



PARTNER

Building Intelligent and Sustainability Scenario with SAP BTP

EP320-SAP Analytics Cloud Maintenance Cost & Sustainability Planning

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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Table of Contents

DISCLAIMER	4
OBJECTIVE	4
SCENARIO	4
ENVIRONMENT ACCESS – SAP ANALYTICS CLOUD	5
PREREQUISITES	5
EXERCISE STEP DETAILS	5

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 obtain the Tenant details and Login Credentials of SAP Analytics Cloud provided to you as instruction below.

SAP Analytics Cloud (To login SAP Analytics Cloud and perform the exercise.)

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

For the Bootcamp participants, please use the SAP Analytics Cloud tenant provided by SAP, and your assigned user id and password.

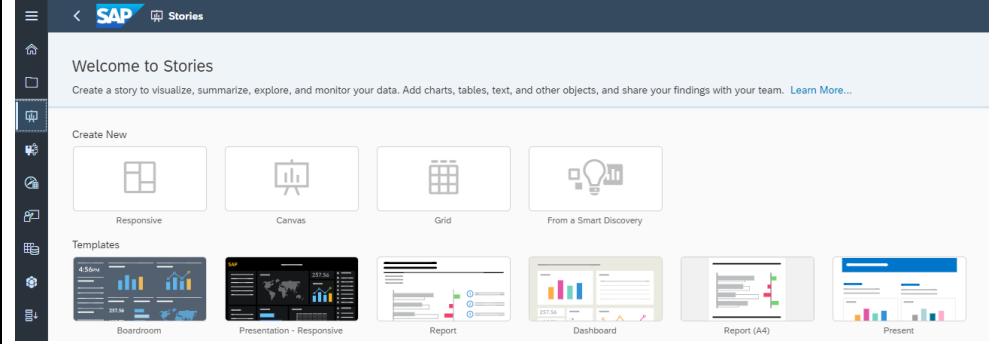
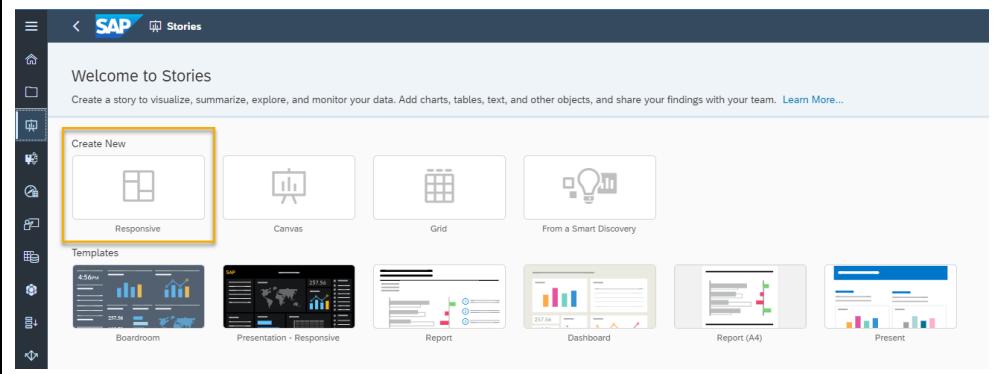
- The SAP Analytics cloud tenant URL is available in the dedicated Microsoft Teams > General (Channel) > System Access (Tab) > SAP Analytics Cloud (Section), which you have been invited.
- Your assigned user id and password for SAP Analytics Cloud are communicated individually via email.

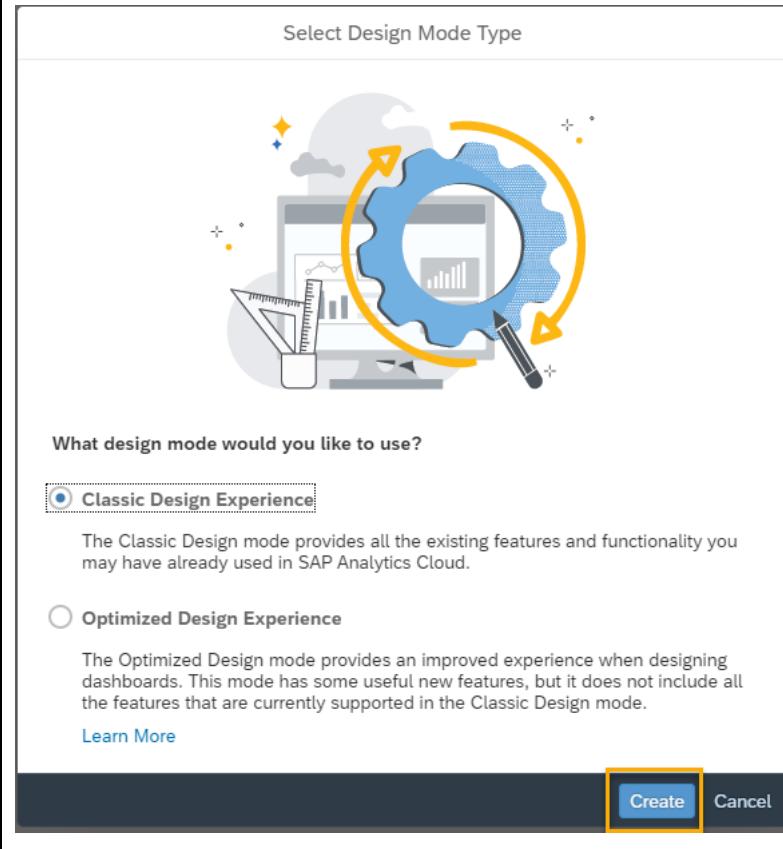
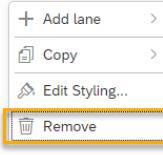
PREREQUISITES

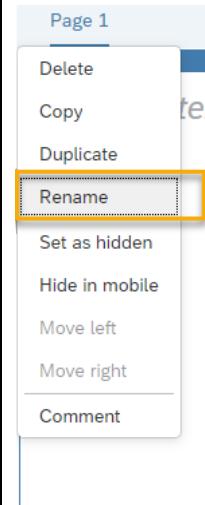
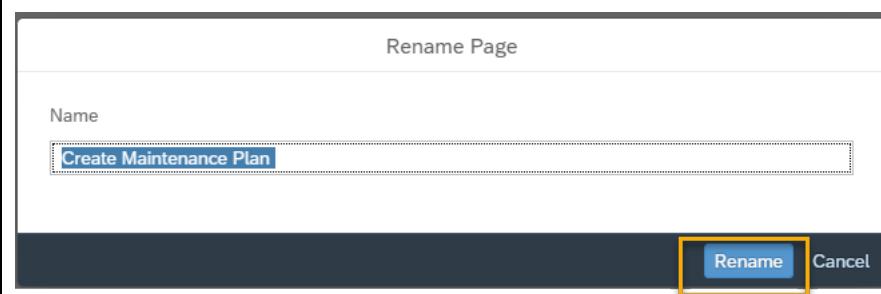
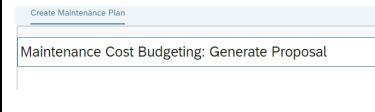
You have completed exercise 1 and 2.

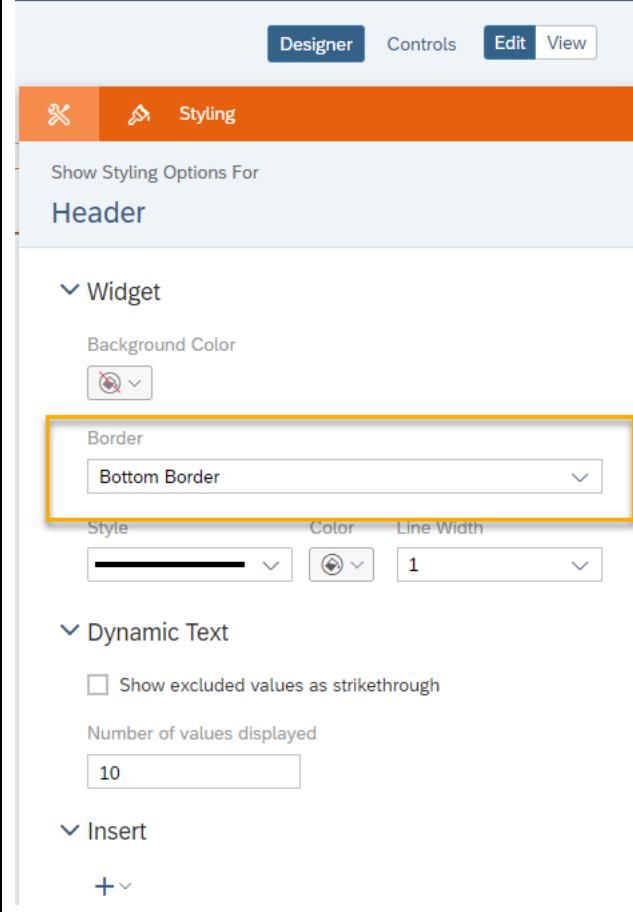
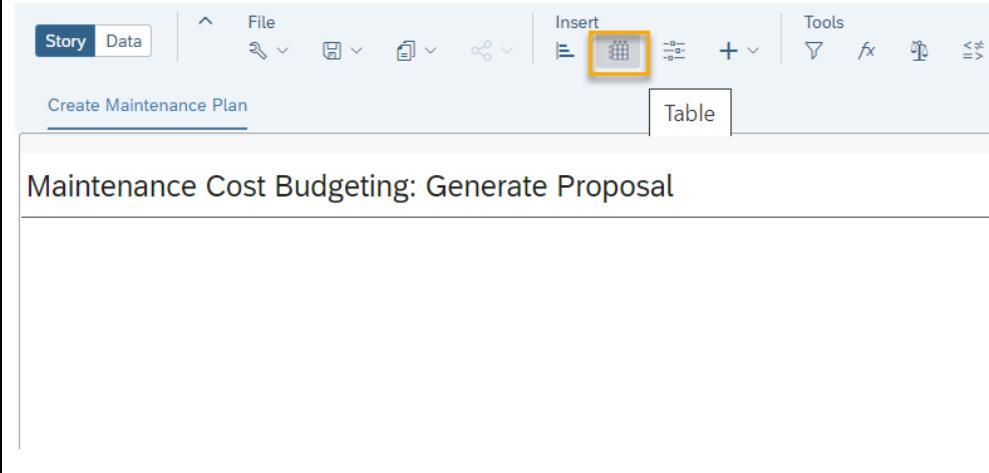
EXERCISE STEP DETAILS

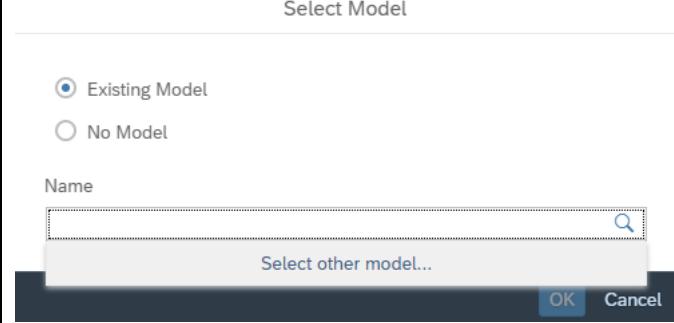
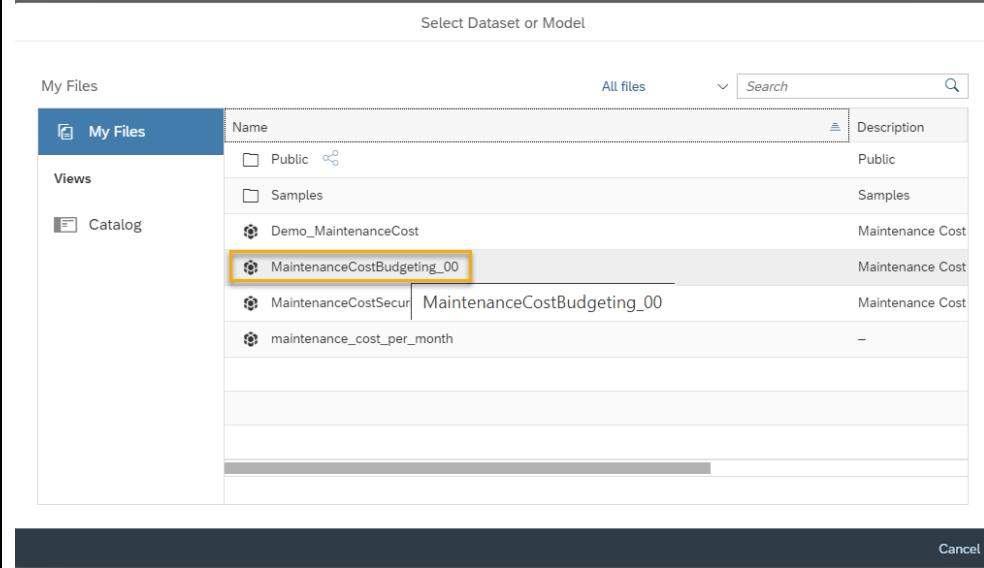
Explanation	Screenshot
<p>Log on to SAP Analytics Cloud with the given tenant URL and assigned user credential mentioned above.</p> <p>Go to the Home Screen.</p>	

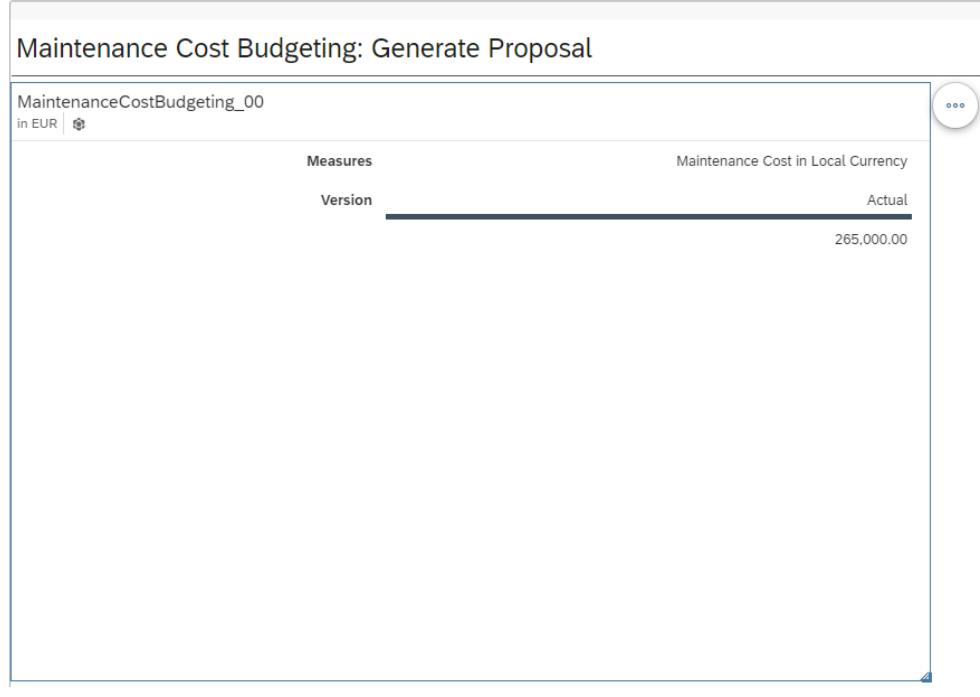
Explanation	Screenshot
<p>Click on the stories icon, the system opens home page for Stories.</p> 	
<p>Click on Create New -> Responsive</p>	

Explanation	Screenshot
<p>In the design mode selection pop up select Classic Design Experience and click Create</p>	 <p>Select Design Mode Type</p> <p>What design mode would you like to use?</p> <p><input checked="" type="radio"/> Classic Design Experience</p> <p>The Classic Design mode provides all the existing features and functionality you may have already used in SAP Analytics Cloud.</p> <p><input type="radio"/> Optimized Design Experience</p> <p>The Optimized Design mode provides an improved experience when designing dashboards. This mode has some useful new features, but it does not include all the features that are currently supported in the Classic Design mode.</p> <p>Learn More</p> <p>Create Cancel</p>
<p>Right Click on the right lane and choose Remove</p>	 <ul style="list-style-type: none"> + Add lane > Copy > Edit Styling... Remove

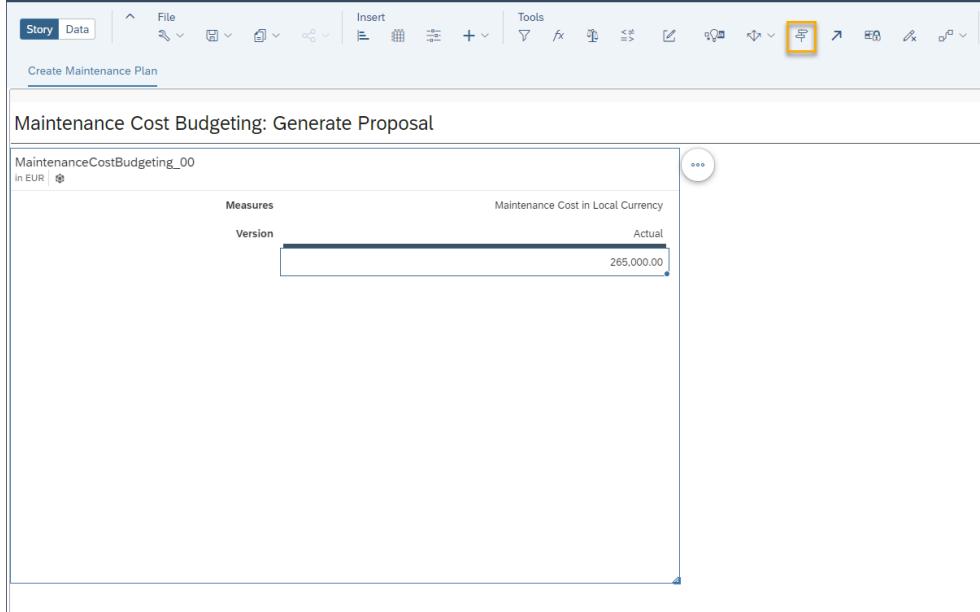
Explanation	Screenshot
Click on the Page 1 and select Rename	 <p>A context menu is open for 'Page 1'. The options listed are: Delete, Copy, Duplicate, Rename (which is highlighted with a yellow box), Set as hidden, Hide in mobile, Move left, Move right, and Comment.</p>
Rename the page Create Maintenance Plan and click on Rename	 <p>The dialog box title is 'Rename Page'. It has a 'Name' input field containing 'Create Maintenance Plan'. At the bottom are two buttons: 'Rename' (highlighted with a yellow box) and 'Cancel'.</p>
Click on the title and type "Maintenance Cost Budgeting: Generate Proposal"	 <p>The page title is 'Create Maintenance Plan'. The content area displays the text 'Maintenance Cost Budgeting: Generate Proposal'.</p>

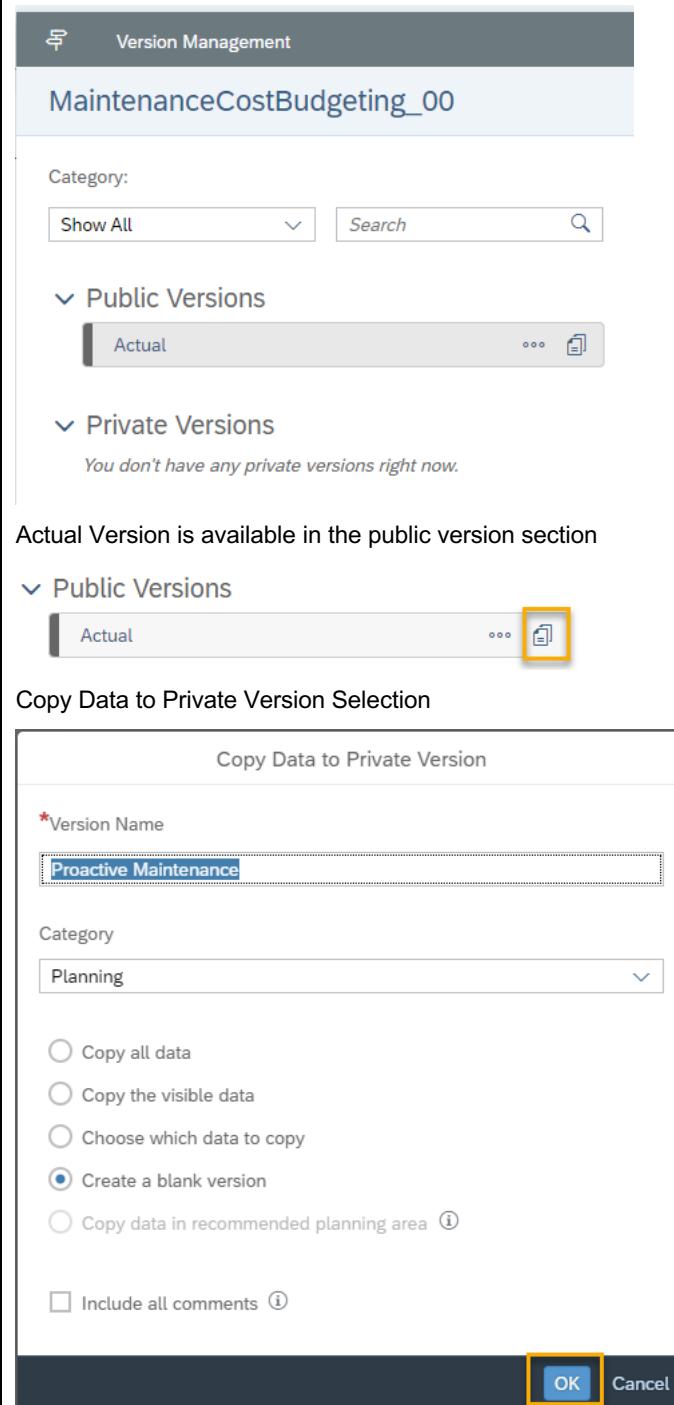
Explanation	Screenshot
<p>Click on Designer -> Styling and in the Border select Bottom Border. Click on Designer again to come out of the styling</p>	
<p>In the Insert menu click on  to insert a table in the story</p>	

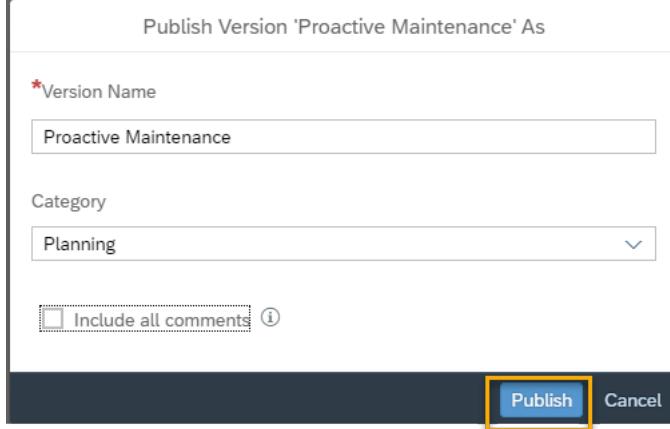
Explanation	Screenshot
<p>In the model selection pop up click on name and select other model</p>	
<p>Select the maintenance cost budgeting model created in exercise 1</p>	

Explanation	Screenshot						
<p>The table shows the Maintenance Cost Local Currency Measure and version -> Actual</p>	 <table border="1"> <thead> <tr> <th data-bbox="535 375 633 397">Measures</th> <th data-bbox="535 418 1122 439">Maintenance Cost in Local Currency</th> </tr> </thead> <tbody> <tr> <td data-bbox="535 460 633 481">Version</td> <td data-bbox="535 481 1122 502">Actual</td> </tr> <tr> <td></td> <td data-bbox="1351 481 1432 502">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

<p>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,</p> <ul style="list-style-type: none"> 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 screen appears. Provide following values 	 <table border="1"> <thead> <tr> <th data-bbox="535 1326 633 1347">Measures</th> <th data-bbox="535 1347 1122 1368">Maintenance Cost in Local Currency</th> </tr> </thead> <tbody> <tr> <td data-bbox="535 1368 633 1389">Version</td> <td data-bbox="535 1389 1122 1410">Actual</td> </tr> <tr> <td></td> <td data-bbox="1122 1389 1204 1410">265,000.00</td> </tr> </tbody> </table> <p>Version Management</p>	Measures	Maintenance Cost in Local Currency	Version	Actual		265,000.00
Measures	Maintenance Cost in Local Currency						
Version	Actual						
	265,000.00						

Explanation	Screenshot
<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. Click  and select publish as • 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 • Close the Version Management dialogue. 	 <p>Category:</p> <p>Show All <input type="button" value="..."/> Search <input type="text"/></p> <p>▼ Public Versions</p> <p>Actual <input type="button" value="..."/> <input style="outline: 2px solid orange; border-radius: 5px; padding: 2px 10px;" type="button" value="Publish As"/></p> <p>▼ Private Versions</p> <p>You don't have any private versions right now.</p> <p>Actual Version is available in the public version section</p> <p>▼ Public Versions</p> <p>Actual <input type="button" value="..."/> <input style="outline: 2px solid orange; border-radius: 5px; padding: 2px 10px;" type="button" value="Publish As"/></p> <p>Copy Data to Private Version Selection</p> <p>Copy Data to Private Version</p> <p>*Version Name <input type="text" value="Proactive Maintenance"/></p> <p>Category <input style="outline: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="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><input style="outline: 2px solid orange; border-radius: 5px; padding: 5px 10px;" type="button" value="OK"/> <input type="button" value="Cancel"/></p> <p>Publish to Public Version</p> <p>▼ Private Versions</p> <p>Proactive Maintenance <input type="button" value="..."/> <input style="outline: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="button" value="Publish"/> <input style="outline: 2px solid orange; border-radius: 5px; padding: 2px 10px;" type="button" value="Publish As"/></p>

Explanation	Screenshot																
	<p>Publish Proactive Maintenance Version</p>  <p>Published Versions</p> <table border="1"> <thead> <tr> <th>Version</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>Actual</td> <td>... </td> </tr> <tr> <td>Proactive Maintenance</td> <td>... </td> </tr> </tbody> </table> <p>All Published Versions</p> <table border="1"> <thead> <tr> <th>Version</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>Actual</td> <td>... </td> </tr> <tr> <td>Cyclic Maintenance</td> <td>... </td> </tr> <tr> <td>Maintenance Plan</td> <td>... </td> </tr> <tr> <td>Proactive Maintenance</td> <td>... </td> </tr> </tbody> </table> <p>Close Version Management</p>	Version	Actions	Actual	...	Proactive Maintenance	...	Version	Actions	Actual	...	Cyclic Maintenance	...	Maintenance Plan	...	Proactive Maintenance	...
Version	Actions																
Actual	...																
Proactive Maintenance	...																
Version	Actions																
Actual	...																
Cyclic Maintenance	...																
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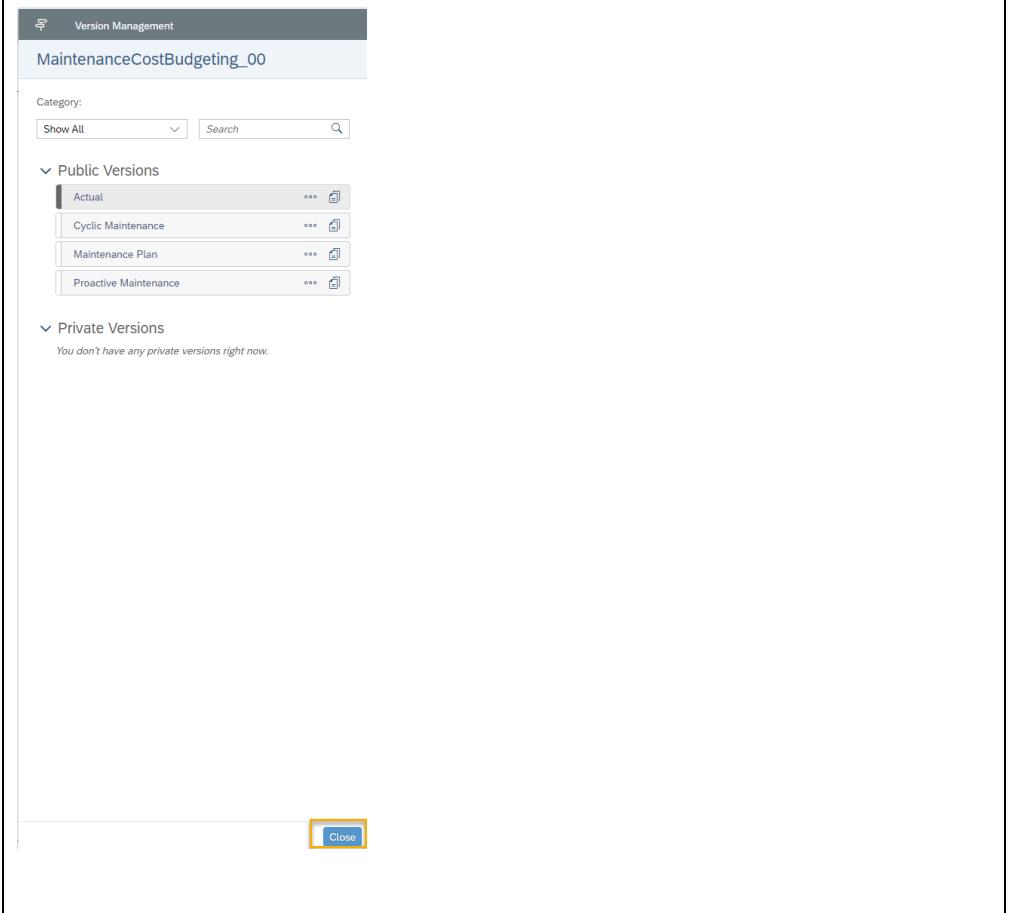
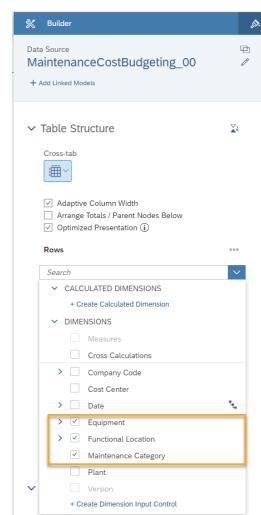
Explanation	Screenshot
	

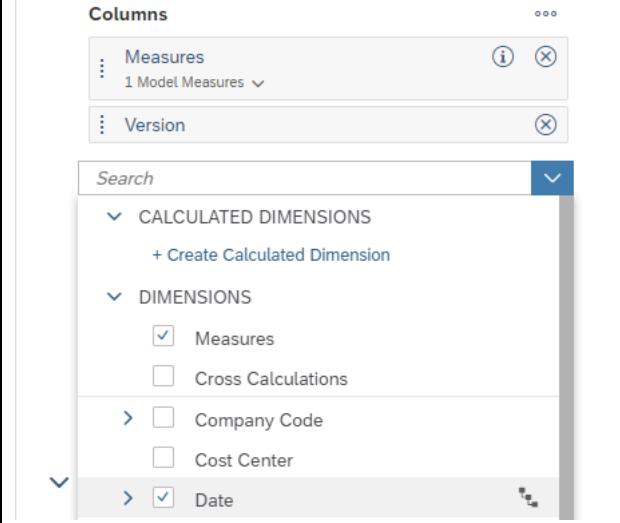
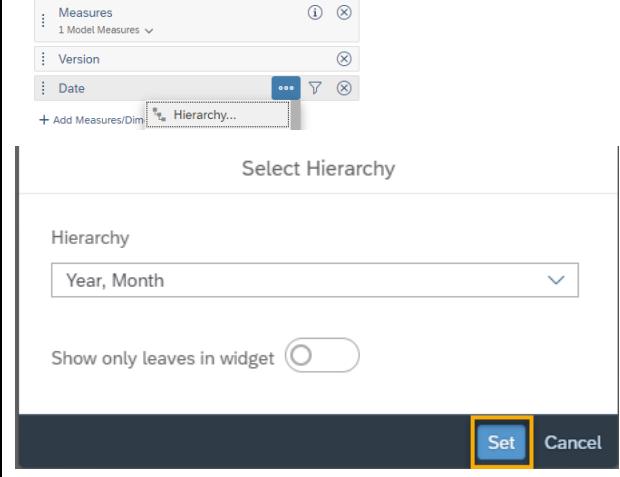
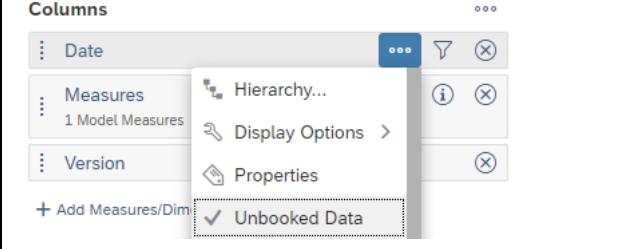
Table Configuration

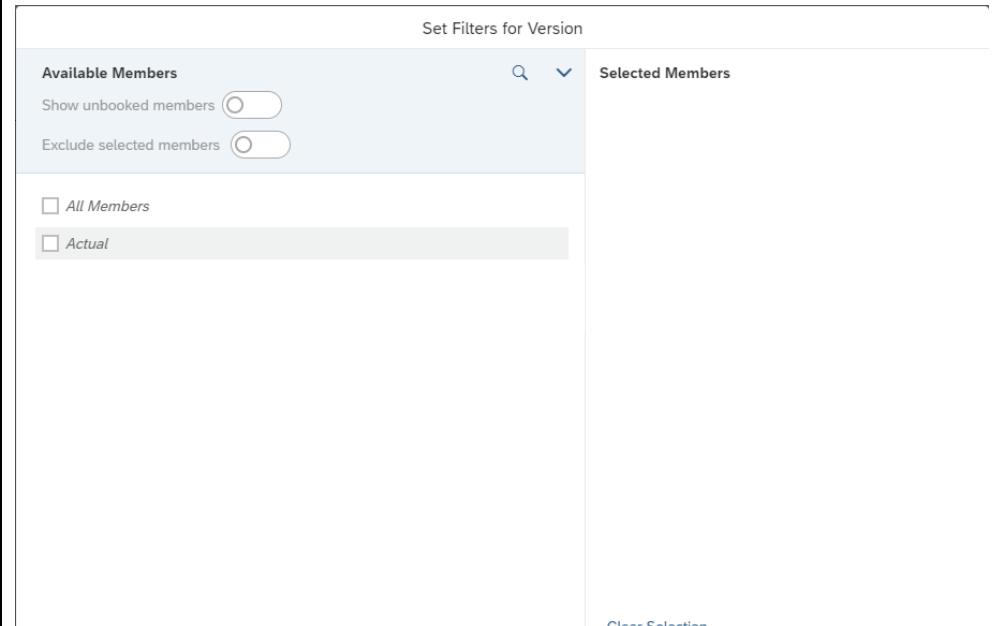
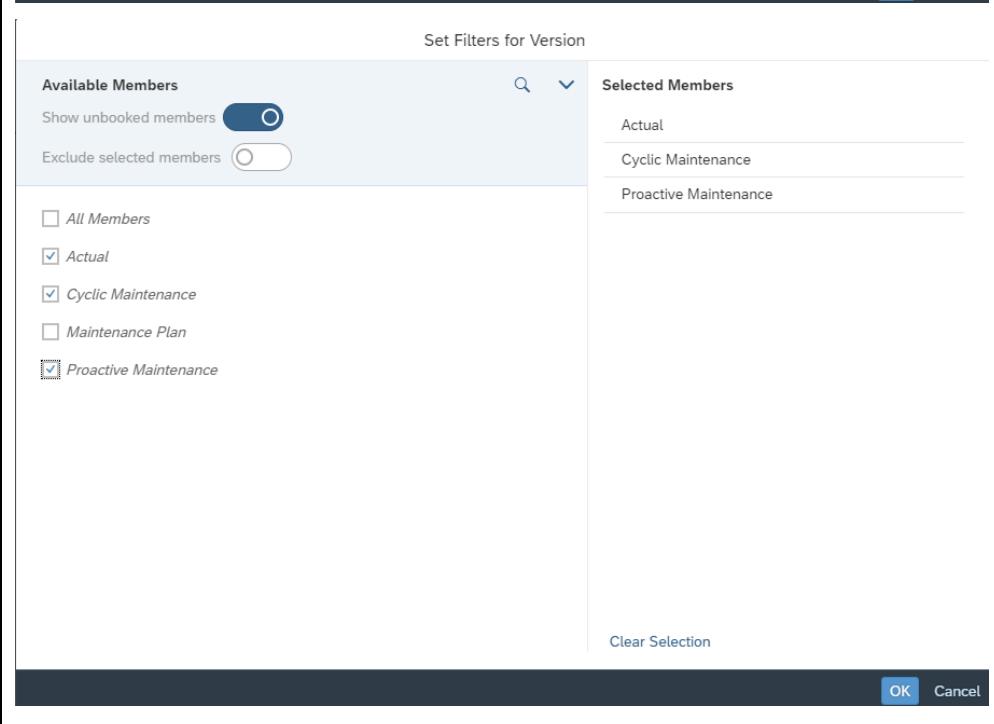
In the next steps we will configure the table control. Click on the table and navigate to Designer -> Builder. In the Rows section click on [+ Add Measures/Dimensions](#) and select following dimensions,

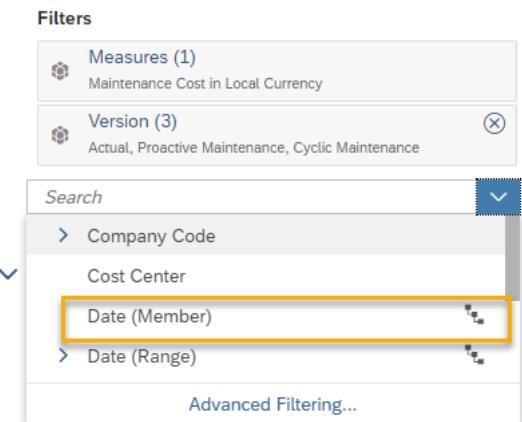
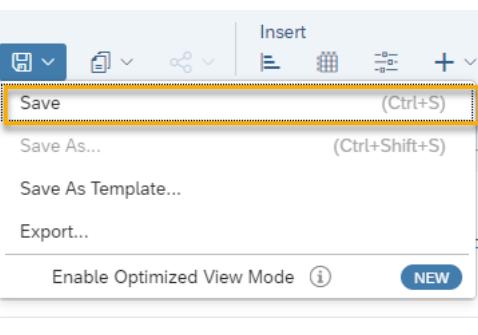
- Functional Location
- Equipment
- Maintenance Category

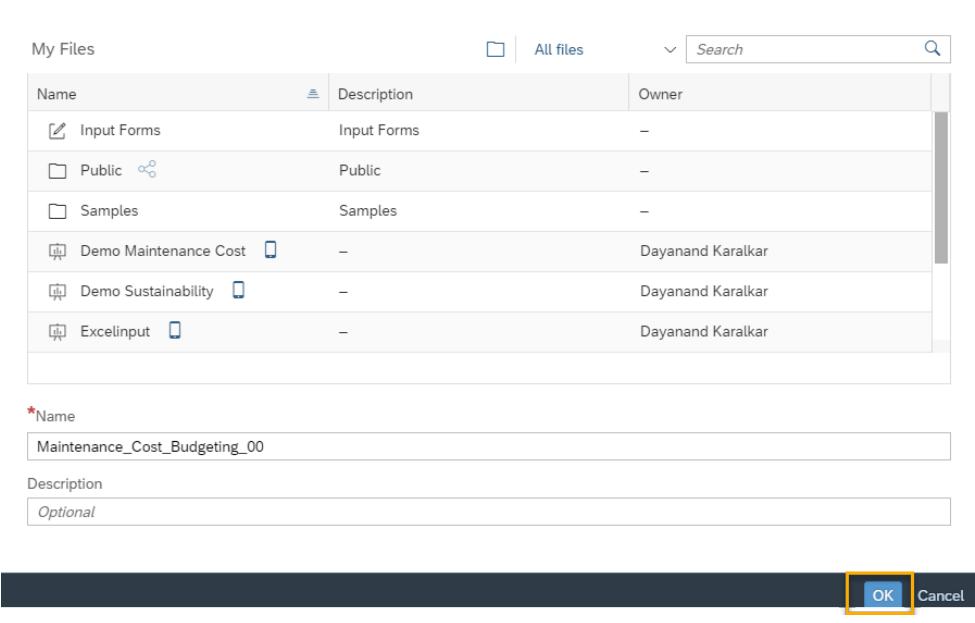
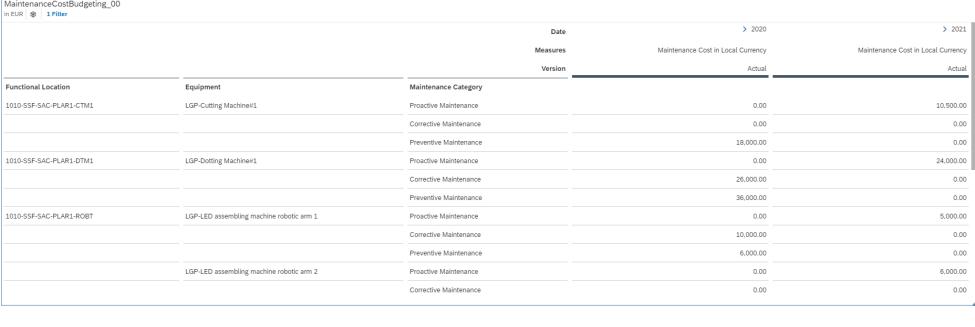
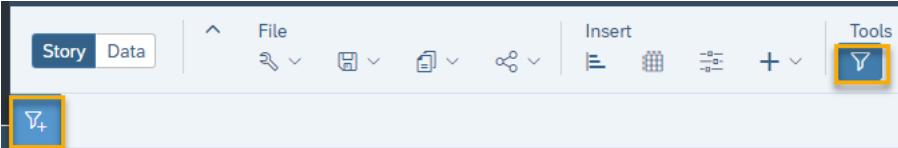
Table Row Configuration

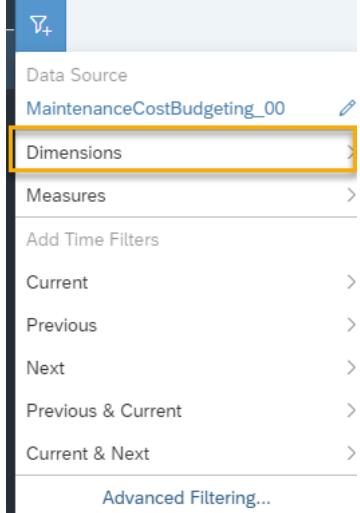
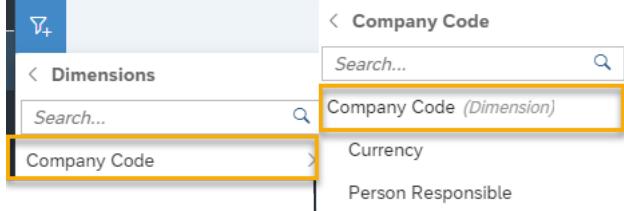
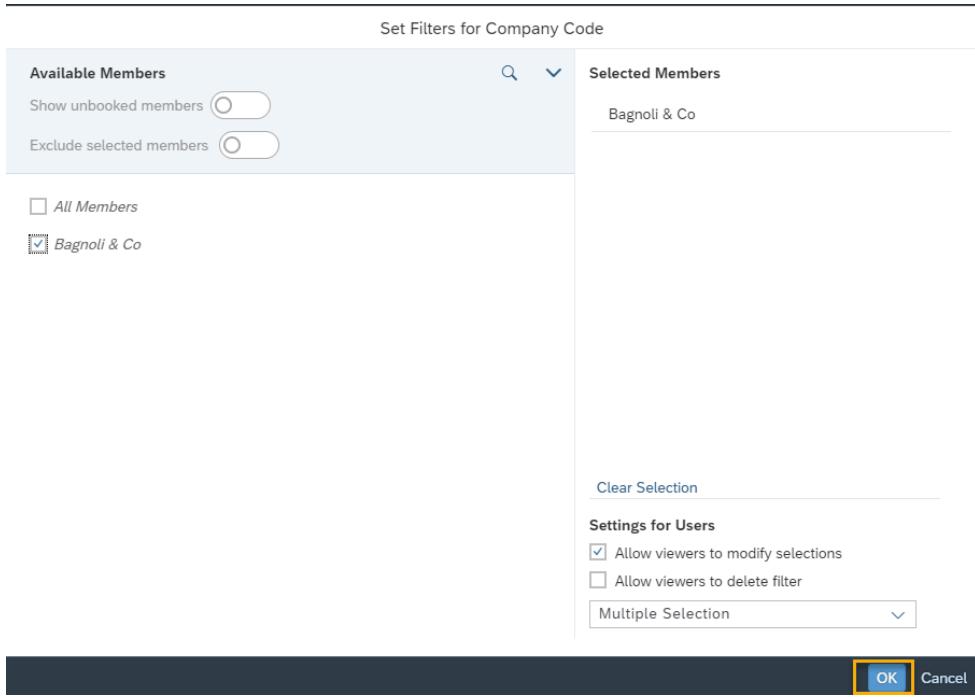


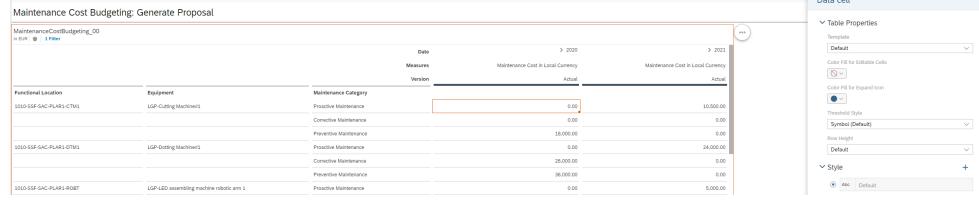
Explanation	Screenshot
<p>In the Column Section Version and Measure is available already. Add Date dimension in the column section by clicking + Add Measures/Dimensions in the column section</p>	 <p>The screenshot shows the 'Columns' configuration interface. At the top, there are two columns: 'Measures' (with a dropdown for '1 Model Measures') and 'Version'. Below this, under 'Add Measures/Dimensions', the 'Date' dimension is selected, indicated by a checked checkbox.</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. 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 are 'Set' and 'Cancel' buttons, with 'Set' being highlighted by a yellow box.</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 like 'Hierarchy...', 'Display Options', 'Properties', and 'Unbooked Data'. The 'Unbooked Data' option has a checked checkbox, which is highlighted with a yellow box.</p>

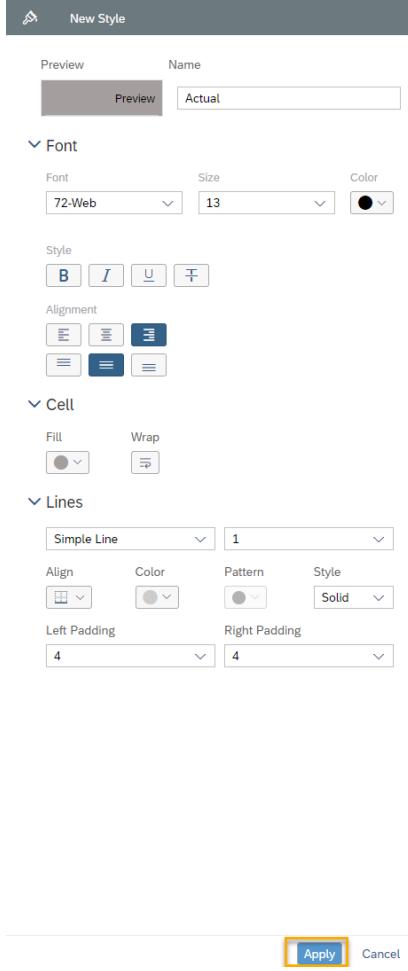
Explanation	Screenshot
<p>In the Filters section click on Version Dimension. Remove all the versions in the selected member. Select Show unbooked members and select versions Actual, Cyclic Maintenance and Proactive Maintenance and click OK</p>	 <p>The screenshot shows the 'Set Filters for Version' dialog. On the left, under 'Available Members', there are two toggle switches: 'Show unbooked members' (which is off) and 'Exclude selected members' (which is off). Below these are two checkboxes: 'All Members' (unchecked) and 'Actual' (checked). On the right, under 'Selected Members', 'Actual' is listed. At the bottom right are 'OK' and 'Cancel' buttons.</p>
	 <p>The screenshot shows the 'Set Filters for Version' dialog again. The 'Show unbooked members' toggle switch is now on. In the 'Selected Members' list, 'Actual', 'Cyclic Maintenance', and 'Proactive Maintenance' are listed. At the bottom right are 'OK' and 'Cancel' buttons.</p>

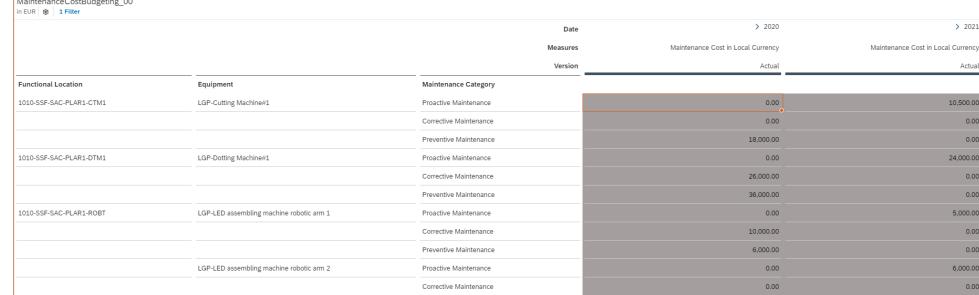
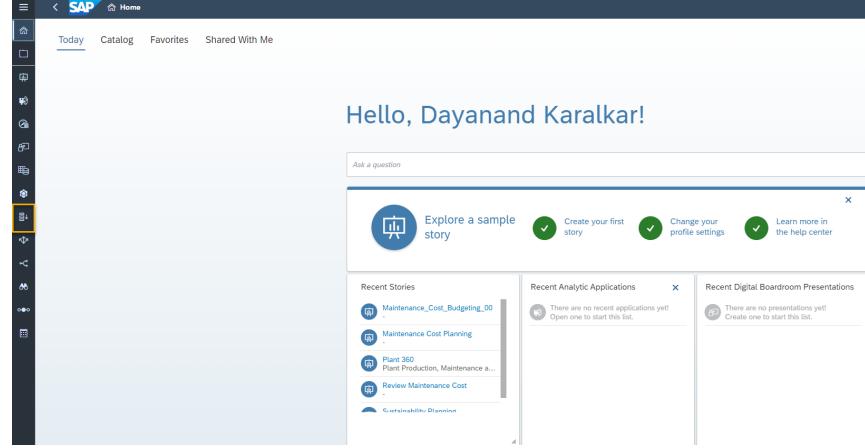
Explanation	Screenshot
<p>In the Filters section click on + Add Filters and select Date (Member). Select 2020,2021 and 2022 and click OK</p>	 <p>The screenshot shows the SAP Fiori Filter dialog. In the 'Filters' section, there are two entries: 'Measures (1)' with 'Maintenance Cost in Local Currency' and 'Version (3)' with 'Actual, Proactive Maintenance, Cyclic Maintenance'. Below this, a dropdown menu is open under 'Cost Center', showing 'Date (Member)' and 'Date (Range)'. The 'Date (Member)' option is highlighted with a yellow box. At the bottom of the dialog, there is a 'Set Filters for Date' section with 'Available Members' (checkboxes for 2020, 2021, 2022) and 'Selected Members' (checkboxes for 2020, 2021, 2022). On the right, there are 'Invisible Members', 'Clear Selection', and 'Settings for Users' (checkboxes for Allow viewers to modify selections, Allow viewers to delete filter, Hide in Controls Panel, and Multiple Selection). At the bottom right are 'OK' and 'Cancel' buttons.</p>
<p>Click on  to Save the story.</p>	 <p>The screenshot shows the SAP Fiori ribbon with several icons. The 'Save' icon is highlighted with a yellow box. Other visible icons include 'Insert', 'Save As...', 'Save As Template...', 'Export...', and 'Enable Optimized View Mode'.</p>

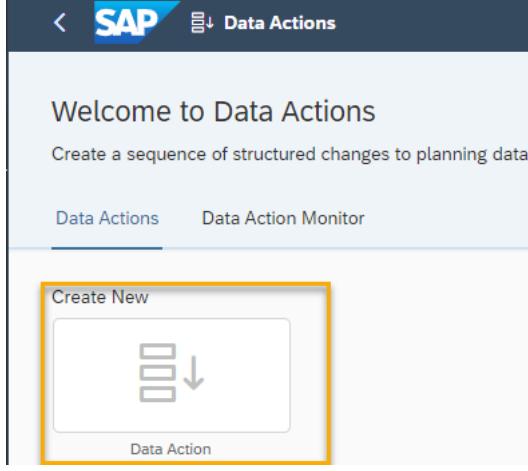
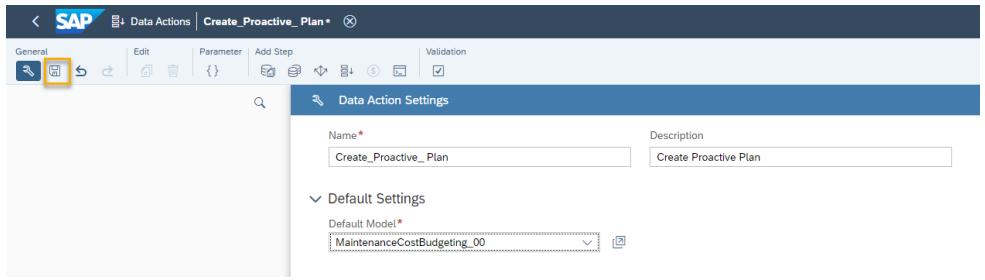
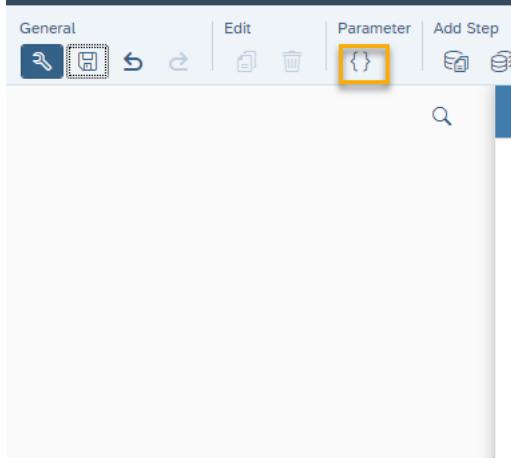
Explanation	Screenshot
<p>Provide Name Maintenance_Cost_Budgeting_XX and click on Ok</p>	
<p>Expand the table to view the data.</p>	
<p>Maintenance planners will plan for their own company codes, Plants, and functional locations. Include story filter to select these dimensions</p> <p>Click  in the tools section, The add story filter function is added to the story</p>	

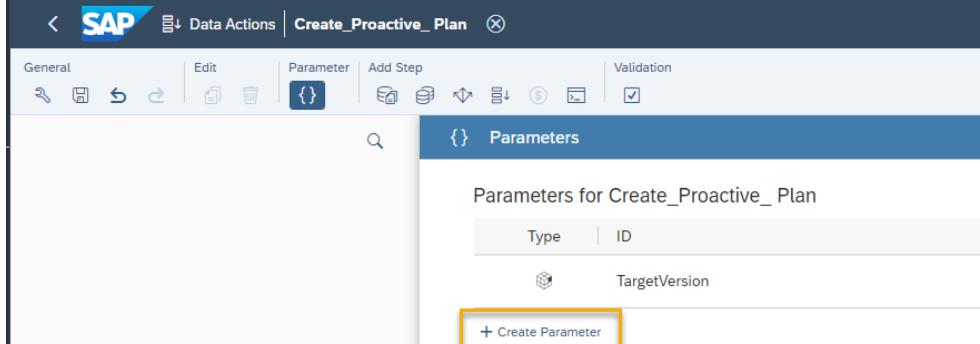
Explanation	Screenshot
Click on Add Story Filter and select Dimension	 <p>The screenshot shows the 'Data Source' configuration for 'MaintenanceCostBudgeting_00'. Under 'Dimensions', the 'Dimensions' option is highlighted with a yellow box. Other options like 'Measures' and 'Add Time Filters' are also visible.</p>
Click on Company Code and select Company Code (Dimension)	 <p>The screenshot shows the 'Company Code' dimension selection dialog. The 'Company Code (Dimension)' option is highlighted with a yellow box. Other options like 'Currency' and 'Person Responsible' are also listed.</p>
Select the master data members and click OK	 <p>The screenshot shows the 'Set Filters for Company Code' dialog. In the 'Available Members' section, 'Bagnoli & Co' is selected with a checkmark. In the 'Selected Members' section, 'Bagnoli & Co' is listed. The 'OK' button is highlighted with a yellow box at the bottom right.</p>
Repeat the above steps to include story filters for	 <p>The screenshot shows the story filter configuration screen with four dimensions selected: 'Company Code (1)', 'Plant (1)', 'Cost Center (1)', and 'Functional Location (3)'. Each dimension is preceded by a small icon.</p>

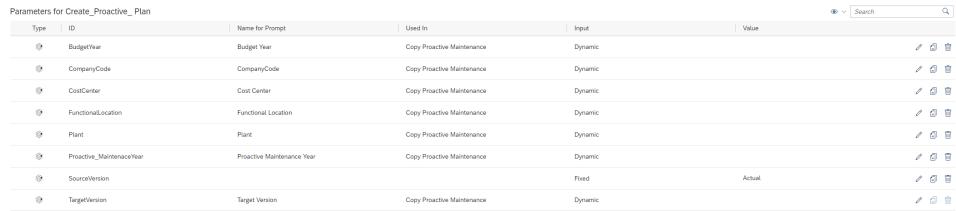
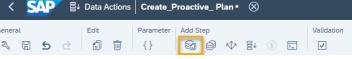
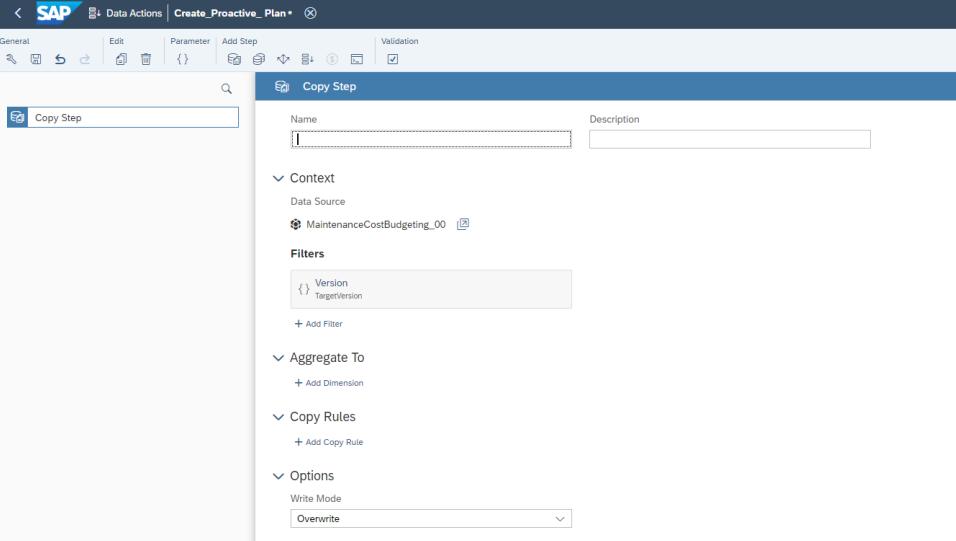
Explanation	Screenshot																																																				
Plant, Cost Center and Functional Location																																																					
Styling Rules																																																					
The actual data should not be editable in the table interface. 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 MaintenanceCostBudgeting_00 = 001 = 1 Plan</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>> 2020</th> <th>Maintenance Cost in Local Currency</th> <th>Maintenance Cost in Local Currency</th> </tr> <tr> <th>Version</th> <th>Actual</th> <th>> 2020</th> <th>Actual</th> </tr> </thead> <tbody> <tr> <td>000-SSP-GAC-PL4R1-CTM1</td> <td>LGP-Cutting Machines</td> <td>Proactive Maintenance</td> <td></td> <td>0.00</td> <td></td> <td>10,000.00</td> <td></td> </tr> <tr> <td>000-SSP-GAC-PL4R1-OTM1</td> <td>LGP-Dicting Machines</td> <td>Corrective Maintenance</td> <td></td> <td>0.00</td> <td></td> <td>18,000.00</td> <td></td> </tr> <tr> <td>000-SSP-GAC-PL4R1-OTM1</td> <td>LGP-Dicting Machines</td> <td>Proactive Maintenance</td> <td></td> <td>0.00</td> <td></td> <td>24,000.00</td> <td></td> </tr> <tr> <td>000-SSP-GAC-PL4R1-R0BT</td> <td>LGP-LCD assembling machine robotic arm 1</td> <td>Corrective Maintenance</td> <td></td> <td>0.00</td> <td></td> <td>28,000.00</td> <td></td> </tr> <tr> <td>000-SSP-GAC-PL4R1-R0BT</td> <td>LGP-LCD assembling machine robotic arm 1</td> <td>Proactive Maintenance</td> <td></td> <td>0.00</td> <td></td> <td>36,000.00</td> <td></td> </tr> </tbody> </table>	Functional Location	Equipment	Maintenance Category	Date	Measures	> 2020	Maintenance Cost in Local Currency	Maintenance Cost in Local Currency	Version	Actual	> 2020	Actual	000-SSP-GAC-PL4R1-CTM1	LGP-Cutting Machines	Proactive Maintenance		0.00		10,000.00		000-SSP-GAC-PL4R1-OTM1	LGP-Dicting Machines	Corrective Maintenance		0.00		18,000.00		000-SSP-GAC-PL4R1-OTM1	LGP-Dicting Machines	Proactive Maintenance		0.00		24,000.00		000-SSP-GAC-PL4R1-R0BT	LGP-LCD assembling machine robotic arm 1	Corrective Maintenance		0.00		28,000.00		000-SSP-GAC-PL4R1-R0BT	LGP-LCD assembling machine robotic arm 1	Proactive Maintenance		0.00		36,000.00	
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Click on  in the Style option to add a new style	<p> Style </p> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;"> <input checked="" type="radio"/> Abc <input type="radio"/> Default </div>																																																				

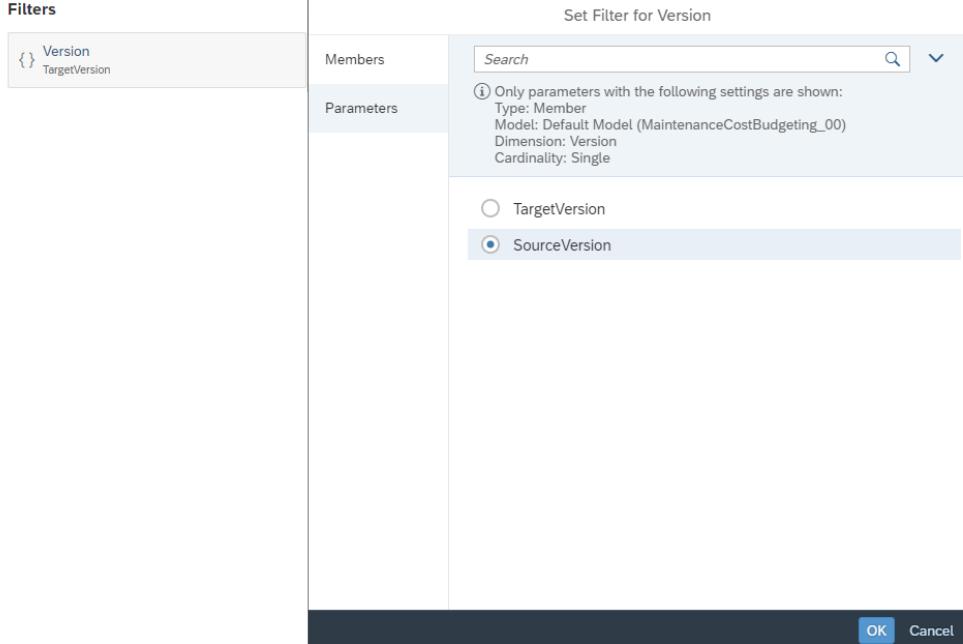
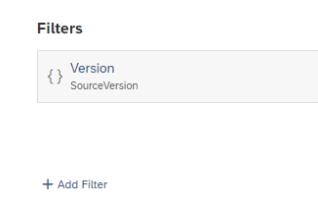
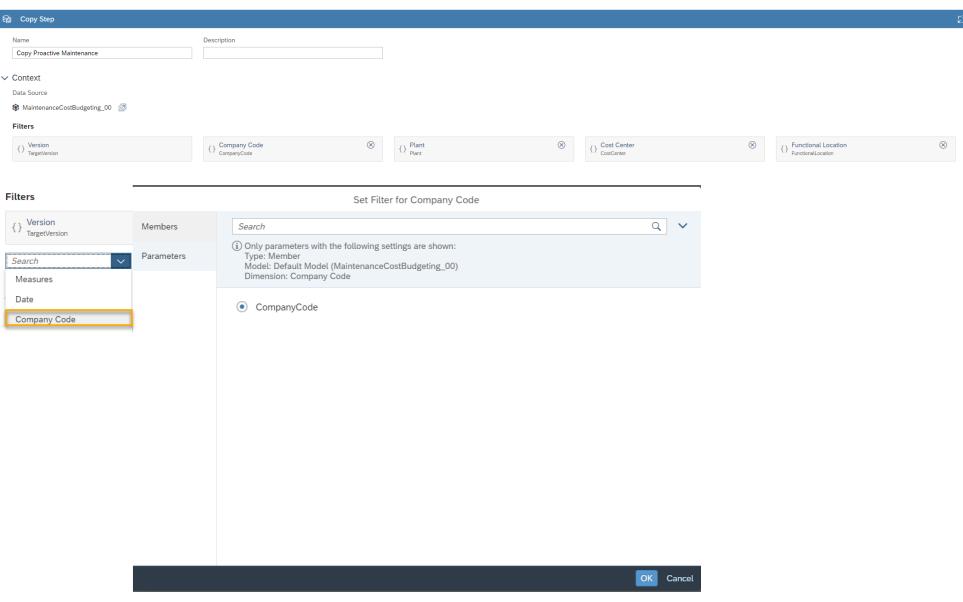
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<p>Name the Style as Actual. In the Cell select Cell Fill as Grey and click Apply</p>																																				
<p>Click on + in the Styling Rules section to add a new Styling Rule</p>	<p>✓ Styling Rules </p> <p><small> ⓘ Styling Rule which 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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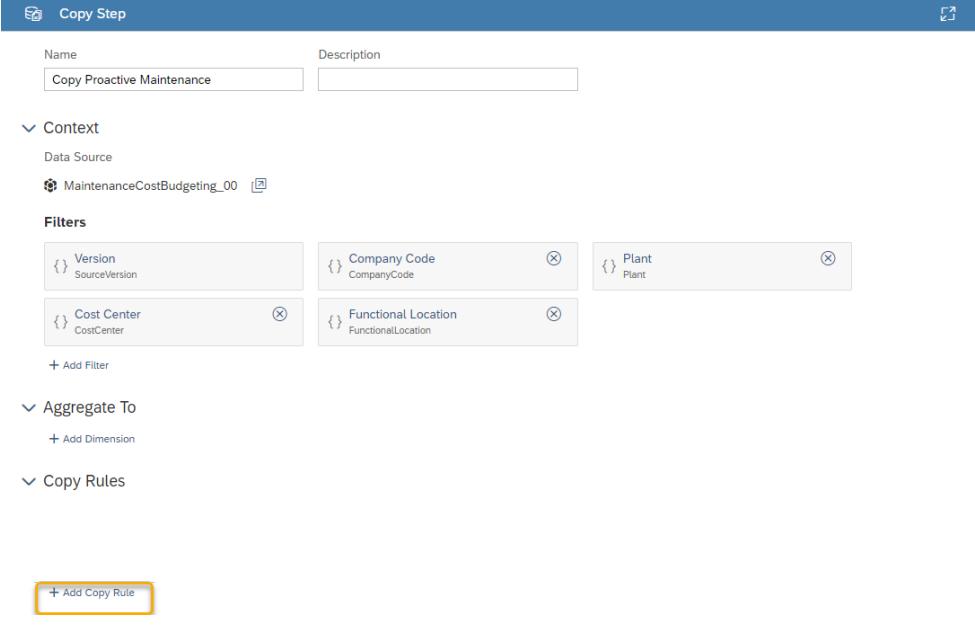
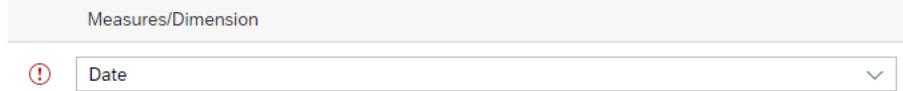
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<p>Select Style -> Actual & Read Only setting as Read-Only. Click Ok</p>	<p>Style</p> <p>Preview Actual</p> <p>Cell Properties</p> <p>Read-only Settings</p> <p>Read-only</p>																																																																						
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<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	
 Click on {} to define the user selection for the data action	

Explanation	Screenshot																																										
In the parameter screen click on Create Parameter																																											
Provide Following values ID : CompanyCode Measure Dimension: Company Code Cardinality: Single Input: Dynamic Name for Prompt: Company Code Click Done	<p>ID: CompanyCode, Parameter Type: Member/Measure</p> <p>Properties</p> <ul style="list-style-type: none"> Model: Default Model, Default Model: MaintenanceCostBudgeting_00 Measures/Dimension: Company Code, Cardinality: Single <p>Input</p> <ul style="list-style-type: none"> Input: Dynamic, Default Member: (empty) Name for Prompt: CompanyCode, Details for Prompt: (empty) <p>Used In</p> <p>The parameter is currently not used.</p>																																										
Repeat the same steps to Create the following parameters <ul style="list-style-type: none"> • Plant • CostCenter • Functional Location • Proactive_Maintenace Year • BudgetYear • Version 	<table border="1"> <thead> <tr> <th>ID</th><th>Measure/ Dimension</th><th>Cardinality</th><th>Input</th><th>Hierarc hy</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 applica ble</td><td>Not applica ble</td><td>Plant</td></tr> <tr> <td>SourceVe rsion</td><td>Version</td><td>Single</td><td>Fixed Member: Actual</td><td>Not applica ble</td><td>Not applica ble</td><td>Source Version</td></tr> <tr> <td>CostCent er</td><td>Cost Center</td><td>Single</td><td>Dynamic</td><td>Not applica ble</td><td>Not applica ble</td><td>Cost Center</td></tr> <tr> <td>Functiona l Location</td><td>Functional Location</td><td>Any</td><td>Dynamic</td><td>Not applica ble</td><td>Not applica ble</td><td>Functional Location</td></tr> <tr> <td>Proactive _Mainten aceYear</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	Hierarc hy	Level	Name for Prompt	Plant	Plant	Single	Dynamic	Not applica ble	Not applica ble	Plant	SourceVe rsion	Version	Single	Fixed Member: Actual	Not applica ble	Not applica ble	Source Version	CostCent er	Cost Center	Single	Dynamic	Not applica ble	Not applica ble	Cost Center	Functiona l Location	Functional Location	Any	Dynamic	Not applica ble	Not applica ble	Functional Location	Proactive _Mainten aceYear	Date	Single	Dynamic	Year, Quarter ,Month	Any	Proactive Maintenance Year
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After defining the parameters, the list of parameters will look like this	 <p>Parameters for Create_Proactive_Plan</p> <table border="1"> <thead> <tr> <th>Type</th> <th>ID</th> <th>Name for Prompt</th> <th>Used In</th> <th>Input</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>...</td> <td>BudgetYear</td> <td>Budget Year</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td>...</td> <td>CompanyCode</td> <td>CompanyCode</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td>...</td> <td>CostCenter</td> <td>Cost Center</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td>...</td> <td>FunctionalLocation</td> <td>Functional Location</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td>...</td> <td>Plant</td> <td>Plant</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td>...</td> <td>Proactive_MaintenanceYear</td> <td>Proactive Maintenance Year</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td>...</td> <td>SourceVersion</td> <td></td> <td></td> <td>Fixed</td> <td>Actual</td> </tr> <tr> <td>...</td> <td>TargetVersion</td> <td>Target Version</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> </tbody> </table>	Type	ID	Name for Prompt	Used In	Input	Value	...	BudgetYear	Budget Year	Copy Proactive Maintenance	Dynamic		...	CompanyCode	CompanyCode	Copy Proactive Maintenance	Dynamic		...	CostCenter	Cost Center	Copy Proactive Maintenance	Dynamic		...	FunctionalLocation	Functional Location	Copy Proactive Maintenance	Dynamic		...	Plant	Plant	Copy Proactive Maintenance	Dynamic		...	Proactive_MaintenanceYear	Proactive Maintenance Year	Copy Proactive Maintenance	Dynamic		...	SourceVersion			Fixed	Actual	...	TargetVersion	Target Version	Copy Proactive Maintenance	Dynamic	
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The Copy step configuration screen opens	 <p>< SAP Data Actions Create_Proactive_Plan *</p> <p>General Edit Parameter Add Step Validation</p> <p>Copy Step</p> <p>Name: Copy Step</p> <p>Description:</p> <p>Context</p> <p>Data Source: MaintenanceCostBudgeting_00</p> <p>Filters</p> <p>Version: TargetVersion</p> <p>Aggregate To</p> <p>Copy Rules</p> <p>Options</p> <p>Write Mode: Overwrite</p>																																																						
Provide name: Copy Proactive Maintenance	 <p>Copy Step</p> <p>Name: Copy Proactive Maintenance</p> <p>Description:</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': 'Version' (TargetVersion) and 'SourceVersion'. The 'SourceVersion' option is selected. On the right, there's a summary section with details: Type: Member, Model: Default Model (MaintenanceCostBudgeting_00), Dimension: Version, Cardinality: Single. At the bottom, there are 'OK' and 'Cancel' buttons.</p>
<p>Click + Add Filter</p>	 <p>The screenshot shows the 'Filters' section with one filter entry: 'Version SourceVersion'. Below this, there is a '+ Add Filter' button.</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 'Copy Step' dialog box for 'Copy Proactive Maintenance'. It has a 'Name' field set to 'Copy Proactive Maintenance' and a 'Description' field. Under 'Context', it shows 'MaintenanceCostBudgeting_00'. In the 'Filters' section, there are five items: 'Version TargetVersion', 'Company Code CompanyCode', 'Plant Plant', 'Cost Center CostCenter', and 'Functional Location FunctionalLocation'. The 'CompanyCode' filter is expanded, showing a list of parameters with 'CompanyCode' selected. At the bottom, there are 'OK' and 'Cancel' buttons.</p>

Explanation	Screenshot
	 <p>The screenshot shows the 'Copy Step' dialog box. It has fields for 'Name' (Copy Proactive Maintenance) and 'Description'. Under 'Context', there is a 'Data Source' section with 'MaintenanceCostBudgeting_00' selected. Below it are 'Filters' for 'Version', 'Company Code', 'Plant', 'Cost Center', and 'Functional Location'.</p>
<p>Click on + Add Copy Rule</p>	 <p>The screenshot shows the 'Copy Step' dialog box with the 'Copy Rules' section expanded. It includes a 'Measures/Dimension' field containing 'Date' and a warning icon. Other sections like 'Aggregate To' and 'Copy Rules' are also visible.</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>The screenshot shows the 'Copy Rules' dialog box with the 'Measures/Dimension' field set to 'Date'. A warning icon is present next to the field.</p>

Explanation

Screenshot

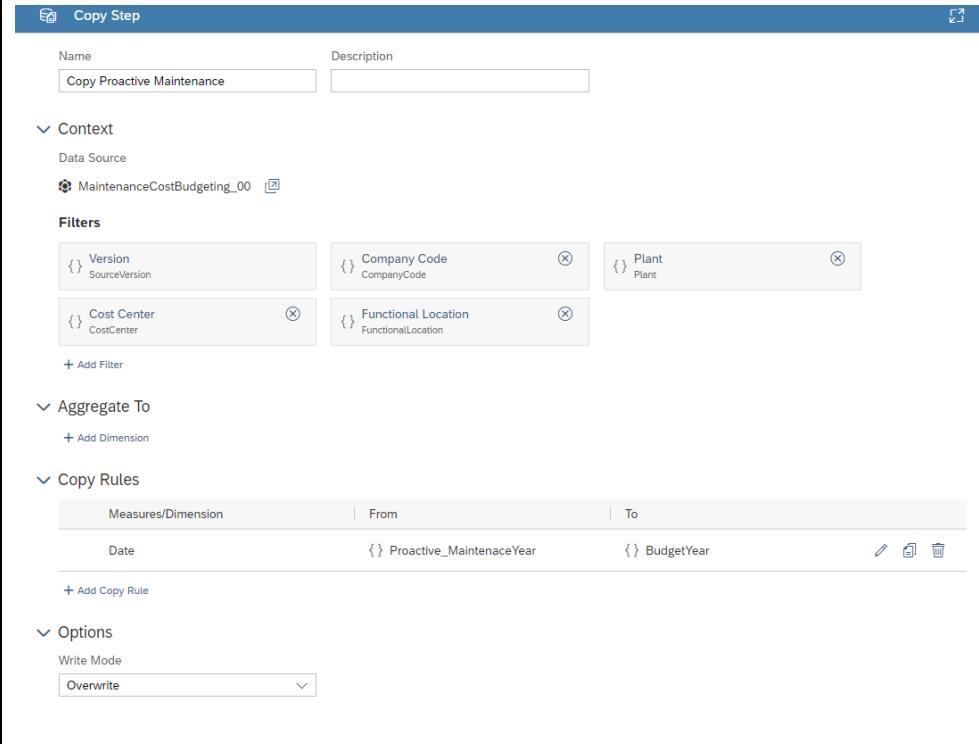
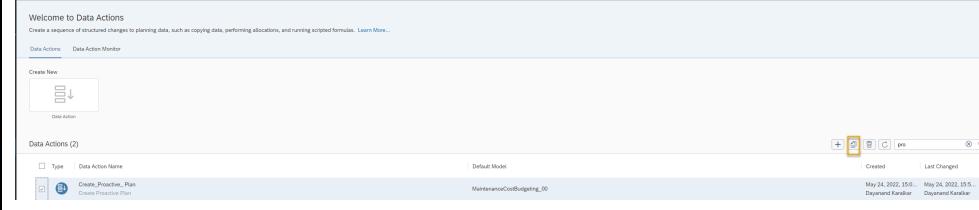
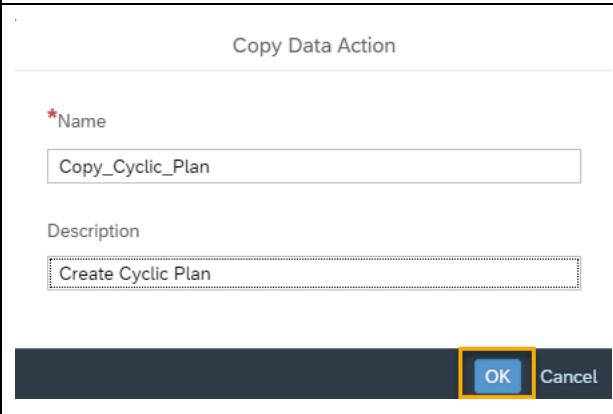
The screenshot displays two dialog boxes side-by-side, both titled "Select Source Member" and "Select Target Members".

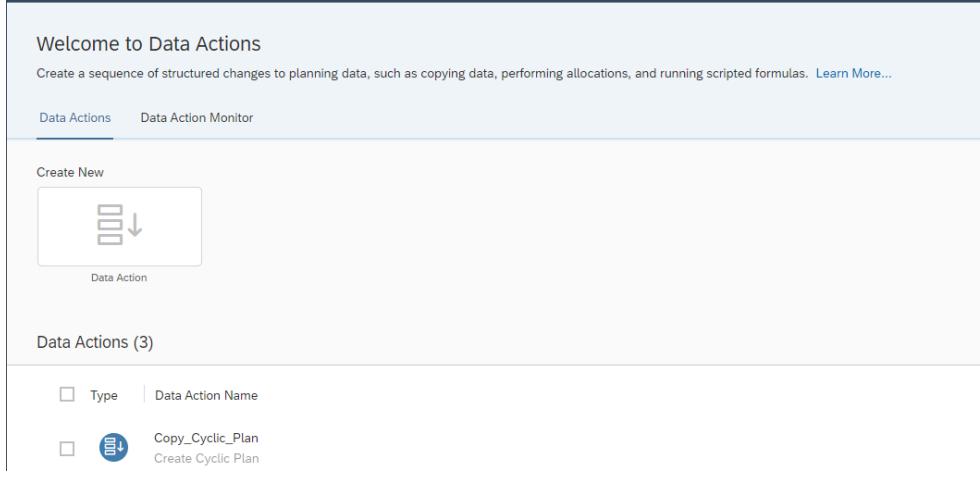
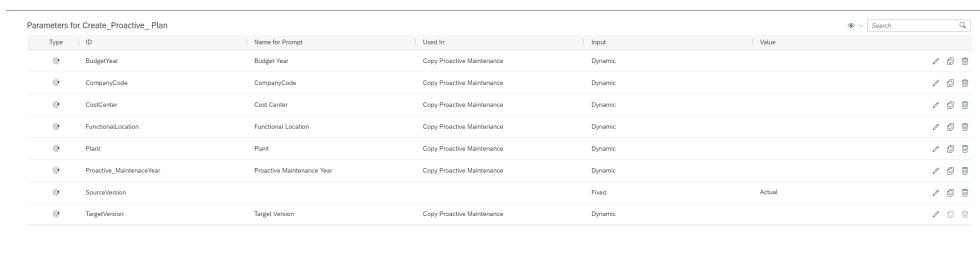
Select Source Member Dialog:

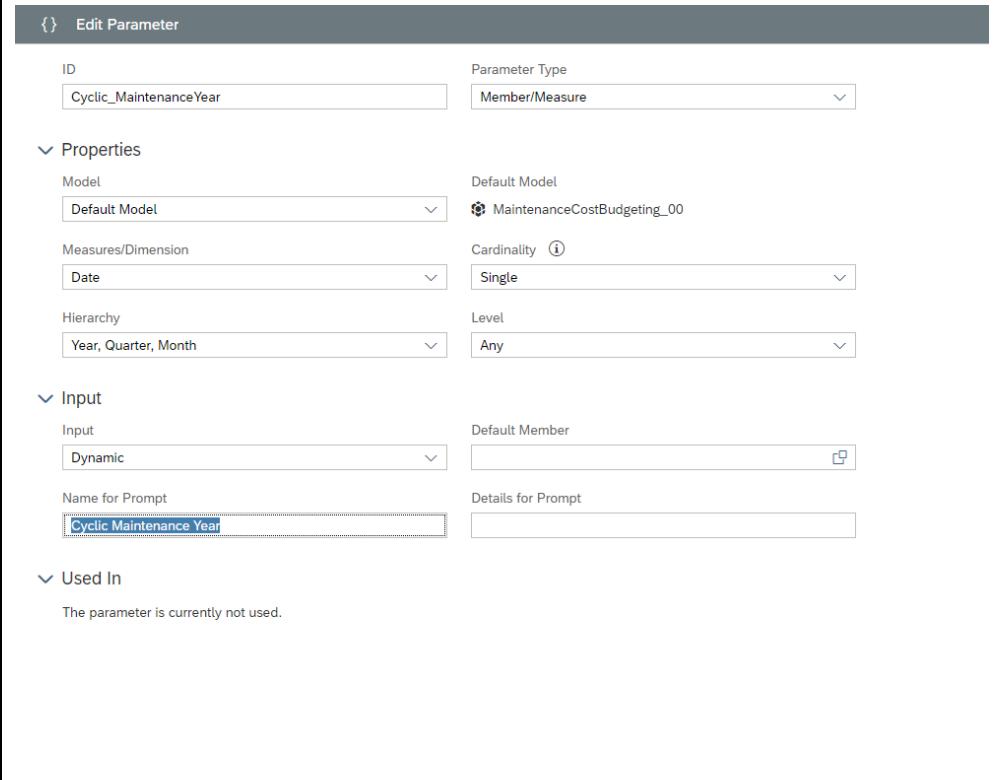
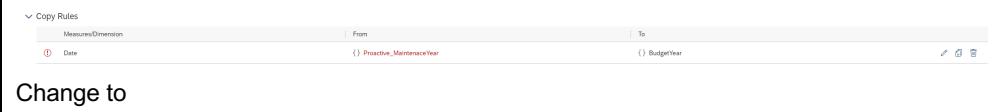
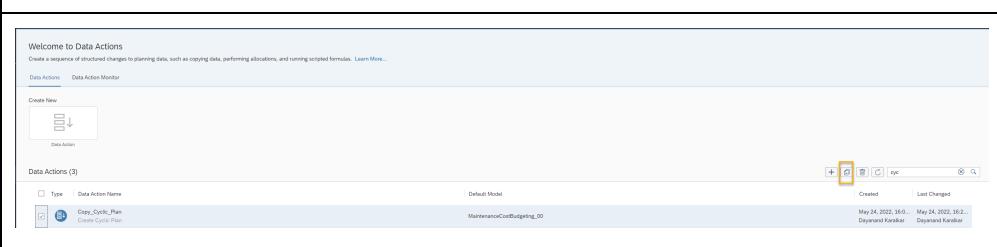
- Left sidebar: "Members" tab is selected.
- Right pane:
 - Search bar: "Search" with a magnifying glass icon and a dropdown arrow.
 - Information message:
 - Only parameters with the following settings are shown:
 - Type: Member
 - Model: Default Model (MaintenanceCostBudgeting_00)
 - Dimension: Date
 - Cardinality: Single
 - Radio button group:
 - Proactive_MaintenaceYear
 - BudgetYear
 - Buttons at the bottom: "OK" (highlighted with a yellow box) and "Cancel".

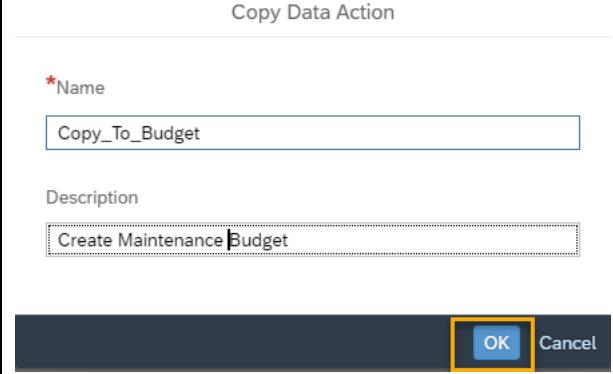
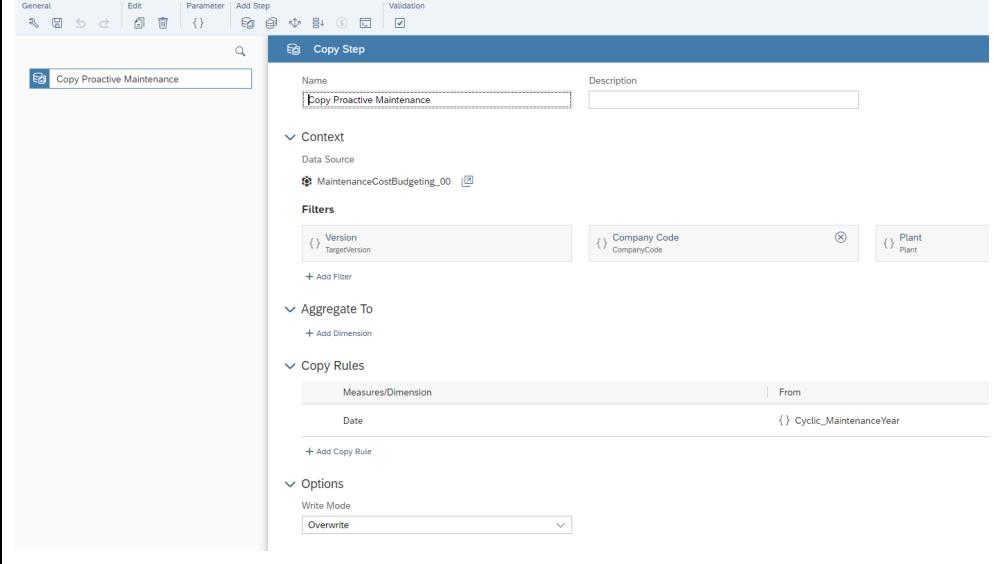
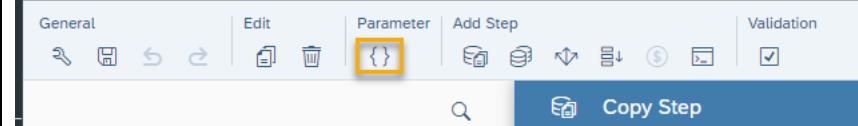
Select Target Members Dialog:

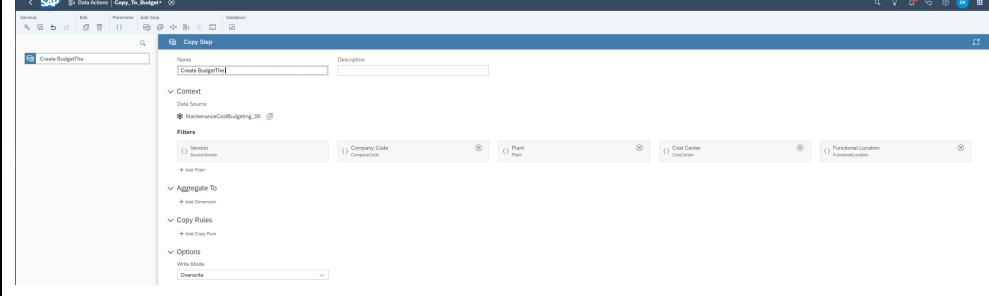
 - Left sidebar: "Parameters" tab is selected.
 - Right pane:
 - Search bar: "Search" with a magnifying glass icon and a dropdown arrow.
 - Information message:
 - Only parameters with the following settings are shown:
 - Type: Member
 - Model: Default Model (MaintenanceCostBudgeting_00)
 - Dimension: Date
 - Radio button group:
 - Proactive_MaintenaceYear
 - BudgetYear
 - Buttons at the bottom: "OK" (highlighted with a yellow box) and "Cancel".

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>	

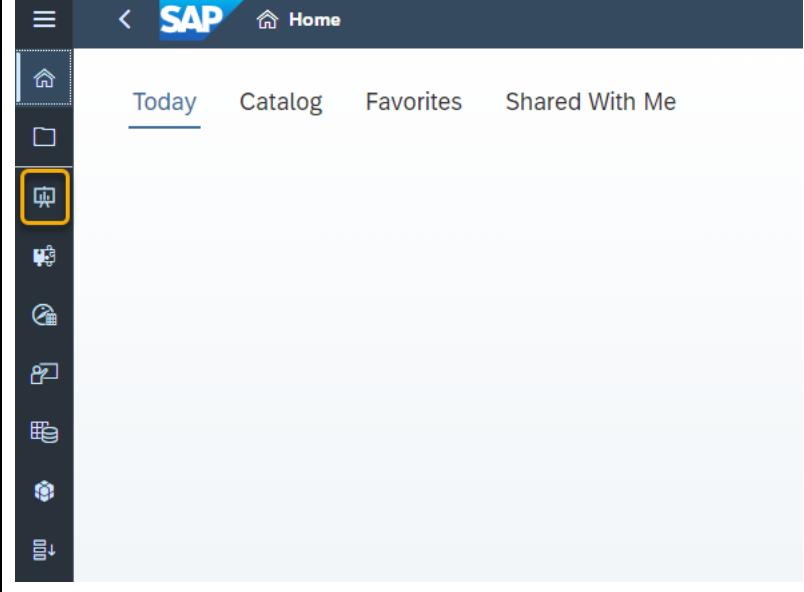
Explanation	Screenshot																																																						
<p>The Data action will be created. Click on the data action to edit it.</p>	 <p>Welcome to Data Actions</p> <p>Create a sequence of structured changes to planning data, such as copying data, performing allocations, and running 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																																																		
Type	Data Action Name																																																						
	Copy_Cyclic_Plan Create Cyclic Plan																																																						
<p>Click on the Parameters. The Parameter List is displayed</p>	 <p>Parameters for Create_Proactive_Plan</p> <table border="1"> <thead> <tr> <th>Type</th> <th>ID</th> <th>Name for Prompt</th> <th>Used In</th> <th>Input</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td></td> <td>BudgetYear</td> <td>Budget Year</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td></td> <td>CompanyCode</td> <td>CompanyCode</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td></td> <td>CostCenter</td> <td>Cost Center</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td></td> <td>FunctionalLocation</td> <td>Functional Location</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td></td> <td>Plant</td> <td>Plant</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td></td> <td>Proactive_MaintenanceYear</td> <td>Proactive Maintenance Year</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> <tr> <td></td> <td>SourceVersion</td> <td></td> <td></td> <td>Fixed</td> <td>Actual</td> </tr> <tr> <td></td> <td>TargetVersion</td> <td>Target Version</td> <td>Copy Proactive Maintenance</td> <td>Dynamic</td> <td></td> </tr> </tbody> </table>	Type	ID	Name for Prompt	Used In	Input	Value		BudgetYear	Budget Year	Copy Proactive Maintenance	Dynamic			CompanyCode	CompanyCode	Copy Proactive Maintenance	Dynamic			CostCenter	Cost Center	Copy Proactive Maintenance	Dynamic			FunctionalLocation	Functional Location	Copy Proactive Maintenance	Dynamic			Plant	Plant	Copy Proactive Maintenance	Dynamic			Proactive_MaintenanceYear	Proactive Maintenance Year	Copy Proactive Maintenance	Dynamic			SourceVersion			Fixed	Actual		TargetVersion	Target Version	Copy Proactive Maintenance	Dynamic	
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	SourceVersion			Fixed	Actual																																																		
	TargetVersion	Target Version	Copy Proactive Maintenance	Dynamic																																																			
<p>Click next to the Proactive Maintenance Year Parameter.</p>	 <p> Proactive_MaintenanceYear Proactive Maintenance Year Copy Proactive Maintenance Dynamic</p>																																																						

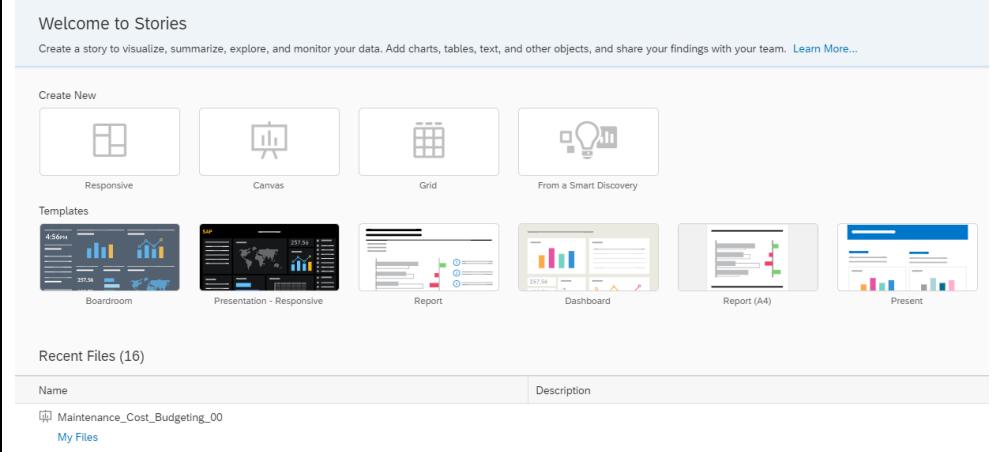
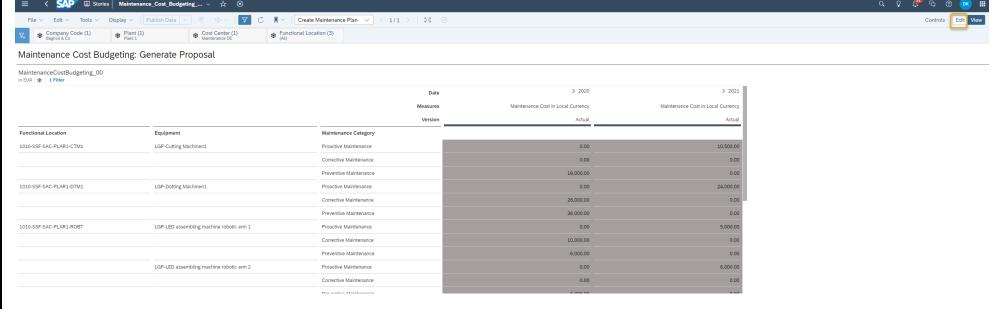
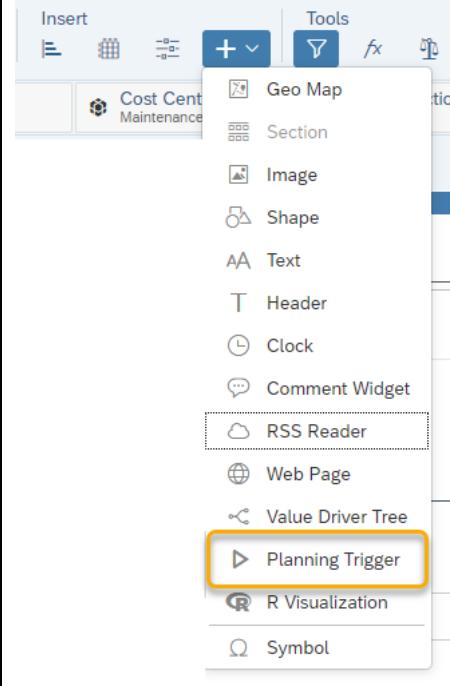
Explanation	Screenshot
<p>Change the ID to Cyclic_MaintenanceYear and Name for Prompt to Cyclic Maintenance Year and click Done</p>	 <p>The screenshot shows the 'Edit Parameter' dialog. The 'ID' field contains 'Cyclic_MaintenanceYear'. The 'Parameter Type' dropdown is set to 'Member/Measure'. Under the 'Model' section, 'Default Model' is selected. In the 'Measures/Dimension' section, 'Date' is chosen. The 'Hierarchy' dropdown shows 'Year, Quarter, Month'. The 'Name for Prompt' field is filled with 'Cyclic Maintenance Year'. Other settings like 'Default Model' (MaintenanceCostBudgeting_00), 'Cardinality' (Single), and 'Level' (Any) are also visible.</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>The screenshot shows the 'Copy Rules' interface. It lists two entries: 'From' (Proactive_MaintenanceYear) and 'To' (BudgetYear). Below this, there's a 'Change to' section with a similar 'Copy Rules' interface, showing 'From' (Date) and 'To' (BudgetYear).</p>
<p>Navigate back to the Data Action Page</p>	
<p>Select the Data action created above and click on  (Copy)</p>	 <p>The screenshot shows the 'Data Actions' page. It lists three actions: 'Create New', 'Data Action', and 'Data Actions (3)'. Under 'Data Actions (3)', there is a table with columns for 'Data Action Name' (Copy Cyclic Plan), 'Default Model' (MaintenanceCostBudgeting_00), 'Created' (May 24, 2022, 18:0...), and 'Last Changed' (May 24, 2022, 18:0...). The 'Copy Cyclic Plan' row is highlighted with a yellow background.</p>

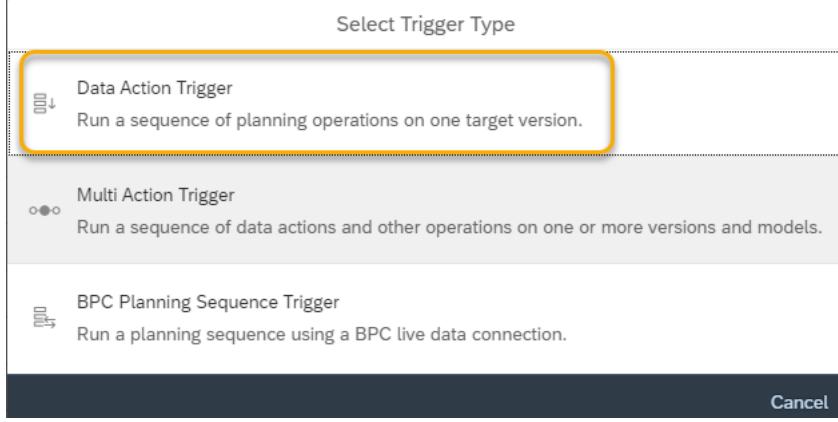
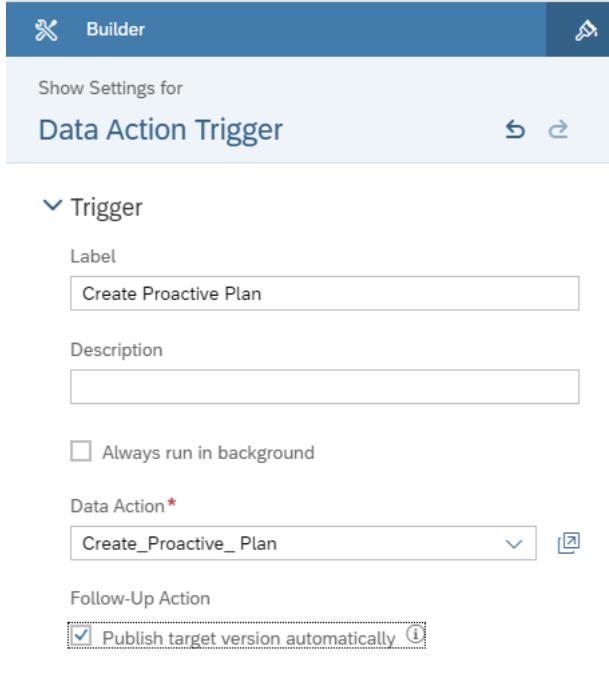
Explanation	Screenshot
<p>In the Copy Data Action Dialogue Provide Name: Copy_to_Budget_XX Description: Create Maintenance Budget and click OK</p>	
<p>Click on the data action to Edit</p>	
<p>Click on { } (Show Parameter List)</p>	
<p>Delete the Cyclic Maintenance Year Parameter by clicking on  next 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 • Delete the Copy Rule by clicking the  next to the rule 	

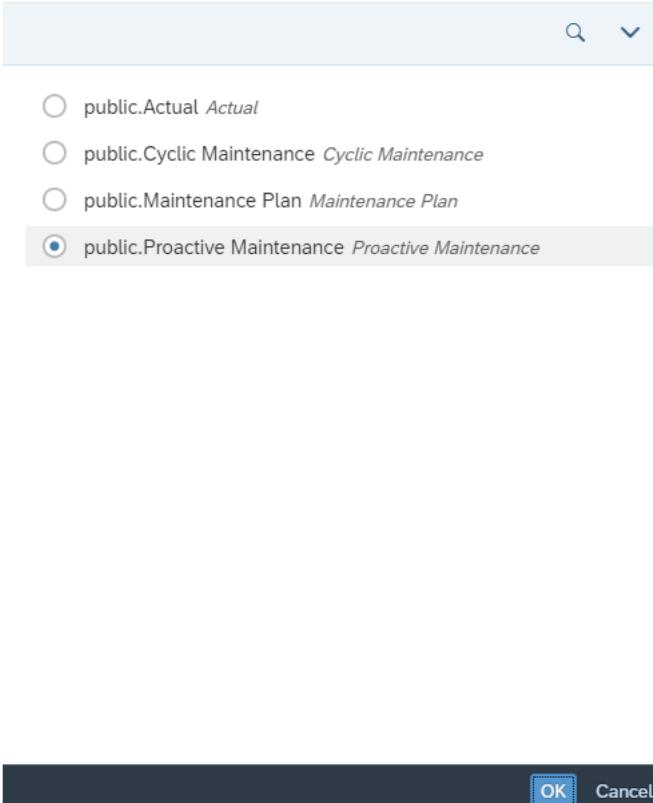
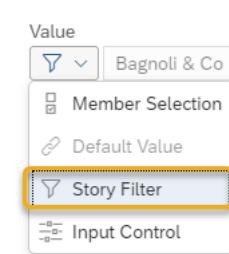
Explanation	Screenshot
Save the Data Action	

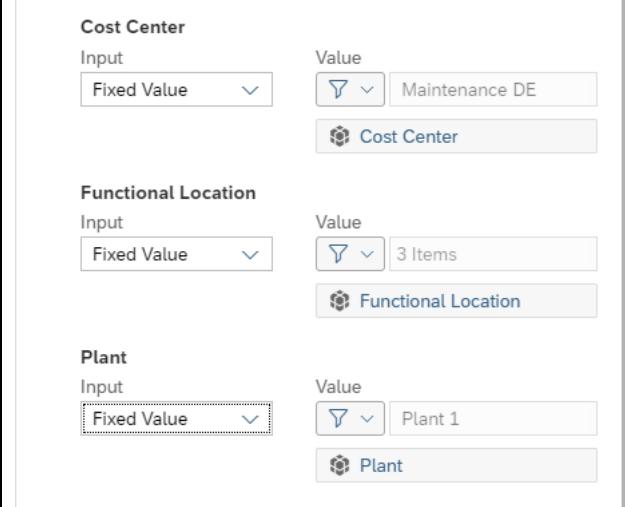
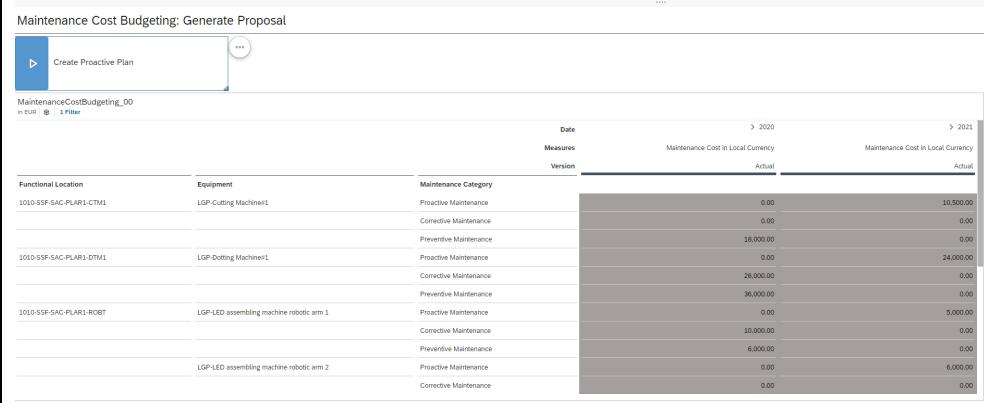
Including Data Actions in Story

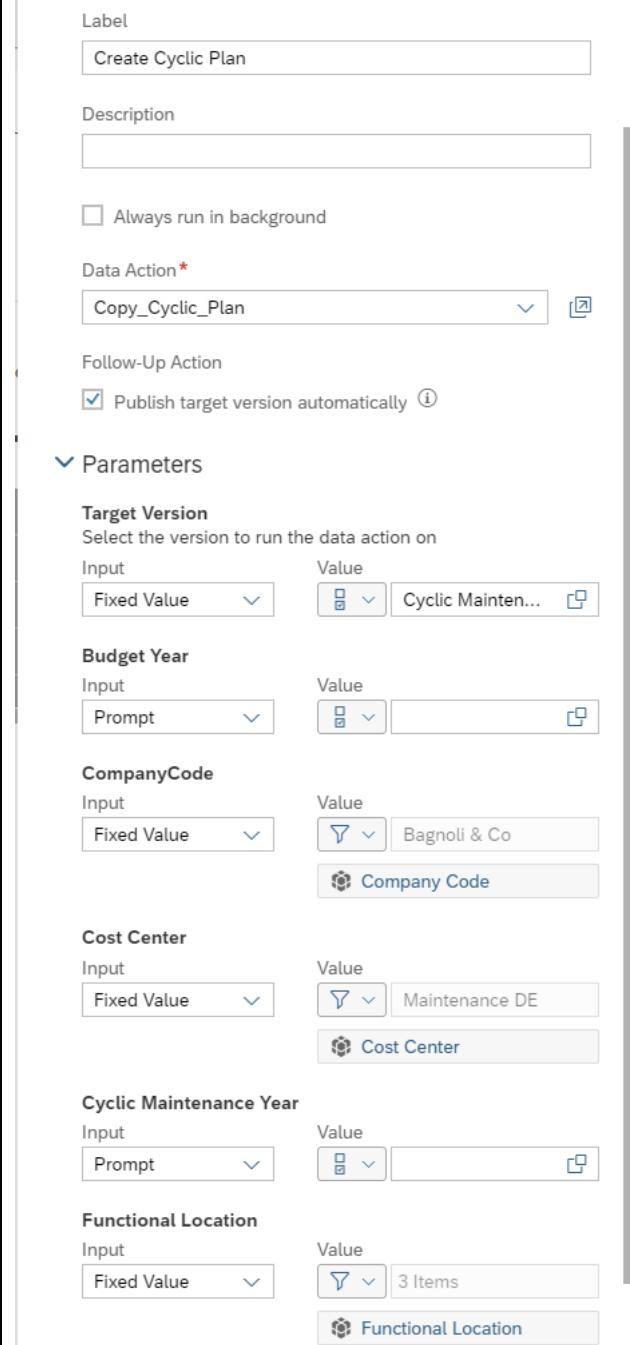
Navigate to the home page and click on 	
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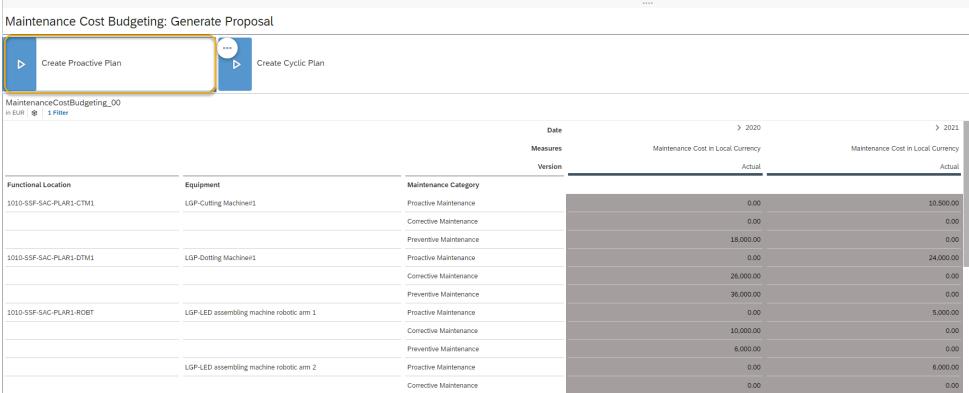
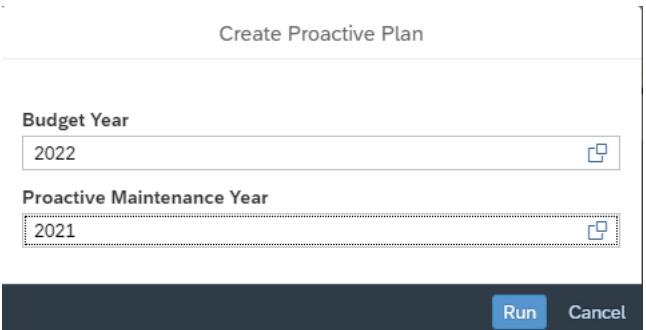
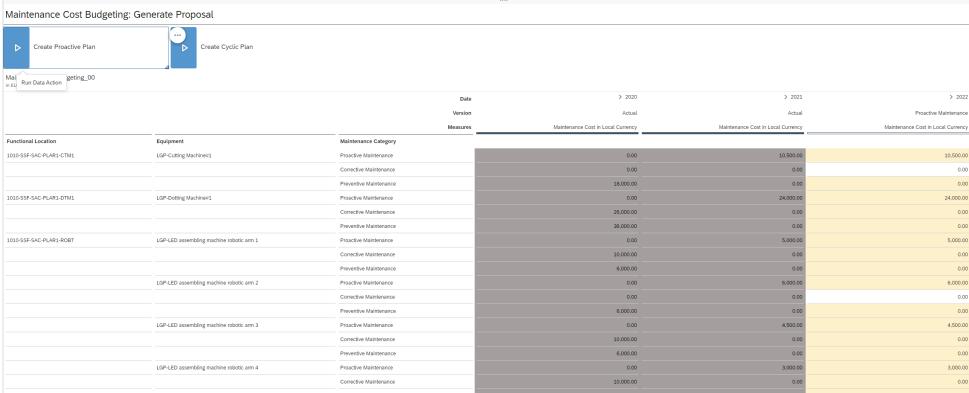
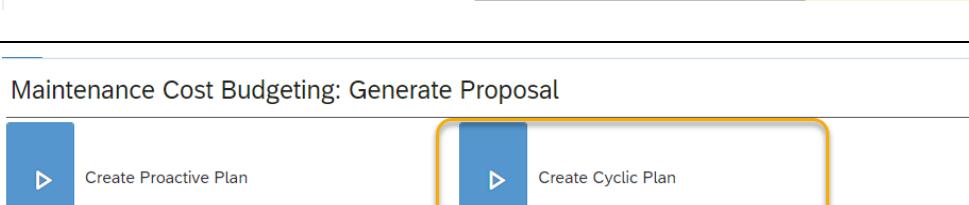
Explanation	Screenshot
<p>Click on the Maintenance_Cost_Budgeting_XX story</p>	
<p>The story open in view mode. Click on Edit</p>	
<p>In the Insert menu click on  and select Planning Trigger</p>	

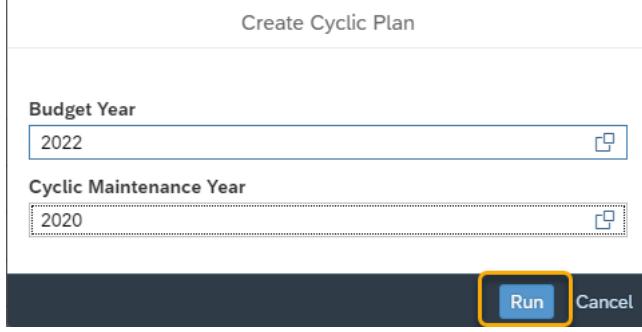
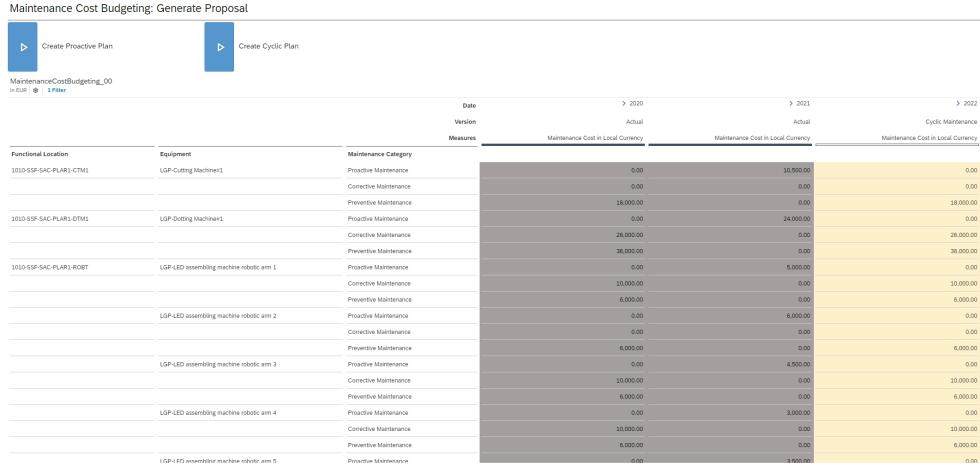
Explanation	Screenshot
<p>In the trigger type selection pop up select Data Action Trigger</p>	 <p>Select Trigger Type</p> <ul style="list-style-type: none"> Data Action Trigger Run a sequence of planning operations on one target version. Multi Action Trigger Run a sequence of data actions and other operations 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</p> <p>Data Action Trigger</p> <p>Trigger</p> <p>Label</p> <p>Create Proactive Plan</p> <p>Description</p> <p><input type="checkbox"/> Always run in background</p> <p>Data Action *</p> <p>Create_Proactive_Plan</p> <p>Follow-Up Action</p> <p><input checked="" type="checkbox"/> Publish target version automatically ①</p>

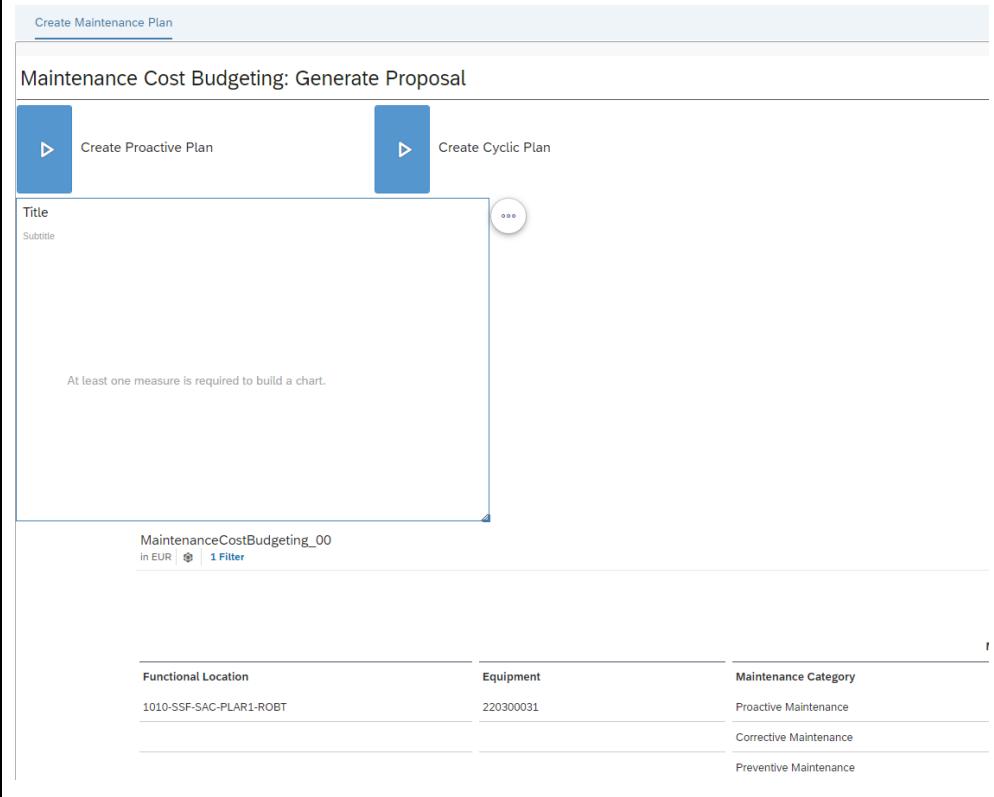
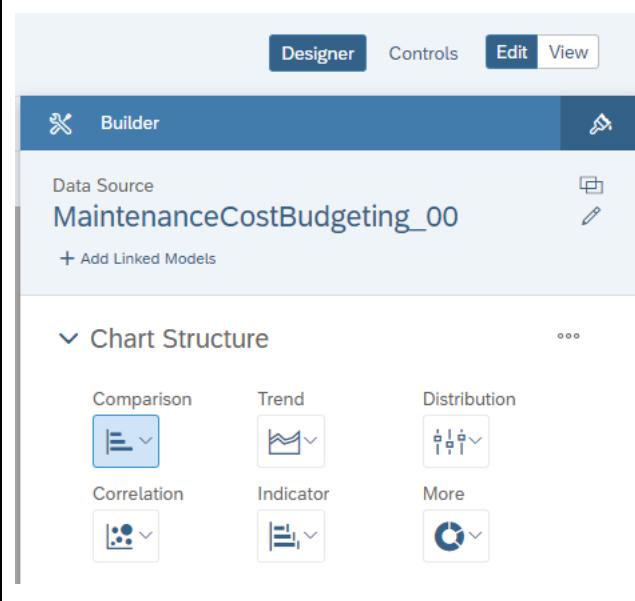
Explanation	Screenshot
<p>All the parameters defined in the Data action will be available.</p> <p>For the Target Version Parameter Click on the Input and select fixed Value Click the value box and select version public.Maintenance Plan and click Ok</p>	<p>Target Version Select the version to run</p> <p>Input</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Prompt</div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Prompt</div> <div style="border: 2px solid yellow; padding: 2px; display: inline-block;">Fixed Value</div>  <p>Select Target Version</p> <ul style="list-style-type: none"> <input type="radio"/> public.Actual <i>Actual</i> <input type="radio"/> public.Cyclic Maintenance <i>Cyclic Maintenance</i> <input type="radio"/> public.Maintenance Plan <i>Maintenance Plan</i> <input checked="" type="radio"/> public.Proactive Maintenance <i>Proactive Maintenance</i> <p>OK Cancel</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>	<p>CompanyCode</p> <p>Input</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Fixed Value</div> <p>Value</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Bagnoli & Co</div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Member Selection</div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Default Value</div> <div style="border: 2px solid yellow; padding: 2px; display: inline-block;">Story Filter</div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Input Control</div>  <p>CompanyCode</p> <p>Input</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Fixed Value</div> <p>Value</p> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Bagnoli & Co</div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Company Code</div>

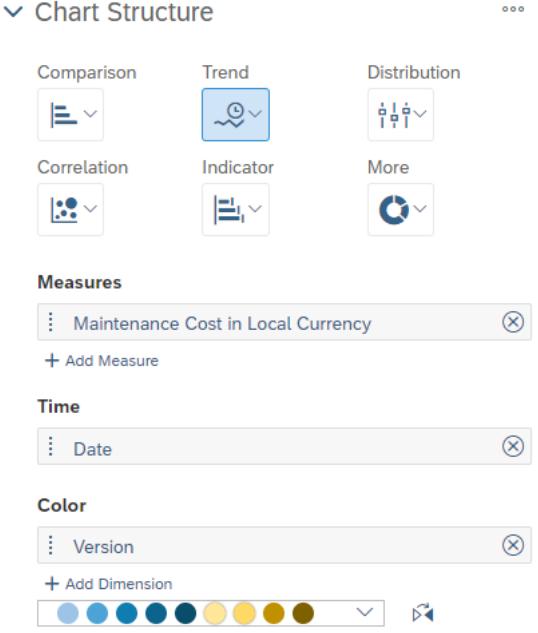
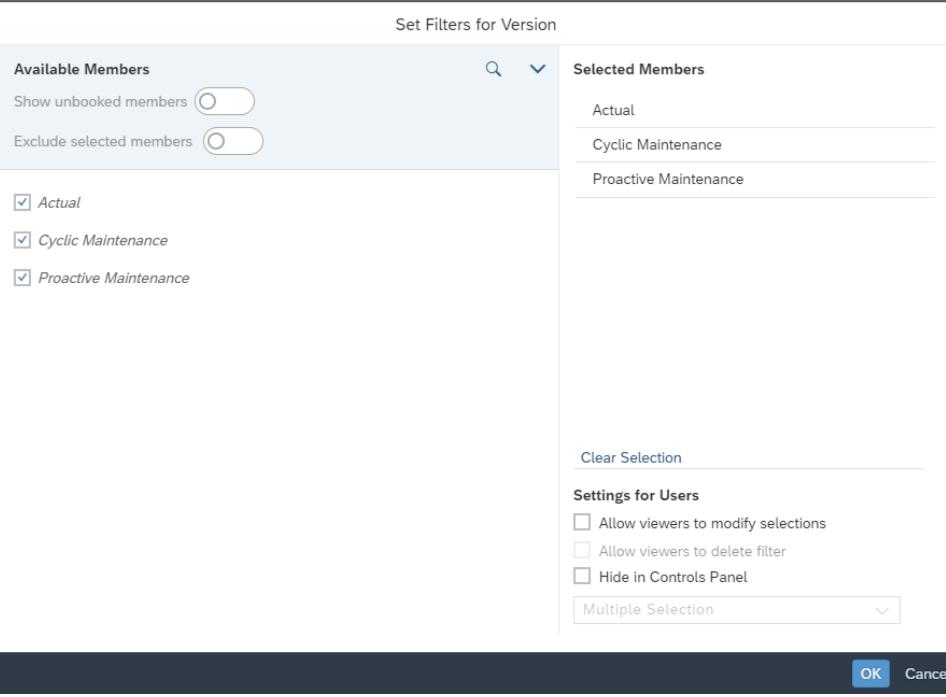
Explanation	Screenshot																																																																												
<p>Repeat the same process for the following Parameters</p> <ul style="list-style-type: none"> • Cost Center • Plant • Functional Location <p>Save the story</p>	 <p>The screenshot shows the configuration of three parameters:</p> <ul style="list-style-type: none"> Cost Center: Input: Fixed Value, Value: Maintenance DE, Category: Cost Center. Functional Location: Input: Fixed Value, Value: 3 Items, Category: Functional Location. Plant: Input: Fixed Value, Value: Plant 1, Category: Plant. 																																																																												
<p>Drag the Data action on top of the table</p>	 <p>Maintenance Cost Budgeting: Generate Proposal</p> <p>MaintenanceCostBudgeting_00</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>Maintenance Cost in Local Currency</th> <th>Maintenance Cost in Local Currency</th> </tr> <tr> <th>2020</th> <th>Actual</th> <th>2021</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></td> <td>0.00</td> <td>10,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</td> <td></td> <td>0.00</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>Preventive Maintenance</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></td> <td>0.00</td> <td>24,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</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>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>0.00</td> <td>5,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</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>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>0.00</td> <td>6,000.00</td> </tr> <tr> <td></td> <td></td> <td>Corrective Maintenance</td> <td></td> <td>0.00</td> <td>0.00</td> </tr> </tbody> </table>	Functional Location	Equipment	Maintenance Category	Date	Maintenance Cost in Local Currency	Maintenance Cost in Local Currency	2020	Actual	2021	Actual	1010-SSF-SAC-PLAR1-CTM1	LGP-Cutting Machine1	Proactive Maintenance		0.00	10,000.00			Corrective Maintenance		0.00	0.00			Preventive Maintenance		18,000.00	0.00	1010-SSF-SAC-PLAR1-DTM1	LGP-Dotting Machine1	Proactive Maintenance		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
Functional Location	Equipment				Maintenance Category	Date	Maintenance Cost in Local Currency	Maintenance Cost in Local Currency																																																																					
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		Corrective Maintenance		0.00	0.00																																																																								

Explanation	Screenshot
<p>Repeat the same steps to include data action <code>Copy_Cyclic_Plan_XX</code> in the story</p>	 <p>The screenshot shows the Fiori Story editor interface. In the top left, there's a yellow header bar with the title 'Screenshot'. The main area contains the following configuration:</p> <ul style="list-style-type: none"> Label: Create Cyclic Plan Description: (empty text input field) Always run in background: (unchecked checkbox) Data Action*: A dropdown menu set to 'Copy_Cyclic_Plan'. Follow-Up Action: A checked checkbox with the label 'Publish target version automatically'. Parameters: A section with several input fields: <ul style="list-style-type: none"> Target Version: Input: Fixed Value, Value: Cyclic Mainten... (with a copy icon). Budget Year: Input: Prompt, Value: (empty text input field). CompanyCode: Input: Fixed Value, Value: Bagnoli & Co (with a copy icon) and Company Code (button). Cost Center: Input: Fixed Value, Value: Maintenance DE (with a copy icon) and Cost Center (button). Cyclic Maintenance Year: Input: Prompt, Value: (empty text input field). Functional Location: Input: Fixed Value, Value: 3 Items (with a copy icon) and Functional Location (button).
Save the story	

Explanation	Screenshot																																																																																																																																				
<p>Click on Create Proactive Plan Data action</p>	 <p>Maintenance Cost Budgeting: Generate Proposal</p> <p>Create Proactive Plan</p> <p>Create Cyclic Plan</p>																																																																																																																																				
<p>In the pop up enter the values as shown and click on Run</p>	 <p>Create Proactive Plan</p> <p>Budget Year 2022</p> <p>Proactive Maintenance Year 2021</p> <p>Run Cancel</p>																																																																																																																																				
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Explanation	Screenshot
<p>In the pop up enter the values as shown and click on Run</p>	
<p>The Data action runs successfully and populates the Cyclic Maintenance Plan for 2022</p>	
<p>Include a time series chart to show the trend of the maintenance cost. To include chart click on Insert->Chart</p>	

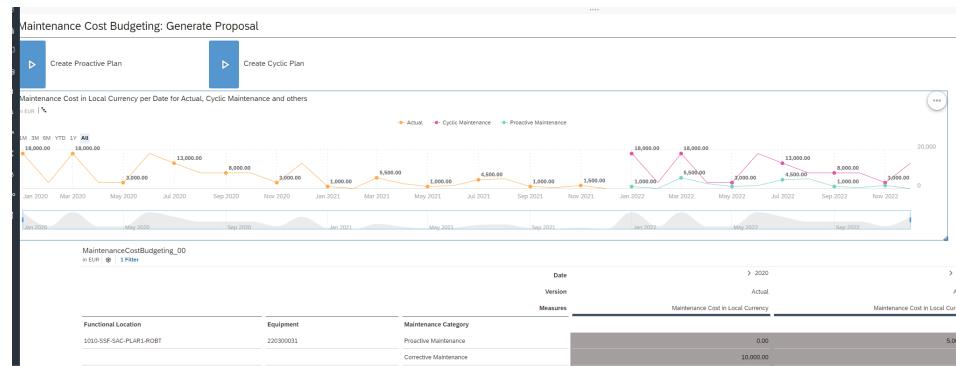
Explanation	Screenshot
<p>The chart is inserted below the table. Drag and drop the chart on top of the table</p>	 <p>The screenshot shows the 'Create Maintenance Plan' interface. At the top, there are two blue buttons: 'Create Proactive Plan' on the left and 'Create Cyclic Plan' on the right. Below these buttons is a large, empty rectangular area with a light gray background. In the center of 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 navigation bar with tabs for 'Functional Location', 'Equipment', and 'Maintenance Category'. Under 'Functional Location', the value '1010-SSF-SAC-PLAR1-ROBT' is shown. Under 'Equipment', the value '220300031' is shown. Under 'Maintenance Category', the values 'Proactive Maintenance', 'Corrective Maintenance', and 'Preventive Maintenance' are listed.</p>
<p>Select the chart and open Designer-> Builder</p>	 <p>The screenshot shows the 'Builder' interface. At the top, there are tabs for 'Designer', 'Controls', 'Edit', and 'View', with 'Designer' being the active tab. Below the tabs, there is a section for 'Data Source' with the value 'MaintenanceCostBudgeting_00' and icons for 'Edit' and 'Delete'. Underneath this, there is a section titled 'Chart Structure' with a 'More' button. Below 'Chart Structure', there are six categories with corresponding icons: 'Comparison' (bar chart icon), 'Trend' (line chart icon), 'Distribution' (histogram icon), 'Correlation' (scatter plot icon), 'Indicator' (bar chart icon), and 'More' (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

Builder

Data Source: MaintenanceCostBudgeting_00

Chart Structure:

- Comparison
- Trend
- Distribution
- Correlation
- Indicator
- More

Chart Orientation: Horizontal

Recommended Comparisons (6)

Measures: Maintenance Cost in Local Currency

Dimensions: + Add Dimension

Color:

- Version
- Cyclic Maintenance (Orange)
- Proactive Maintenance (Green)

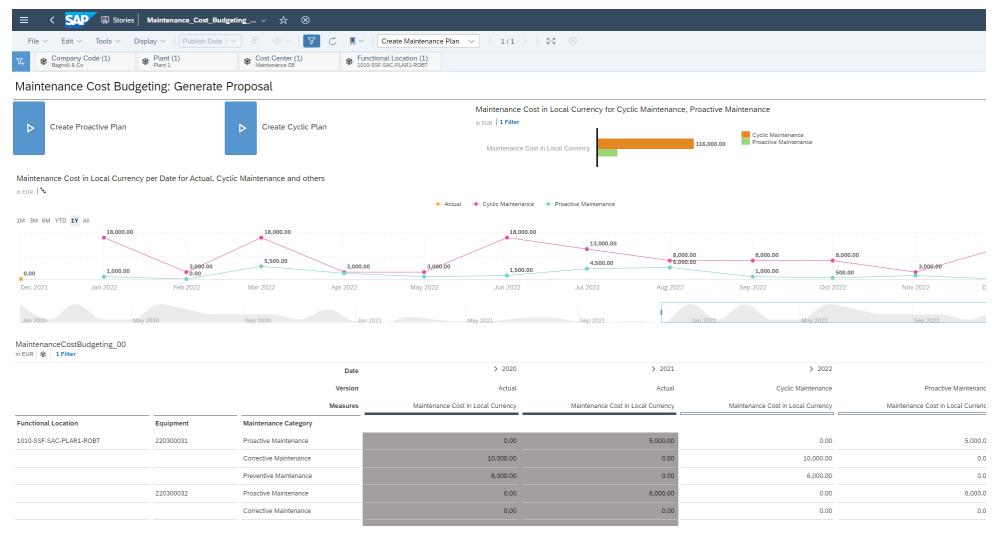
Filters:

- Date (1): 2022
- Version (2): Cyclic Maintenance, Proactive Maintenance

Explanation

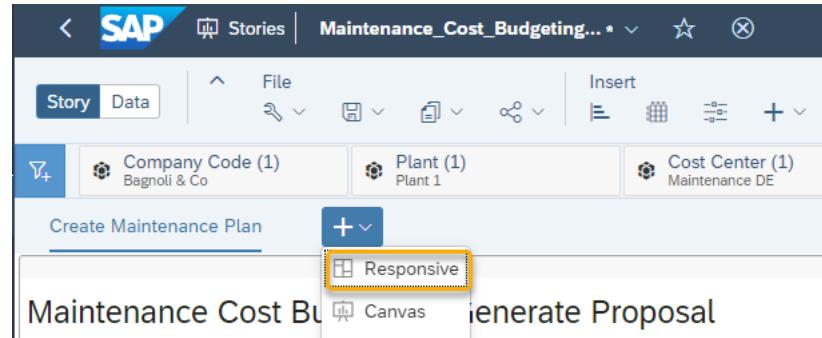
Save the Story

Screenshot



Adjust the Generated Plan

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



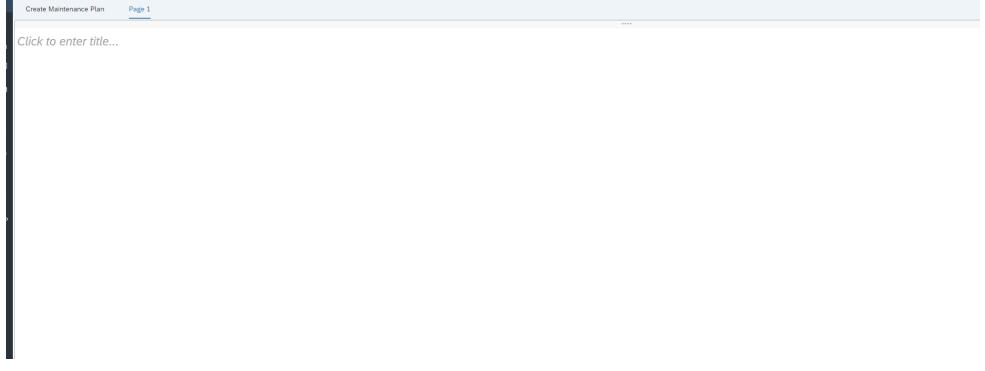
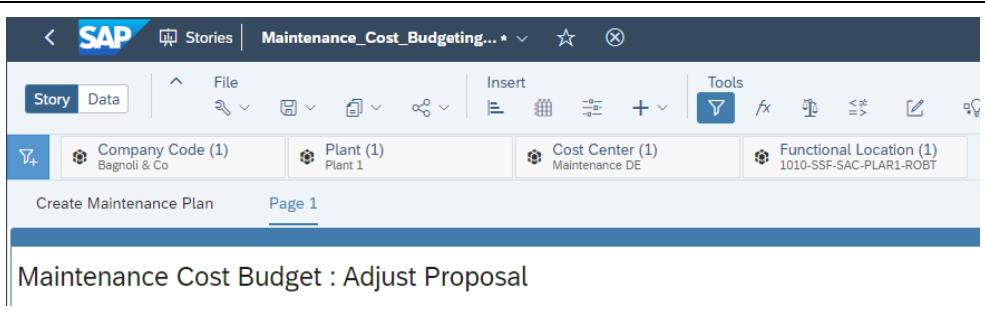
Rename the Page

Rename Page

Name

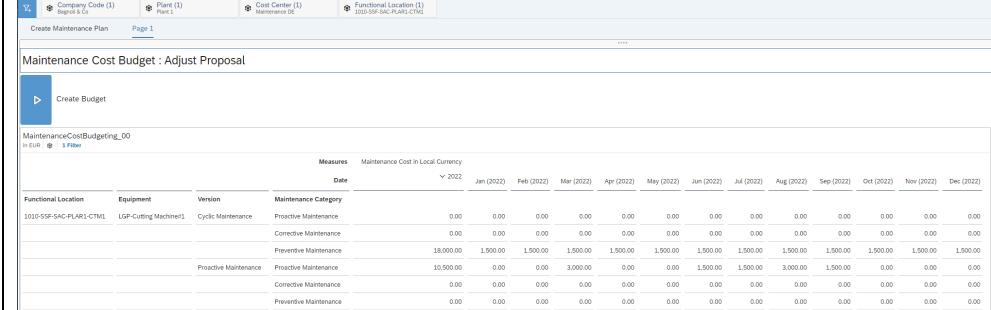
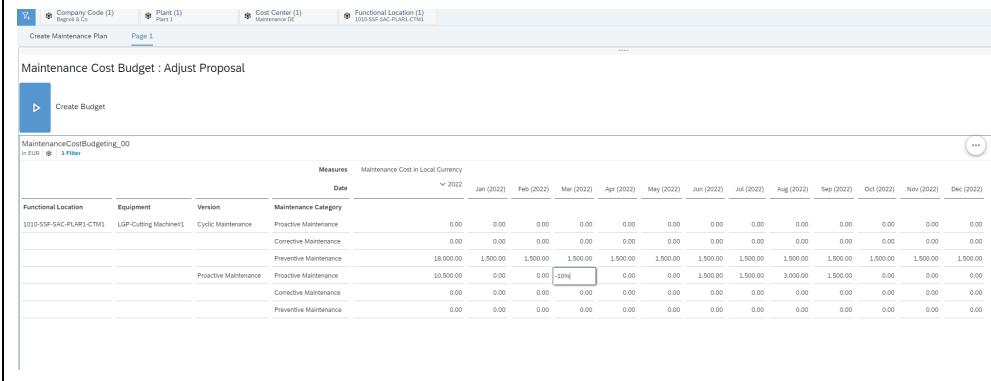
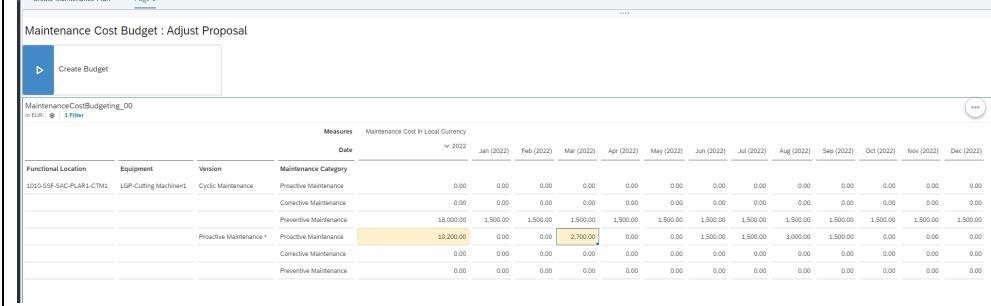
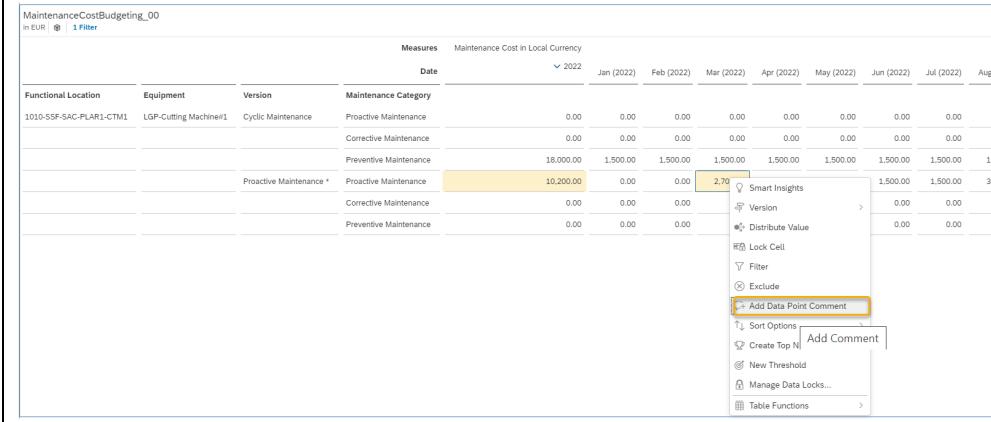
Adjust Plan

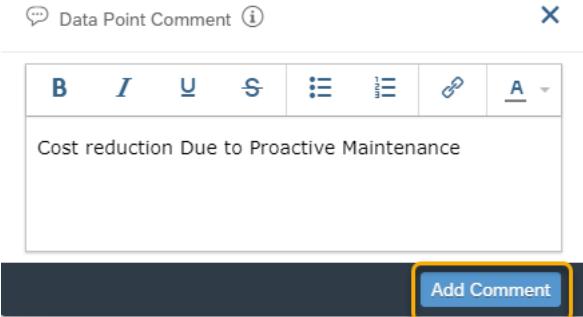
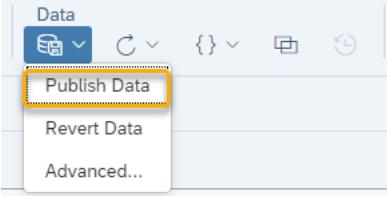
Rename Cancel

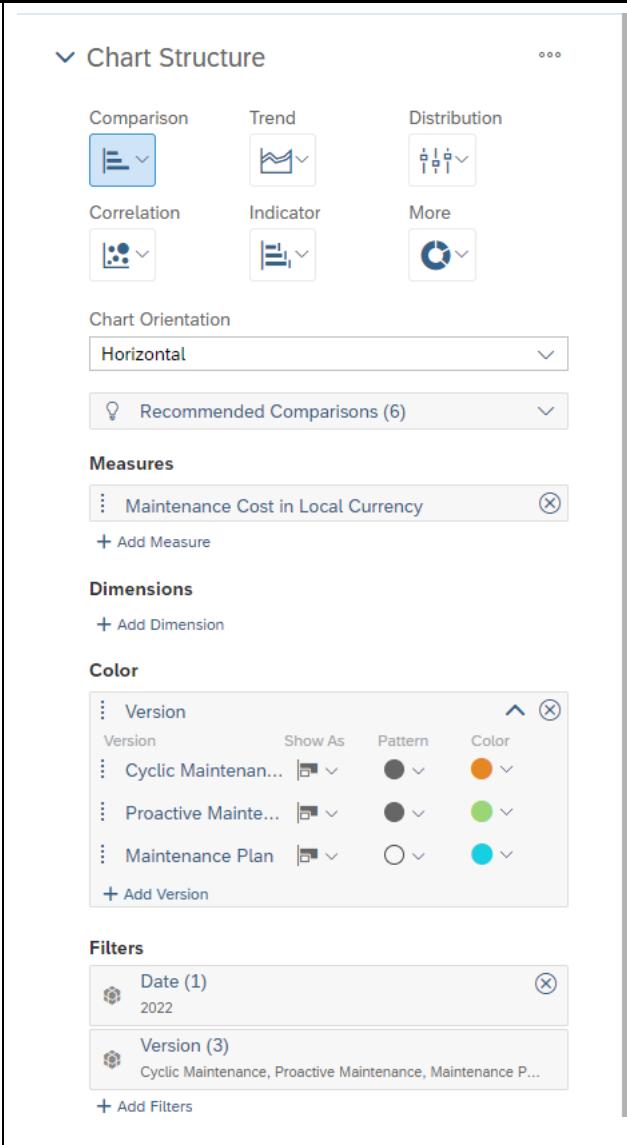
Explanation	Screenshot
Keep only lane in the page by deleting the right lane	 <p>The screenshot shows the SAP Fiori interface for creating a maintenance plan. The title bar says "Create Maintenance Plan" and "Page 1". Below the title, it says "Click to enter title...". The main area is currently empty, representing the state after keeping only the left lane.</p>
Click in the Title and enter "Maintenance Cost Budget : Adjust Proposal" as the page title	 <p>The screenshot shows the SAP Fiori interface for creating a maintenance plan. The title bar says "SAP Stories Maintenance_Cost_Budgeting... *" and "Page 1". The main title area now displays "Maintenance Cost Budget : Adjust Proposal". The navigation bar at the top includes links for Company Code (1), Plant (1), Cost Center (1), and Functional Location (1).</p>

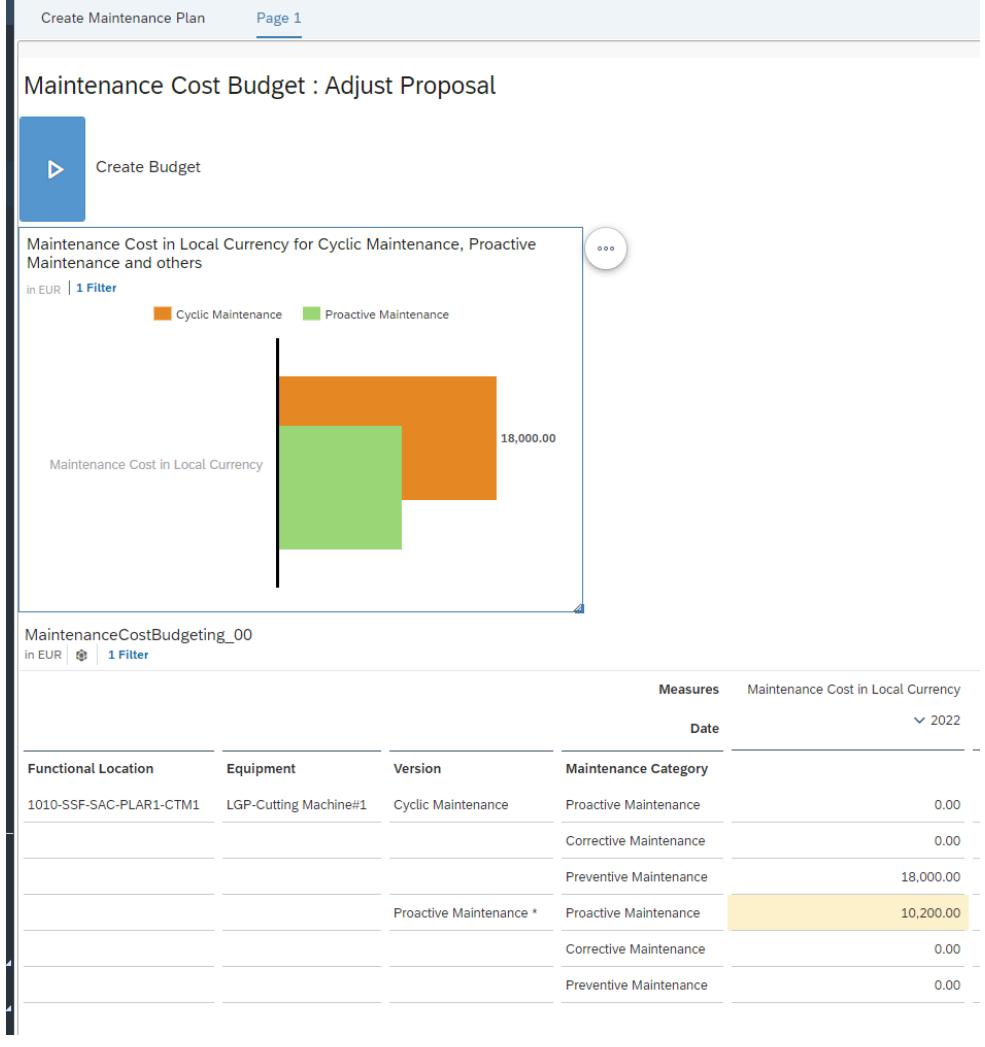
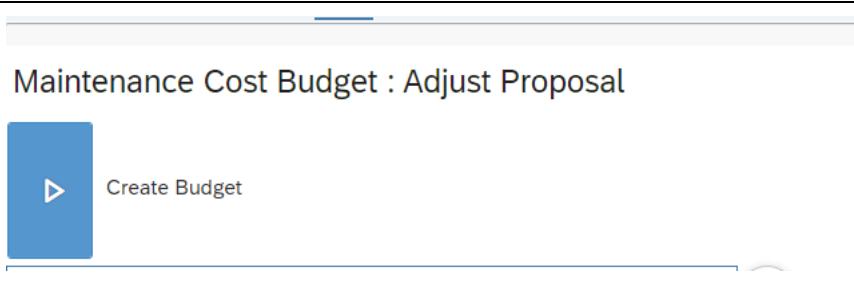
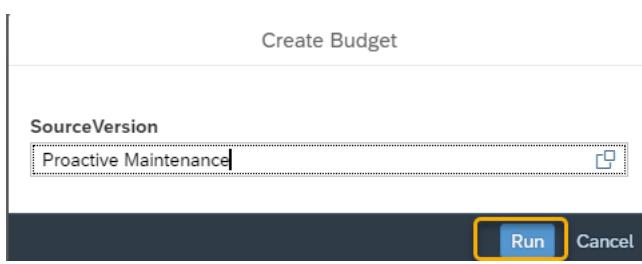
Explanation	Screenshot
<p>Insert a table and configure as shown</p>	<p>The screenshot shows the SAP Fiori Launchpad with the 'Builder' application selected. The main area displays the configuration interface for a cross-tab table named 'MaintenanceCostBudgeting_00'. The configuration includes:</p> <ul style="list-style-type: none"> Cross-tab: Adaptive Column Width, Arrange Totals / Parent Nodes Below, Optimized Presentation. Rows: Functional Location, Equipment, Version, Maintenance Category. Columns: Measures (1 Model Measures), Date. Filters: Date (1) 2022, Measures (1) Maintenance Cost in Local Currency, Version (2) public.Cyclic Maintenance (Cyclic Maintenance), public.Pro...

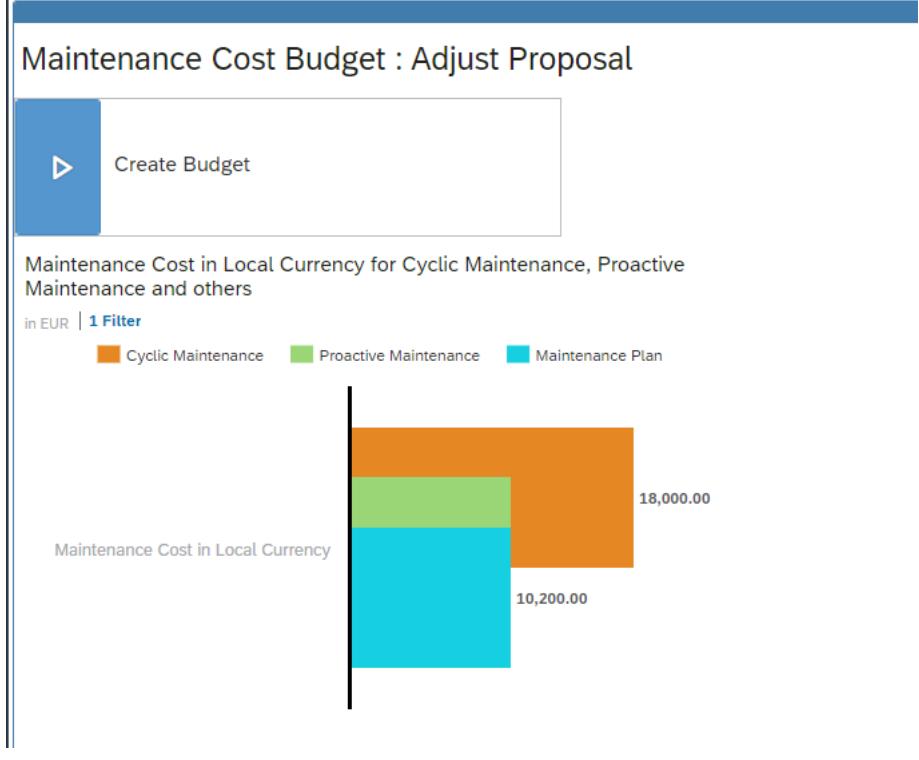
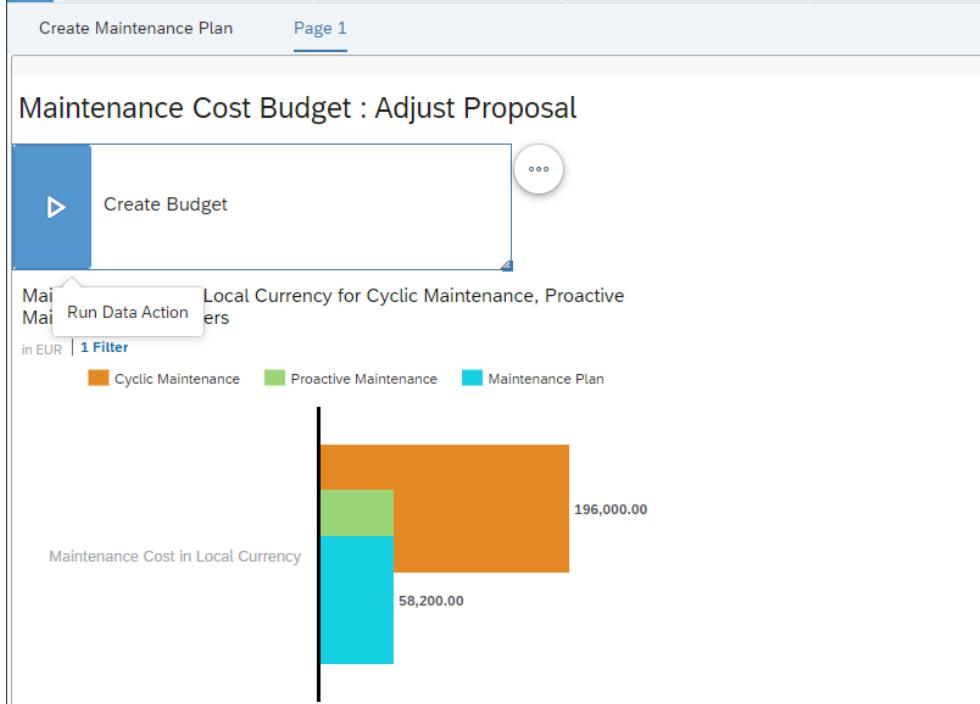
Explanation	Screenshot																								
<p>Insert Data Action Trigger and configure as shown . Use the Data Action Copy_to_Budget_XX</p>	<p>Label Create Budget</p> <p>Description</p> <p><input type="checkbox"/> Always run in background</p> <p>Data Action* Copy_To_Budget</p> <p>Follow-Up Action <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>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>Bagnoli & Co</td> </tr> </table> <p>Cost Center</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td>Maintenance DE</td> </tr> </table> <p>Functional Location</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td>1010-SSF... X</td> </tr> </table> <p>Plant</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Fixed Value</td> <td>Plant 1</td> </tr> </table> <p>SourceVersion</p> <table border="1"> <tr> <td>Input</td> <td>Value</td> </tr> <tr> <td>Prompt</td> <td></td> </tr> </table>	Input	Value	Fixed Value	Maintenance Pl...	Input	Value	Fixed Value	Bagnoli & Co	Input	Value	Fixed Value	Maintenance DE	Input	Value	Fixed Value	1010-SSF... X	Input	Value	Fixed Value	Plant 1	Input	Value	Prompt	
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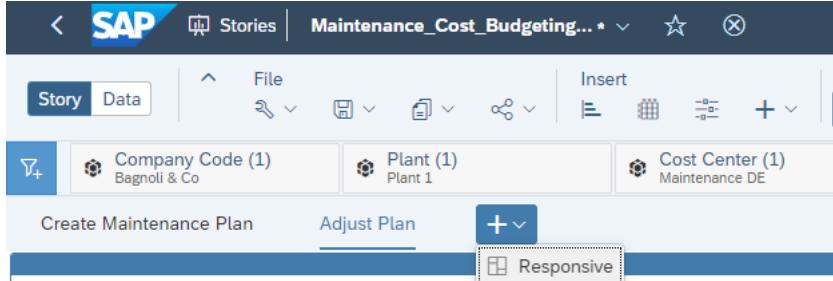
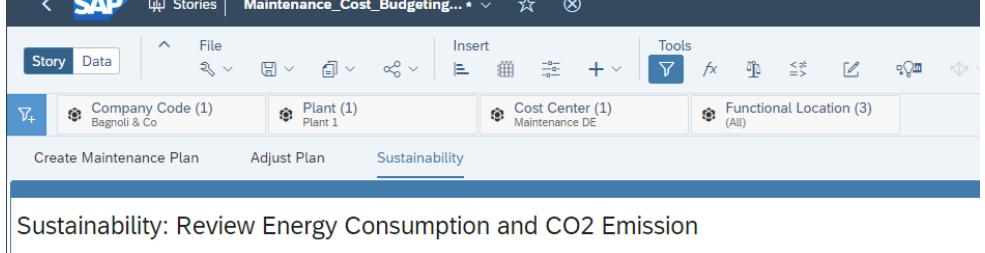
Explanation	Screenshot
<p>Select functional location "1010-SSF-SAC-PLAR1-CTM1" in the story filter. The table display is adjusted accordingly</p>	 <p>The screenshot shows a table titled "MaintenanceCostBudgeting_00" for Functional Location 1010-SSF-SAC-PLAR1-CTM1. The table has columns for Date (Jan 2022 to Dec 2022), Functional Location, Equipment, Version, and Maintenance Category (Proactive, Corrective, Preventive). The data shows monthly costs for each category across the year.</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>The screenshot shows the same table as above, but with a specific cell in the March 2022 row and Proactive Maintenance column highlighted. This indicates a manual adjustment is being made to that value.</p>
<p>SAC reduce the cost by 10%</p>	 <p>The screenshot shows the table after the adjustment. The cell for Proactive Maintenance in March 2022 now contains a value of 2,700.00, indicating a 10% reduction from the original value of 3,000.00.</p>
<p>Right Click on the cell and select Add Data Point Comment</p>	 <p>The screenshot shows a context menu opened over the cell containing 2,700.00. The "Add Data Point Comment" option is highlighted. Other options visible include Smart Insights, Version, Distribute Value, Lock Cell, Filter, and Exclude.</p>

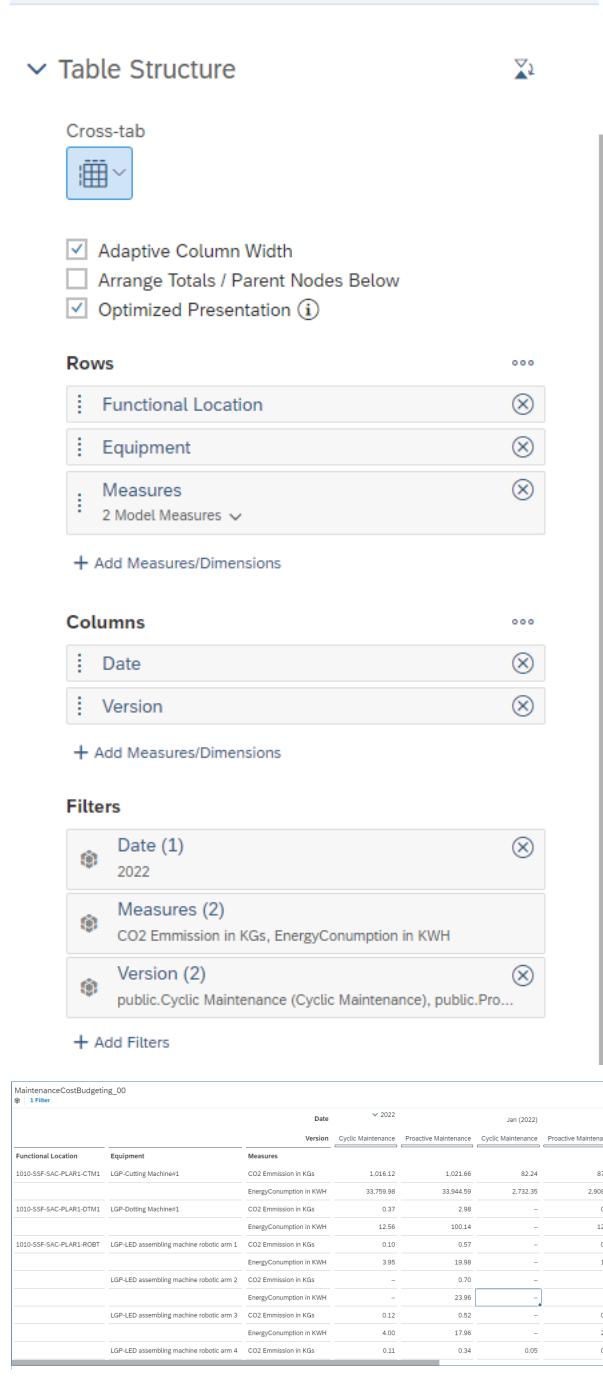
Explanation	Screenshot
<p>The comment dialog box opens. Provide reason for the cost reduction and click on Add Comment</p>	
<p>The data point comment is added to the cell</p>	
<p>Save the changes to the database by selecting Publish Data</p>	

Explanation	Screenshot
<p>Insert a chart to show comparison between Proactive, Cyclic and Plan version for 2022. Configure the chart as shown</p>	 <p>The screenshot shows the configuration pane for a chart in Power BI. The top section, "Chart Structure", includes tabs for Comparison, Trend, Distribution, Correlation, Indicator, and More. Below this, "Chart Orientation" is set to "Horizontal". A dropdown menu for "Recommended Comparisons (6)" is open. The "Measures" section contains one measure: "Maintenance Cost in Local Currency". The "Dimensions" section has a "+ Add Dimension" button. The "Color" section defines three series based on "Version": "Cyclic Maintenance" (orange circle), "Proactive Maintenance" (green circle), and "Maintenance Plan" (blue circle). The "Filters" section includes a date filter for "Date (1) 2022" and a categorical filter for "Version (3) Cyclic Maintenance, Proactive Maintenance, Maintenance P...".</p>

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> <tr> <th>Functional Location</th> <th>Equipment</th> <th>Version</th> <th>Maintenance Category</th> <th></th> </tr> </thead> <tbody> <tr> <td>1010-SSF-SAC-PLAR1-CTM1</td> <td>LGP-Cutting Machine#1</td> <td>Cyclic Maintenance</td> <td>Proactive Maintenance</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Corrective Maintenance</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Preventive Maintenance</td> <td>18,000.00</td> </tr> <tr> <td></td> <td></td> <td>Proactive Maintenance *</td> <td>Proactive Maintenance</td> <td>10,200.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Corrective Maintenance</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Preventive Maintenance</td> <td>0.00</td> </tr> </tbody> </table>	Measures	Maintenance Cost in Local Currency	Date	▼ 2022	Functional Location	Equipment	Version	Maintenance Category		1010-SSF-SAC-PLAR1-CTM1	LGP-Cutting Machine#1	Cyclic Maintenance	Proactive Maintenance	0.00				Corrective Maintenance	0.00				Preventive Maintenance	18,000.00			Proactive Maintenance *	Proactive Maintenance	10,200.00				Corrective Maintenance	0.00				Preventive Maintenance	0.00
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Select Source Version and Click on Run	 <p>Create Budget</p> <p>SourceVersion</p> <p>Proactive Maintenance</p> <p>Run Cancel</p>																																							

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<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> <ul style="list-style-type: none"> Cyclic Maintenance Proactive Maintenance Maintenance Plan <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
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<p>Select all functional location in the story filter and rerun the data action to copy proactive plan version to budget version</p> <p>Maintenance Plan</p>	 <p>Create Maintenance Plan Page 1</p> <p>Maintenance Cost Budget : Adjust Proposal</p> <p>Create Budget</p> <p>Run Data Action Local Currency for Cyclic Maintenance, Proactive Maintenance</p> <p>in EUR 1 Filter</p> <ul style="list-style-type: none"> Cyclic Maintenance Proactive Maintenance Maintenance Plan <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
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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	
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 style="text-align: center;">Sustainability: Review Energy Consumption and CO2 Emission</p>

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<p>Insert Table and Configure the table as shown</p>	 <p>Cross-tab</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Adaptive Column Width <input type="checkbox"/> Arrange Totals / Parent Nodes Below <input checked="" type="checkbox"/> Optimized Presentation i <p>Rows</p> <ul style="list-style-type: none"> Functional Location Equipment Measures 2 Model Measures v <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> <table border="1" data-bbox="514 1330 1493 1634"> <caption>MaintenanceCostBudgeting_00</caption> <thead> <tr> <th rowspan="2">Functional Location</th> <th rowspan="2">Equipment</th> <th rowspan="2">Measures</th> <th colspan="12">Date</th> </tr> <tr> <th>Version</th> <th>Cyclic Maintenance</th> <th>Proactive Maintenance</th> <th>Cyclic Maintenance</th> <th>Proactive Maintenance</th> <th>Cyclic Maintenance</th> <th>Proactive Maintenance</th> <th>Cyclic Maintenance</th> <th>Proactive Maintenance</th> <th>Cyclic Maintenance</th> <th>Apr (2022)</th> </tr> </thead> <tbody> <tr> <td>1010-SFF-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>82.24</td> <td>87.54</td> <td>83.81</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>33,944.99</td> <td>2,732.35</td> <td>2,908.48</td> <td>2,784.67</td> <td>2,443.52</td> <td>2,515.12</td> <td>2,814.86</td> <td>3,275.39</td> </tr> <tr> <td>1010-SFF-SAC-PLAR1-OTM1</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-SFF-SAC-PLAR1-ROBT</td> <td>LGP-LED assembling machine robotic arm 1</td> <td>CO2 Emission in KGs</td> <td>0.10</td> <td>0.07</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>0.09</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												Version	Cyclic Maintenance	Proactive Maintenance	Cyclic Maintenance	Apr (2022)	1010-SFF-SAC-PLAR1-CTM1	LGP-Cutting Machine#1	CO2 Emission in KGs	1,016.12	1,021.66	82.24	87.54	83.81	79.57	75.70	84.72	98.58			EnergyConsumption in KWH	33,759.98	33,944.99	2,732.35	2,908.48	2,784.67	2,443.52	2,515.12	2,814.86	3,275.39	1010-SFF-SAC-PLAR1-OTM1	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-SFF-SAC-PLAR1-ROBT	LGP-LED assembling machine robotic arm 1	CO2 Emission in KGs	0.10	0.07	—	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	0.09	0.00	—	—	—	0.11	—						
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