	PR	RC	100000022	1	EA	7.300	KG	USD	4999.00	0.000
DB-1081	PR	DB	100000023	1	EA	13.600	KG	USD	1499.00	0.000
DB-1082	PR	DB	100000024	1	EA	14.300	KG	USD	1250.00	0.000
DB-1083	PR	DB	100000025	1	EA	15.400	KG	USD	1199.00	0.000
EB-1131	PR	EB	100000026	1	EA	18.100	KG	USD	1500.00	0.000
EB-1132	PR	EB	100000027	1	EA	21.000	KG	USD	2250.00	0.000
EB-1133	PR	EB	100000028	1	EA	21.000	KG	USD	2250.00	0.000
EB-1134	PR	EB	100000029	1	EA	21.000	KG	USD	3000.00	0.000
EB-1135	PR	FR	100000030	1	EA	19.300	KG	USD	3000.00	0.000

7.) In the dialog *Deploy Table*

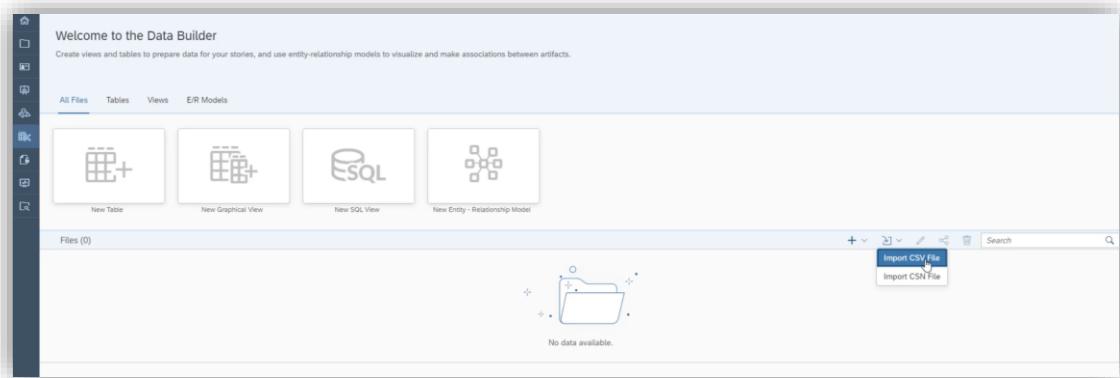
- Set the Business Name to **CSV_Products**
- Set the Technical Name to **CSV_Products**
- Then click on *Deploy*



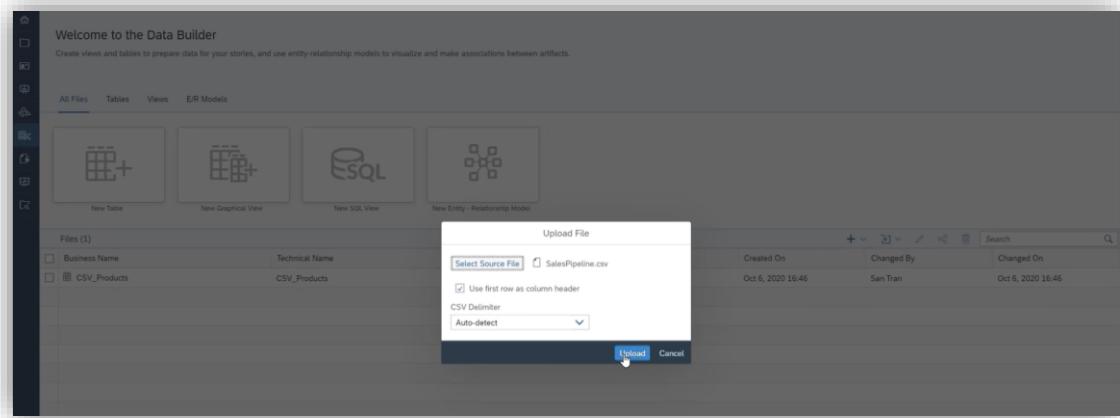
Exercise 1-2: Upload CSV File SalesPipeline.csv

1.) Navigate to the *Data Builder*

2.) Select from the menu bar *Import CSV File*



- Click on *Select Source File*
- Select the downloaded file **SalesPipeline.csv**
- Click on *Upload* to reconfirm your selection



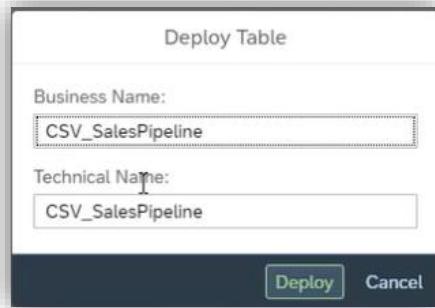
3.) In the preview you can check the dataset and click on *Deploy*

Actions													Overview									
Create Transform													Details									
#	ID	PIPELINEID	ID	STATUS	ID	PARTNERID	ID	COMMIT	ID	PROBABLE	ID	UPSIDE	AA	SALESORDER	ID	EXPECTEDCLOSINGDATE	ID	PRODUCTID	ID	CREATEDBY	ID	CREATEDAT
1	0400000001	2	100000010	0	471939	337100			2021-10-30	HB-1175	0000000014				2020-09-02							
2	0400000002	2	100000003	436850	378430	291100			2021-06-07	RC-1059	0000000020				2020-03-21							
3	0400000003	2	100000015	120600	0	120600			2021-12-03	RC-1051	0000000009				2020-01-30							
4	0400000004	1	100000002	0	419760	349800			2021-04-28	CC-1022	0000000021				2020-07-23							
5	0400000005	3	100000007	0	0	212800			2022-05-07	BK-1015	0000000025				2019-12-27							
6	0400000006	1	100000003	0	0	69000			2021-04-07	MB-1034	0000000018				2020-01-23							
7	0400000007	1	100000018	0	0	491600			2022-07-15	EB-1134	0000000014				2020-03-16							
8	0400000008	1	100000009	0	488200	488200			2022-07-06	MB-1032	0000000007				2020-07-10							
9	0400000009	5	100000005	218400	245700	138500			2020-05-05	EB-1113	0000000020				2019-09-22							
10	0400000010	2	100000032	685260	0	380700			2022-01-31	RC-1054	0000000003				2020-03-05							
11	0400000011	5	100000018	262390	151910	138100			2020-03-27	RO-1001	0000000011				2019-07-06							
12	0400000012	4	100000028	183520	0	114700			2020-05-10	RC-1052	0000000027				2020-02-24							
13	0400000013	4	100000026	220780	0	157700			2020-09-17	BK-1016	0000000009				2020-09-01							
14	0400000014	2	100000014	110810	284900	158300			2022-08-19	RC-1053	0000000026				2020-03-04							
15	0400000015	3	100000014	564300	300960	376200			2021-04-16	MB-1032	0000000021				2020-04-21							
16	0400000016	1	100000014	0	0	482600			2021-11-30	EB-1134	0000000024				2020-06-11							
17	0400000017	5	100000036	209640	0	174700			2020-03-24	DB-1081	0000000023				2019-11-21							
18	0400000018	4	100000032	793920	0	496200			2020-03-20	MB-1033	0000000009				2019-11-21							
19	0400000019	3	100000027	0	0	229200			2021-01-30	MB-1034	0000000019				2020-09-02							
20	0400000020	5	100000010	492859	316710	351900			2020-07-30	CC-1023	0000000014				2020-05-26							
21	0400000021	3	100000023	0	457880	269400			2021-12-03	EB-1133	0000000020				2020-04-29							
22	0400000022	3	100000034	0	0	372100			2021-08-30	HB-1174	0000000023				2020-03-04							
23	0400000023	4	100000039	401440	555840	308800			2020-02-10	CC-1021	0000000020				2020-01-14							
24	0400000024	2	100000004	546950	546550	321500			2021-03-10	DB-1082	0000000017				2020-09-21							
25	0400000025	4	100000037	437070	0	257100			2020-08-10	BK-1013	0000000009				2019-12-20							
26	0400000026	1	100000024	0	691320	493800			2022-01-01	HB-1176	0000000026				2020-05-24							
27	0400000027	0	100000011	320040	411480	229600			2021-03-04	EB-1195	0000000018				2020-08-11							

4.) In the dialog *Deploy Table*

- Set the *Business Name* to **CSV_SalesPipeline**
- Set the *Technical Name* to **CSV_SalesPipeline**

c. Then click on *Deploy*.



Exercise 1-3: Generate Time Data

- 1.) Navigate to *Space Management*
- 2.) Select the tab *Time Data*

The screenshot shows the "Space Management" interface for a database named "ZST_SALES_QUOTA_PIPE". The top navigation bar includes "Overview", "Members", "Connections", "Database Access", "Time Data" (which is highlighted with a red circle), and "Auditing". The main content area has two sections: "Time Tables and Dimensions" and "Auditing". Under "Time Tables and Dimensions", there is a note: "Create time tables and dimensions to use in your models and stories." followed by a "+ Create Time Tables and Dimensions" button (also highlighted with a red circle). Under "Auditing", there are settings for "Space Audit Settings" including checkboxes for "Enable Audit Log for Read Operations" and "Enable Audit Log for Change Operations", both set to keep logs for 30 days.

- 3.) Click on *Create Time Tables and Dimensions*

The screenshot shows the "Space Management" interface for the same database "ZST_SALES_QUOTA_PIPE". The "Time Data" tab is selected. The "Time Tables and Dimensions" section contains the note "Create time tables and dimensions to use in your models and stories." and the "+ Create Time Tables and Dimensions" button (highlighted with a red circle). The "Auditing" section and "Space Audit Settings" section are also visible, showing audit log configuration options.

- 4.) On the dialog *Create Time Tables and Dimensions*

- a. Set the *From Year* to **2000**
- b. Set the *To Year* to **2050**
- c. Click on *Create*. A batch job will be triggered to generate the time related tables and views including the specified data.

Create Time Tables and Dimensions

Time Table Settings

Business Name *	Technical Name		
Time Table	SAPTIME.M_TIME_DIMENSION		
From Year *	To Year *	Calendar Type	Granularity
2000	2050	Gregorian	Day

Time Dimensions

Year Dimension	Business Name *	Technical Name
	Time Dimension - Year	SAPTIME.VIEW_DIMENSION_YEAR
Quarter Dimension	Business Name *	Technical Name
	Time Dimension - Quarter	SAPTIME.VIEW_DIMENSION_QUARTER
Month Dimension	Business Name *	Technical Name
	Time Dimension - Month	SAPTIME.VIEW_DIMENSION_MONTH
Day Dimension	Business Name *	Technical Name
	Time Dimension - Day	SAPTIME.VIEW_DIMENSION_DAY

Translation Tables

Translation Table for Quarters	Business Name *	Technical Name
	Translation Table - Quarter	SAPTIME.M_TIME_DIMENSION_TQUART...
Translation Table for Months	Business Name *	Technical Name
	Translation Table - Month	SAPTIME.M_TIME_DIMENSION_TMONTH

Create **Cancel**

5.) Go back to the *Data Builder* and make sure to see following entities in the list:

- **CSV_Products** Relational Dataset (Local Table)
- **CSV_SalesPipeline** Relational Dataset (Local Table)
- **Time Dimension – Day** Dimension (View)
- **Time Dimension – Quarter** Dimension (View)

Files (10)			
	Business Name	Technical Name	Type
<input type="checkbox"/>	CSV_Products	CSV_Products	Relational Dataset (Local Table)
<input type="checkbox"/>	CSV_SalesPipeline	CSV_SalesPipeline	Relational Dataset (Local Table)
<input type="checkbox"/>	Time Dimension - Day	SAP.TIME.VIEW_DIMENSION_DAY	Dimension (View)
<input type="checkbox"/>	Time Dimension - Month	SAP.TIME.VIEW_DIMENSION_MONTH	Dimension (View)
<input type="checkbox"/>	Time Dimension - Quarter	SAP.TIME.VIEW_DIMENSION_QUARTER	Dimension (View)
<input type="checkbox"/>	Time Dimension - Year	SAP.TIME.VIEW_DIMENSION_YEAR	Dimension (View)
<input type="checkbox"/>	Time Table	SAP.TIME.M_TIME_DIMENSION	Local Table
<input type="checkbox"/>	Translation Table - Quarter	SAP.TIME.M_TIME_DIMENSION_TQUARTER	Local Table
<input type="checkbox"/>	Translation Table - Day	SAP.TIME.M_TIME_DIMENSION_TDAY	Local Table
<input type="checkbox"/>	Translation Table - Month	SAP.TIME.M_TIME_DIMENSION_TMONTH	Local Table

Exercise 1-4: Create Business Entity – Product

1.) Navigate to the Business Builder

- a. Click on the tile *New Dimension*

Welcome to the Business Builder

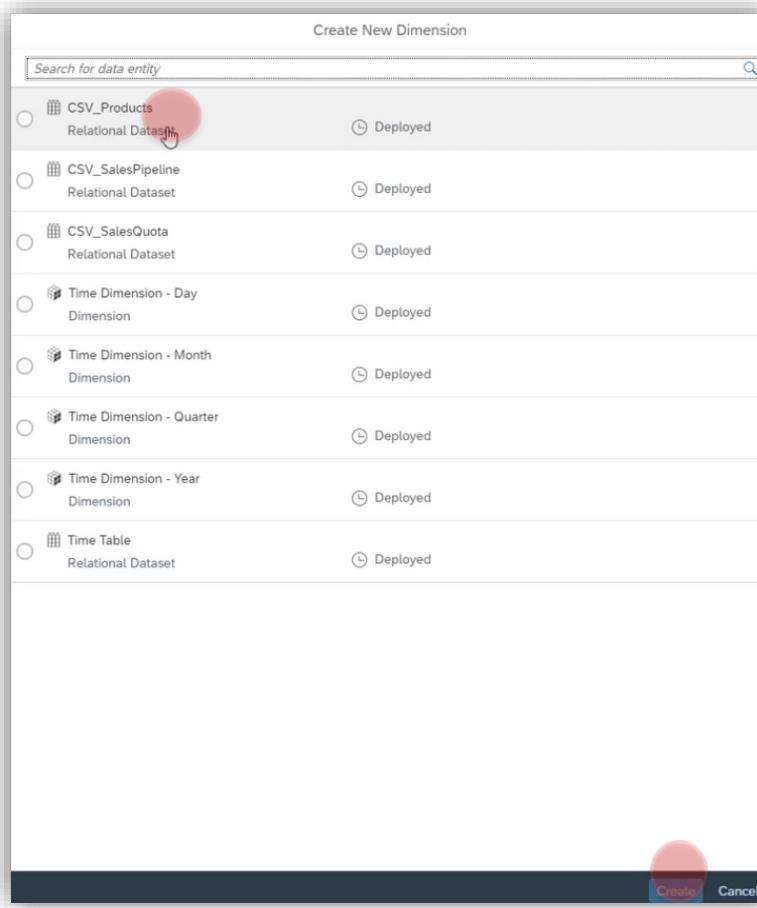
Create business entities and fact models as the foundation for consumption models and protect them by creating authorization scenarios

All Files Business Entity Fact Model Consumption Model Authorization Scenario

New Dimension New Analytical Dataset New Fact Model New Consumption Model

ZST_SALES_QUOTA_PIPE (0)

- b. A dialog will show up with a list of data sources
- c. Select the **CSV_Products**
- d. Click on *Create* to confirm the selection



2.) Navigate to the *General* Tab of the Business Builder

- Rename the Title to ***Products***
- Check the ***Allow public data access***.

With that, you are making the data for the Business Entity publicly accessible

- Click on *Save* to confirm the changes

3.) Navigate to the *Attributes* Tab of the Business Builder and click on *Add Source Attributes*

- In the dialog select the attributes
 - **PRODUCTCATEGORYID**
 - **PRODUCTID**
- and click on *Apply* to confirm the selection.

Add Source Attributes

Selected items: 2

<input type="checkbox"/> CURRENCY	CURRENCY
<input type="checkbox"/> DEPTH	DEPTH
<input type="checkbox"/> DIMENSIONUNIT	DIMENSIONUNIT
<input type="checkbox"/> HEIGHT	HEIGHT
<input type="checkbox"/> PRICE	PRICE
<input checked="" type="checkbox"/> PRODCATEGORYID	PRODCATEGORYID
<input checked="" type="checkbox"/> PRODUCTID	PRODUCTID
<input type="checkbox"/> PRODUCTPICURL	PRODUCTPICURL
<input type="checkbox"/> QUANTITYUNIT	QUANTITYUNIT

Apply **Cancel**

- 4.) Navigate to the *Key Definitions* tab of the Business Builder
 - Rename the Key Title to **Product Id**
 - As *Key Field* please select **PRODUCTID**
 - Click on *Save* to confirm the change

Key Title

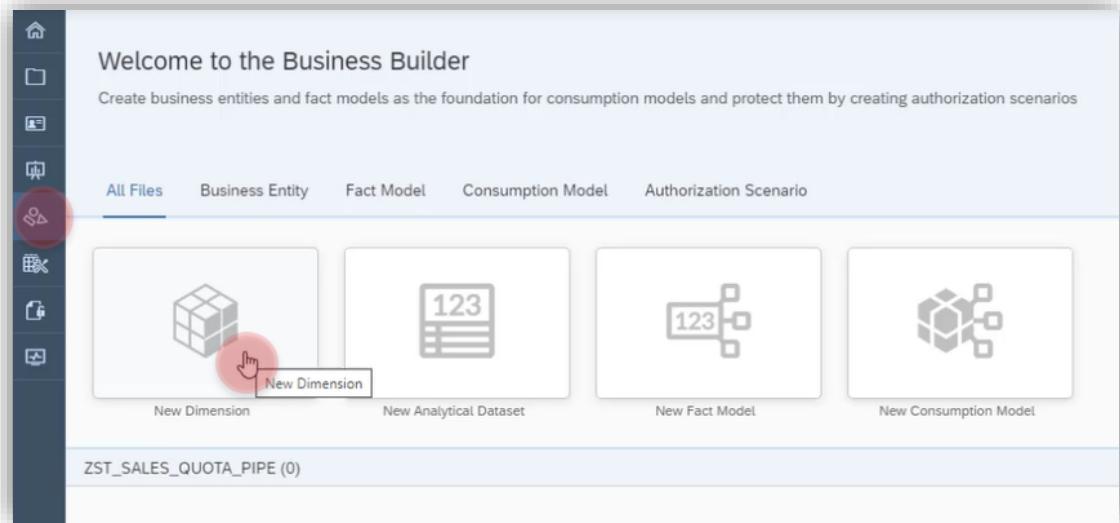
Key Fields

Field Selection Description
Key Field Key Field Title
PRODUCTID PRODUCTID

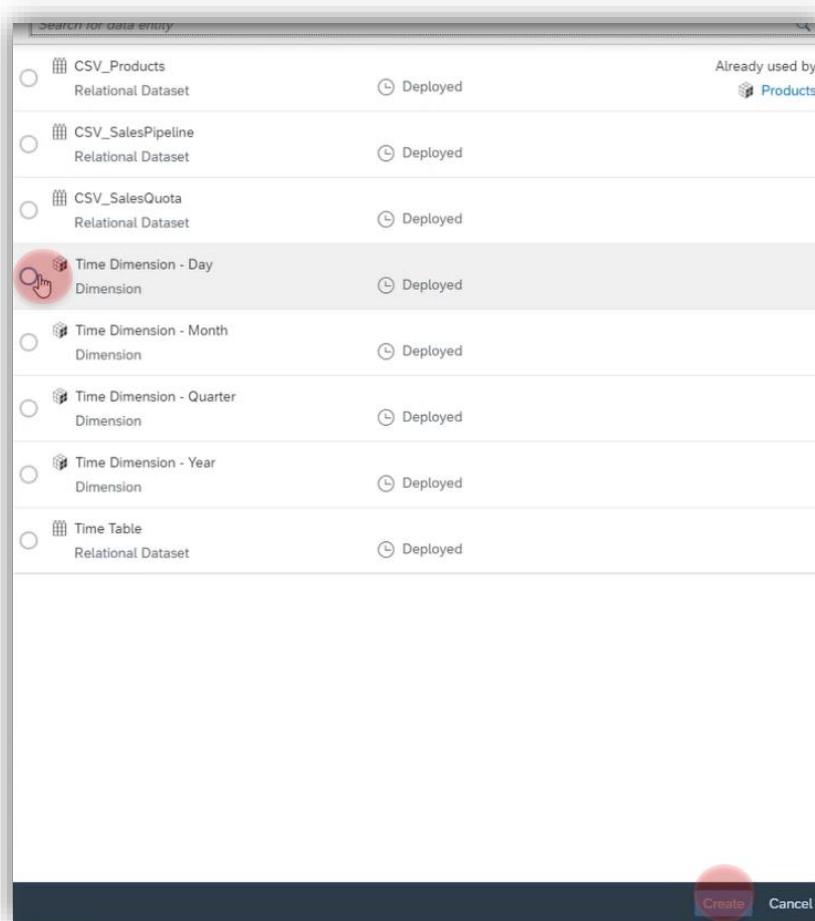
Save **Cancel**

Exercise 1-5: Create Business Entity – Time Day

- 1.) Navigate to the Business Builder and Click on the tile *New Dimension*

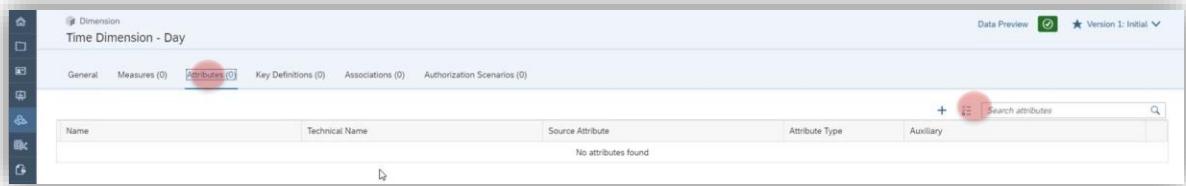


- A dialog will show up with a list of data sources
- Select the **Time Dimension - Day**
- Click on *Create* to confirm the selection

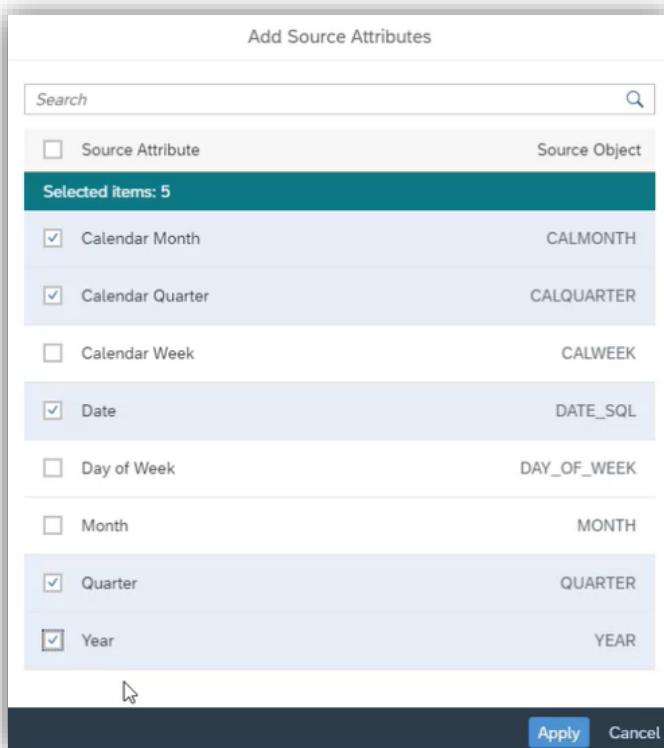


- 2.) Navigate to the *General* Tab of the Business Builder
 - Check the **Allow public data access**.
 - Click on *Save* to confirm the changes

3.) Navigate to the *Attributes* Tab of the Business Builder and click on *Add Source Attributes*

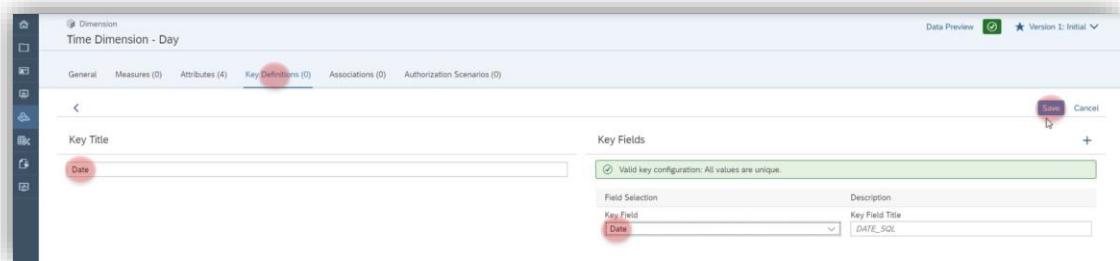


- a. In the dialog select the attributes
 - **CALMONTH (Calendar Month)**
 - **CALQUARTER (Calendar Quarter)**
 - **DATE_SQL (Date)**
 - **QUARTER (Quarter)**
 - **YEAR (Year)**
- b. and click on *Apply* to confirm the selection.



4.) Navigate to the *Key Definitions* tab of the Business Builder

- a. Rename the Key Title to **Date**
- b. As *Key Field* please select **Date**
- c. Click on *Save* to confirm the change



Exercise 1-6: Create Business Entity – Sales Pipeline

- 1.) Navigate to the Business Builder
 - a. Click on the tile *New Analytical Dataset*

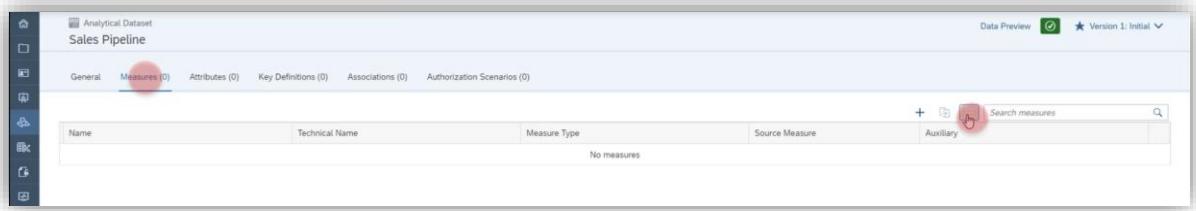
Business Name	Type
Products	Dimension (Business Entity)
Time Dimension - Day	Dimension (Business Entity)

- b. A dialog will show up with a list of data sources
- c. Select the ***CSV_SalesPipeline***
- d. Click on *Create* to confirm the selection

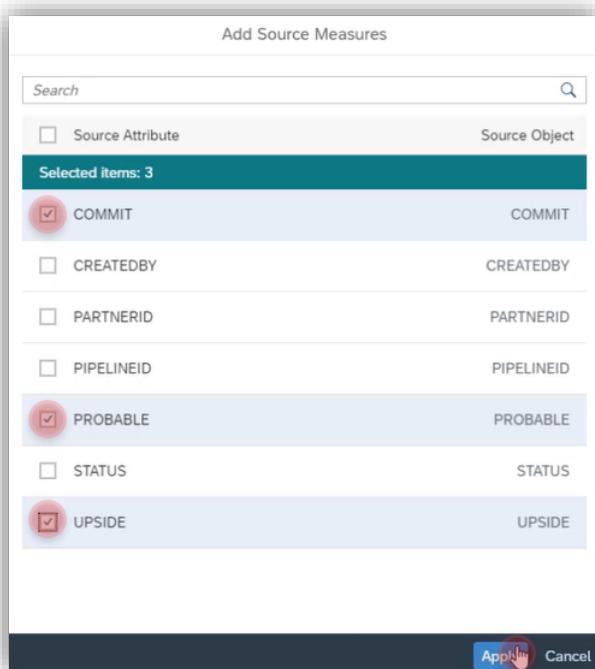
2.) Navigate to the *General* Tab of the Business Builder

- Rename the Title to ***Sales Pipeline***
- Check the ***Allow public data access***.
- Click on *Save* to confirm the changes

3.) Navigate to the *Measures* Tab of the Business Builder and click on *Add Source Measures*



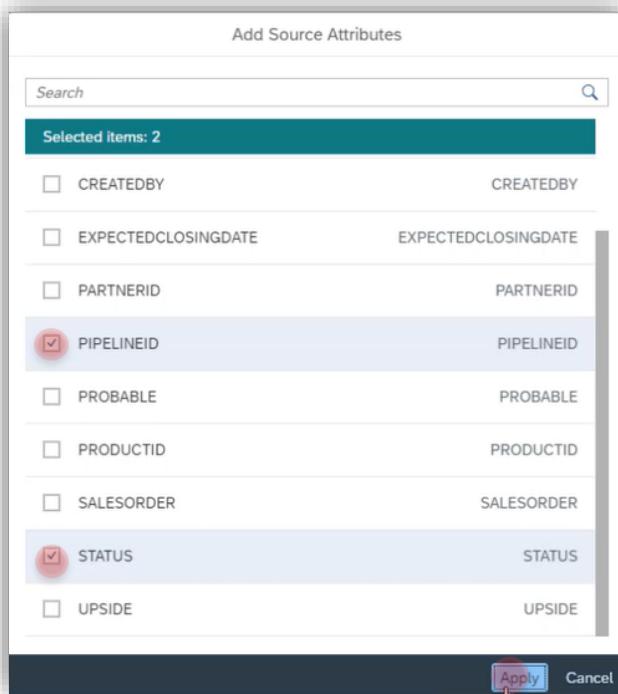
- In the dialog select the measures
 - **COMMIT**
 - **PROBABLE**
 - **UPSIDE**
- Click on *Apply* to confirm the selection



4.) Navigate to the *Attributes* Tab of the Business Builder and click on *Add Source Attributes*

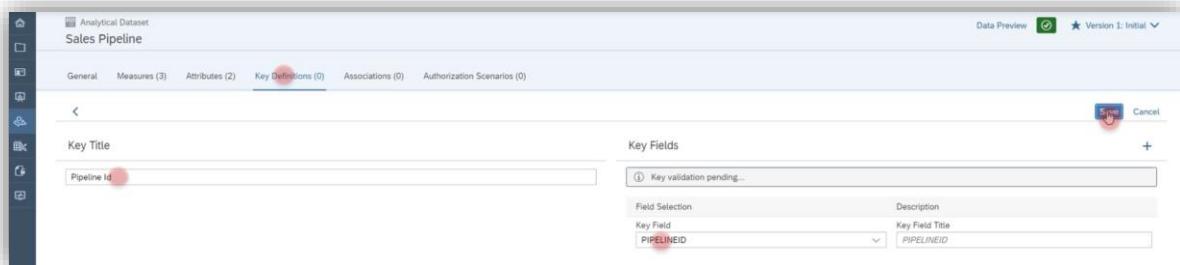


- In the dialog select the attributes
 - **PIPELINEID**
 - **STATUS**
- and click on *Apply* to confirm the selection.



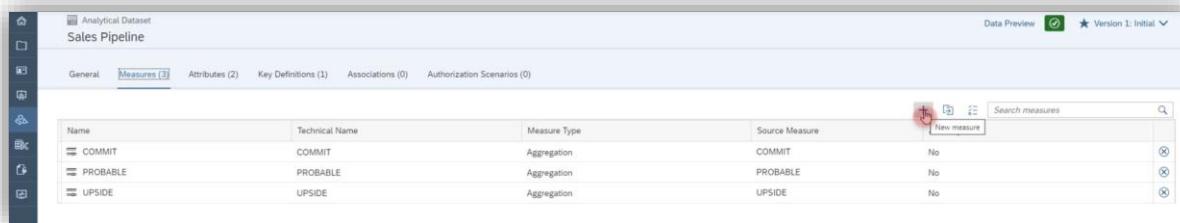
5.) Navigate to the *Key Definitions* tab of the Business Builder

- Rename the Key Title to **Pipeline Id**
- As **Key Field** please select **PIPELINEID**
- Click on **Save** to confirm the change



6.) Navigate to the *Measures* Tab to create a *Derived Measure*

- Click on **Add Measure**



- Set the Name to **Committed Pipeline**
- Set **Measure Type** to **Derived Measure**
- Set source measure to **PROBABLE**
- In the Restriction
 - add **STATUS**
 - set List of Values to **4**
- Click on **Save** to confirm the change

The screenshot shows the 'Measures' tab of the 'Sales Pipeline' dataset configuration. The table contains the following data:

Name	Technical Name	Measure Type	Source Measure
Committed Pipeline	Committed_Pipeline	Derived Measure	PROBABLE
Commit	COMMIT	Aggregation	COMMIT
Upside	UPSIDE	Aggregation	UPSIDE

7.) Navigate to the *Measures* Tab to create a *Derived Measure*

- Click on *Add Measure*

The screenshot shows the 'Measures' tab with a new measure being added. The modal dialog contains the following information:

Name	Technical Name	Measure Type	Source Measure
Open Pipeline	Open_Pipeline	Derived Measure	COMMIT

- Set the Name to ***Open Pipeline***
- Set *Measure Type* to ***Derived Measure***
- Set source measure to ***COMMIT***
- In the Restriction
 - add ***STATUS***
 - set List of Values to ***2 and 3***
- Click on *Save* to confirm the change

The screenshot shows the 'Measures' tab after saving the new derived measure. The 'Open Pipeline' measure now has 'STATUS' listed under 'Restrictions' with values '2' and '3' selected.

8.) Navigate to the *Measures* Tab to create a *Calculated Measure*

- Click on *Add Measure*

Name	Technical Name	Measure Type	Source Measure
COMMIT	COMMIT	Aggregation	COMMIT
PROBABLE	PROBABLE	Aggregation	PROBABLE
UPSIDE	UPSIDE	Aggregation	UPSIDE

- b. Set the Name to **Final Pipeline**
- c. Set the Technical Name to **Final_Pipeline**
- d. Set **Measure Type** to **Calculation**
- e. Set the Formula: **Open Pipeline + Committed Pipeline**
- f. Click on **Save** to confirm the change

Title

Name: * Final Pipeline

Technical Name: * Final_Pipeline

Source

Measure Type: * Calculation

= Open Pipeline + Committed Pipeline

Calculation formula is valid.

9.) After the creation of the measures, please make sure you have following list:

- **COMMIT**
- **Committed Pipeline**
- **Final Pipeline**
- **Open Pipeline**
- **PROBABLE**
- **UPSIDE**

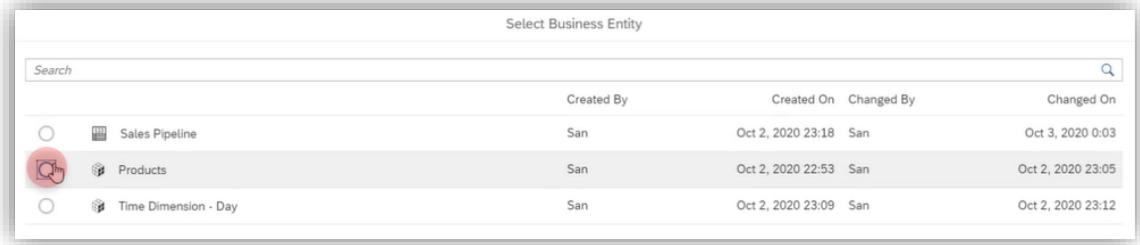
Name	Technical Name	Measure Type	Source Measure	Auxiliary
COMMIT	COMMIT	Aggregation	COMMIT	No
Committed Pipeline	Committed_Pipeline	Derived Measure	PROBABLE	No
Final Pipeline	Final_Pipeline	Calculation	Calculation	No
Open Pipeline	Open_Pipeline	Derived Measure	COMMIT	No
PROBABLE	PROBABLE	Aggregation	PROBABLE	No
UPSIDE	UPSIDE	Aggregation	UPSIDE	No

10.) Navigate to the **Associations** Tab

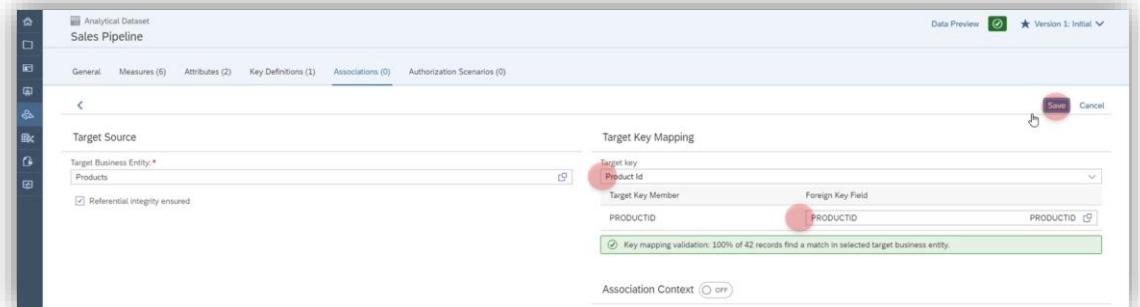
- a. Click on **Add Associations**



- b. In the Dialog select **Products**
- c. Click on **Apply** to confirm the selection



- d. Set Target Key to **Product Id**
- e. Set Foreign Key Field **PRODUCTID**
- f. Click on **Save** to confirm the settings



11.) Navigate to the Associations Tab

- a. Click on **Add Associations**



- b. In the Dialog select **Time Dimension – Day**
- c. Click on **Apply** to confirm the selection

- d. Set Target Key to **Date**
- e. Set Foreign Key Field **EXPECTEDCLOSINGDATE**
- f. Click on *Save* to confirm the settings

12.) Please make sure the following associations are in the list:

- **Sales Pipeline to Products**
- **Sales Pipeline to Time Dimension - Day**

Exercise 1-7: Create Consumption Model – Sales Pipeline per Quarter

1.) Navigate to the *Business Builder* and click on *New Consumption Model*

- a. In the Dialog set the Title to ***Sales Pipeline per Quarter***



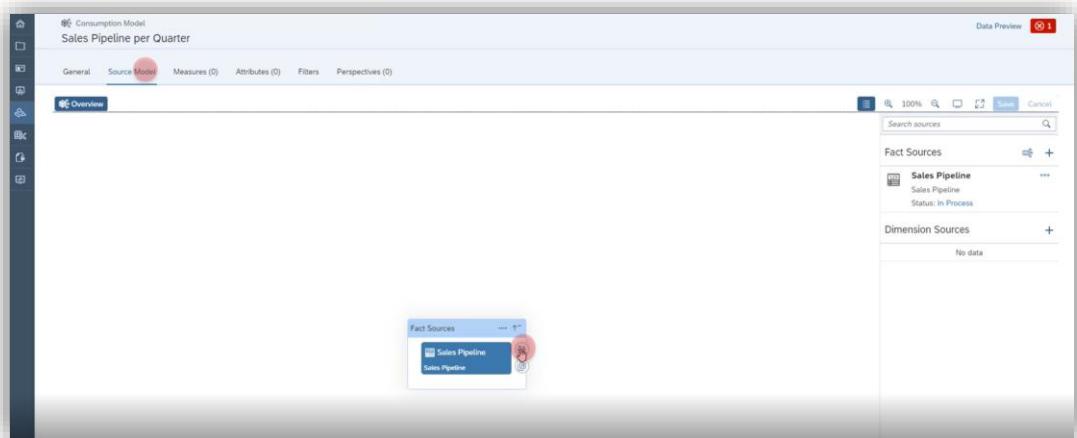
- b. Click on *Step 2*
- c. Select the **Sales Pipeline** as the *Initial Fact Source*

The screenshot shows the 'Initial Fact Source' step of the wizard. The 'Sales Pipeline' fact source is selected and highlighted with a red circle. Other options include 'Products' and 'Time Dimension - Day'. The table lists the selected fact source with details: Created By: San, Created On: Oct 2, 2020 23:18, Changed By: San, and Changed On: Oct 3, 2020 0:09.

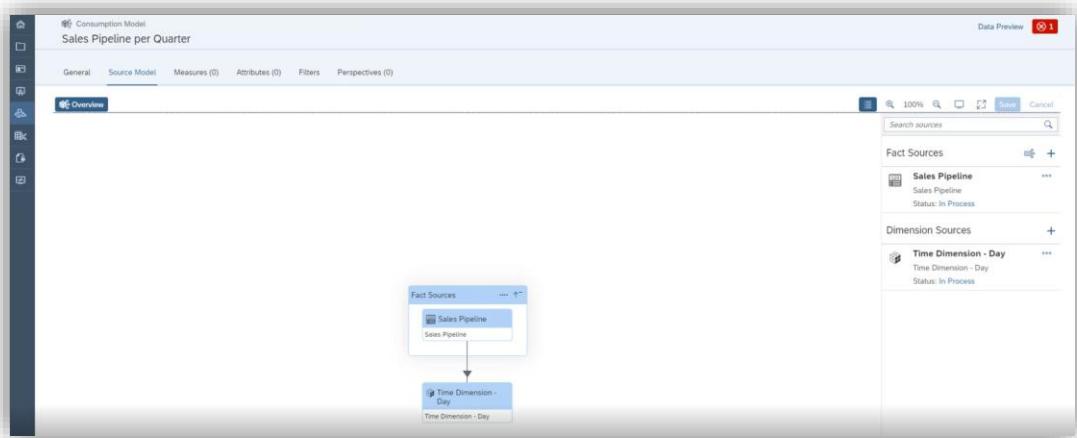
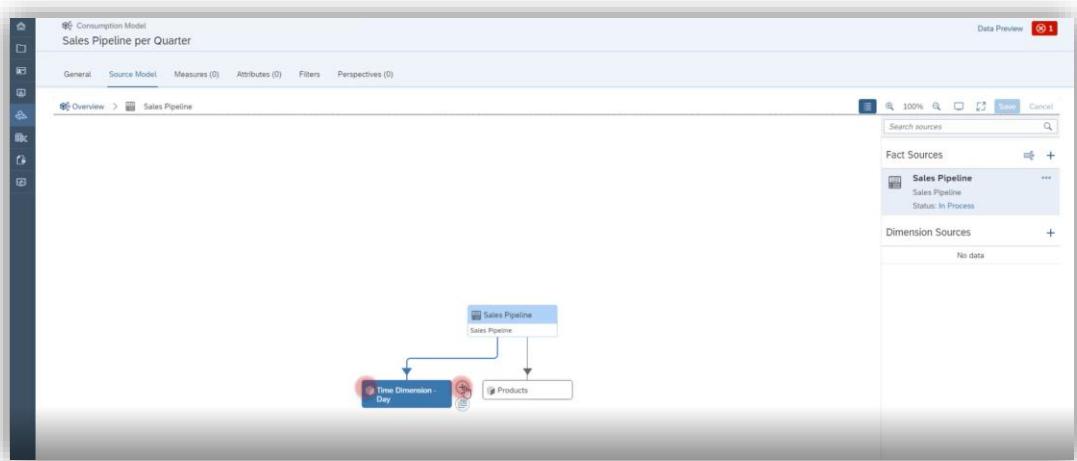
	Created By	Created On	Changed By	Changed On
Sales Pipeline	San	Oct 2, 2020 23:18	San	Oct 3, 2020 0:09
Products	San	Oct 2, 2020 22:53	San	Oct 2, 2020 23:05
Time Dimension - Day	San	Oct 2, 2020 23:09	San	Oct 2, 2020 23:12

- d. Click on *Create*

- 2.) Navigate to the *Source Model* tab
 - a. On the Fact Source **Sales Pipeline** click on *Show Source Graph*

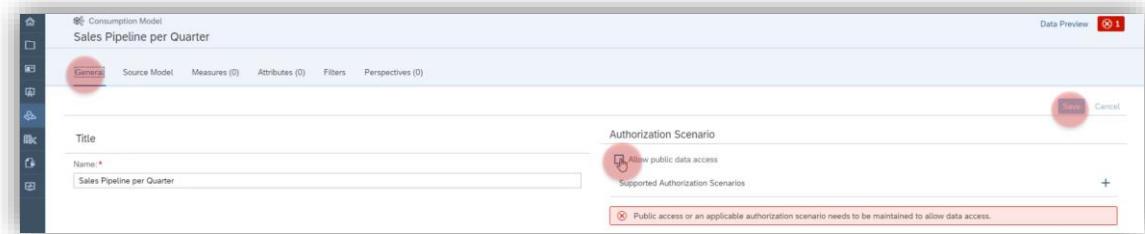


b. Select the associated ***Time Dimension – Day*** and click on **Add to Source Model**.



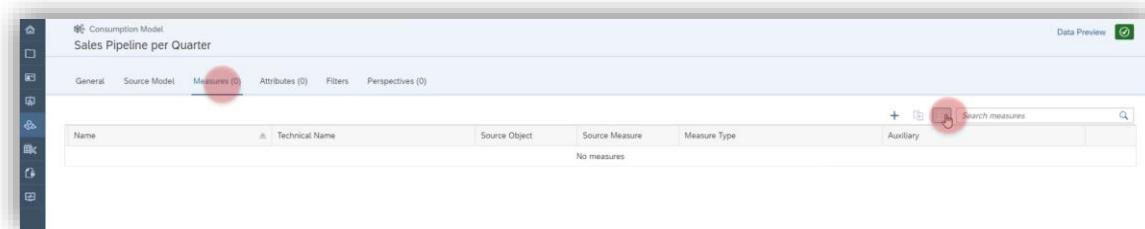
3.) Navigate to the ***General*** tab

- Click on ***Allow Public Data Access***
- Click on ***Save*** to apply the changes



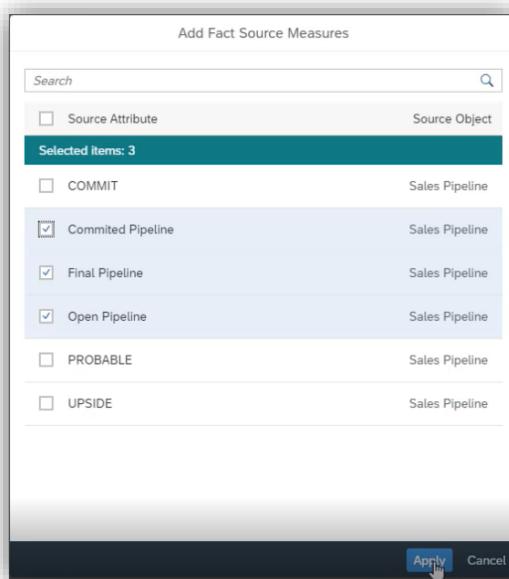
4.) Navigate to the *Measures* tab

- Click on *Add Fact Source Measures*



- In the dialog select

- **Committed Pipeline**
- **Final Pipeline**
- **Open Pipeline**



- Click on *Apply* to confirm the selection

5.) Navigate to the *Attributes* tab

- Click on *Add Attributes*

b. In the dialog select all attributes

- **Calendar Month**
- **Calendar Quarter**
- **Date**
- **Quarter**
- **Year**

Selected items: 5	
Source Attribute	Source Object
<input checked="" type="checkbox"/> Calendar Month	Time Dimension - Day
<input checked="" type="checkbox"/> Calendar Quarter	Time Dimension - Day
<input checked="" type="checkbox"/> Date	Time Dimension - Day
<input checked="" type="checkbox"/> Quarter	Time Dimension - Day
<input checked="" type="checkbox"/> Year	Time Dimension - Day

c. Click on Apply to confirm the selection

6.) Click on the *Data Preview*

Name	Technical Name	Source Object	Source Attribute	Attribute Type	Auxiliary
Calendar Month	CALMONTH	Time Dimension - Day	Calendar Month	Dimension Source Attribute	No
Calendar Quarter	CALQUARTER	Time Dimension - Day	Calendar Quarter	Dimension Source Attribute	No
Date	DATE_SQL	Time Dimension - Day	Date	Dimension Source Attribute	No
Quarter	QUARTER	Time Dimension - Day	Quarter	Dimension Source Attribute	No
Year	YEAR	Time Dimension - Day	Year	Dimension Source Attribute	No

a. Select the measure **Open Pipeline**

b. On the context menu click on *Add to Perspective*

Consumption Model
Sales Pipeline per Quarter

Perspective Actions

- Add to Perspective
- Sort
- Filter
- Open Field
- Association Context
- ADS_SALES_PIPELINE
- Open Pipeline

Calendar Month	Calendar Quarter	Committed Pipeline	Final Pipeline
20214		0.00	1,250,160.00
20212		0.00	2,108,040.00
20224		0.00	634,470.00
20222		0.00	452,070.00
20221		0.00	1,063,740.00
20202		702,220.00	702,220.00
20203		1,142,800.00	2,517,149.00
20223		0.00	1,882,620.00
20212		0.00	1,095,160.00
20201		717,760.00	717,760.00
202101	20211	0.00	3,380,340.00
202108	20213	0.00	2,119,030.00
202002	20201	758,240.00	758,240.00

- Select the Attribute **Calendar Month**
- On the context menu click on *Remove from Perspective*

Consumption Model
Sales Pipeline per Quarter

Perspective Actions

- Remove from Output
- Remove from Perspective
- Sort
- Filter
- Open Field
- Move Perspective Field

Calendar Quarter	Committed Pipeline
20214	
20212	
20214	
20222	
20221	
20205	20202
20209	20203
202208	20223
202104	20212
202003	20201
202101	20211
202108	20213
202002	20201
202103	20211

- Select the Attribute **Calendar Quarter**
- On the context menu click on *Sort*

Consumption Model
Sales Pipeline per Quarter

Perspective Actions

- Remove from Output
- Remove from Perspective
- Sort
- Filter
- Open Field
- Move Perspective Field

Committed Pipeline
0.00
0.00
0.00
0.00
0.00
2,711,290.00
1,581,130.00
0.00
2,704,890.00
0.00
0.00
0.00

- Click on *Save New*, to save a new perspective

Calendar Quarter	Committed Pipeline	Open Pipeline	Final Pipeline
20201	2,704,890.00	0.00	2,704,890.00
20202	2,711,290.00	0.00	2,711,290.00
20203	1,581,130.00	1,374,349.00	2,955,479.00
20204	0.00	3,663,090.00	3,663,090.00
20211	0.00	5,793,999.00	5,793,999.00
20212	0.00	4,777,549.00	4,777,549.00
20213	0.00	4,776,740.00	4,776,740.00
20214	0.00	4,645,000.00	4,645,000.00
20221	0.00	1,402,940.00	1,402,940.00
20222	0.00	2,186,060.00	2,186,060.00
20223	0.00	4,818,580.00	4,818,580.00

h. On the Dialog enter the title **Sales Pipeline per Quarter**

i. Click on Save

Create Perspective

Title and Identifier

Title: Sales Pipeline per Quarter

Technical Name: Sales_Pipeline_per_Quarter

Summary

Settings

Authorization Scenario: <empty>

Row Limit: 1000

Fields

- Committed Pipeline
- Open Pipeline
- Final Pipeline
- Calendar Quarter

Sort Steps

- Calendar Quarter
 - Ascending

Save Cancel

7.) Navigate back to the Consumption Model by clicking on the breadcrumb on **Consumption Model – Sales Pipeline per Quarter**

SAP Business Builder / ZST_SALES_QUOTA_PIPE / Consumption Model - Sales Pipeline per Quarter / Data Preview

Consumption Model
Sales Pipeline per Quarter / Sales Pipeline per Quarter

Search fields Hide Filters

Perspective Fields (4):
 - Calendar Quarter
 - Committed Pipeline
 - Open Pipeline
 - Final Pipeline

Measures (0): No measures available

Dimensions:
 - Time Dimension - Day (4):
 - Calendar Month
 - Date
 - Quarter
 - Year

Calendar Quarter	Committed Pipeline
20201	2,704,890.00
20202	2,711,290.00
20203	1,581,130.00
20204	0.00
20211	0.00
20212	0.00
20213	0.00
20214	0.00
20221	0.00
20222	0.00
20223	0.00

- Navigate to tab *Perspectives*
- Click on *Deploy*

Consumption Model
Sales Pipeline per Quarter

General Source Model Measures (3) Attributes (5) Filters Perspectives (1)

Title	Technical Name	Fields	Created By	Created On	Changed By	Changed On	Deployment Status
Sales Pipeline per Quarter	Sales_Pipeline_per_Quarter	3 → 1 ↕	San Tran	Oct 5, 2020 14:56	San Tran	Oct 5, 2020 14:56	Not Deployed

Exercise 1-8: Create Story – Sales Pipeline per Quarter

- 1.) Navigate to the *Application Switcher* and click on *Analytics*

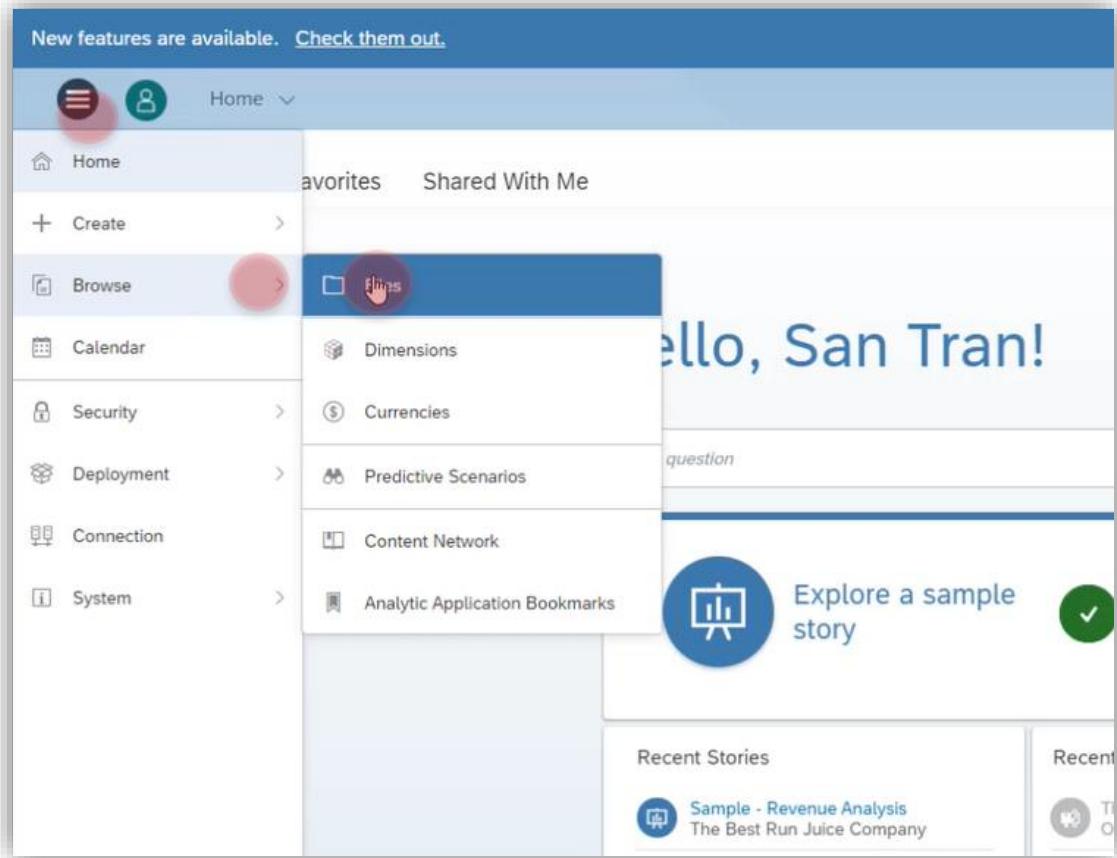
Business Builder / ZST_SALES_QUOTA_PIPE / Consumption Model - Sales Pipeline per Quarter

Analytics Data Warehouse

General Source Model Measures (3) Attributes (5) Filters Perspectives (1)

Title	Technical Name	Fields	Created By	Created On	Changed By	Changed On	Deployment Status
Sales Pipeline per Quarter	Sales_Pipeline_per_Quarter	3 → 1 ↕	San Tran	Oct 5, 2020 14:56	San Tran	Oct 5, 2020 14:56	Deployed

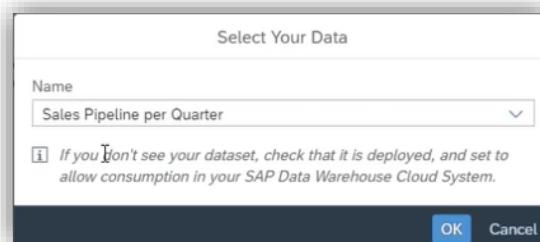
- 2.) Click on the Menu and select *Browse → Files*



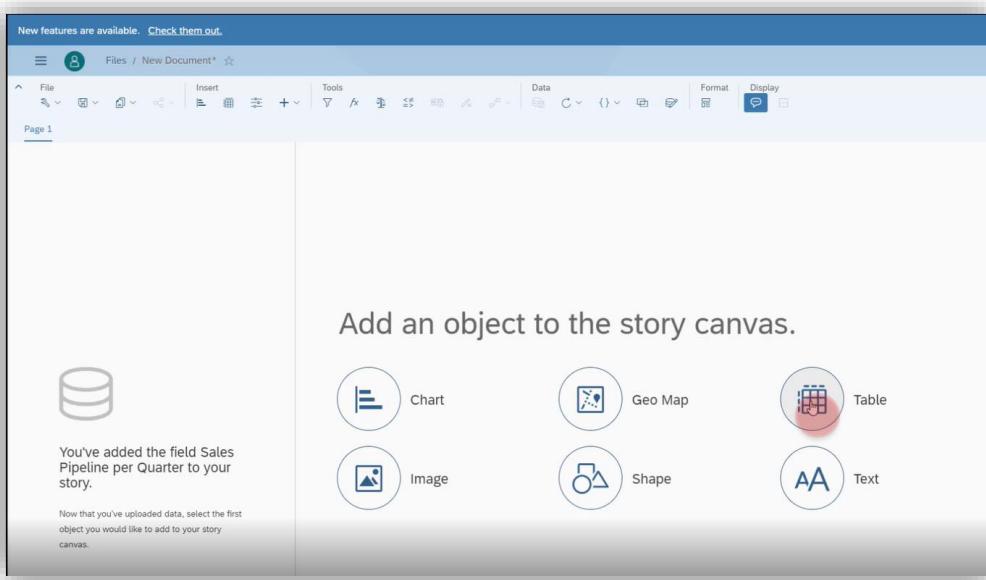
- 3.) Make sure that the correct Space is selected, where your models have been created
- 4.) Click on *Create Story* from the toolbar

Spaces	Name	Description	Type	Owner	Created On	Changed By	Changed On
Analytics Cloud	CSV_PRODUCT_CATEGORIES	CSV_PRODUCT_CATEGORIES	Local Table	San Tran	Sep 28, 2020 20:14	San Tran	Sep 28, 2020 20:14
BOBJ_UNIVERSE...	CSV_PRODUCT_CATEGORY...	CSV_PRODUCT_CATEGORY_TEXTS	Local Table	San Tran	Sep 28, 2020 20:15	San Tran	Sep 28, 2020 20:15
HS_PM	CSV_SALES_PIPELINE	CSV_SALES_PIPELINE	Local Table	San Tran	Sep 28, 2020 20:30	San Tran	Sep 28, 2020 20:30
REFERENCE_MO...	CSV_SALES_QUOTA	CSV_SALES_QUOTA	Local Table	San Tran	Sep 28, 2020 20:41	San Tran	Sep 28, 2020 20:41
ZST_PLAN_ACTU...	Products	Products	Remote Table	San Tran	Sep 9, 2020 14:24	San Tran	Sep 9, 2020 14:24
REFERENCE_MO...	ProductTexts	ProductTexts	Remote Table	San Tran	Sep 9, 2020 14:24	San Tran	Sep 9, 2020 14:24
ZST_PLAN_ACTU...	SalesPipeline	SalesPipeline	Remote Table	San Tran	Oct 5, 2020 13:21	San Tran	Oct 5, 2020 13:21
ZST_SALES_QUO...	Sales_Pipeline_per_Quarter	Sales Pipeline per Quarter	View	San Tran	Oct 5, 2020 14:56	San Tran	Oct 5, 2020 14:56
ZST_SAN	SAPTIME_M_TIME_DIMENSION	SAPTIME_M_TIME_DIMENSION	Time Table	San Tran	Sep 9, 2020 14:44	San Tran	Sep 9, 2020 14:44
ZST_SAN	SAPTIME_M_TIME_DIMENSION	Translation Table - Day	Local Table	San Tran	Sep 9, 2020 14:44	San Tran	Sep 9, 2020 14:44

- 5.) In the dialog *Select Your Data*, please select the perspective ***Sales Pipeline per Quarter***
- 6.) Click on *OK* to confirm the selection

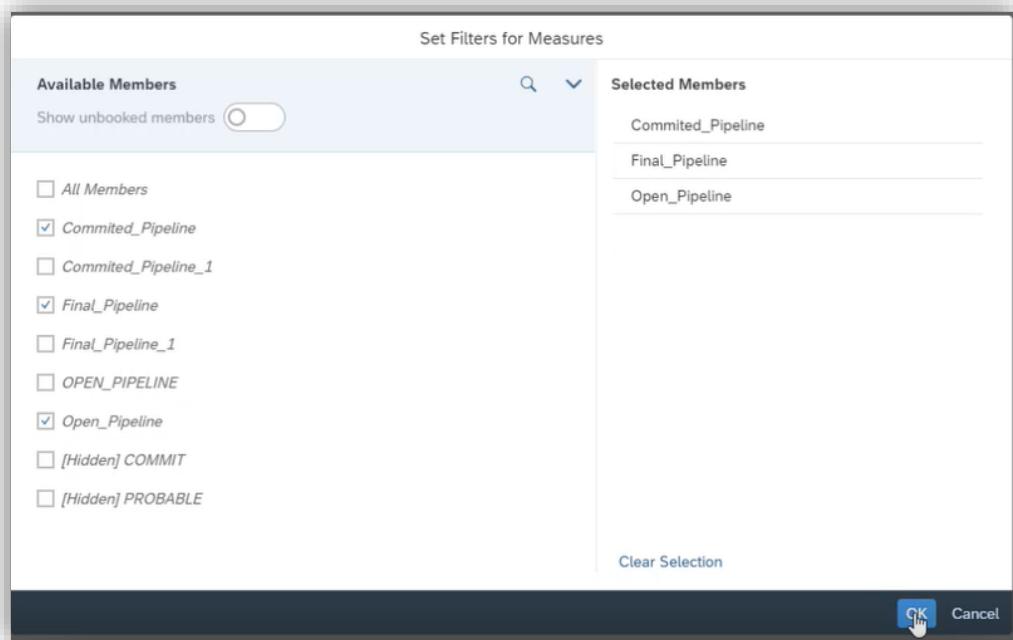


- 7.) Add a new Table into the story canvas



- 8.) In the story builder open the *Designer*
- 9.) In the *columns* section, filter the measures

- 10.) Select the measures
 - ***Committed Pipeline***
 - ***Final Pipeline***
 - ***Open Pipeline***
- and click on *OK* to confirm the selection



11.) In the *rows* section, select the dimension **Calendar Quarter**

The dialog box is titled "Table Structure". It has sections for "Rows" and "Reporting".

Rows:

- Search: CALCULATED DIMENSIONS
 - + Create Calculated Dimension
- DIMENSIONS
 - Measures
 - [Hidden] STATUS
 - Calendar Quarter
 - + Create Dimension Input Control

Reporting:

- Automatically resize table vertically

Properties:

12.) Please check the result of your table as the following

New features are available. [Check them out.](#)

Files / New Document* ★

File Insert Tools Data

Page 1

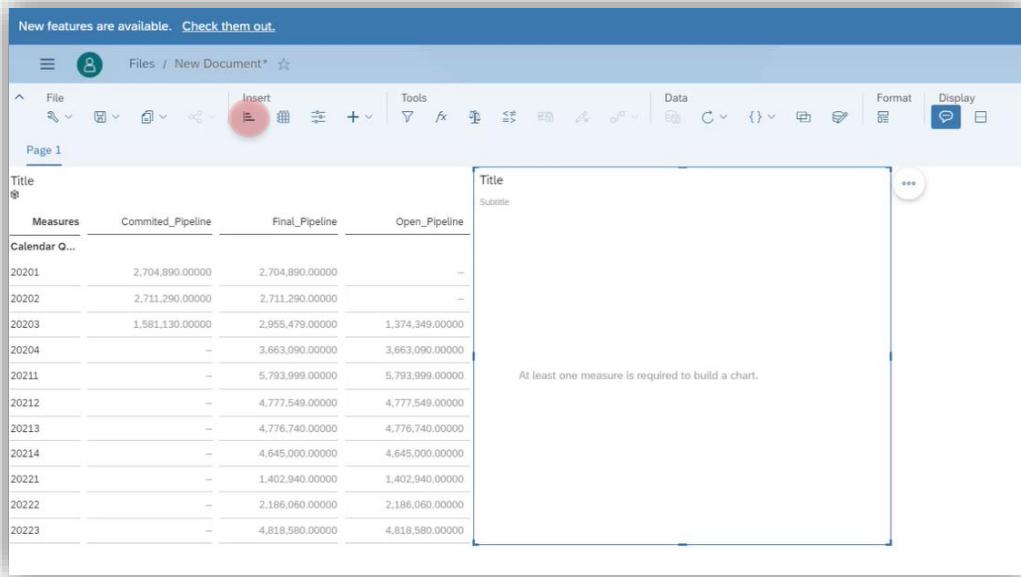
Title

Measures Committed_Pipeline Final_Pipeline Open_Pipeline

Calendar Q...

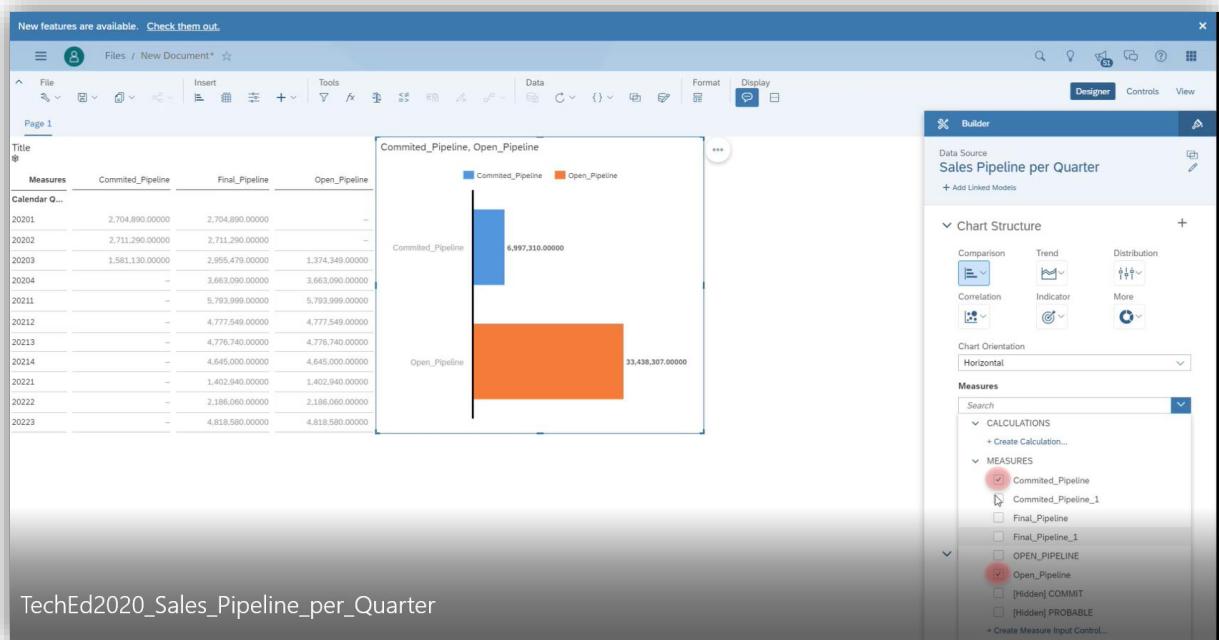
	Measures	Committed_Pipeline	Final_Pipeline	Open_Pipeline
20201		2,704,890.00000	2,704,890.00000	-
20202		2,711,290.00000	2,711,290.00000	-
20203		1,581,130.00000	2,955,479.00000	1,374,349.00000
20204		-	3,663,090.00000	3,663,090.00000
20211		-	5,793,999.00000	5,793,999.00000
20212		-	4,777,549.00000	4,777,549.00000
20213		-	4,776,740.00000	4,776,740.00000
20214		-	4,645,000.00000	4,645,000.00000
20221		-	1,402,940.00000	1,402,940.00000
20222		-	2,186,060.00000	2,186,060.00000
20223		-	4,818,580.00000	4,818,580.00000

13.) Click on *Add Chart* from the toolbar

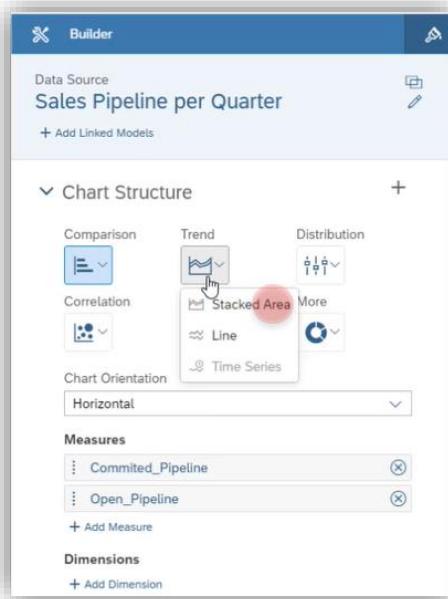


14.) In the *measures* section, select the measures

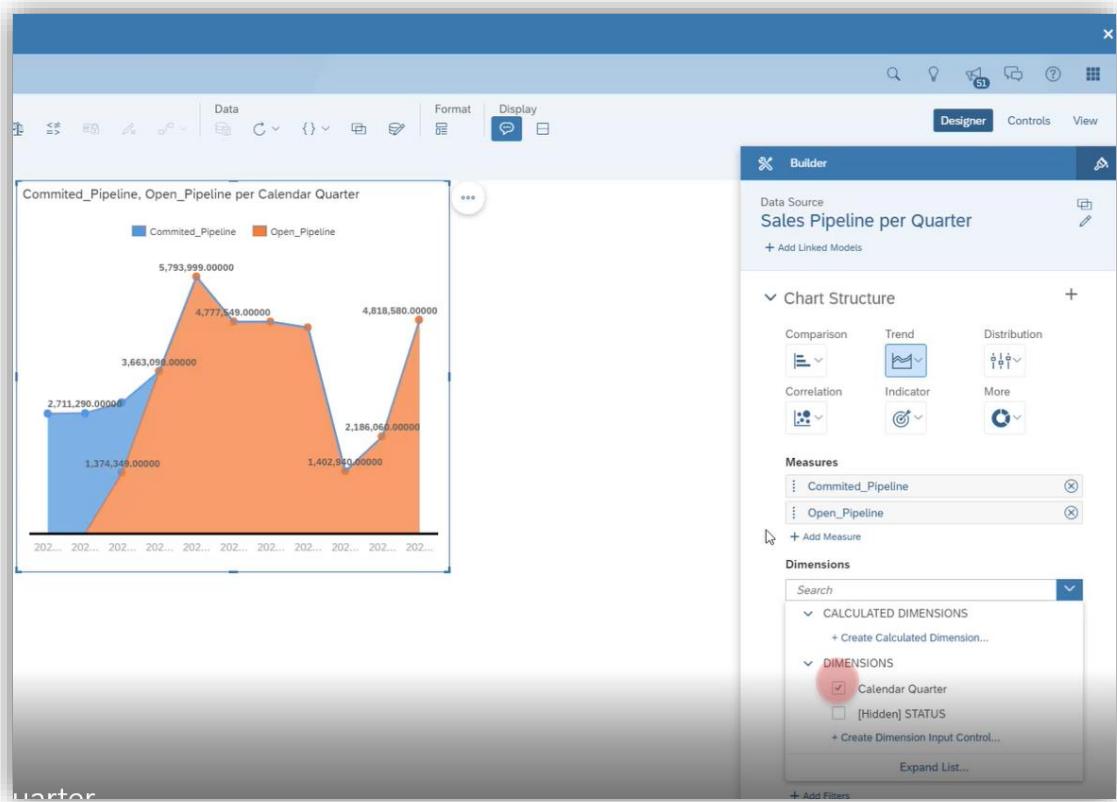
- **Committed Pipeline**
- **Open Pipeline**



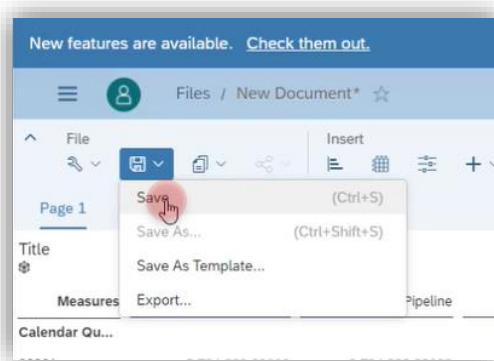
15.) Change the Chart type to *Stacked Area* chart



16.) In the Section *Dimensions* please select **Calendar Quarter**



17.) Save the story



18.) On the dialog enter *Sales Pipeline per Quarter* as the name

19.) Click on *OK* to confirm the input

Save

ZST_SALES_QUOTA_PIPE

All files

Name	Description	Owner
No Stories in this space		

*Name

Description

 Save