



PARTNER

openSAP - Building AI and Sustainability Solutions on SAP BTP

Week5 - Collaborative Enterprise Planning with SAP Analytics Cloud

Exercise03 – Maintenance Cost Planning Story

This document will guide you step by step on the process of creating SAP Analytics Cloud Story for Maintenance Cost Planning.

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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 SAP analytics Cloud story to enable user plan maintenance Cost

SCENARIO

This exercise follows the scenario you were introduced to in the demo Maintenance Cost & Sustainability Planning for Bagnoli & Co.

This exercise explains how to create SAP Analytics Cloud Story for Maintenance Cost Budgeting.

ENVIRONMENT ACCESS – SAP ANALYTICS CLOUD

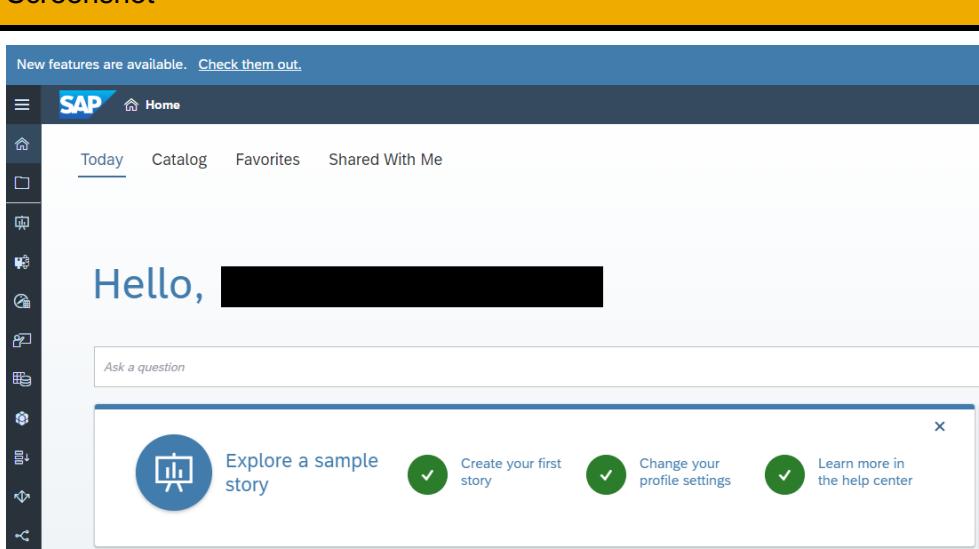
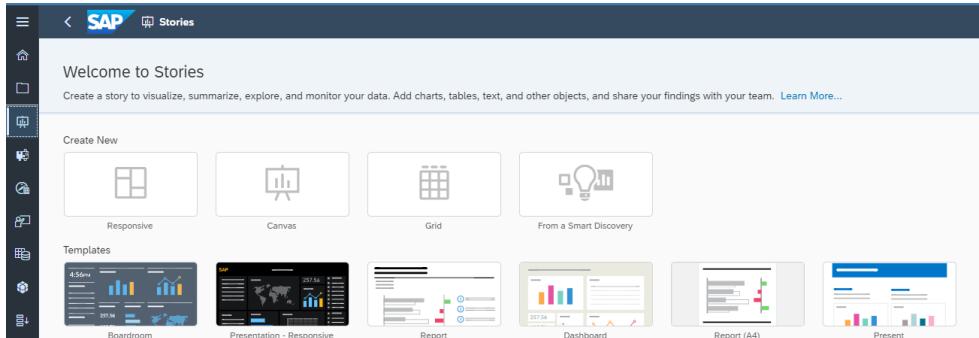
Before the exercise, please set up your SAP Analytics Cloud trial account via this tutorial: [Set up your SAP Analytics Cloud Trial Account](#)

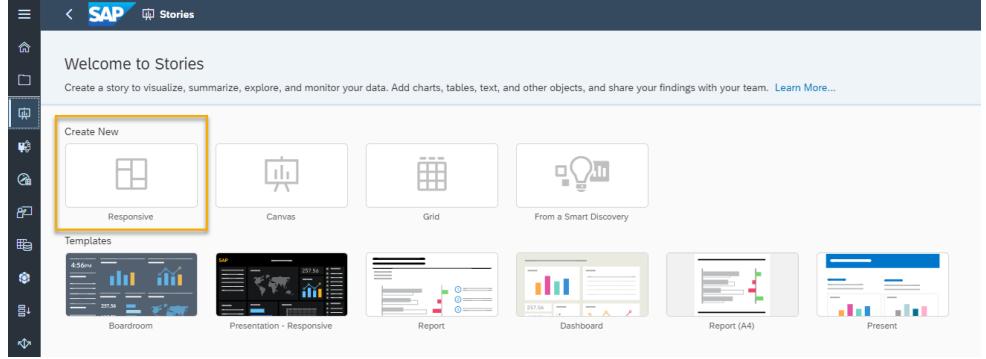
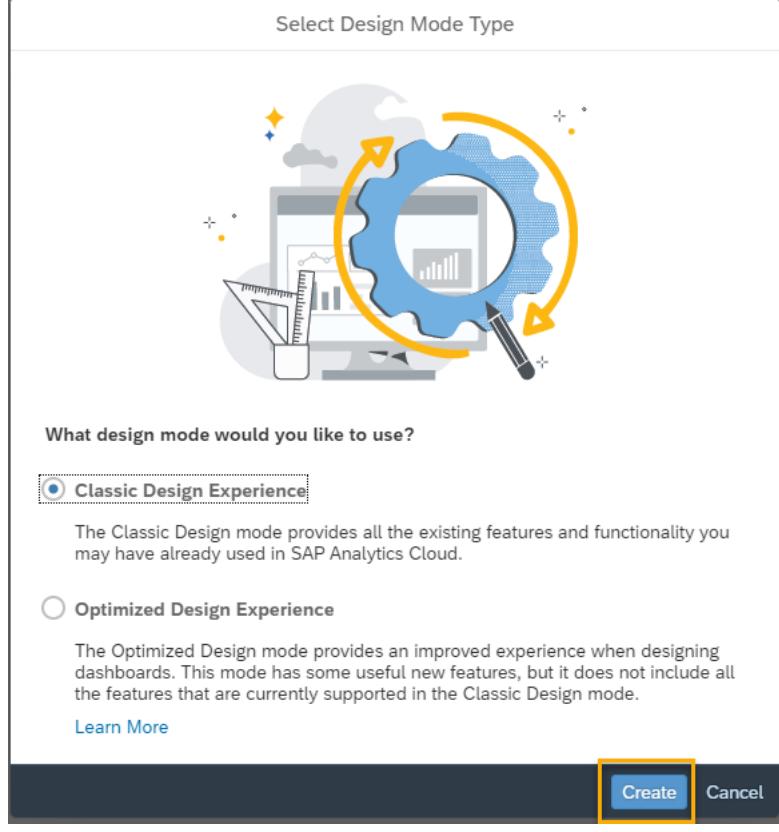
Please make sure you have already registered in order to be able to [Try SAP Analytics Cloud for free](#)

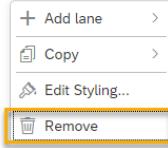
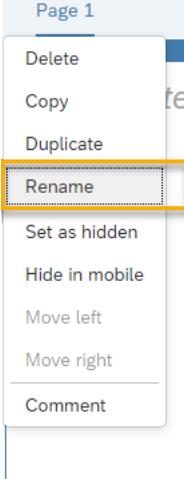
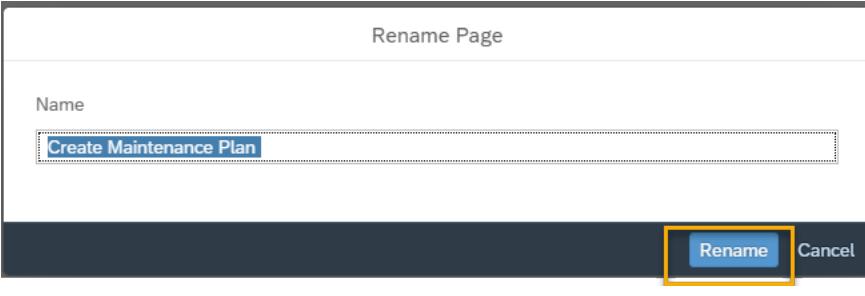
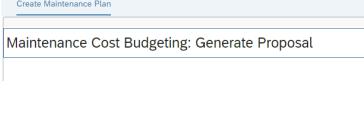
PREREQUISITES

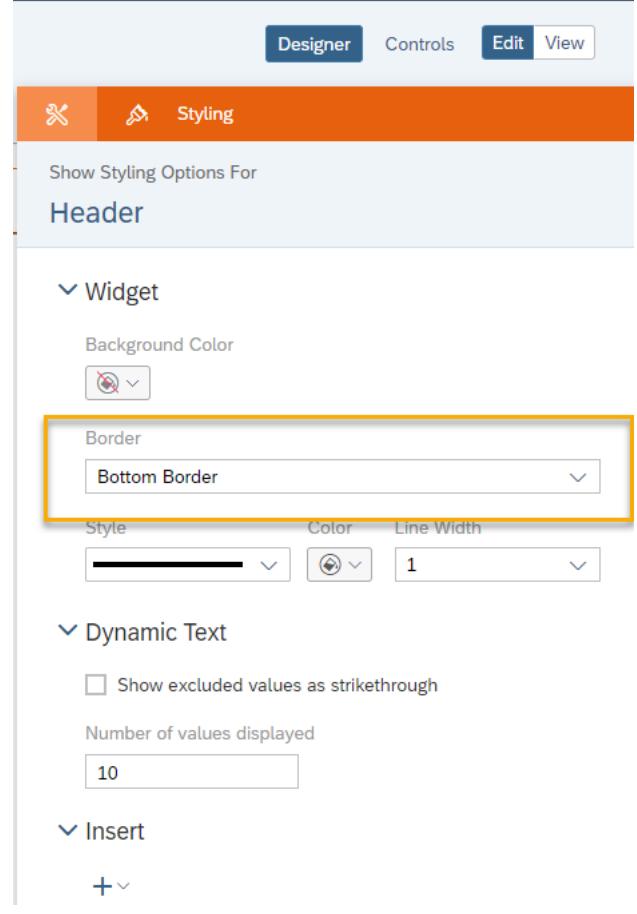
You have completed exercise 1 and 2.

EXERCISE STEP DETAILS

Explanation	Screenshot
<p>Log on to your SAP Analytics Cloud trial tenant account</p> <p>Go to the Home Screen.</p>	
<p>Click on the stories icon, the system opens home page for Stories.</p>	
<p>Click on Create New -> Responsive</p>	

Explanation	Screenshot
	 <p>The screenshot shows the SAP Analytics Cloud Stories interface. In the top left, there's a navigation bar with icons for Home, Back, and Stories. Below it is a search bar with placeholder text 'Search'. On the left side, there's a sidebar with various icons and a 'Create New' button highlighted with an orange box. The main area is titled 'Welcome to Stories' with the sub-instruction 'Create a story to visualize, summarize, explore, and monitor your data. Add charts, tables, text, and other objects, and share your findings with your team.' Below this, there are several options: 'Create New' (with 'Responsive' selected), 'Canvas', 'Grid', 'From a Smart Discovery', and 'Templates' (which includes 'Boardroom', 'Presentation - Responsive', 'Report', 'Dashboard', 'Report (A4)', and 'Present').</p>
<p>In the design mode selection pop up select Classic Design Experience and click Create</p>	 <p>The screenshot shows a modal dialog titled 'Select Design Mode Type'. It features a central illustration of a blue gear with a yellow outline, surrounded by icons of a smartphone, a laptop, a ruler, and a pencil, all set against a background of clouds and stars. Below the illustration, the text 'What design mode would you like to use?' is displayed. There are two radio buttons: one selected for 'Classic Design Experience' and one unselected for 'Optimized Design Experience'. A descriptive text block follows: 'The Classic Design mode provides all the existing features and functionality you may have already used in SAP Analytics Cloud.' Below this, a link 'Learn More' is present. At the bottom right of the dialog are two buttons: 'Create' (highlighted with an orange box) and 'Cancel'.</p>

Explanation	Screenshot
Right Click on the right lane and choose Remove	
Click on the Page 1 and select Rename	
Rename the page Create Maintenance Plan and click on Rename	
Click on the title and type "Maintenance Cost Budgeting: Generate Proposal"	

Explanation	Screenshot
<p>Click on Designer -> Styling and in the Border select Bottom Border.</p> <p>Click on Designer again to come out of the styling</p>	 <p>The screenshot shows the 'Styling' tab selected in the Designer ribbon. Under 'Widget', the 'Border' dropdown is set to 'Bottom Border'. Below it, the 'Style' dropdown shows a thick black line, and the 'Line Width' is set to 1. Other styling options like 'Color' and 'Text' are also visible.</p>
<p>In the Insert menu click on  to insert a table in the story</p>	 <p>The screenshot shows the Microsoft Word ribbon with the 'Insert' tab selected. In the 'Tables' group, the 'Table' icon is highlighted with a yellow box. The status bar at the bottom says 'Create Maintenance Plan'.</p>

Explanation	Screenshot																												
In the model selection pop up click on name and select other model	<p>Select Model</p> <p><input checked="" type="radio"/> Existing Model</p> <p><input type="radio"/> No Model</p> <p>Name</p> <input type="text"/> <p>Select other model...</p> <p>OK Cancel</p>																												
Select the maintenance cost budgeting model created in exercise 1	<p>Select Dataset or Model</p> <p>My Files</p> <table border="1"> <thead> <tr> <th></th> <th>Name</th> <th>All files</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td>Public</td> <td><input type="checkbox"/></td> <td>Public</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Samples</td> <td><input type="checkbox"/></td> <td>Samples</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Demo_MaintenanceCost</td> <td><input type="checkbox"/></td> <td>Maintenance Cost</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>MaintenanceCostBudgeting_00</td> <td><input checked="" type="checkbox"/></td> <td>Maintenance Cost</td> </tr> <tr> <td><input type="checkbox"/></td> <td>MaintenanceCostSecur</td> <td><input type="checkbox"/></td> <td>Maintenance Cost</td> </tr> <tr> <td><input type="checkbox"/></td> <td>maintenance_cost_per_month</td> <td><input type="checkbox"/></td> <td>-</td> </tr> </tbody> </table> <p>Cancel</p>		Name	All files	Description	<input type="checkbox"/>	Public	<input type="checkbox"/>	Public	<input type="checkbox"/>	Samples	<input type="checkbox"/>	Samples	<input type="checkbox"/>	Demo_MaintenanceCost	<input type="checkbox"/>	Maintenance Cost	<input checked="" type="checkbox"/>	MaintenanceCostBudgeting_00	<input checked="" type="checkbox"/>	Maintenance Cost	<input type="checkbox"/>	MaintenanceCostSecur	<input type="checkbox"/>	Maintenance Cost	<input type="checkbox"/>	maintenance_cost_per_month	<input type="checkbox"/>	-
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Explanation	Screenshot						
The table shows the Maintenance Cost Local Currency Measure and version -> Actual	<p>Maintenance Cost Budgeting: Generate Proposal</p> <p>MaintenanceCostBudgeting_00 in EUR</p> <table border="1"> <thead> <tr> <th>Measures</th> <th>Maintenance Cost in Local Currency</th> </tr> <tr> <th>Version</th> <th>Actual</th> </tr> </thead> <tbody> <tr> <td></td> <td>265,000.00</td> </tr> </tbody> </table>	Measures	Maintenance Cost in Local Currency	Version	Actual		265,000.00
Measures	Maintenance Cost in Local Currency						
Version	Actual						
	265,000.00						

Version Management

We need to create the Proactive Maintenance and Cyclic Maintenance Version to simulate the Plan cost of each version. To create these versions, follow the below steps,

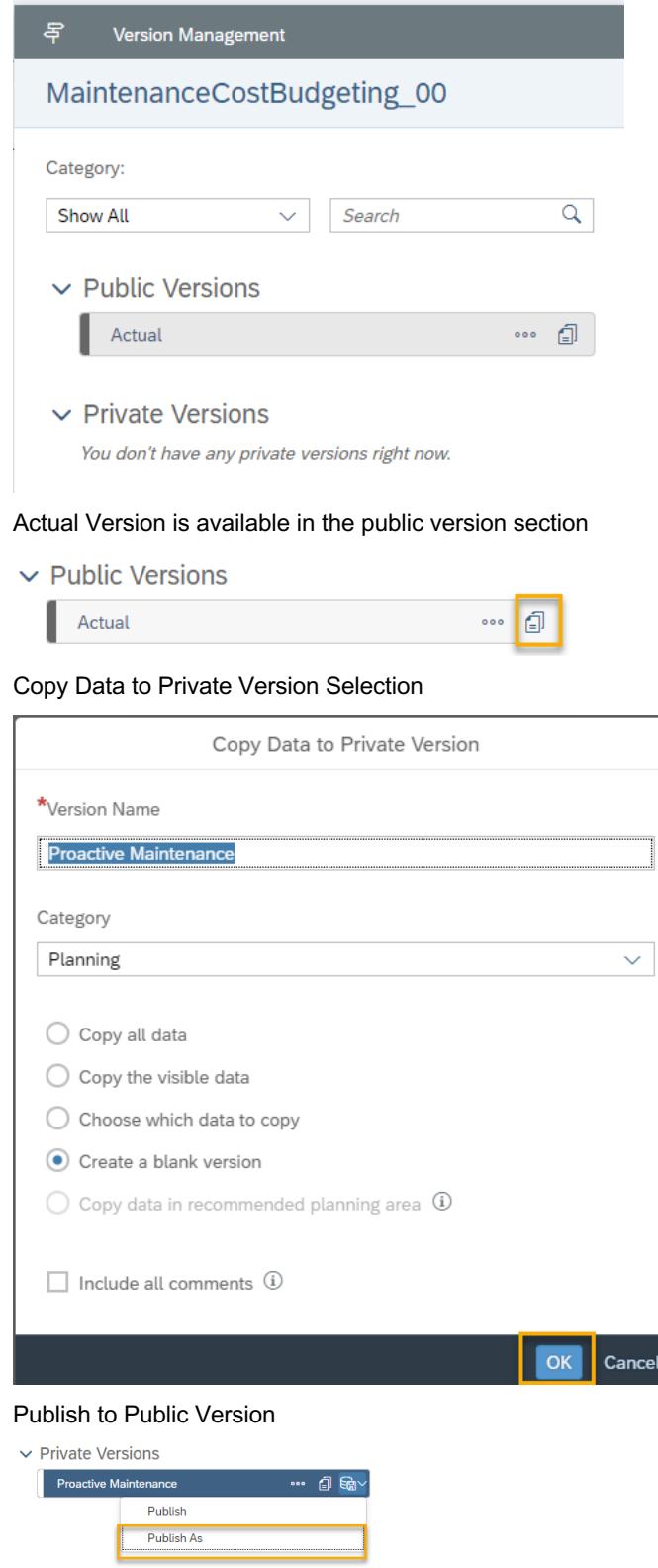
- Click on the table and select the  (Version Management) in the tools menu
- The Version Management dialog appears
- In the Public Versions section Actual Version is available. Click  on 
- Copy Data to Private Version

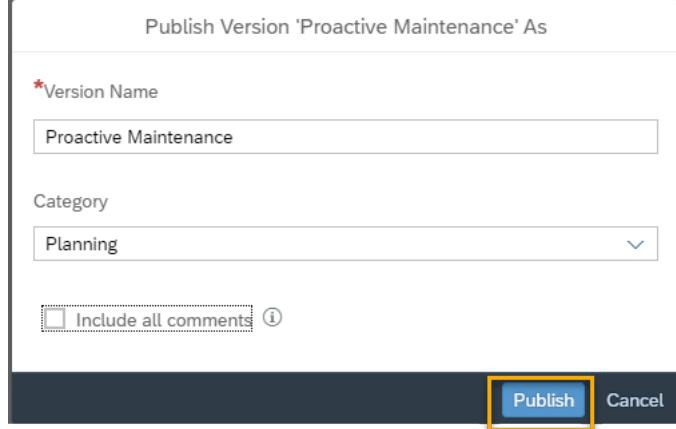
Maintenance Cost Budgeting: Generate Proposal

MaintenanceCostBudgeting_00
in EUR

Measures	Maintenance Cost in Local Currency
Version	Actual
	265,000.00

Version Management

Explanation	Screenshot
<p>screen appears. Provide following values</p> <ul style="list-style-type: none"> ○ Version Name: Proactive Maintenance ○ Category: Planning ○ Create Blank version <ul style="list-style-type: none"> • Click OK • System creates a private version. We need this version available for all users so we will publish this version as public version. <p> Click  and select publish as</p> <ul style="list-style-type: none"> • Provide Name: Proactive Maintenance & Category Planning & click on Publish • Repeat the same task to create public version for Cyclic Maintenance and call it "Cyclic Maintenance". • Also create public version to store final maintenance Budget. Call it "Maintenance Plan" • After completing the steps, you will have 4 public versions 	 <p>MaintenanceCostBudgeting_00</p> <p>Category: Show All Search</p> <p>Public Versions Actual ... </p> <p>Private Versions You don't have any private versions right now.</p> <p>Actual Version is available in the public version section</p> <p>Public Versions Actual ... </p> <p>Copy Data to Private Version Selection</p> <p>Copy Data to Private Version</p> <p>*Version Name: Proactive Maintenance</p> <p>Category: Planning</p> <p><input type="radio"/> Copy all data <input type="radio"/> Copy the visible data <input type="radio"/> Choose which data to copy <input checked="" type="radio"/> Create a blank version <input type="radio"/> Copy data in recommended planning area <small>(i)</small></p> <p><input type="checkbox"/> Include all comments <small>(i)</small></p> <p>OK Cancel</p> <p>Publish to Public Version</p> <p>Private Versions Proactive Maintenance ...  <input type="button" value="Publish As"/></p>

Explanation	Screenshot																		
<ul style="list-style-type: none"> • Close the Version Management dialogue. 	<p>Publish Proactive Maintenance Version</p>  <p>*Version Name Proactive Maintenance</p> <p>Category Planning</p> <p><input type="checkbox"/> Include all comments ⓘ</p> <p>Publish Cancel</p> <p>▼ Public Versions</p> <table border="1"> <tr> <td>Actual</td> <td>...</td> <td></td> </tr> <tr> <td>Proactive Maintenance</td> <td>...</td> <td></td> </tr> </table> <p>All Public Versions</p> <p>▼ Public Versions</p> <table border="1"> <tr> <td>Actual</td> <td>...</td> <td></td> </tr> <tr> <td>Cyclic Maintenance</td> <td>...</td> <td></td> </tr> <tr> <td>Maintenance Plan</td> <td>...</td> <td></td> </tr> <tr> <td>Proactive Maintenance</td> <td>...</td> <td></td> </tr> </table> <p>Close Version Management</p>	Actual	...		Proactive Maintenance	...		Actual	...		Cyclic Maintenance	...		Maintenance Plan	...		Proactive Maintenance	...	
Actual	...																		
Proactive Maintenance	...																		
Actual	...																		
Cyclic Maintenance	...																		
Maintenance Plan	...																		
Proactive Maintenance	...																		

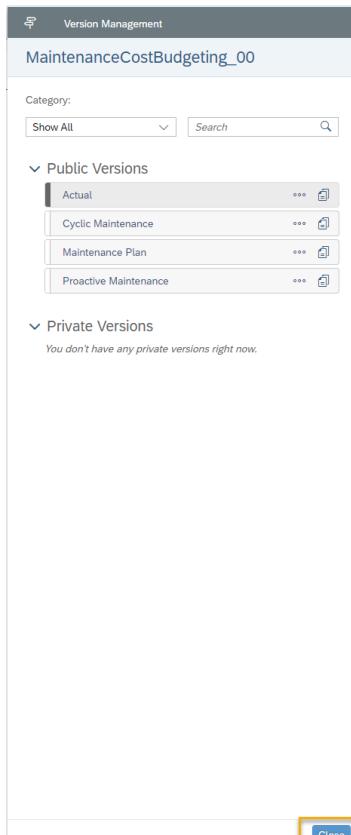
Explanation	Screenshot
	

Table Configuration

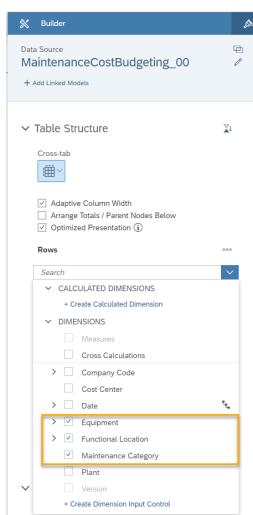
In the next steps we will configure the table control.

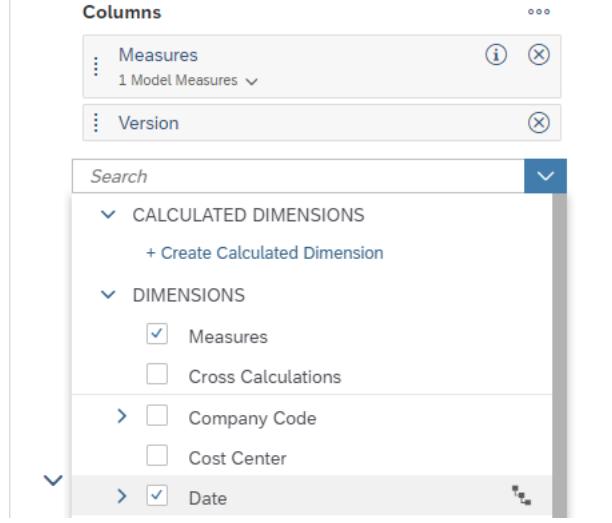
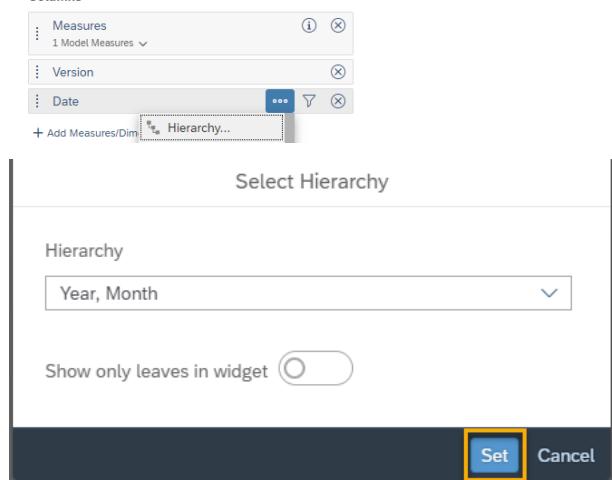
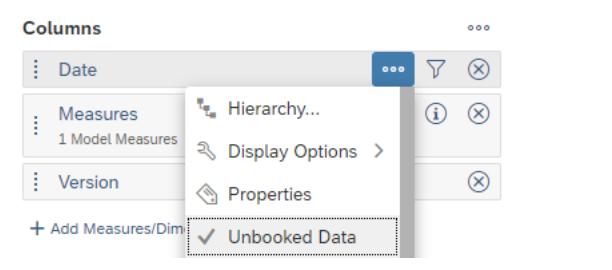
Click on the table and navigate to Designer -> Builder.

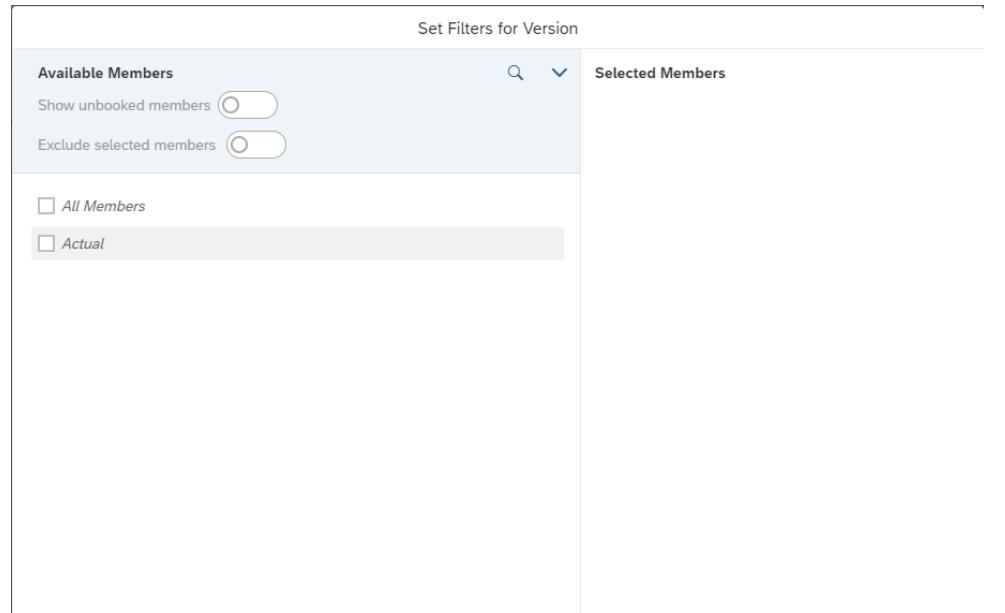
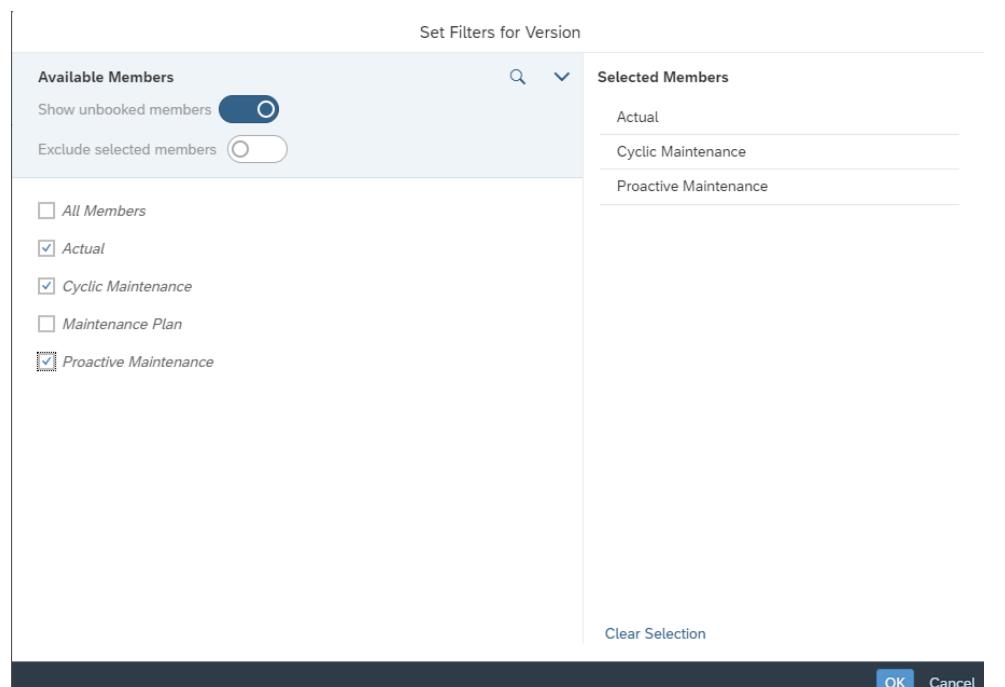
In the Rows section click on [+ Add Measures/Dimensions](#) and select following dimensions,

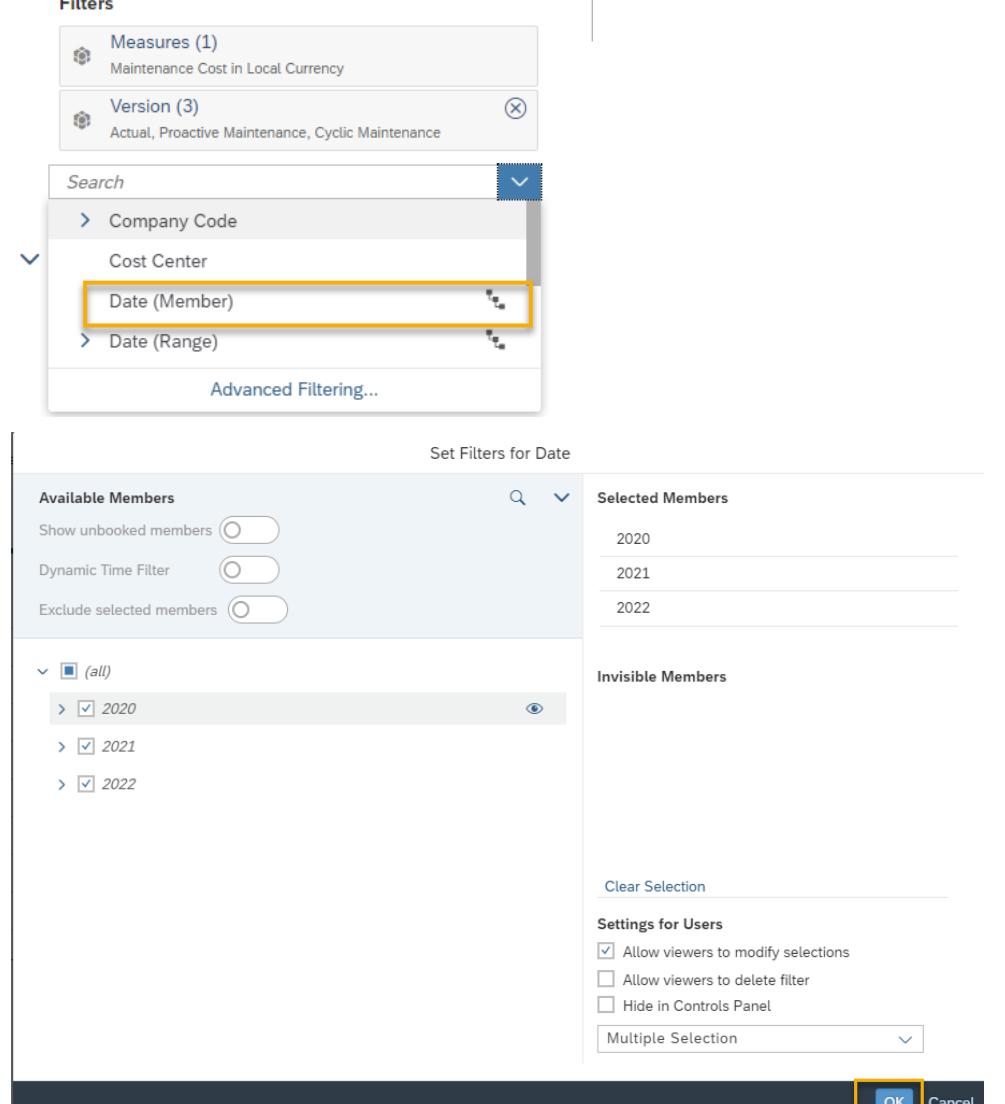
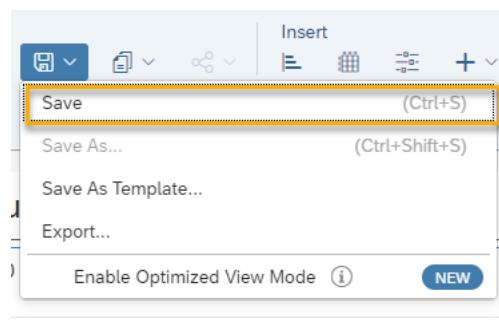
- Functional Location
- Equipment
- Maintenance Category

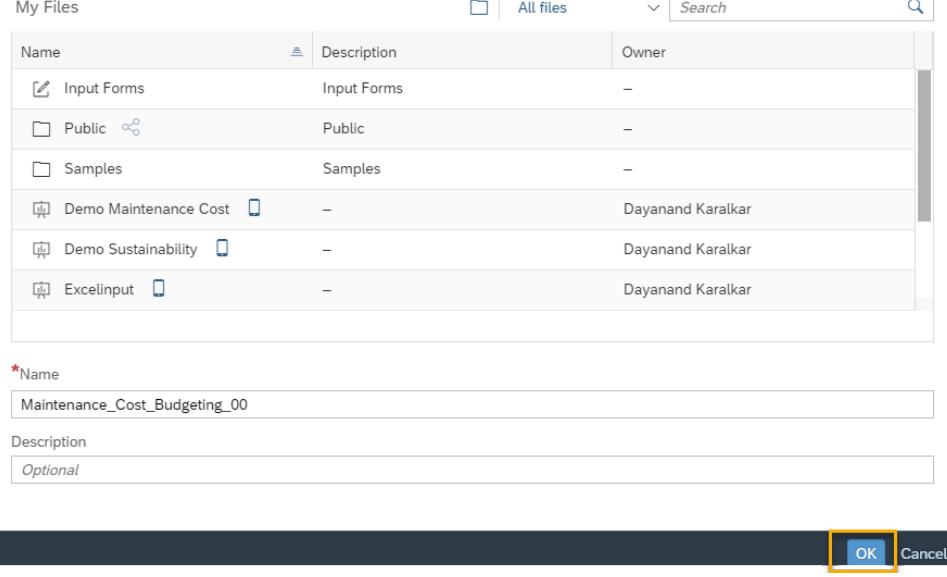
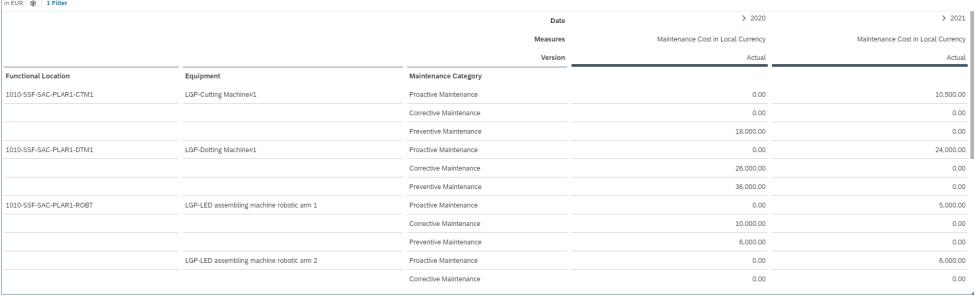
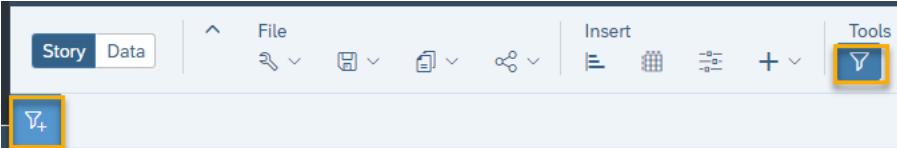
Table Row Configuration

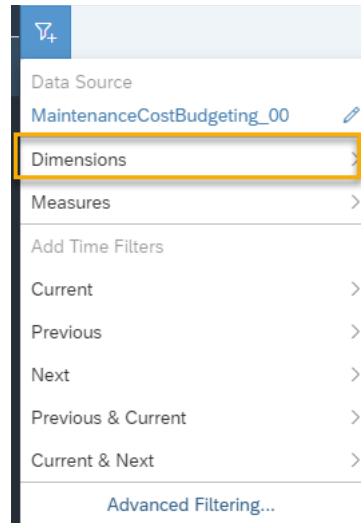
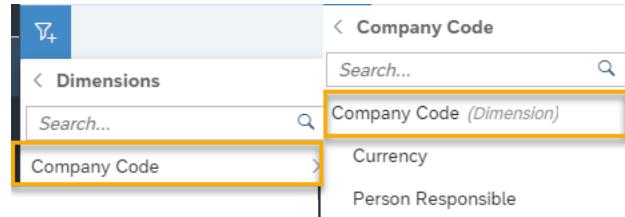
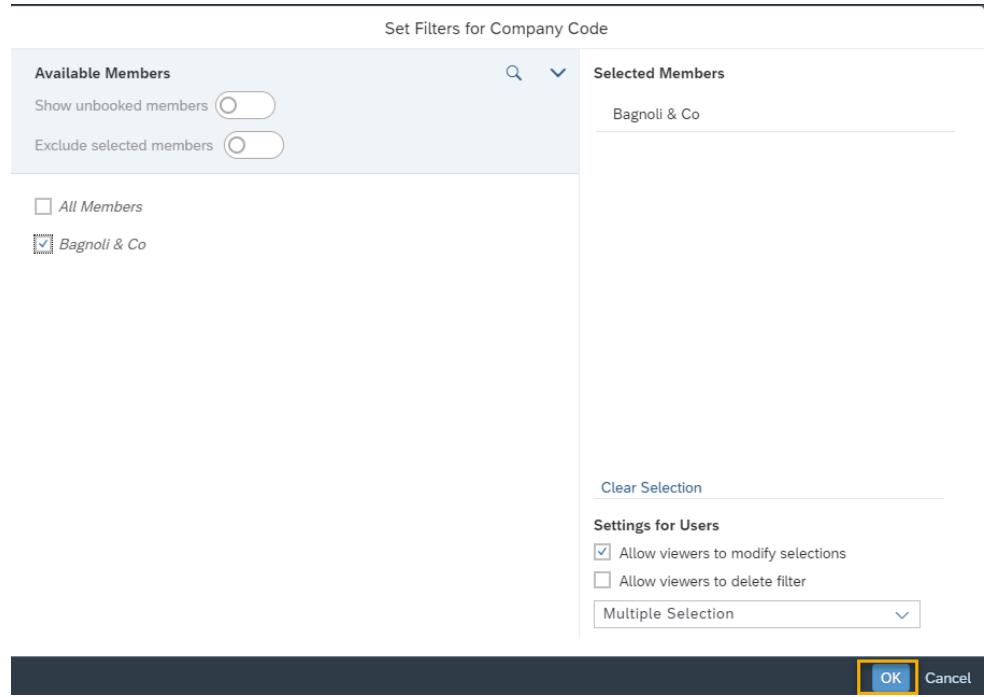


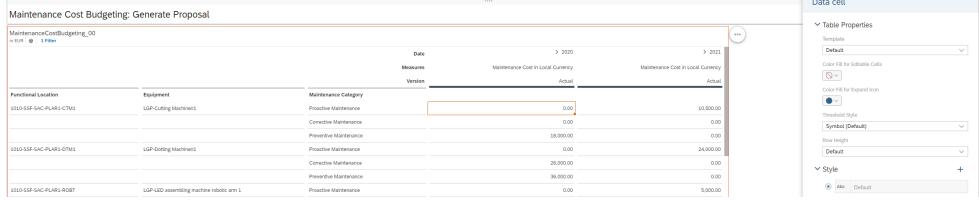
Explanation	Screenshot
<p>In the Column Section Version and Measure is available already. Add Date dimension in the column section by clicking + Add Measures/Dimensions in the column section</p>	 <p>The screenshot shows the 'Columns' configuration interface. Under the 'Measures' section, there is a list of '1 Model Measures'. Below it, the 'Version' dimension is listed. A search bar labeled 'Search' is present. Under the 'DIMENSIONS' section, several options are shown: 'Measures' (checked), 'Cross Calculations' (unchecked), 'Company Code' (unchecked), 'Cost Center' (unchecked), and 'Date' (checked). The 'Date' dimension is highlighted with a blue selection bar.</p>
<p>Click on  beside the Date dimension and click on Hierarchy. Select Year, Month as hierarchy and click on Set</p>	 <p>The screenshot shows the 'Select Hierarchy' dialog box. It displays a dropdown menu with 'Year, Month' selected. Below the dropdown is a toggle switch labeled 'Show only leaves in widget'. At the bottom of the dialog are two buttons: 'Set' (highlighted with an orange box) and 'Cancel'.</p>
<p>Move the Date dimension as the first dimension in the column and untick the Unbooked Data Column</p>	 <p>The screenshot shows the 'Columns' configuration interface again. The 'Date' dimension is now at the top of the list. A context menu is open over the 'Date' dimension, showing options: 'Hierarchy...', 'Display Options', 'Properties', and 'Unbooked Data' (which has a checked checkbox). The 'Unbooked Data' option is highlighted with a dashed box.</p>

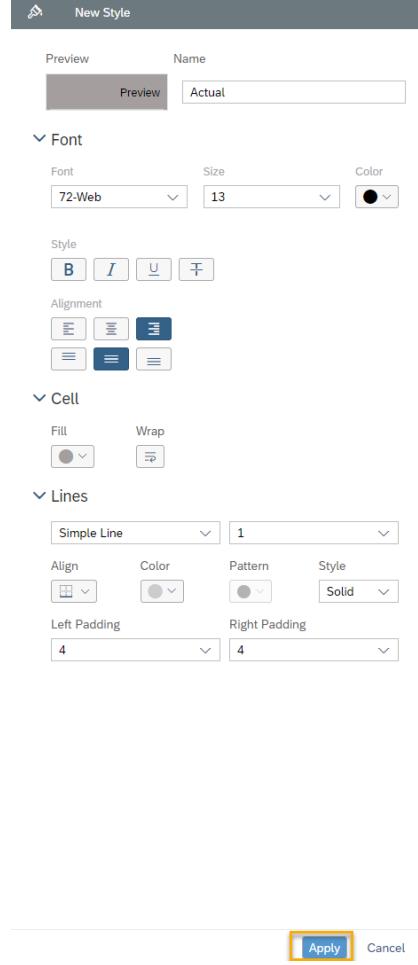
Explanation	Screenshot
<p>In the Filters section click on Version Dimension. Remove all the versions in the selected member. Select “Show unbooked members” and select versions: Actual, Cyclic Maintenance and Proactive Maintenance and click OK</p>	 <p>The screenshot shows the 'Set Filters for Version' dialog. On the left, under 'Available Members', the 'Show unbooked members' switch is off. Under 'Selected Members', 'All Members' is listed with an unchecked checkbox. At the bottom right are 'OK' and 'Cancel' buttons.</p>
	 <p>The screenshot shows the 'Set Filters for Version' dialog. On the left, under 'Available Members', the 'Show unbooked members' switch is on. Under 'Selected Members', 'Actual', 'Cyclic Maintenance', and 'Proactive Maintenance' are listed with checked checkboxes. At the bottom right are 'OK' and 'Cancel' buttons.</p>

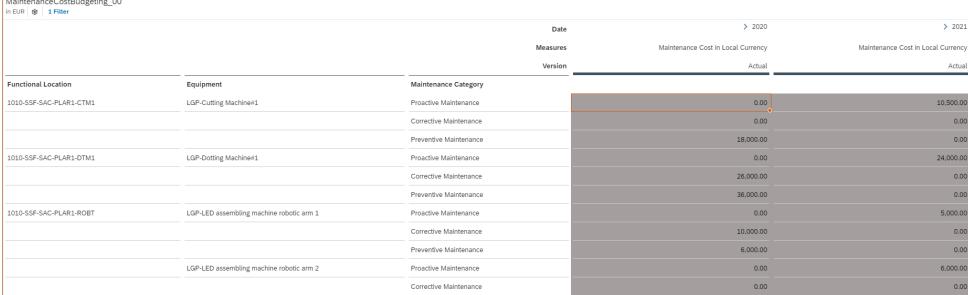
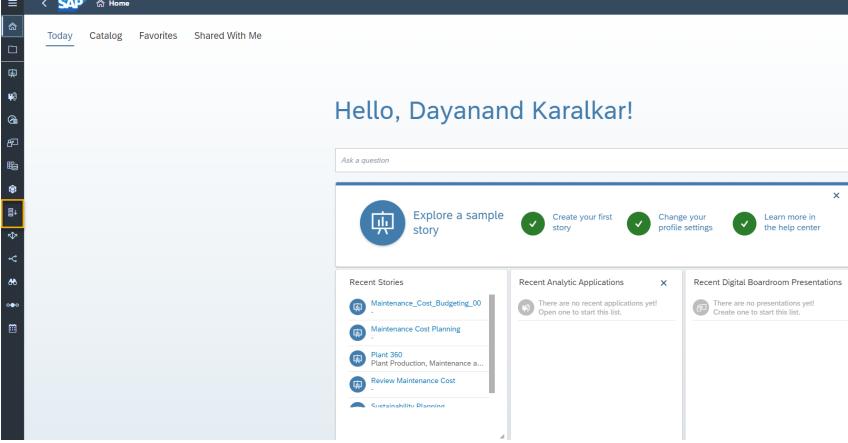
Explanation	Screenshot
<p>In the Filters section click on + Add Filters and select Date (Member). Select 2020,2021 and 2022 and click OK</p>	 <p>The screenshot shows the 'Set Filters for Date' dialog. In the 'Available Members' section, checkboxes for '2020', '2021', and '2022' are checked. In the 'Selected Members' section, '2020', '2021', and '2022' are listed. The 'OK' button at the bottom right is highlighted with a yellow box.</p>
<p>Click on  to Save the story.</p>	 <p>The screenshot shows a context menu with several options: 'Save', 'Save As...', 'Save As Template...', 'Export...', 'Enable Optimized View Mode', and 'NEW'. The 'Save' option is highlighted with a yellow box.</p>

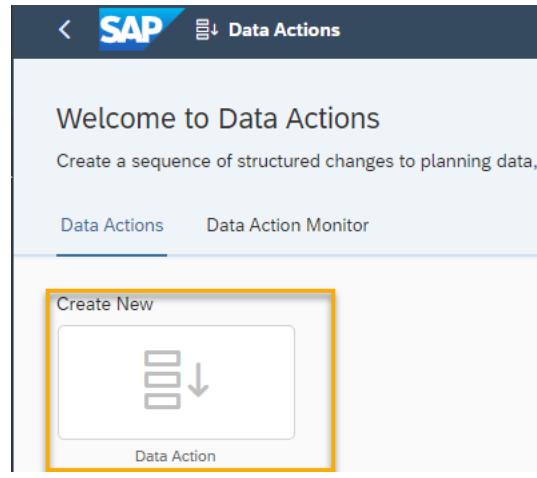
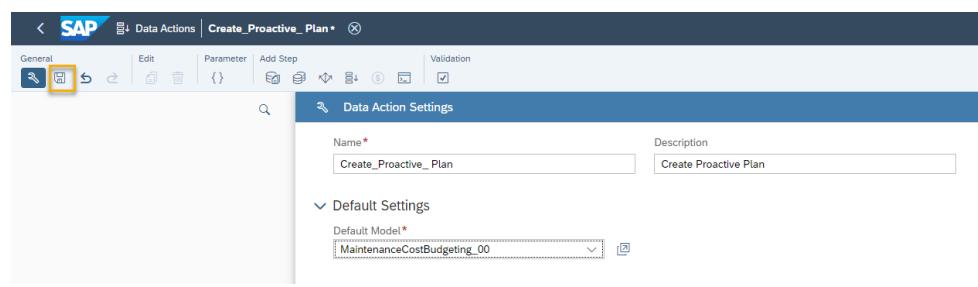
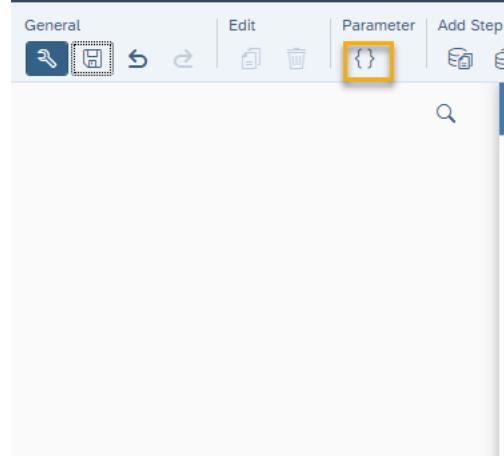
Explanation	Screenshot
<p>Provide Name Maintenance_Cost_Budgeting_XX and click on Ok</p>	 <p>*Name Maintenance_Cost_Budgeting_00</p> <p>Description <i>Optional</i></p> <p style="text-align: right;">OK Cancel</p>
<p>Expand the table to view the data.</p>	
<p>Maintenance planners will plan for their own company codes, Plants, and functional locations. Include story filter to select these dimensions</p> <p>Click  in the tools section, The add story filter function is added to the story</p>	<h3 data-bbox="698 1262 926 1305">Story Filters</h3> 

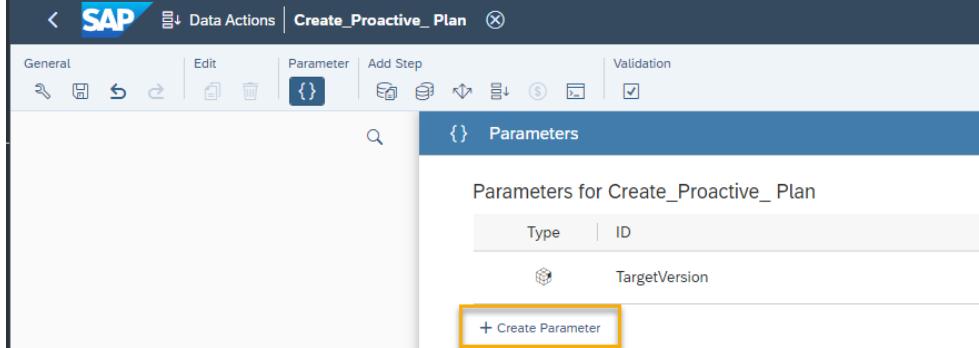
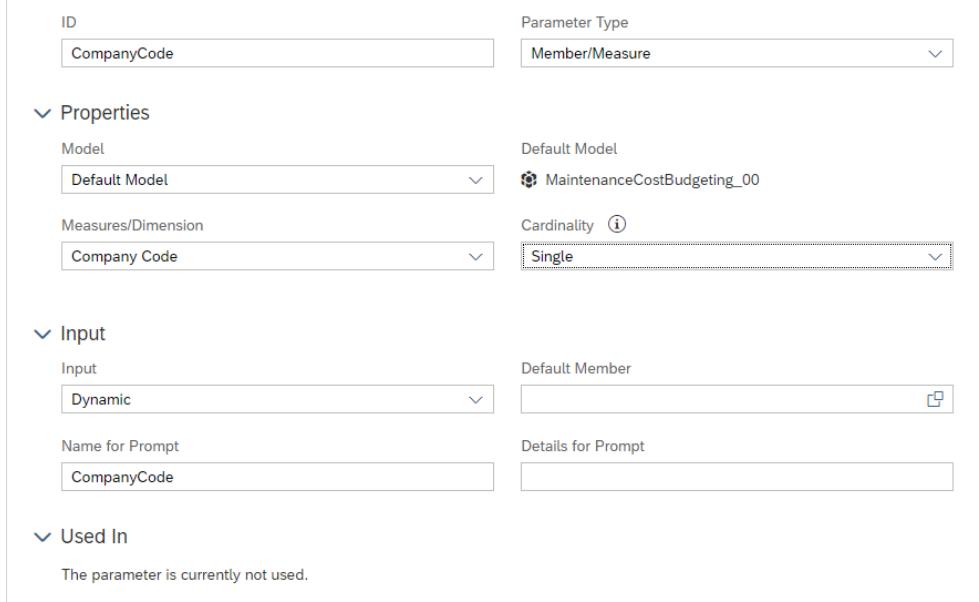
Explanation	Screenshot
Click on Add Story Filter and select Dimension	 <p>The screenshot shows the SAP Fiori Story Filter configuration interface. At the top, there's a 'Data Source' section with a 'MaintenanceCostBudgeting_00' entry. Below it is a 'Dimensions' button, which is highlighted with a yellow box. Other buttons include 'Measures', 'Add Time Filters', and various time-related options like 'Current', 'Previous', 'Next', 'Previous & Current', and 'Current & Next'. At the bottom, there's a link 'Advanced Filtering...'.</p>
Click on Company Code and select Company Code (Dimension)	 <p>The screenshot shows a modal dialog for selecting a dimension. It has a search bar at the top right. Below it is a list with 'Company Code' highlighted with a yellow box. Other items in the list are 'Currency' and 'Person Responsible'.</p>
Select the master data members and click OK	 <p>The screenshot shows the 'Set Filters for Company Code' dialog. On the left, under 'Available Members', there are two toggle buttons: 'Show unbooked members' (off) and 'Exclude selected members' (off). Below them are checkboxes for 'All Members' (unchecked) and 'Bagnoli & Co' (checked). On the right, under 'Selected Members', 'Bagnoli & Co' is listed. At the bottom, there are buttons for 'Clear Selection', 'Settings for Users' (with checkboxes for 'Allow viewers to modify selections' checked and 'Allow viewers to delete filter' unchecked), and 'Multiple Selection' dropdown. The 'OK' button is highlighted with a yellow box.</p>
Repeat the above steps to include story filters for	 <p>The screenshot shows the SAP Fiori Story Filter configuration interface again. At the top, there are four buttons representing selected dimensions: 'Company Code (1)', 'Plant (1)', 'Cost Center (1)', and 'Functional Location (3)'. Each button has a small icon and some descriptive text.</p>

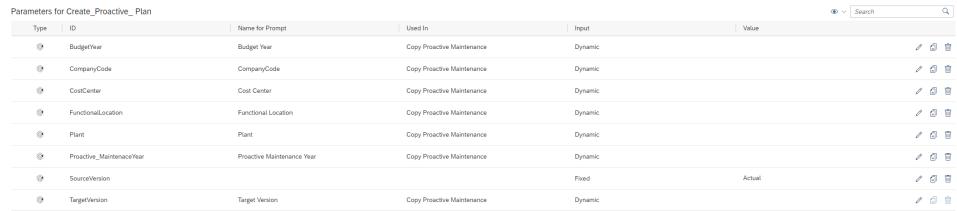
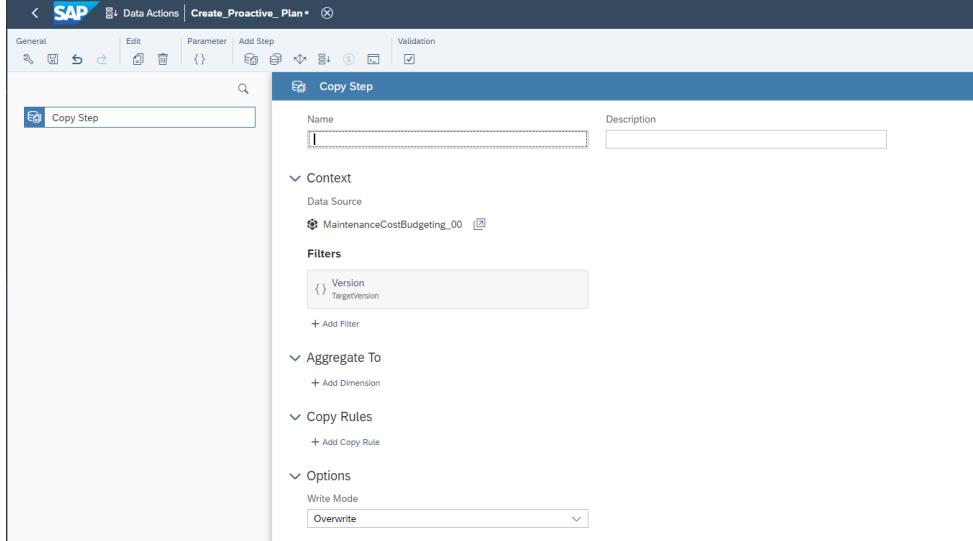
Explanation	Screenshot																																																								
Plant, Cost Center and Functional Location																																																									
Styling Rules																																																									
The actual data should not be editable in the table interface. Styling Rules will be defined to make the actual data read only and to distinguish between editable and non-editable cells																																																									
Select any cell in the actual column and click on  in the Designer section	 <p>Maintenance Cost Budgeting: Generate Proposal</p> <p>MaintenanceCostBudgeting_OO</p> <table border="1"> <thead> <tr> <th>Functional Location</th> <th>Equipment</th> <th>Maintenance Category</th> <th>Date</th> <th>Measures</th> <th>Version</th> <th>Maintenance Cost in Local Currency</th> <th>Maintenance Cost in Local Currency</th> </tr> </thead> <tbody> <tr> <td>1010-SGF-GAC-PLA95-CTM1</td> <td>LGP-Cutting Machines</td> <td>Positive Maintenance</td> <td>> 2020</td> <td>Actual</td> <td>> 2021</td> <td>10,000.00</td> <td>10,000.00</td> </tr> <tr> <td>1010-SGF-GAC-PLA95-CTM1</td> <td>LGP-Cutting Machines</td> <td>Corrective Maintenance</td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td>1010-SGF-GAC-PLA95-CTM1</td> <td>LGP-Cutting Machines</td> <td>Preventive Maintenance</td> <td></td> <td></td> <td></td> <td>18,000.00</td> <td>18,000.00</td> </tr> <tr> <td>1010-SGF-GAC-PLA95-CTM1</td> <td>LGP-Cutting Machines</td> <td>Corrective Maintenance</td> <td></td> <td></td> <td></td> <td>26,000.00</td> <td>26,000.00</td> </tr> <tr> <td>1010-SGF-GAC-PLA95-CTM1</td> <td>LGP-Cutting Machines</td> <td>Preventive Maintenance</td> <td></td> <td></td> <td></td> <td>36,000.00</td> <td>36,000.00</td> </tr> <tr> <td>1010-SGF-GAC-PLA95-LBOT</td> <td>LGP-LED assembling machine robotic arm 1</td> <td>Positive Maintenance</td> <td></td> <td></td> <td></td> <td>0.00</td> <td>5,000.00</td> </tr> </tbody> </table> <p>Data cell</p> <p>Table Properties</p> <p>Template: Default</p> <p>Code for Editable Cells: <input checked="" type="checkbox"/></p> <p>Code for Expand Icon: <input checked="" type="checkbox"/></p> <p>Format Item: Symbol (Default)</p> <p>Icon Height: Default</p> <p>Style</p>	Functional Location	Equipment	Maintenance Category	Date	Measures	Version	Maintenance Cost in Local Currency	Maintenance Cost in Local Currency	1010-SGF-GAC-PLA95-CTM1	LGP-Cutting Machines	Positive Maintenance	> 2020	Actual	> 2021	10,000.00	10,000.00	1010-SGF-GAC-PLA95-CTM1	LGP-Cutting Machines	Corrective Maintenance				0.00	0.00	1010-SGF-GAC-PLA95-CTM1	LGP-Cutting Machines	Preventive Maintenance				18,000.00	18,000.00	1010-SGF-GAC-PLA95-CTM1	LGP-Cutting Machines	Corrective Maintenance				26,000.00	26,000.00	1010-SGF-GAC-PLA95-CTM1	LGP-Cutting Machines	Preventive Maintenance				36,000.00	36,000.00	1010-SGF-GAC-PLA95-LBOT	LGP-LED assembling machine robotic arm 1	Positive Maintenance				0.00	5,000.00
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Click on  in the Style option to add a new style	 <p>Style</p> <p>+</p> <p>Abc Default</p>																																																								

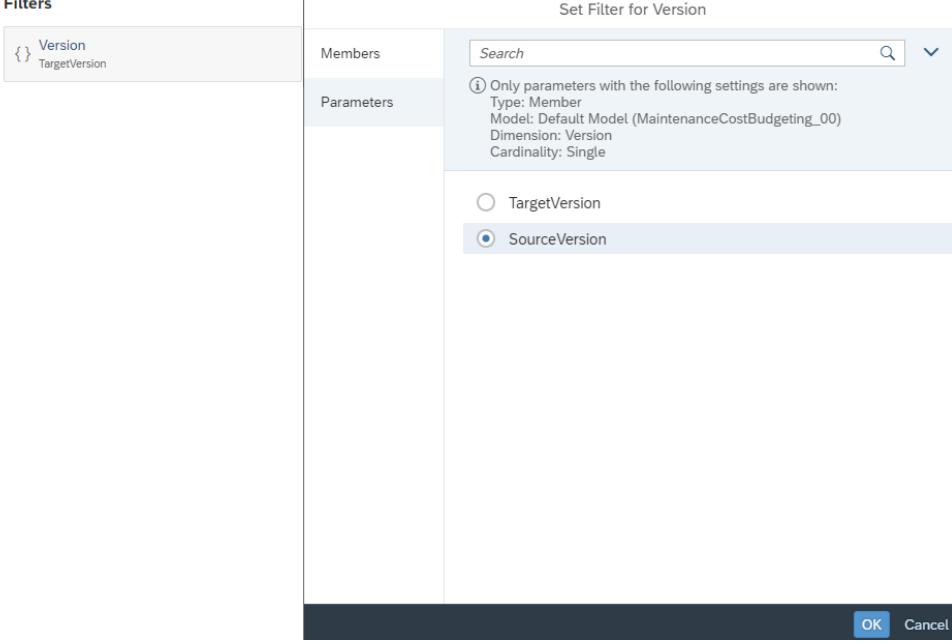
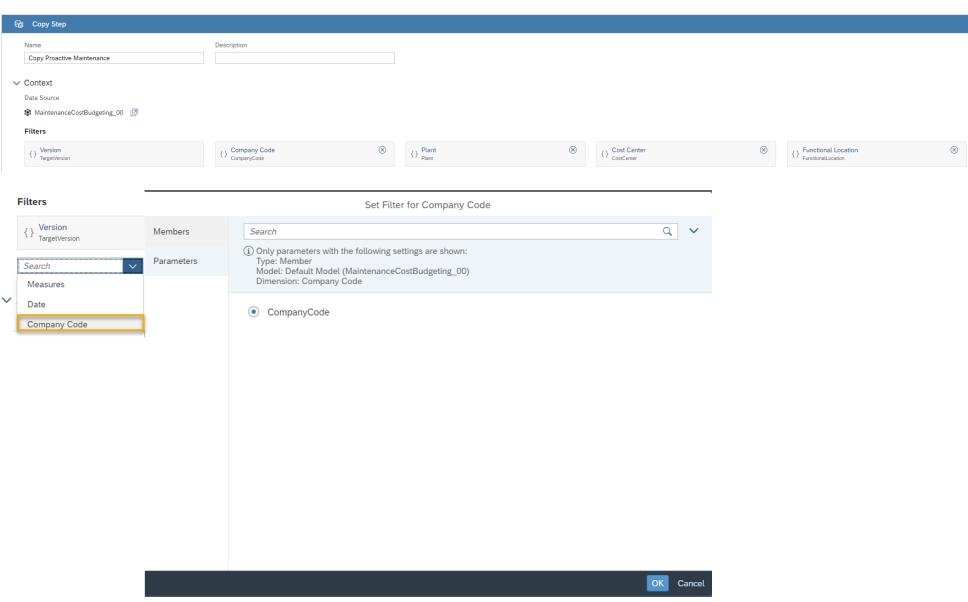
Explanation	Screenshot																																			
<p>Name the Style as Actual. In the Cell select Cell Fill as Grey and click Apply</p>																																				
<p>Click on + in the Styling Rules section to add a new Styling Rule</p>	<p>Styling Rules</p> <p>+</p> <p><small>(i) Styling Rule which is listed at the top overrules the ones listed below.</small></p>																																			
<p>Name the Styling rule as Actual. Configure the content section as shown in the screenshot</p>	<p>Content</p> <table border="1"> <thead> <tr> <th>Dimension</th> <th>Data</th> <th>Header</th> <th>Member</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>Date</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>1</td> <td>All</td> </tr> <tr> <td>Equipment</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>1</td> <td>All</td> </tr> <tr> <td>Functional Location</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>1</td> <td>All</td> </tr> <tr> <td>Maintenance Category</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>1</td> <td>All</td> </tr> <tr> <td>Measures</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>1</td> <td>All</td> </tr> <tr> <td>Version</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>1</td> <td>Self</td> </tr> </tbody> </table>	Dimension	Data	Header	Member	Level	Date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	All	Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	All	Functional Location	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	All	Maintenance Category	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	All	Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	All	Version	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	Self
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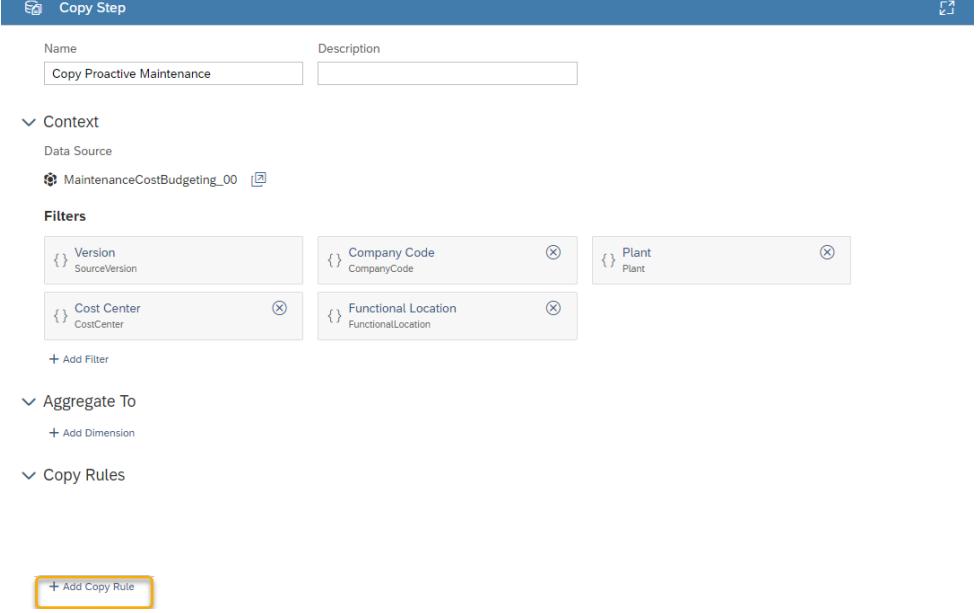
Explanation	Screenshot
<p>Select Style -> Actual & Read Only setting as Read-Only. Click Ok</p>	<p>Style</p>  <p>Cell Properties</p> <p>Read-only Settings</p> 
<p>Actuals are greyed out and are not editable</p>	
<p>Save the story and navigate back to the home screen</p>	
<h2 data-bbox="693 1051 926 1089">Data Actions</h2>	
<p>The maintenance planner would like to generate plan for 2022 based on the historical data. In This section will create Data actions to generate maintenance plan based on history</p>	
<p>Click on  in the SAP Analytics Cloud home page to open the Data Action page</p>	

Explanation	Screenshot
In the Data Actions page click on Create New	
Provide the below information and click on Save Name: Create_Proactive_Plan_XX Description: Create Proactive Plan Default Model: MaintenanceCostBudgeting_XX	
Parameter { } Click on { } to define the user selection for the data action	

Explanation	Screenshot																																										
<p>In the parameter screen click on Create Parameter</p>																																											
<p>Provide Following values ID: CompanyCode Measure Dimension: Company Code Cardinality: Single Input: Dynamic Name for Prompt: Company Code Click Done</p>																																											
<p>Repeat the same steps to Create the following parameters</p> <ul style="list-style-type: none"> • Plant • CostCenter • Functional Location • Proactive_MaintenanceYear • BudgetYear • Version 	<table border="1" data-bbox="481 1298 1460 1890"> <thead> <tr> <th>ID</th> <th>Measure/Dimension</th> <th>Cardinality</th> <th>Input</th> <th>Hierarchy</th> <th>Level</th> <th>Name for Prompt</th> </tr> </thead> <tbody> <tr> <td>Plant</td> <td>Plant</td> <td>Single</td> <td>Dynamic</td> <td>Not applicable</td> <td>Not applicable</td> <td>Plant</td> </tr> <tr> <td>SourceVersion</td> <td>Version</td> <td>Single</td> <td>Fixed Member: Actual</td> <td>Not applicable</td> <td>Not applicable</td> <td>Source Version</td> </tr> <tr> <td>CostCenter</td> <td>Cost Center</td> <td>Single</td> <td>Dynamic</td> <td>Not applicable</td> <td>Not applicable</td> <td>Cost Center</td> </tr> <tr> <td>Functional Location</td> <td>Functional Location</td> <td>Single</td> <td>Dynamic</td> <td>Not applicable</td> <td>Not applicable</td> <td>Functional Location</td> </tr> <tr> <td>Proactive_MaintenanceYear</td> <td>Date</td> <td>Single</td> <td>Dynamic</td> <td>Year, Quarter, Month</td> <td>Any</td> <td>Proactive Maintenance Year</td> </tr> </tbody> </table>	ID	Measure/Dimension	Cardinality	Input	Hierarchy	Level	Name for Prompt	Plant	Plant	Single	Dynamic	Not applicable	Not applicable	Plant	SourceVersion	Version	Single	Fixed Member: Actual	Not applicable	Not applicable	Source Version	CostCenter	Cost Center	Single	Dynamic	Not applicable	Not applicable	Cost Center	Functional Location	Functional Location	Single	Dynamic	Not applicable	Not applicable	Functional Location	Proactive_MaintenanceYear	Date	Single	Dynamic	Year, Quarter, Month	Any	Proactive Maintenance Year
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Explanation	Screenshot							
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BudgetYear	Date	Single	Dynamic	Year, Quarter, Month	Any	Budget Year		
After defining the parameters, the list of parameters will look like this	 <p>The screenshot shows a table titled "Parameters for Create_Proactive_Plan". The columns are Type, ID, Name for Prompt, Used In, Input, and Value. The rows include BudgetYear (Type: Dynamic, Input: Copy Proactive Maintenance), CompanyCode (Type: Dynamic, Input: Copy Proactive Maintenance), CostCenter (Type: Dynamic, Input: Copy Proactive Maintenance), FunctionalLocation (Type: Dynamic, Input: Copy Proactive Maintenance), Plant (Type: Dynamic, Input: Copy Proactive Maintenance), Proactive_MaintenanceYear (Type: Dynamic, Input: Copy Proactive Maintenance), SourceVersion (Type: Fixed, Input: Actual), and TargetVersion (Type: Dynamic, Input: Copy Proactive Maintenance).</p>							
Click on  to add copy step	 <p>The screenshot shows the SAP Fiori interface for creating a proactive plan. The top navigation bar includes "SAP", "Data Actions", and the current screen title "Create_Proactive_Plan". Below the navigation is a toolbar with icons for General, Edit, Parameter, Add Step, and Validation. The "Add Step" button is highlighted with a yellow box.</p>							
The Copy step configuration screen opens	 <p>The screenshot shows the "Copy Step" configuration screen. The main area is titled "Copy Step" and contains fields for "Name" (with value "Copy Step") and "Description". Below these are sections for "Context" (Data Source: MaintenanceCostBudgeting_00), "Filters" (Version: TargetVersion), "Aggregate To" (Add Dimension), "Copy Rules" (Add Copy Rule), and "Options" (Write Mode: Overwrite).</p>							
Provide name: Copy Proactive Maintenance	 <p>The screenshot shows the completed "Copy Step" configuration screen. The "Name" field now contains "Copy Proactive Maintenance". The "Description" field is empty.</p>							

Explanation	Screenshot
<p>In the filter click on the Version select parameter Source Version</p>	 <p>The screenshot shows the 'Set Filter for Version' dialog box. On the left, there's a list of parameters under 'Parameters'. One item, 'SourceVersion', is highlighted with a blue selection bar. At the bottom right of the dialog are 'OK' and 'Cancel' buttons.</p>
<p>Click + Add Filter</p>	 <p>The screenshot shows the 'Copy Step' dialog box. In the 'Filters' section, there is a list of parameters. 'SourceVersion' is listed and appears to be selected or highlighted.</p>
<p>Select Company Code and in the filter, screen click on Parameters and Select the Company code parameter created in the above step. Click ok. Repeat the same task to add filters for Plant, Cost Center & Functional Location</p>	 <p>The screenshot shows the 'Set Filter for Company Code' dialog box. In the 'Parameters' section, 'CompanyCode' is selected. At the bottom right of the dialog are 'OK' and 'Cancel' buttons.</p>

Explanation	Screenshot
	
<p>Click on + Add Copy Rule</p>	
<p>In the copy rule select dimension Date Click the From and click on Parameter. Select Proactive_MaintenanceYear parameter and click ok Click the To click on Parameter. Select BudgetYear and Click Ok</p>	<p>Copy Rules</p> <p>Measures/Dimension</p> <p>⚠️ Date</p>

Explanation

Screenshot

The screenshot displays two separate dialog boxes, one above the other, both titled "Select Source Member" and "Select Target Members".

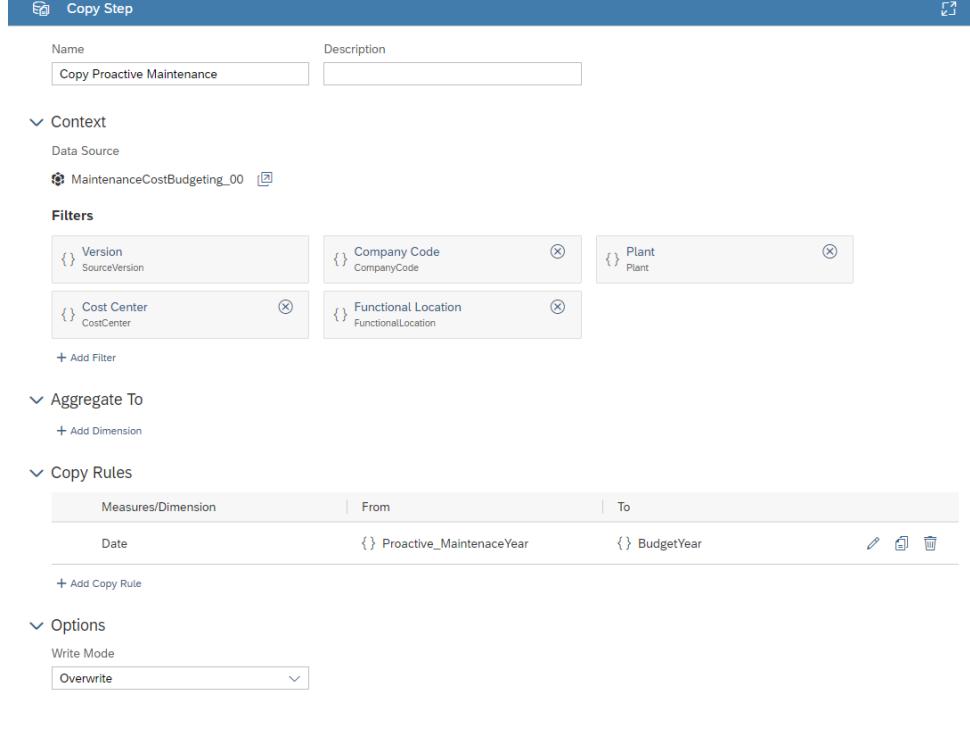
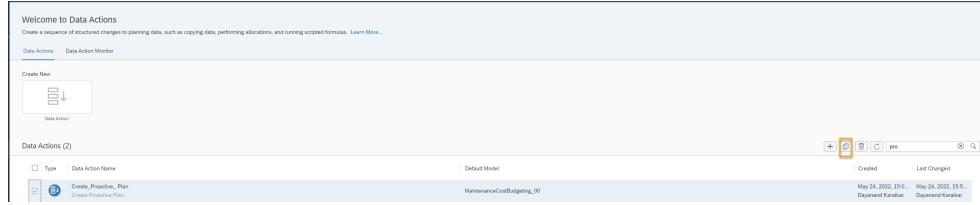
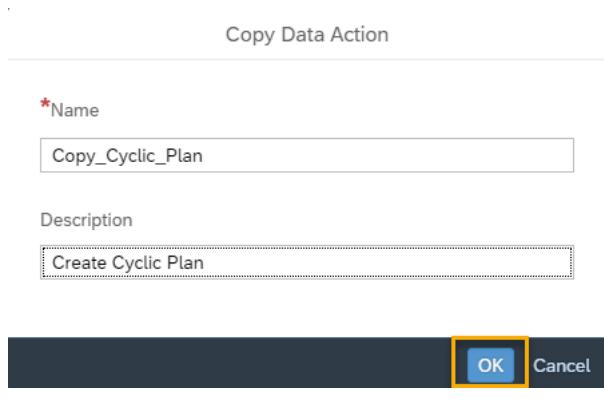
Select Source Member Dialog:

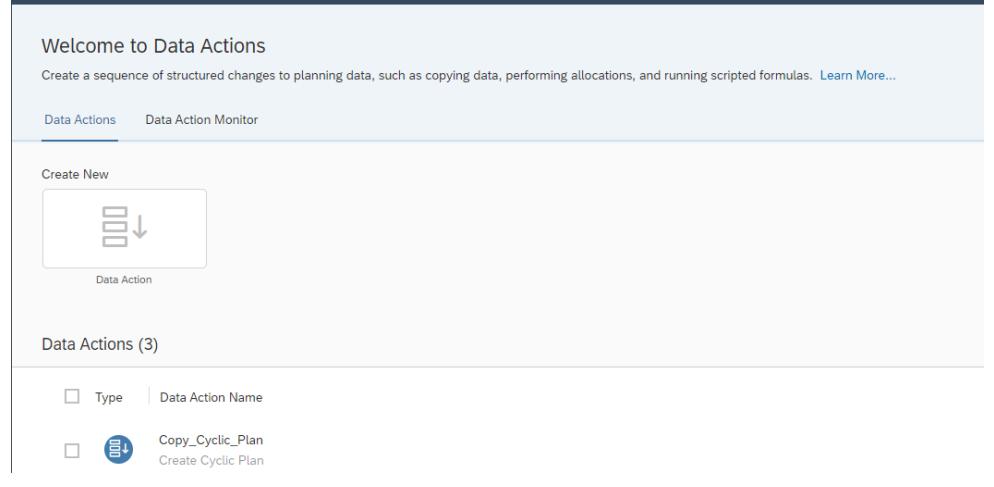
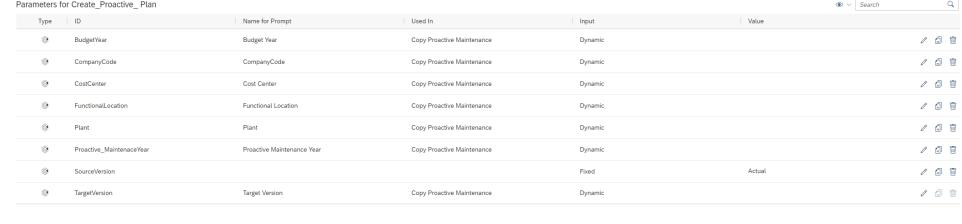
- Left sidebar: "Members" tab is selected.
- Right pane:
 - Search bar with placeholder "Search" and a magnifying glass icon.
 - A message box displays filter criteria:
 - Only parameters with the following settings are shown:
 - Type: Member
 - Model: Default Model (MaintenanceCostBudgeting_00)
 - Dimension: Date
 - Cardinality: Single
 - Two radio buttons:
 - Proactive_MaintenaceYear
 - BudgetYear

Select Target Members Dialog:

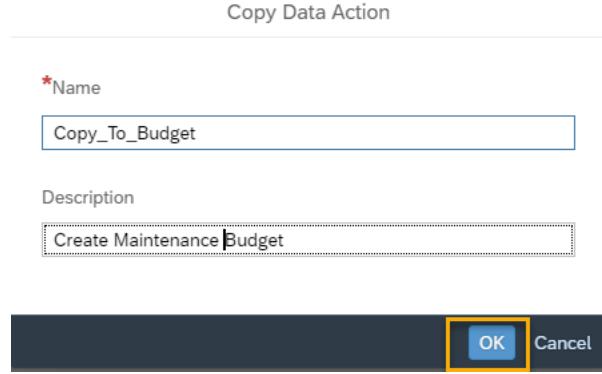
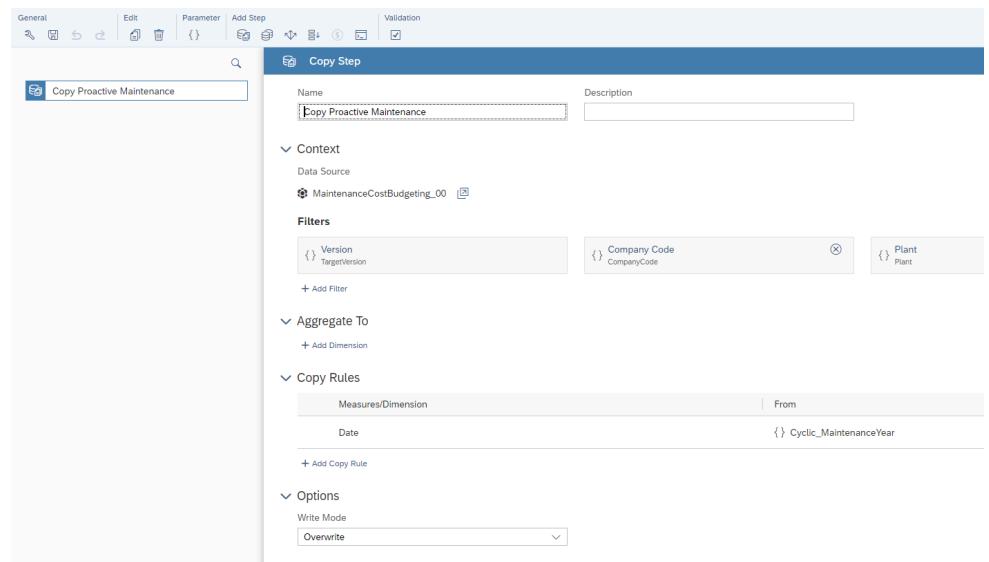
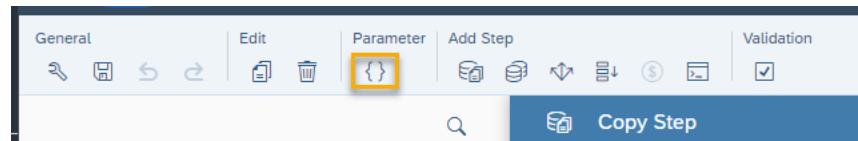
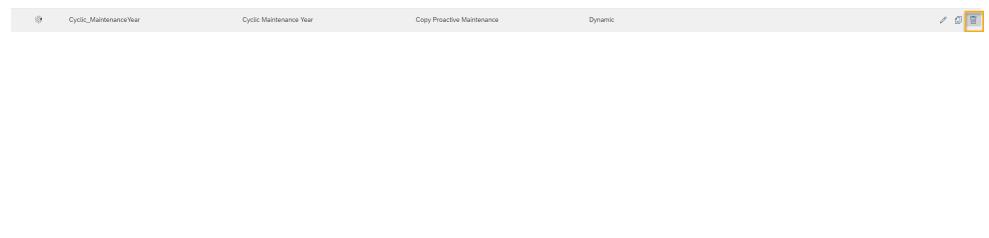
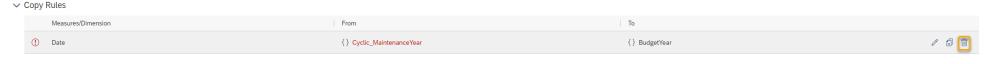
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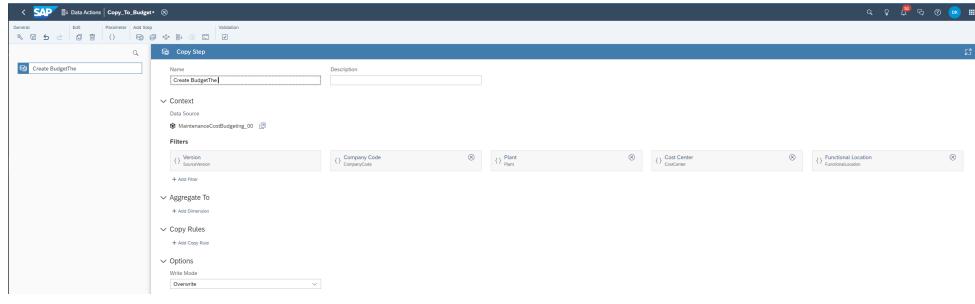
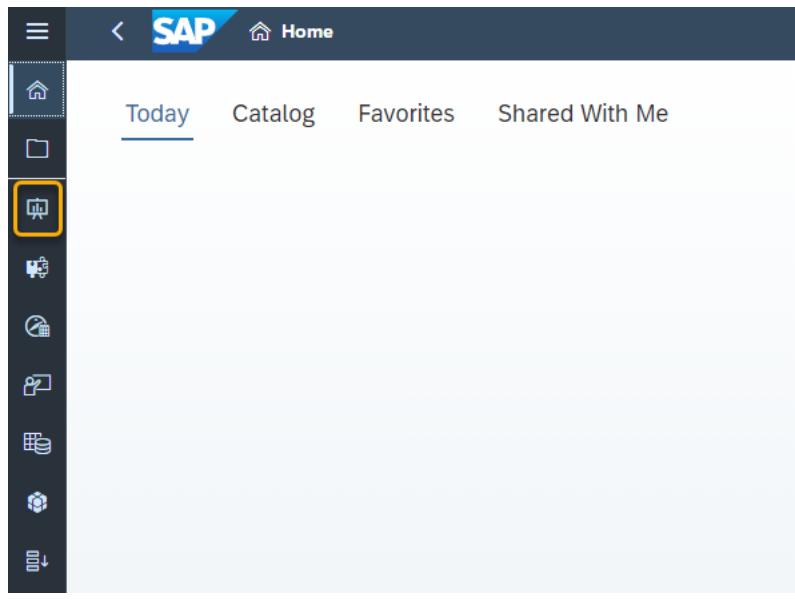
Both dialogs have a dark blue footer bar with "OK" and "Cancel" buttons. The "OK" button in the top dialog is highlighted with a yellow box.

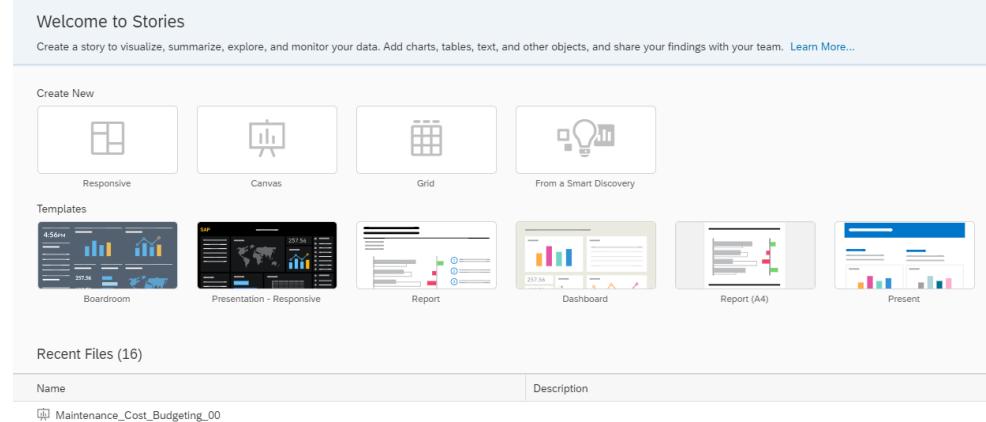
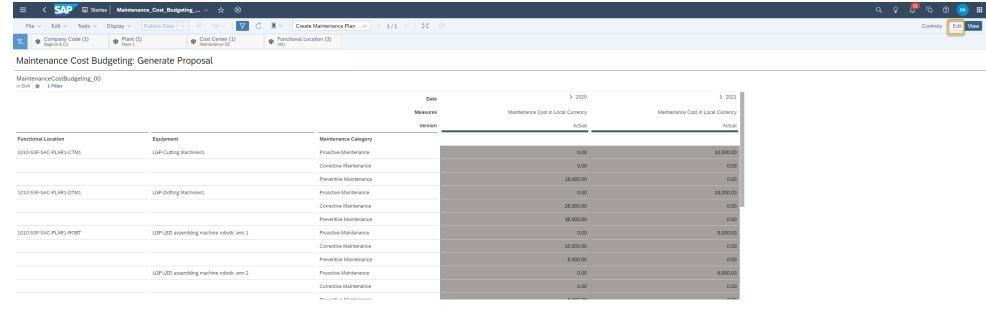
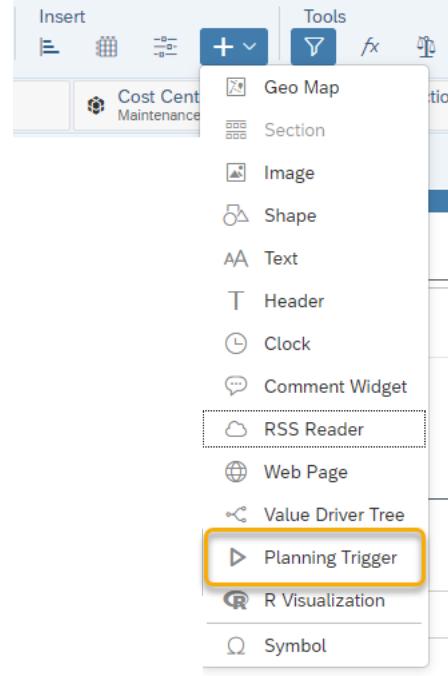
Explanation	Screenshot
<p>Keep the Write mode overwrite and save the data action</p>	
<p>Navigate Back to the Data Action page</p>	
<p>Select the Data action created and click on </p>	
<p>In the Copy Data Action Dialogue Provide Name: Copy_Cyclic_Plan_XX Description: Create Cyclic Plan and click OK</p>	

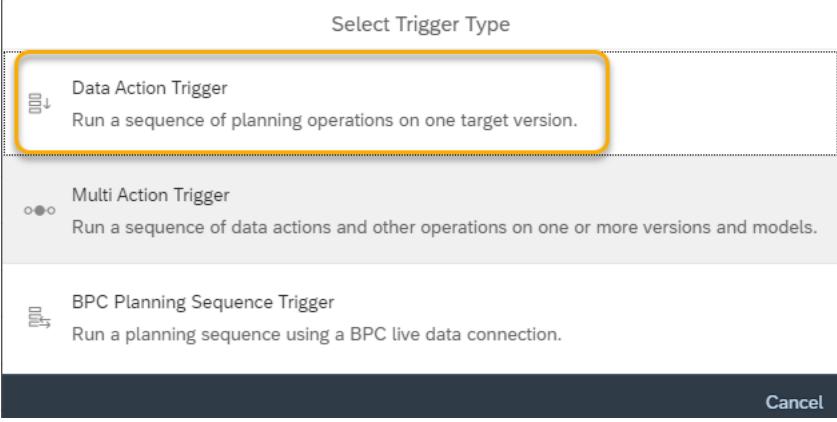
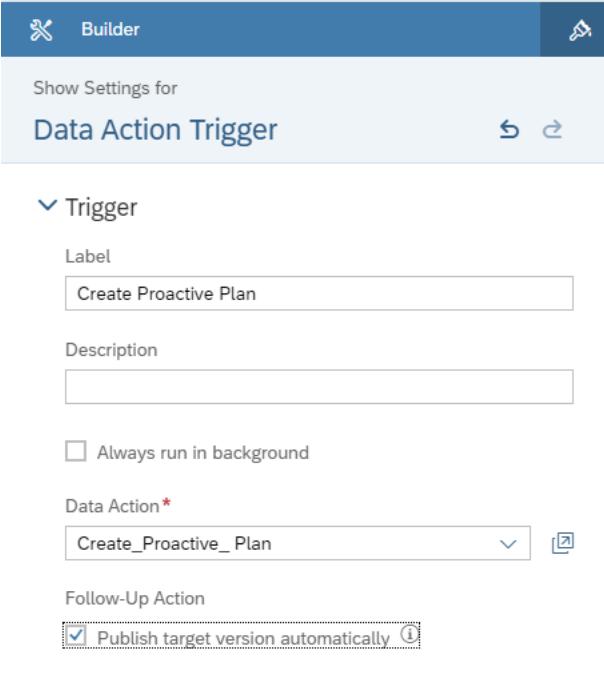
Explanation	Screenshot																																																						
<p>The Data action will be created. Click on the data action to edit it.</p>	 <p>Welcome to Data Actions</p> <p>Create a sequence of structured changes to planning data, such as copying data, performing allocations, and running scripted formulas. Learn More...</p> <p>Data Actions Data Action Monitor</p> <p>Create New</p> <p>Data Action</p> <p>Data Actions (3)</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Data Action Name</th> </tr> </thead> <tbody> <tr> <td></td> <td>Copy_Cyclic_Plan Create Cyclic Plan</td> </tr> </tbody> </table>	Type	Data Action Name		Copy_Cyclic_Plan Create Cyclic Plan																																																		
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<p>Click next to the Proactive Maintenance Year Parameter.</p>	 <p> Proactive_MaintenanceYear Proactive Maintenance Year Copy Proactive Maintenance Dynamic</p>																																																						

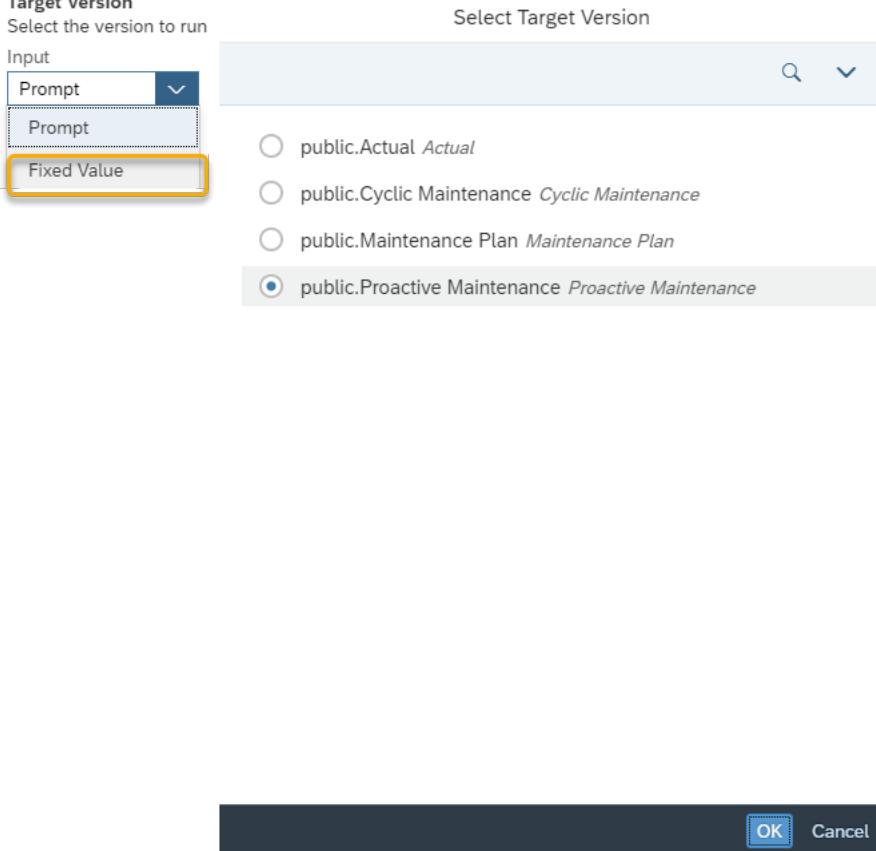
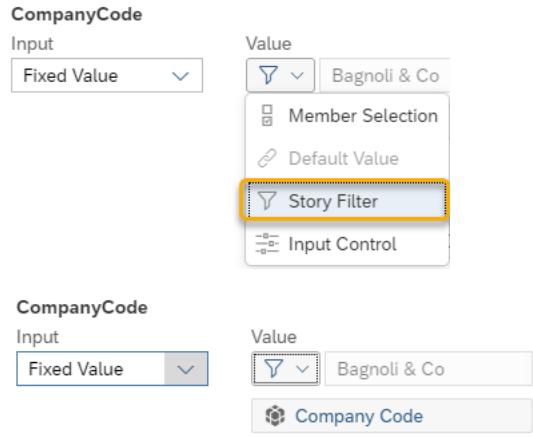
Explanation	Screenshot
<p>Change the ID to Cyclic_MaintenanceYear and Name for Prompt to Cyclic Maintenance Year and click Done</p>	
<p>Click on the Copy step and Navigate to the Copy Rules. Change the From Values to include the new renamed parameter. Change the name of the step to Copy Cyclic Maintenance. click on Save</p>	
<p>Navigate back to the Data Action Page</p>	
<p>Select the Data action created above and click on (Copy)</p>	

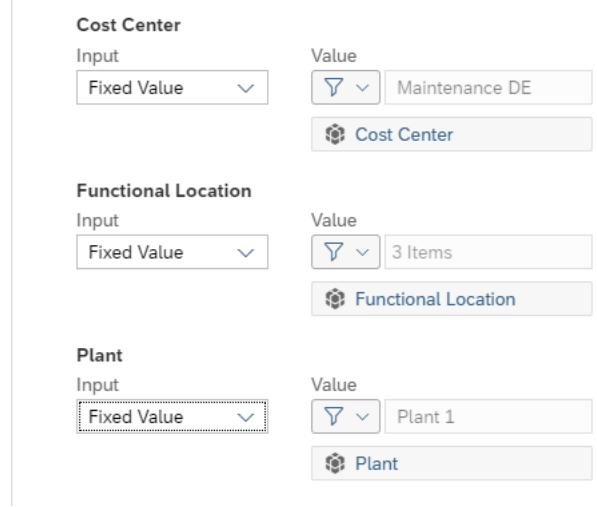
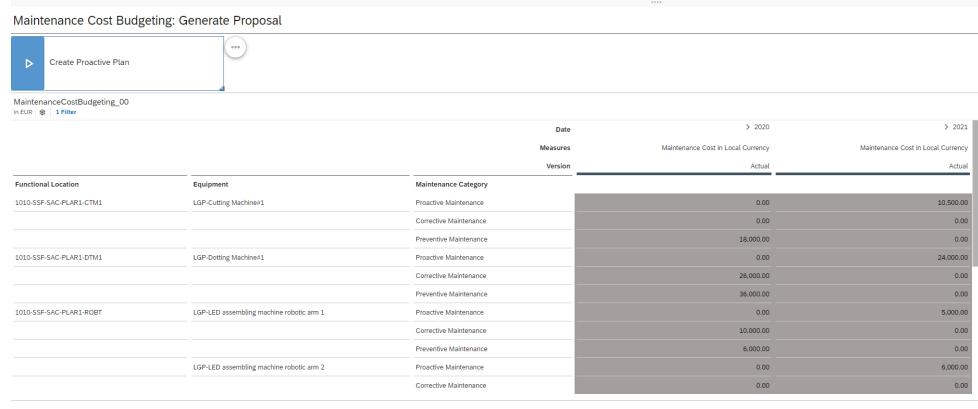
Explanation	Screenshot
<p>In the Copy Data Action Dialogue Provide Name: Copy_to_Budget_XX Description: Create Maintenance Budget and click OK</p>	
<p>Click on the data action to Edit</p>	
<p>Click on  (Show Parameter List)</p>	
<p>Delete the Cyclic Maintenance Year Parameter by clicking on  next to the parameter</p>	
<p>Click on the step to edit it. Make following changes</p> <ul style="list-style-type: none"> • Name: Create Budget 	

Explanation	Screenshot
<ul style="list-style-type: none"> Delete the Copy Rule by clicking the  next to the rule 	
Save the Data Action	
Including Data Actions in Story	
Navigate to the home page and click on 	

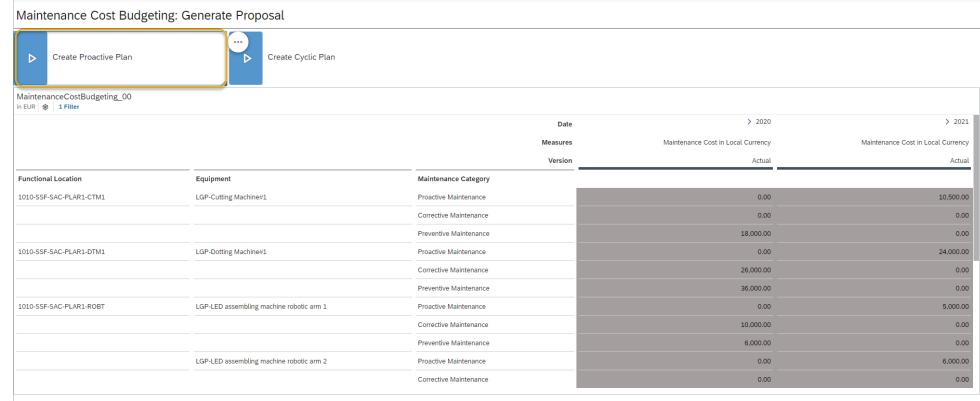
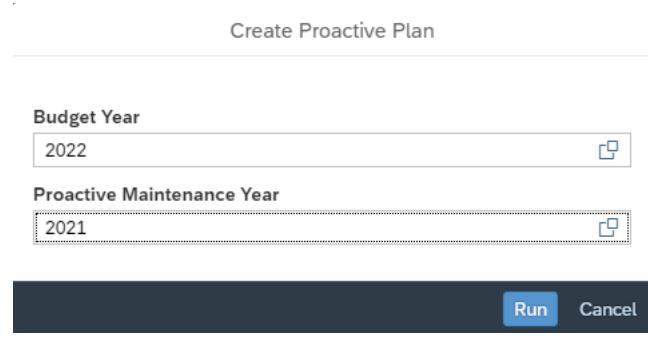
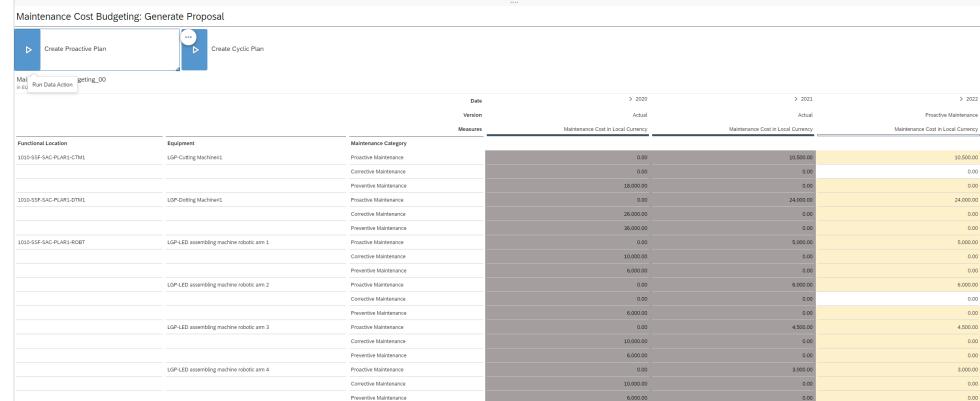
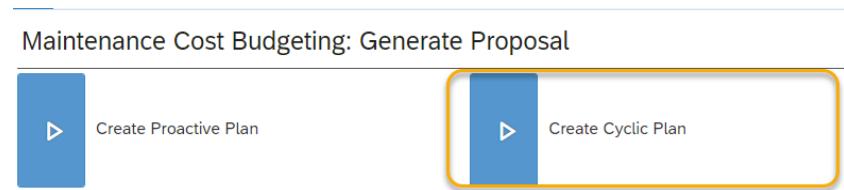
Explanation	Screenshot
<p>Click on the Maintenance_Cost_Budgeting_XX story</p>	
<p>The story open in view mode. Click on Edit</p>	
<p>In the Insert menu click on  and select Planning Trigger</p>	

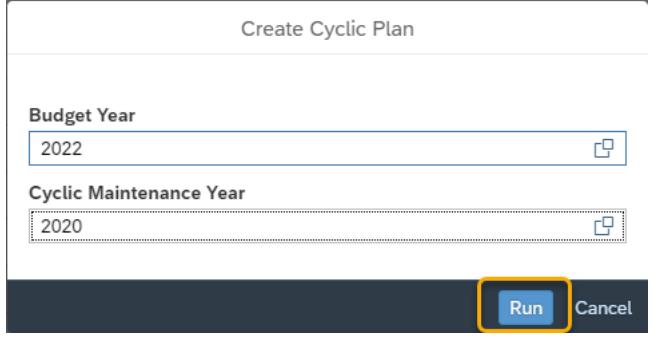
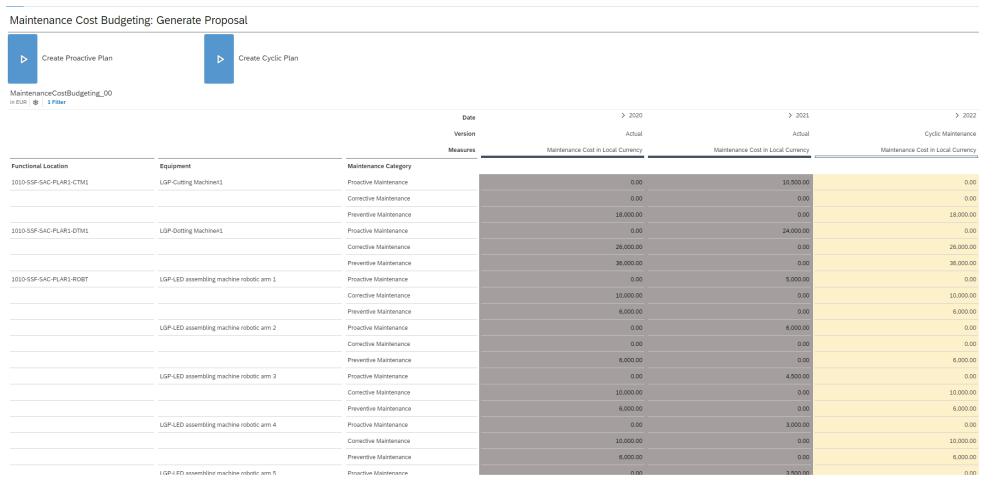
Explanation	Screenshot
<p>In the trigger type selection pop up select Data Action Trigger</p>	 <p>Select Trigger Type</p> <ul style="list-style-type: none"> Data Action Trigger Run a sequence of planning operations on one target version. Multi Action Trigger Run a sequence of data actions and other operations on one or more versions and models. BPC Planning Sequence Trigger Run a planning sequence using a BPC live data connection. <p>Cancel</p>
<p>The Data Action trigger settings opens. In the Data action Select the data action Create_Proactive_Plan_XX In Label type “Create Proactive Plan” Check “Publish target Version automatically”</p>	 <p>Builder</p> <p>Show Settings for Data Action Trigger</p> <p>Trigger</p> <p>Label Create Proactive Plan</p> <p>Description</p> <p><input type="checkbox"/> Always run in background</p> <p>Data Action* Create_Proactive_Plan</p> <p>Follow-Up Action <input checked="" type="checkbox"/> Publish target version automatically ①</p>

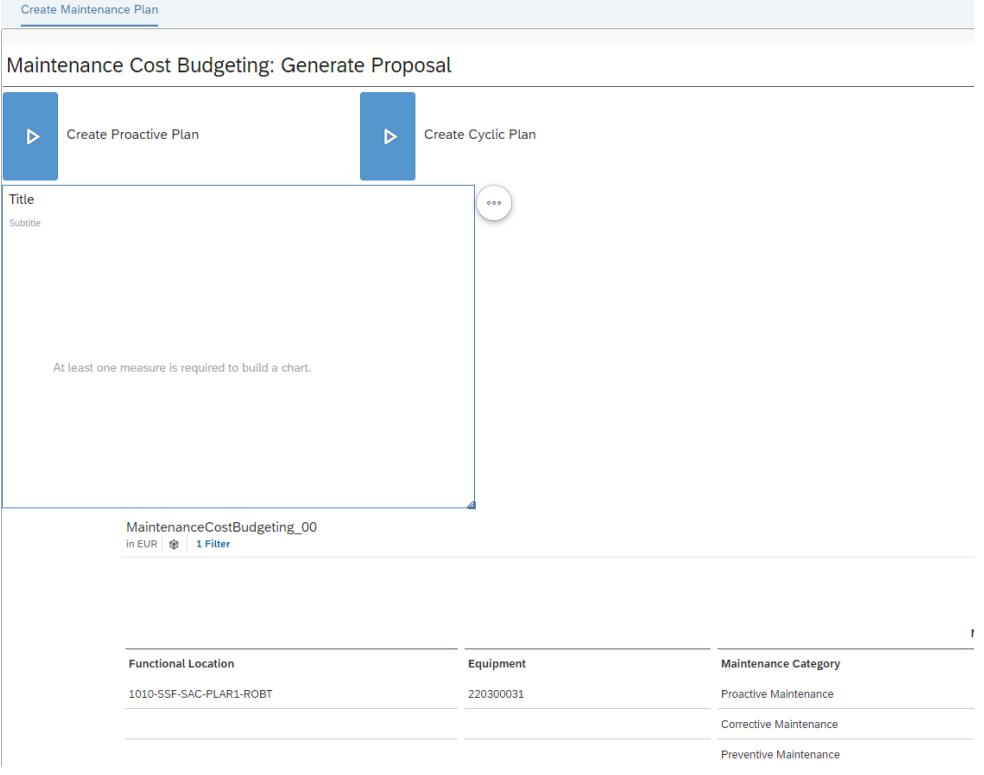
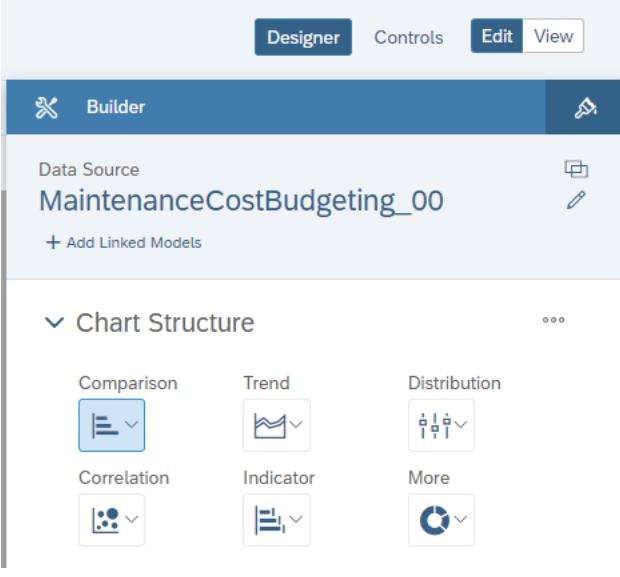
Explanation	Screenshot
<p>All the parameters defined in the Data action will be available. For the Target Version Parameter Click on the Input and select fixed Value Click the value box and select version public.Maintenance Plan and click Ok</p>	
<p>For Company Code parameter in the Input Select fixed Value. click on Value-> Story Filter. The system will pick up the value from the story filter</p>	

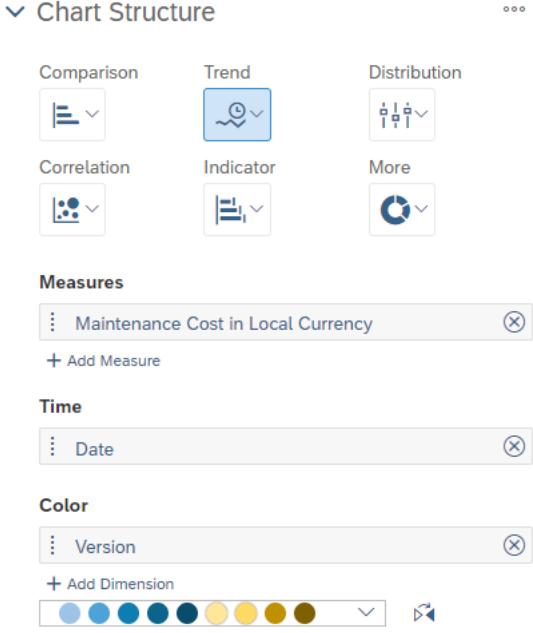
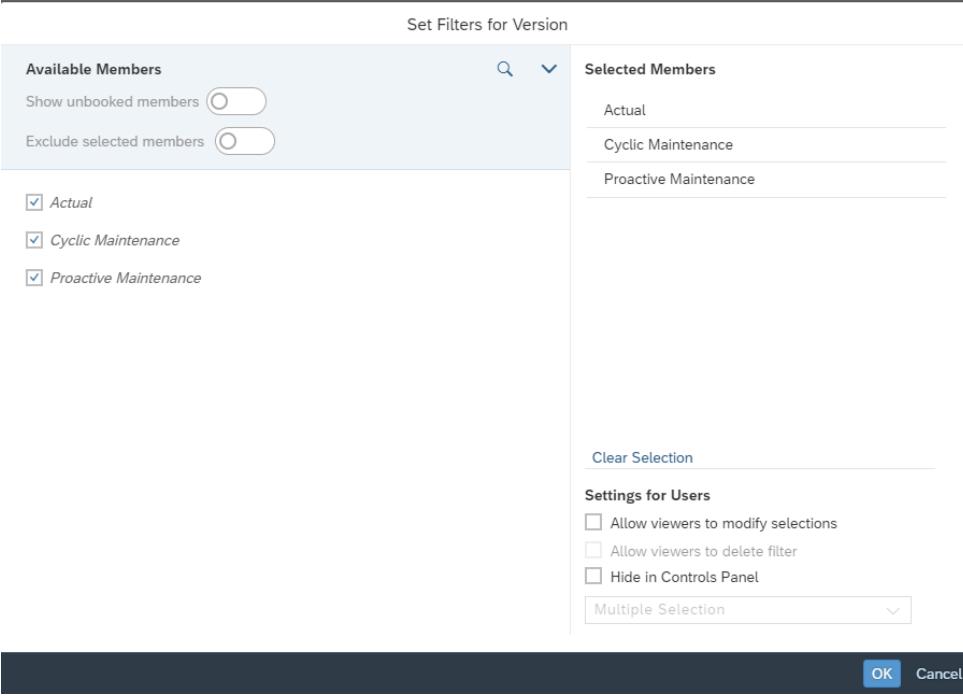
Explanation	Screenshot																																																																																							
<p>Repeat the same process for the following Parameters</p> <ul style="list-style-type: none"> • Cost Center • Plant • Functional Location <p>Save the story</p>	 <p>The screenshot shows the configuration of three parameters:</p> <ul style="list-style-type: none"> Cost Center: Input is "Fixed Value" (dropdown), Value is "Maintenance DE" (with a search icon and "Cost Center" icon). Functional Location: Input is "Fixed Value" (dropdown), Value is "3 Items" (with a search icon and "Functional Location" icon). Plant: Input is "Fixed Value" (dropdown), Value is "Plant 1" (with a search icon and "Plant" icon). 																																																																																							
<p>Drag the Data action on top of the table</p>	 <p>Maintenance Cost Budgeting: Generate Proposal</p> <p>MaintenanceCostBudgeting_00 in EUBR 1 Filter</p> <table border="1"> <thead> <tr> <th rowspan="2">Functional Location</th> <th rowspan="2">Equipment</th> <th rowspan="2">Maintenance Category</th> <th>Date</th> <th>Measures</th> <th>Maintenance Cost in Local Currency</th> <th>Maintenance Cost in Local Currency</th> </tr> <tr> <th>Version</th> <th>Actual</th> <th>Actual</th> </tr> </thead> <tbody> <tr> <td>1010-SSF-SAC-PLAR1-CTM1</td> <td>LGP-Cutting Machine1</td> <td>Proactive Maintenance</td> <td>> 2020</td> <td></td> <td>0.00</td> <td>10,500.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</td> <td></td> <td></td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>Preventive Maintenance</td> <td></td> <td></td> <td>18,000.00</td> <td>0.00</td> </tr> <tr> <td>1010-SSF-SAC-PLAR1-DTM1</td> <td>LGP-Dotting Machine1</td> <td>Proactive Maintenance</td> <td>> 2021</td> <td></td> <td>0.00</td> <td>24,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</td> <td></td> <td></td> <td>26,000.00</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>Preventive Maintenance</td> <td></td> <td></td> <td>36,000.00</td> <td>0.00</td> </tr> <tr> <td>1010-SSF-SAC-PLAR1-ROBT</td> <td>LGP-LED assembling machine robotic arm 1</td> <td>Proactive Maintenance</td> <td></td> <td></td> <td>0.00</td> <td>5,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</td> <td></td> <td></td> <td>10,000.00</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>Preventive Maintenance</td> <td></td> <td></td> <td>6,000.00</td> <td>0.00</td> </tr> <tr> <td></td> <td>LGP-LED assembling machine robotic arm 2</td> <td>Proactive Maintenance</td> <td></td> <td></td> <td>0.00</td> <td>6,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</td> <td></td> <td></td> <td>0.00</td> <td>0.00</td> </tr> </tbody> </table>	Functional Location	Equipment	Maintenance Category	Date	Measures	Maintenance Cost in Local Currency	Maintenance Cost in Local Currency	Version	Actual	Actual	1010-SSF-SAC-PLAR1-CTM1	LGP-Cutting Machine1	Proactive Maintenance	> 2020		0.00	10,500.00			Corrective Maintenance			0.00	0.00			Preventive Maintenance			18,000.00	0.00	1010-SSF-SAC-PLAR1-DTM1	LGP-Dotting Machine1	Proactive Maintenance	> 2021		0.00	24,000.00			Corrective Maintenance			26,000.00	0.00			Preventive Maintenance			36,000.00	0.00	1010-SSF-SAC-PLAR1-ROBT	LGP-LED assembling machine robotic arm 1	Proactive Maintenance			0.00	5,000.00			Corrective Maintenance			10,000.00	0.00			Preventive Maintenance			6,000.00	0.00		LGP-LED assembling machine robotic arm 2	Proactive Maintenance			0.00	6,000.00			Corrective Maintenance			0.00	0.00
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Explanation	Screenshot																		
<p>Repeat the same steps to include data action Copy_Cyclic_Plan_XX in the story</p>	<p>Label: Create Cyclic Plan</p> <p>Description:</p> <p><input type="checkbox"/> Always run in background</p> <p>Data Action*: Copy_Cyclic_Plan</p> <p>Follow-Up Action: <input checked="" type="checkbox"/> Publish target version automatically ⓘ</p> <p>Parameters</p> <ul style="list-style-type: none"> Target Version: Select the version to run the data action on <table border="1"> <tr> <td>Input: Fixed Value</td> <td>Value: Cyclic Mainten...</td> </tr> </table> Budget Year <table border="1"> <tr> <td>Input: Prompt</td> <td>Value:</td> </tr> </table> CompanyCode <table border="1"> <tr> <td>Input: Fixed Value</td> <td>Value: Bagnoli & Co</td> </tr> <tr> <td colspan="2">Company Code</td> </tr> </table> Cost Center <table border="1"> <tr> <td>Input: Fixed Value</td> <td>Value: Maintenance DE</td> </tr> <tr> <td colspan="2">Cost Center</td> </tr> </table> Cyclic Maintenance Year <table border="1"> <tr> <td>Input: Prompt</td> <td>Value:</td> </tr> </table> Functional Location <table border="1"> <tr> <td>Input: Fixed Value</td> <td>Value: 3 Items</td> </tr> <tr> <td colspan="2">Functional Location</td> </tr> </table> 	Input: Fixed Value	Value: Cyclic Mainten...	Input: Prompt	Value:	Input: Fixed Value	Value: Bagnoli & Co	Company Code		Input: Fixed Value	Value: Maintenance DE	Cost Center		Input: Prompt	Value:	Input: Fixed Value	Value: 3 Items	Functional Location	
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Explanation	Screenshot
<p>Click on Create Proactive Plan Data action</p>	
<p>In the pop up enter the values as shown and click on Run</p>	
<p>The Data action runs successfully and the Proactive maintenance plan for 2022 is generated</p>	
<p>Click on the Create Cyclic Plan Data action</p>	

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<p>Include a time series chart to show the trend of the maintenance cost. To include chart, click on Insert->Chart</p>																																																																																																																																																								

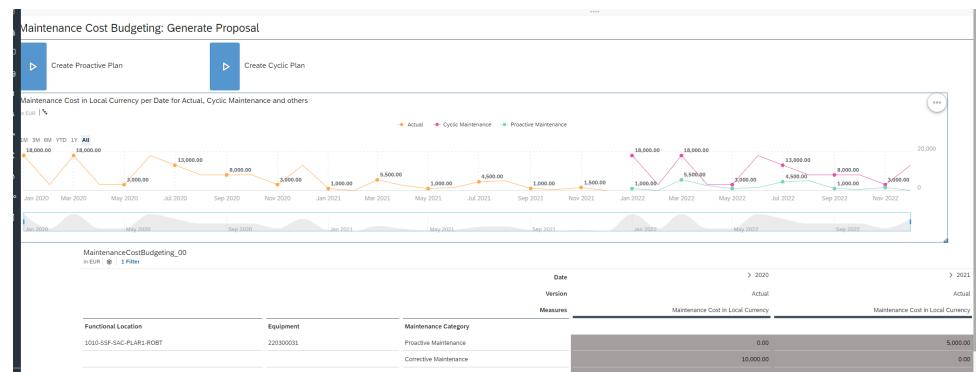
Explanation	Screenshot
<p>The chart is inserted below the table. Drag and drop the chart on top of the table</p>	 <p>The screenshot shows the 'Create Maintenance Plan' interface. At the top, there are two buttons: 'Create Proactive Plan' and 'Create Cyclic Plan'. Below them is a large empty rectangular area with a blue border, intended for inserting a chart. A small circular icon with three dots is located in the top right corner of this area. Below this area, the text 'At least one measure is required to build a chart.' is displayed. At the bottom of the interface, there is a section titled 'MaintenanceCostBudgeting_00' with a status 'in EUR' and a '1 Filter' button.</p>
<p>Select the chart and open Designer-> Builder</p>	 <p>The screenshot shows the 'Builder' interface. At the top, there are tabs: 'Designer' (which is selected), 'Controls', 'Edit', and 'View'. Below the tabs, there is a section for 'Data Source' with the name 'MaintenanceCostBudgeting_00' and edit icons. Underneath, there is a section titled 'Chart Structure' with a dropdown arrow. Inside this section are six categories: 'Comparison' (with a bar chart icon), 'Trend' (with a line chart icon), 'Distribution' (with a scatter plot icon), 'Correlation' (with a bubble chart icon), 'Indicator' (with a bar chart icon), and 'More' (with a donut chart icon).</p>

Explanation	Screenshot
<p>Make following selection Measure: Maintenance Cost in Local Currency Dimension: Date In Color Add Dimension Version. Select Chart type: Trend->Time Series</p>	
<p>In the Filters click on version and select Actual Proactive Maintenance Cyclic Maintenance and click OK</p>	

Explanation

Adjust the chart length appropriately and save the story

Screenshot



We will also include a bar chart to show a quick comparison of proactive maintenance cost and cyclic maintenance cost for 2022.

Insert a chart and position it next to the data actions. Configure the chart as shown

The screenshot shows the "Builder" interface for creating a chart. The top section displays the "Data Source" as "MaintenanceCostBudgeting_00" and includes a "Edit" button and a "+ Add Linked Models" link.

The main area is titled "Chart Structure" and contains several categories of chart types:

- Comparison (selected)
- Trend
- Distribution
- Correlation
- Indicator
- More

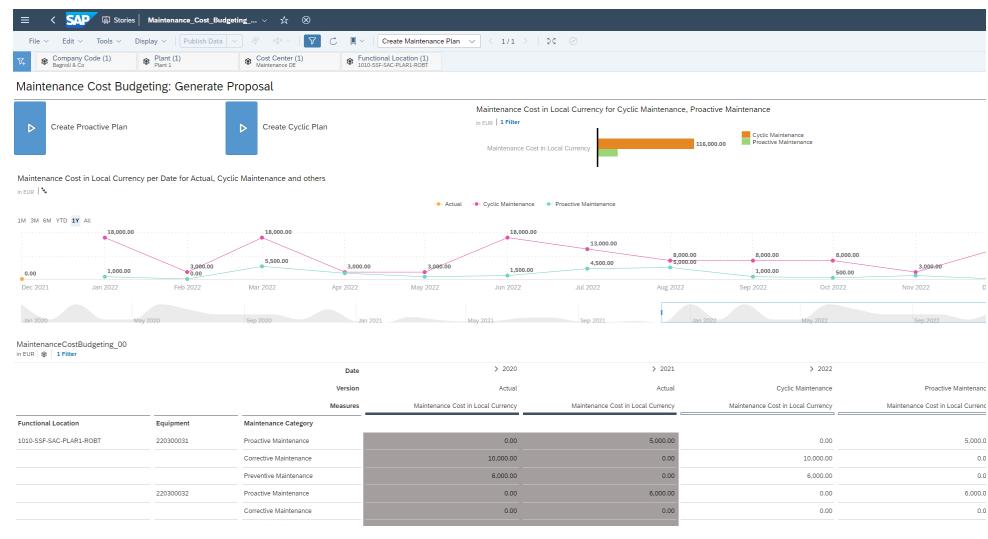
Below the chart structure, there are sections for "Chart Orientation" (set to "Horizontal"), "Recommended Comparisons (6)", "Measures" (with "Maintenance Cost in Local Currency" selected), "Dimensions" (with "+ Add Dimension" link), and "Color" (with a dropdown for "Version" showing "Cyclic Maintenance" and "Proactive Maintenance" with their respective colors).

At the bottom, there are sections for "Filters" (with "Date (1)" set to 2022 and "Version (2)" set to "Cyclic Maintenance, Proactive Maintenance") and a "+ Add Filters" link.

Explanation

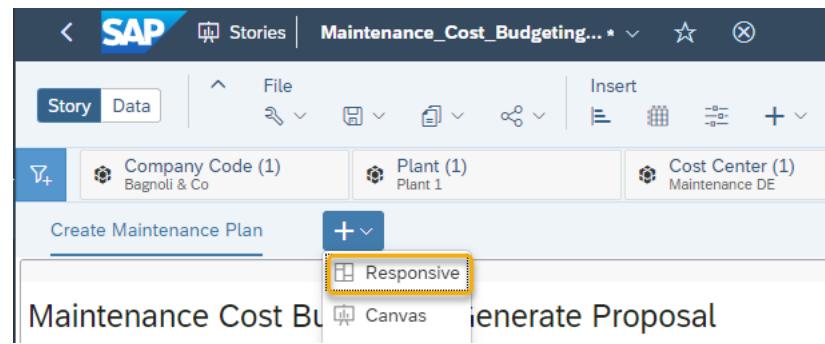
Save the Story

Screenshot



Adjust the Generated Plan

Click on ->
Responsive to add a new
page to the story



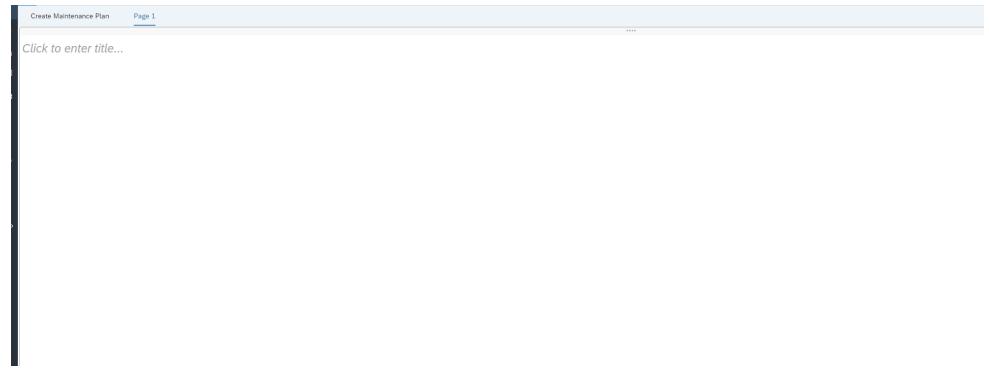
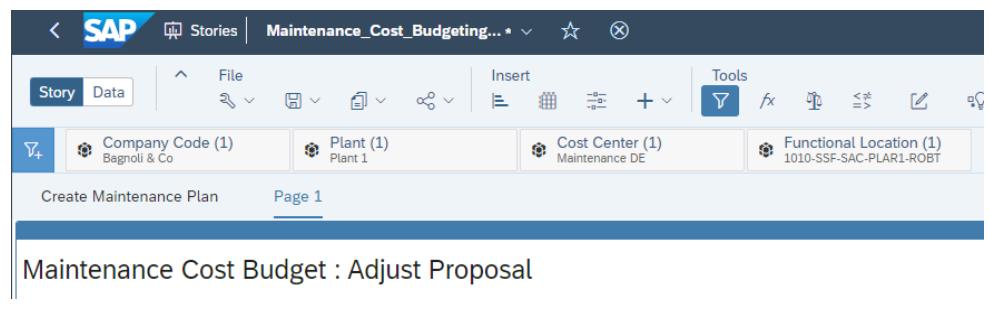
Rename the Page

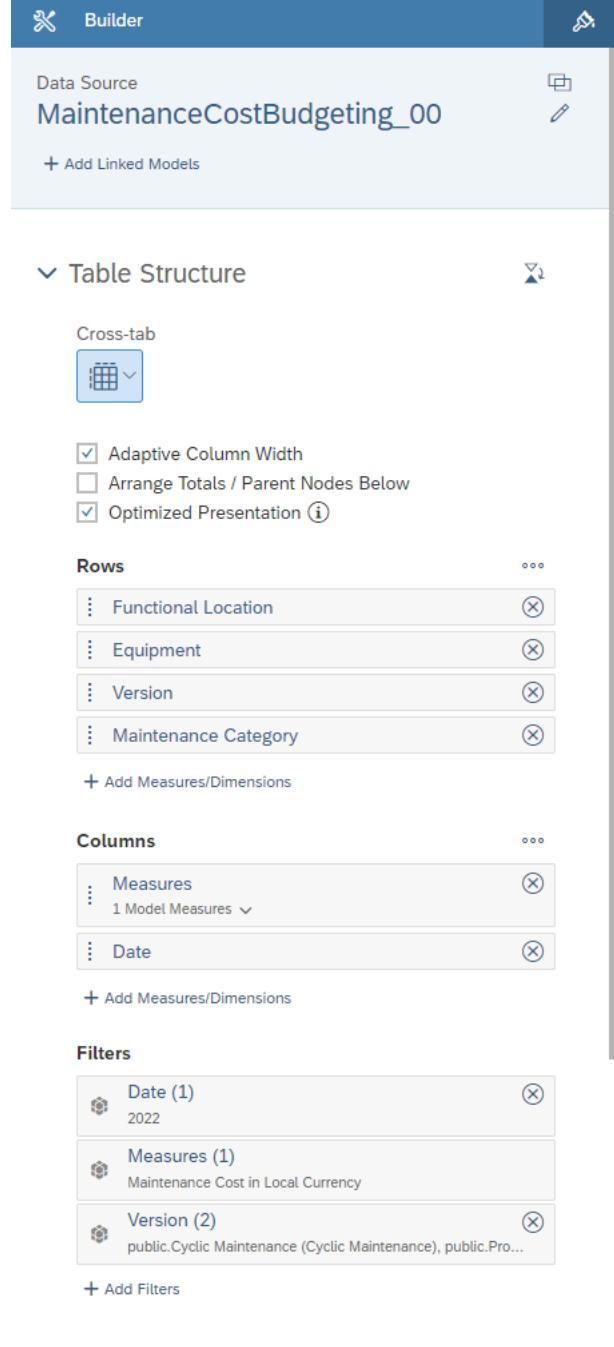
Rename Page

Name

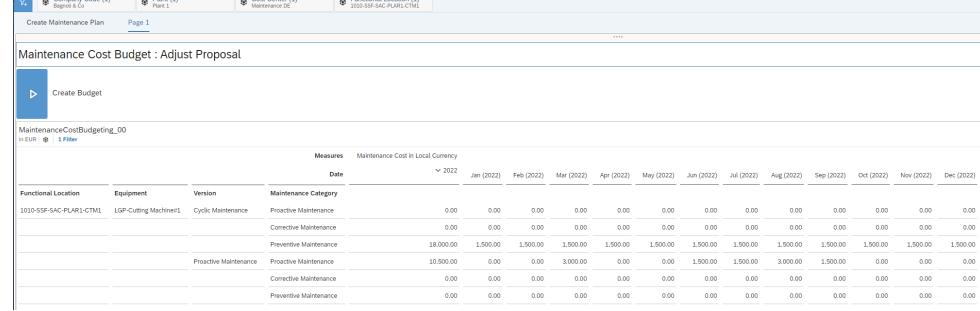
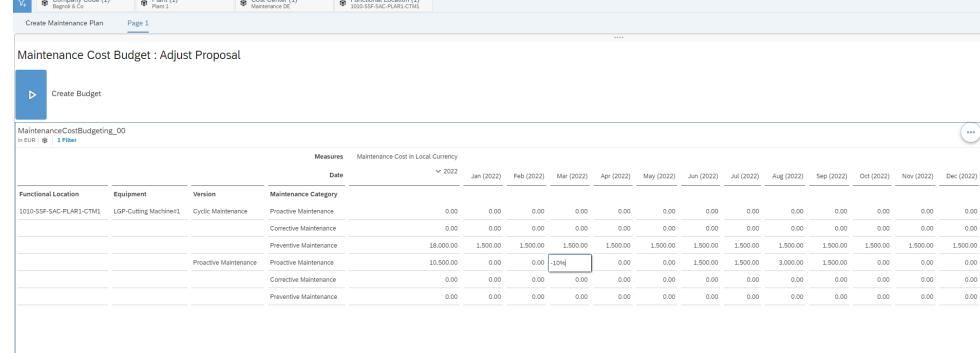
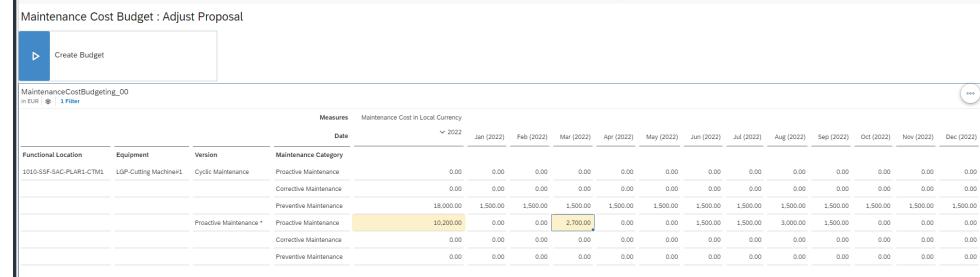
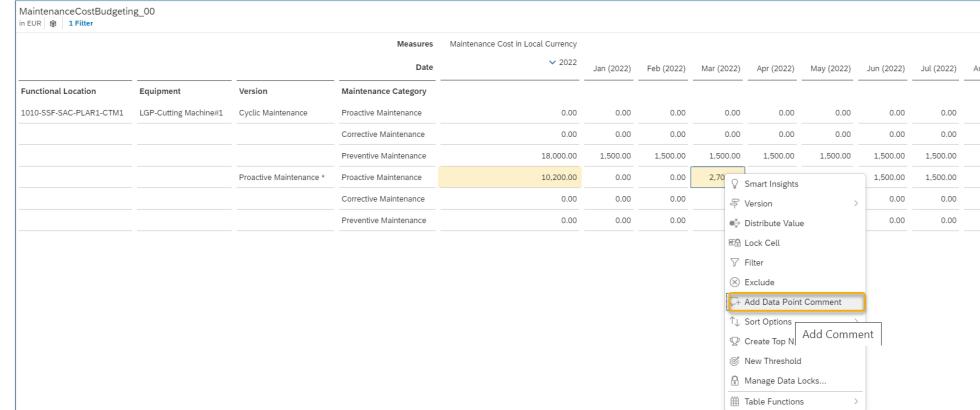
Adjust Plan

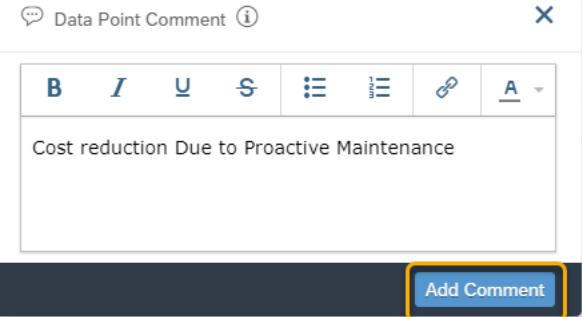
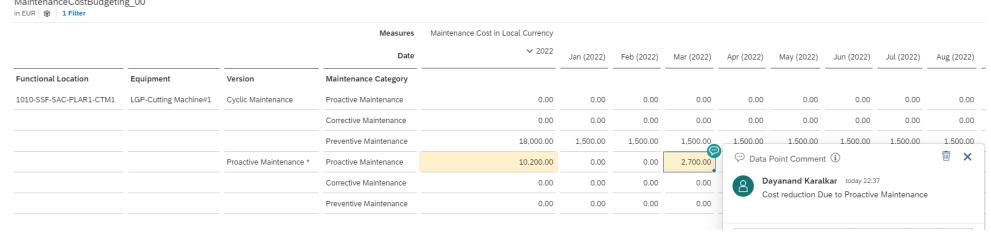
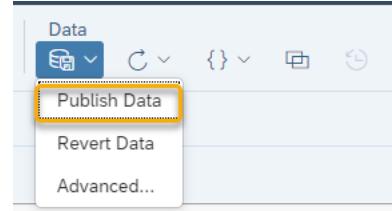
Rename Cancel

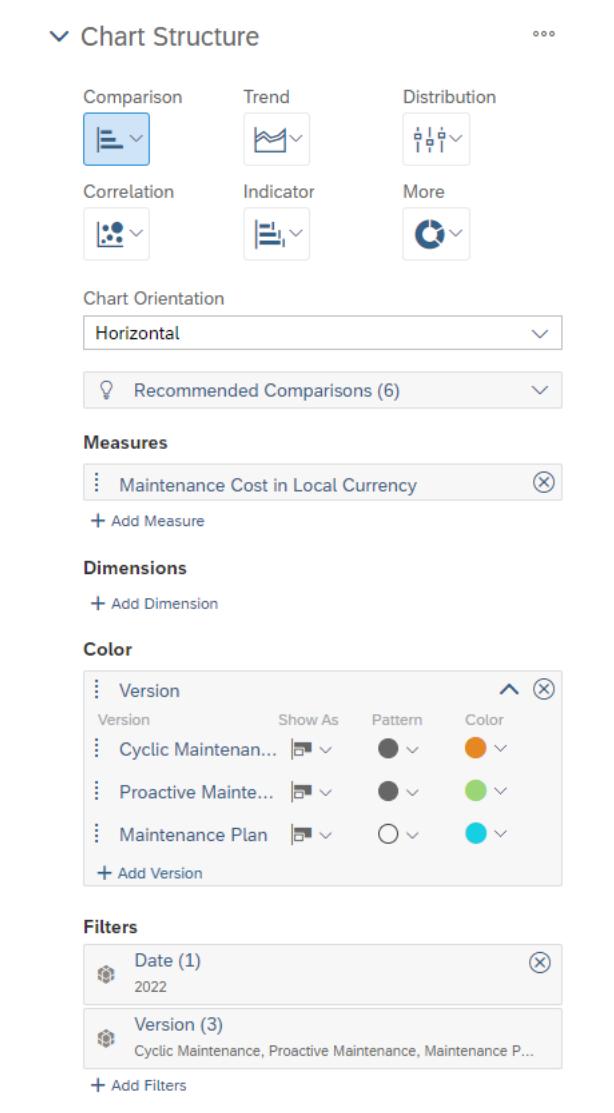
Explanation	Screenshot
<p>Keep only lane in the page by deleting the right lane</p>	 <p>The screenshot shows a 'Create Maintenance Plan' page with a single input field labeled 'Click to enter title...'. The right lane is removed.</p>
<p>Click in the Title and enter "Maintenance Cost Budget: Adjust Proposal" as the page title</p>	 <p>The screenshot shows the SAP Fiori interface with the page title 'Maintenance Cost Budget : Adjust Proposal' entered in the title bar. The page header also displays 'Create Maintenance Plan' and 'Page 1'.</p>

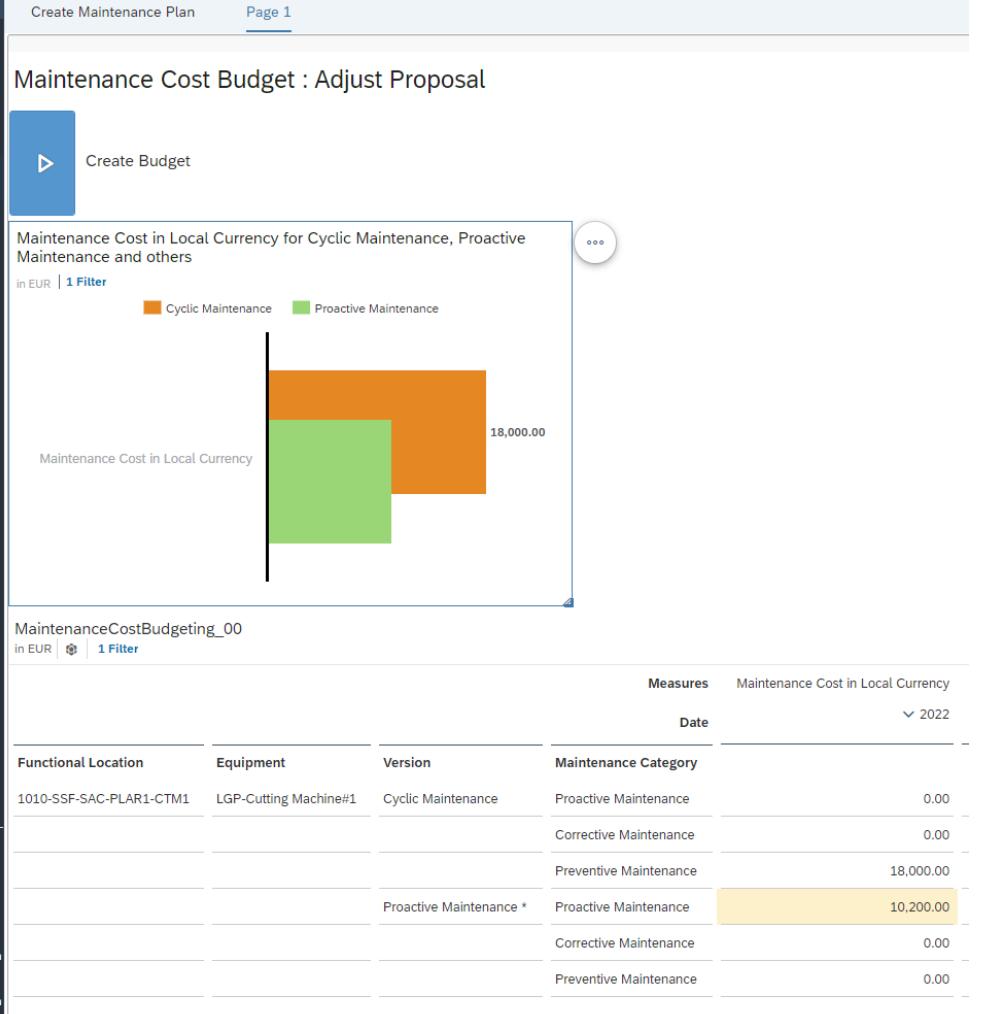
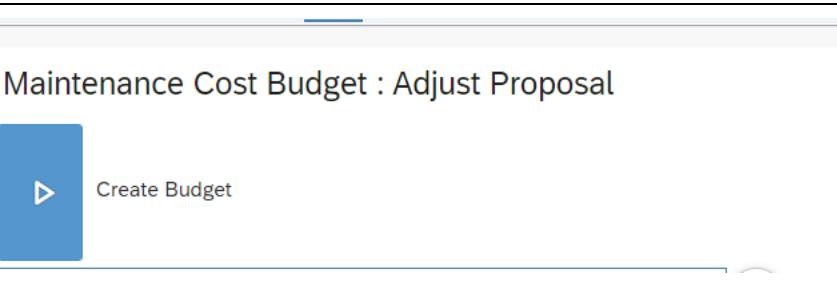
Explanation	Screenshot
<p>Insert a table and configure as shown</p>	 <p>The screenshot shows the SAP Fiori Launchpad Builder interface. At the top, it displays the Data Source as "MaintenanceCostBudgeting_00". Below this, the "Table Structure" section is expanded, showing a "Cross-tab" configuration. Under "Rows", there are four dimensions listed: "Functional Location", "Equipment", "Version", and "Maintenance Category". Under "Columns", there are two measures: "Measures" (with a dropdown showing "1 Model Measures") and "Date". In the "Filters" section, three filters are applied: "Date (1)" set to 2022, "Measures (1)" set to Maintenance Cost in Local Currency, and "Version (2)" set to public.Cyclic Maintenance (Cyclic Maintenance), public.Pro... . There are also "Add Measures/Dimensions" and "Add Filters" buttons.</p>

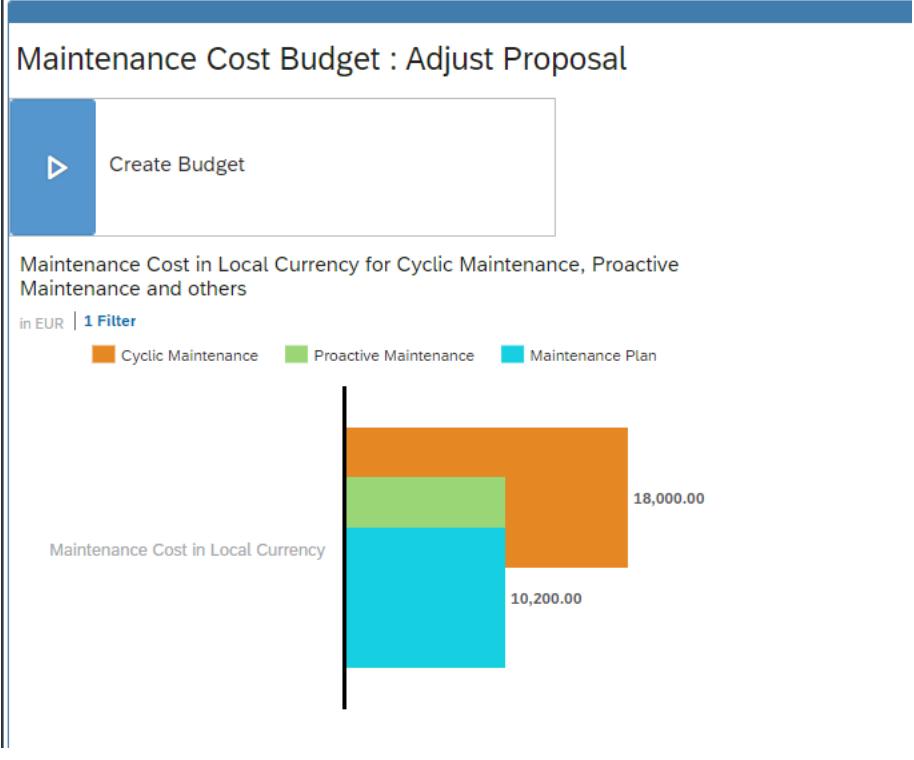
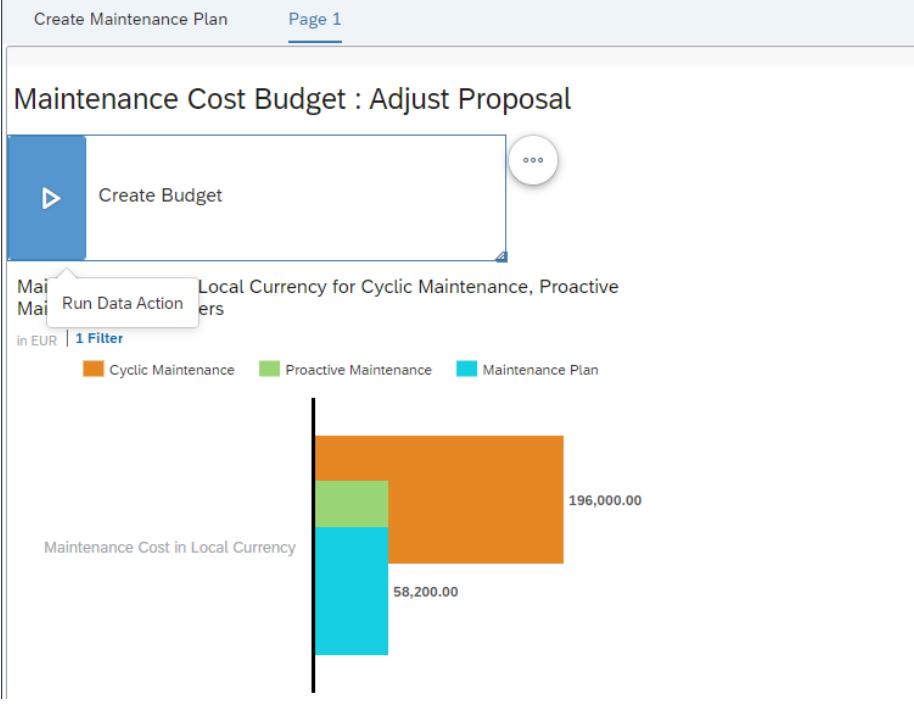
Explanation	Screenshot																								
<p>Insert Data Action Trigger and configure as shown. Use the Data Action Copy_to_Budget_XX</p>	<p>--</p> <p>Label Create Budget</p> <p>Description</p> <p><input type="checkbox"/> Always run in background</p> <p>Data Action* Copy_To_Budget</p> <p>Follow-Up Action <input type="checkbox"/> Publish target version automatically ⓘ</p> <p>▼ Parameters</p> <p>Target Version Select the version to run the data action on</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td><input type="button" value="▼"/> Maintenance Pl...</td> </tr> </table> <p>CompanyCode</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td><input type="button" value="▼"/> Bagnoli & Co</td> </tr> </table> <p><input type="button" value="Company Code"/></p> <p>Cost Center</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td><input type="button" value="▼"/> Maintenance DE</td> </tr> </table> <p><input type="button" value="Cost Center"/></p> <p>Functional Location</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td><input type="button" value="▼"/> 1010-SSF... ×</td> </tr> </table> <p><input type="button" value="Functional Location"/></p> <p>Plant</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td><input type="button" value="▼"/> Plant 1</td> </tr> </table> <p><input type="button" value="Plant"/></p> <p>SourceVersion</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Prompt</td> <td><input type="button" value="▼"/></td> </tr> </table>	Input	Value	Fixed Value	<input type="button" value="▼"/> Maintenance Pl...	Input	Value	Fixed Value	<input type="button" value="▼"/> Bagnoli & Co	Input	Value	Fixed Value	<input type="button" value="▼"/> Maintenance DE	Input	Value	Fixed Value	<input type="button" value="▼"/> 1010-SSF... ×	Input	Value	Fixed Value	<input type="button" value="▼"/> Plant 1	Input	Value	Prompt	<input type="button" value="▼"/>
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Save the Story																									

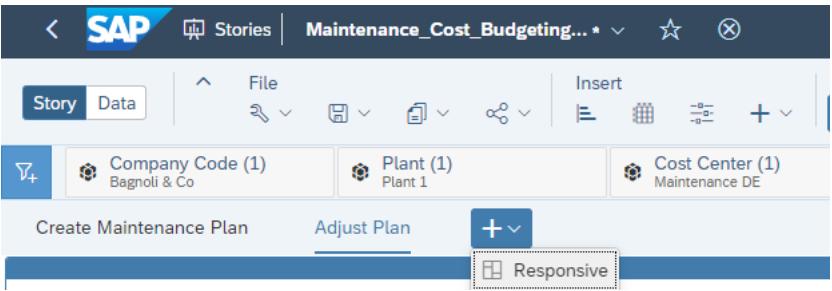
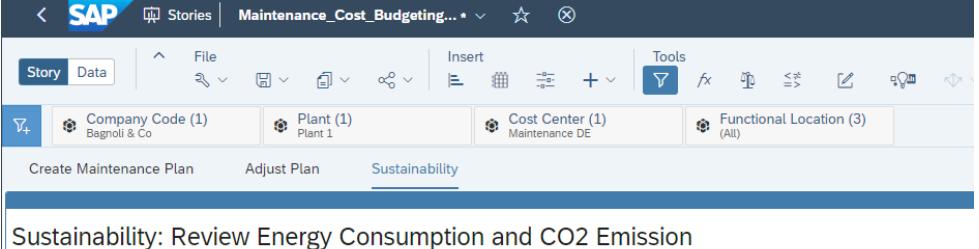
Explanation	Screenshot
<p>Select functional location "1010-SSF-SAC-PLAR1-CTM1" in the story filter. The table display is adjusted accordingly</p>	
<p>Use the table control to manually adjust the of maintenance cost. Select March 2022 for proactive maintenance category of the proactive maintenance version and right -10% and press enter</p>	
<p>SAC reduce the cost by 10%</p>	
<p>Right Click on the cell and select Add Data Point Comment</p>	

Explanation	Screenshot
<p>The comment dialog box opens. Provide reason for the cost reduction and click on Add Comment</p>	
<p>The data point comment is added to the cell</p>	
<p>Save the changes to the database by selecting Publish Data</p>	

Explanation	Screenshot																
<p>Insert a chart to show comparison between Proactive, Cyclic and Plan version for 2022. Configure the chart as shown</p>	 <p>Chart Structure</p> <ul style="list-style-type: none"> Comparison Trend Distribution Correlation Indicator More <p>Chart Orientation: Horizontal</p> <p>Recommended Comparisons (6)</p> <p>Measures</p> <ul style="list-style-type: none"> Maintenance Cost in Local Currency + Add Measure <p>Dimensions</p> <ul style="list-style-type: none"> + Add Dimension <p>Color</p> <table border="1"> <thead> <tr> <th>Version</th> <th>Show As</th> <th>Pattern</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>Cyclic Maintenance</td> <td>Icon</td> <td>●</td> <td>Orange</td> </tr> <tr> <td>Proactive Maintenance</td> <td>Icon</td> <td>●</td> <td>Green</td> </tr> <tr> <td>Maintenance Plan</td> <td>Icon</td> <td>○</td> <td>Blue</td> </tr> </tbody> </table> <p>+ Add Version</p> <p>Filters</p> <ul style="list-style-type: none"> Date (1) 2022 Version (3) Cyclic Maintenance, Proactive Maintenance, Maintenance P... <p>+ Add Filters</p>	Version	Show As	Pattern	Color	Cyclic Maintenance	Icon	●	Orange	Proactive Maintenance	Icon	●	Green	Maintenance Plan	Icon	○	Blue
Version	Show As	Pattern	Color														
Cyclic Maintenance	Icon	●	Orange														
Proactive Maintenance	Icon	●	Green														
Maintenance Plan	Icon	○	Blue														

Explanation	Screenshot																						
	 <p>Maintenance Cost Budget : Adjust Proposal</p> <p>Create Budget</p> <p>Maintenance Cost in Local Currency for Cyclic Maintenance, Proactive Maintenance and others</p> <p>in EUR 1 Filter</p> <p>Cyclic Maintenance Proactive Maintenance</p> <p>Maintenance Cost in Local Currency</p> <p>18,000.00</p> <p>MaintenanceCostBudgeting_00</p> <p>in EUR 1 Filter</p> <table border="1"> <thead> <tr> <th>Measures</th> <th>Maintenance Cost in Local Currency</th> </tr> <tr> <th>Date</th> <th>2022</th> </tr> </thead> <tbody> <tr> <td>Functional Location</td> <td>1010-SSF-SAC-PLAR1-CTM1</td> </tr> <tr> <td>Equipment</td> <td>LGP-Cutting Machine#1</td> </tr> <tr> <td>Version</td> <td>Cyclic Maintenance</td> </tr> <tr> <td>Maintenance Category</td> <td>Proactive Maintenance 0.00</td> </tr> <tr> <td></td> <td>Corrective Maintenance 0.00</td> </tr> <tr> <td></td> <td>Preventive Maintenance 18,000.00</td> </tr> <tr> <td></td> <td>Proactive Maintenance * 10,200.00</td> </tr> <tr> <td></td> <td>Corrective Maintenance 0.00</td> </tr> <tr> <td></td> <td>Preventive Maintenance 0.00</td> </tr> </tbody> </table>	Measures	Maintenance Cost in Local Currency	Date	2022	Functional Location	1010-SSF-SAC-PLAR1-CTM1	Equipment	LGP-Cutting Machine#1	Version	Cyclic Maintenance	Maintenance Category	Proactive Maintenance 0.00		Corrective Maintenance 0.00		Preventive Maintenance 18,000.00		Proactive Maintenance * 10,200.00		Corrective Maintenance 0.00		Preventive Maintenance 0.00
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Click on data action Create Budget	 <p>Maintenance Cost Budget : Adjust Proposal</p> <p>Create Budget</p> <p>SourceVersion</p> <p>Proactive Maintenance</p> <p>Run Cancel</p>																						
Select Source Version and Click on Run																							

Explanation	Screenshot								
<p>The data action runs successfully, and the plan version is available in the chart for comparison</p>	 <p>Maintenance Cost Budget : Adjust Proposal</p> <p>Create Budget</p> <p>Maintenance Cost in Local Currency for Cyclic Maintenance, Proactive Maintenance and others</p> <p>in EUR 1 Filter</p> <p>Cyclic Maintenance Proactive Maintenance Maintenance Plan</p> <table border="1"> <thead> <tr> <th>Maintenance Cost in Local Currency</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Cyclic Maintenance</td> <td>18,000.00</td> </tr> <tr> <td>Proactive Maintenance</td> <td>10,200.00</td> </tr> <tr> <td>Maintenance Plan</td> <td>10,200.00</td> </tr> </tbody> </table>	Maintenance Cost in Local Currency	Value	Cyclic Maintenance	18,000.00	Proactive Maintenance	10,200.00	Maintenance Plan	10,200.00
Maintenance Cost in Local Currency	Value								
Cyclic Maintenance	18,000.00								
Proactive Maintenance	10,200.00								
Maintenance Plan	10,200.00								
<p>Select all functional location in the story filter and rerun te data action to copy proactive plan version to budget version Maintenance Plan</p>	 <p>Create Maintenance Plan Page 1</p> <p>Maintenance Cost Budget : Adjust Proposal</p> <p>Create Budget</p> <p>Maintenance Cost in Local Currency for Cyclic Maintenance, Proactive Maintenance and others</p> <p>Run Data Action</p> <p>in EUR 1 Filter</p> <p>Cyclic Maintenance Proactive Maintenance Maintenance Plan</p> <table border="1"> <thead> <tr> <th>Maintenance Cost in Local Currency</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Cyclic Maintenance</td> <td>196,000.00</td> </tr> <tr> <td>Proactive Maintenance</td> <td>58,200.00</td> </tr> <tr> <td>Maintenance Plan</td> <td>58,200.00</td> </tr> </tbody> </table>	Maintenance Cost in Local Currency	Value	Cyclic Maintenance	196,000.00	Proactive Maintenance	58,200.00	Maintenance Plan	58,200.00
Maintenance Cost in Local Currency	Value								
Cyclic Maintenance	196,000.00								
Proactive Maintenance	58,200.00								
Maintenance Plan	58,200.00								

Explanation	Screenshot
Rename the page and save the story	<p style="text-align: center;">Rename Page</p> <p>Name</p> <input type="text" value="Adjust Plan"/> <p style="text-align: right;">Rename Cancel</p>
Review the Sustainability	
Add a new page	 <p>The screenshot shows the SAP Stories interface with a toolbar at the top. Below the toolbar, there are three cards: 'Company Code (1) Bagnoli & Co', 'Plant (1) Plant 1', and 'Cost Center (1) Maintenance DE'. A blue button labeled 'Responsive' is highlighted with a dashed box.</p>
Rename the page Sustainability	<p style="text-align: center;">Rename Page</p> <p>Name</p> <input type="text" value="Sustainability"/> <p style="text-align: right;">Rename Cancel</p>
Remove the right lane. Add title Sustainability: Review Energy Consumption and CO2 Emission	 <p>The screenshot shows the SAP Stories interface with a toolbar at the top. Below the toolbar, there are four cards: 'Company Code (1) Bagnoli & Co', 'Plant (1) Plant 1', 'Cost Center (1) Maintenance DE', and 'Functional Location (3) (All)'. A blue button labeled 'Sustainability' is highlighted with a dashed box. Below the cards, the text 'Sustainability: Review Energy Consumption and CO2 Emission' is displayed.</p>

Explanation	Screenshot																																																																																																																																																																					
Insert Table and Configure the table as shown	<p>Table Structure</p> <p>Cross-tab</p> <p><input checked="" type="checkbox"/> Adaptive Column Width <input type="checkbox"/> Arrange Totals / Parent Nodes Below <input checked="" type="checkbox"/> Optimized Presentation</p> <p>Rows</p> <ul style="list-style-type: none"> Functional Location Equipment Measures 2 Model Measures <p>+ Add Measures/Dimensions</p> <p>Columns</p> <ul style="list-style-type: none"> Date Version <p>+ Add Measures/Dimensions</p> <p>Filters</p> <ul style="list-style-type: none"> Date (1) 2022 Measures (2) CO2 Emission in KGs, EnergyConsumption in KWH Version (2) public.Cyclic Maintenance (Cyclic Maintenance), public.Pro... <p>+ Add Filters</p> <p>MaintenanceCostBudgeting_00</p> <table border="1"> <thead> <tr> <th rowspan="2">Functional Location</th> <th rowspan="2">Equipment</th> <th rowspan="2">Measures</th> <th colspan="2">Date</th> <th colspan="4">Jan (2022)</th> <th colspan="4">Feb (2022)</th> <th colspan="4">Mar (2022)</th> <th colspan="4">Apr (2022)</th> </tr> <tr> <th>Version</th> <th>Cyclic Maintenance</th> <th>Proactive Maintenance</th> <th>Cyclic Maintenance</th> </tr> </thead> <tbody> <tr> <td>1010-SSP-SAC-PLAR1-CTM1</td> <td>LGP-Cutting Machine#1</td> <td>CO2 Emission in KGs</td> <td>1.016.12</td> <td>1.021.66</td> <td>62.24</td> <td>87.54</td> <td>93.81</td> <td>79.57</td> <td>75.70</td> <td>84.72</td> <td>98.58</td> </tr> <tr> <td></td> <td></td> <td>EnergyConsumption in KWH</td> <td>33.759.98</td> <td>33.844.59</td> <td>2.712.35</td> <td>2.908.48</td> <td>2.794.67</td> <td>2.643.52</td> <td>2.515.12</td> <td>2.814.86</td> <td>3.275.39</td> </tr> <tr> <td>1010-SSP-SAC-PLAR1-DTM1</td> <td>LGP-Dotting Machine#1</td> <td>CO2 Emission in KGs</td> <td>0.37</td> <td>2.98</td> <td>—</td> <td>0.38</td> <td>—</td> <td>0.36</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td></td> <td>EnergyConsumption in KWH</td> <td>12.56</td> <td>100.14</td> <td>—</td> <td>12.64</td> <td>—</td> <td>12.24</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>1010-SSP-SAC-PLAR1-R0B7</td> <td>LGP-LED assembling machine robotic arm 1</td> <td>CO2 Emission in KGs</td> <td>0.10</td> <td>0.57</td> <td>—</td> <td>0.05</td> <td>—</td> <td>—</td> <td>0.05</td> <td>0.18</td> <td>—</td> </tr> <tr> <td></td> <td></td> <td>EnergyConsumption in KWH</td> <td>3.95</td> <td>19.98</td> <td>—</td> <td>1.97</td> <td>—</td> <td>—</td> <td>1.98</td> <td>5.99</td> <td>—</td> </tr> <tr> <td></td> <td>LGP-LED assembling machine robotic arm 2</td> <td>CO2 Emission in KGs</td> <td>—</td> <td>0.70</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>0.11</td> <td>—</td> </tr> <tr> <td></td> <td></td> <td>EnergyConsumption in KWH</td> <td>—</td> <td>23.96</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>3.96</td> <td>—</td> </tr> <tr> <td></td> <td>LGP-LED assembling machine robotic arm 3</td> <td>CO2 Emission in KGs</td> <td>0.12</td> <td>0.52</td> <td>—</td> <td>0.06</td> <td>—</td> <td>—</td> <td>0.06</td> <td>0.06</td> <td>—</td> </tr> <tr> <td></td> <td></td> <td>EnergyConsumption in KWH</td> <td>4.00</td> <td>17.96</td> <td>—</td> <td>2.02</td> <td>—</td> <td>—</td> <td>2.00</td> <td>2.01</td> <td>—</td> </tr> <tr> <td></td> <td>LGP-LED assembling machine robotic arm 4</td> <td>CO2 Emission in KGs</td> <td>0.11</td> <td>0.34</td> <td>0.05</td> <td>0.00</td> <td>—</td> <td>—</td> <td>—</td> <td>0.11</td> <td>—</td> </tr> </tbody> </table>	Functional Location	Equipment	Measures	Date		Jan (2022)				Feb (2022)				Mar (2022)				Apr (2022)				Version	Cyclic Maintenance	Proactive Maintenance	Cyclic Maintenance	1010-SSP-SAC-PLAR1-CTM1	LGP-Cutting Machine#1	CO2 Emission in KGs	1.016.12	1.021.66	62.24	87.54	93.81	79.57	75.70	84.72	98.58			EnergyConsumption in KWH	33.759.98	33.844.59	2.712.35	2.908.48	2.794.67	2.643.52	2.515.12	2.814.86	3.275.39	1010-SSP-SAC-PLAR1-DTM1	LGP-Dotting Machine#1	CO2 Emission in KGs	0.37	2.98	—	0.38	—	0.36	—	—	—			EnergyConsumption in KWH	12.56	100.14	—	12.64	—	12.24	—	—	—	1010-SSP-SAC-PLAR1-R0B7	LGP-LED assembling machine robotic arm 1	CO2 Emission in KGs	0.10	0.57	—	0.05	—	—	0.05	0.18	—			EnergyConsumption in KWH	3.95	19.98	—	1.97	—	—	1.98	5.99	—		LGP-LED assembling machine robotic arm 2	CO2 Emission in KGs	—	0.70	—	—	—	—	—	0.11	—			EnergyConsumption in KWH	—	23.96	—	—	—	—	—	3.96	—		LGP-LED assembling machine robotic arm 3	CO2 Emission in KGs	0.12	0.52	—	0.06	—	—	0.06	0.06	—			EnergyConsumption in KWH	4.00	17.96	—	2.02	—	—	2.00	2.01	—		LGP-LED assembling machine robotic arm 4	CO2 Emission in KGs	0.11	0.34	0.05	0.00	—	—	—	0.11	—								
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1010-SSP-SAC-PLAR1-CTM1	LGP-Cutting Machine#1	CO2 Emission in KGs	1.016.12	1.021.66	62.24	87.54	93.81	79.57	75.70	84.72	98.58																																																																																																																																																											
		EnergyConsumption in KWH	33.759.98	33.844.59	2.712.35	2.908.48	2.794.67	2.643.52	2.515.12	2.814.86	3.275.39																																																																																																																																																											
1010-SSP-SAC-PLAR1-DTM1	LGP-Dotting Machine#1	CO2 Emission in KGs	0.37	2.98	—	0.38	—	0.36	—	—	—																																																																																																																																																											
		EnergyConsumption in KWH	12.56	100.14	—	12.64	—	12.24	—	—	—																																																																																																																																																											
1010-SSP-SAC-PLAR1-R0B7	LGP-LED assembling machine robotic arm 1	CO2 Emission in KGs	0.10	0.57	—	0.05	—	—	0.05	0.18	—																																																																																																																																																											
		EnergyConsumption in KWH	3.95	19.98	—	1.97	—	—	1.98	5.99	—																																																																																																																																																											
	LGP-LED assembling machine robotic arm 2	CO2 Emission in KGs	—	0.70	—	—	—	—	—	0.11	—																																																																																																																																																											
		EnergyConsumption in KWH	—	23.96	—	—	—	—	—	3.96	—																																																																																																																																																											
	LGP-LED assembling machine robotic arm 3	CO2 Emission in KGs	0.12	0.52	—	0.06	—	—	0.06	0.06	—																																																																																																																																																											
		EnergyConsumption in KWH	4.00	17.96	—	2.02	—	—	2.00	2.01	—																																																																																																																																																											
	LGP-LED assembling machine robotic arm 4	CO2 Emission in KGs	0.11	0.34	0.05	0.00	—	—	—	0.11	—																																																																																																																																																											
Insert Chart to show the energy consumption and CO2 emission in different versions for 2022	Energy Consumption																																																																																																																																																																					

Explanation	Screenshot																
	<p>Chart Structure</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Comparison  </div> <div style="text-align: center;"> Trend  </div> <div style="text-align: center;"> Distribution  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> Correlation  </div> <div style="text-align: center;"> Indicator  </div> <div style="text-align: center;"> More  </div> </div> <p>Chart Orientation Horizontal</p> <p>Recommended Comparisons (6)</p> <p>Measures EnergyConsumption in KWH X</p> <p>+ Add Measure</p> <p>Dimensions + Add Dimension</p> <p>Color</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Version</th> <th style="width: 20%;">Show As</th> <th style="width: 20%;">Pattern</th> <th style="width: 20%;">Color</th> </tr> </thead> <tbody> <tr> <td>Cyclic Maintenance</td> <td>Icon</td> <td>●</td> <td>Orange</td> </tr> <tr> <td>Maintenance Plan</td> <td>Icon</td> <td>●</td> <td>Blue</td> </tr> <tr> <td>Proactive Maintenance</td> <td>Icon</td> <td>●</td> <td>Green</td> </tr> </tbody> </table> <p>+ Add Version</p> <p>Filters Version (3) Cyclic Maintenance, Maintenance Plan, Proactive Maintenance</p>	Version	Show As	Pattern	Color	Cyclic Maintenance	Icon	●	Orange	Maintenance Plan	Icon	●	Blue	Proactive Maintenance	Icon	●	Green
Version	Show As	Pattern	Color														
Cyclic Maintenance	Icon	●	Orange														
Maintenance Plan	Icon	●	Blue														
Proactive Maintenance	Icon	●	Green														

Explanation

Screenshot

Chart Structure

Comparison Trend Distribution

Correlation Indicator More

Chart Orientation: Horizontal

Recommended Comparisons (6)

Measures: CO2 Emission in KGs

Dimensions: + Add Dimension

Color: Version

Version	Show As	Pattern	Color
Cyclic Maintenance	Icon	●	Orange
Maintenance Plan	Icon	●	Blue
Proactive Maintenance	Icon	●	Green

Filters: Version (3) Cyclic Maintenance, Maintenance Plan, Proactive Maintenance

Save the story

Sustainability: Review Energy Consumption and CO2 Emission

EnergyConsumption in KWH for Cyclic Maintenance, Maintenance Plan and others

CO2 Emission in KGs for Cyclic Maintenance, Maintenance Plan and others

MaintenanceCostBudgeting_00

Date: 2022

Functional Location	Equipment	Measures	Version	Cyclic Maintenance	Proactive Maintenance						
1010-SSP-SAC-PLAR1-CTM1	LGP-Cutting Machine1	CO2 Emission in KGs	1.016.12	1.021.66	82.24	87.54	83.81	79.57	75.70	84.72	98.58
1010-SSP-SAC-PLAR1-DTM1	LGP-Dotting Machine1	EnergyConsumption in KWH	33.759.08	33.943.90	2.732.35	2.909.40	2.764.67	2.643.52	2.551.12	2.814.86	3.275.39
1010-SSP-SAC-PLAR1-ROBT	LGP-LED assembling machine robotic arm 1	CO2 Emission in KGs	0.37	2.98	—	0.38	—	0.36	—	—	—
		EnergyConsumption in KWH	12.58	100.14	—	12.64	—	12.24	—	—	—
		CO2 Emission in KGs	0.10	0.57	—	0.09	—	0.05	—	0.18	—
		EnergyConsumption in KWH	3.95	19.08	—	1.97	—	1.98	—	5.99	—
		CO2 Emission in KGs	—	0.70	—	—	—	—	—	0.11	—
		EnergyConsumption in KWH	—	23.96	—	—	—	—	—	3.96	—
		CO2 Emission in KGs	0.12	0.52	—	0.06	—	0.06	—	0.06	—
		EnergyConsumption in KWH	4.00	17.96	—	2.02	—	2.00	—	2.01	—
		CO2 Emission in KGs	0.11	0.34	0.05	0.00	—	—	—	0.11	—