



PARTNER

DV360 Exercise01-SAP Analytics Cloud Analytic Application

This document will guide you step by step on the process of creating an Analytic Application and implementing interaction between widgets.

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Table of Contents

DISCLAIMER	4
OBJECTIVE	4
SCENARIO	4
ENVIRONMENT ACCESS – SAP ANALYTICS CLOUD	5

DISCLAIMER

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OBJECTIVE

The objective of this exercise is to give you an overview of how you can use the Analytics Designer to create an Analytic Application and how to add your custom script to react on events.

SCENARIO

We will be creating an Analytic Application containing a chart and a web page. The chart will display the book sales data from SAP Data Warehouse Cloud. When a user selects a book from the Chart, the web page should display details about it.

ENVIRONMENT ACCESS – SAP ANALYTICS CLOUD

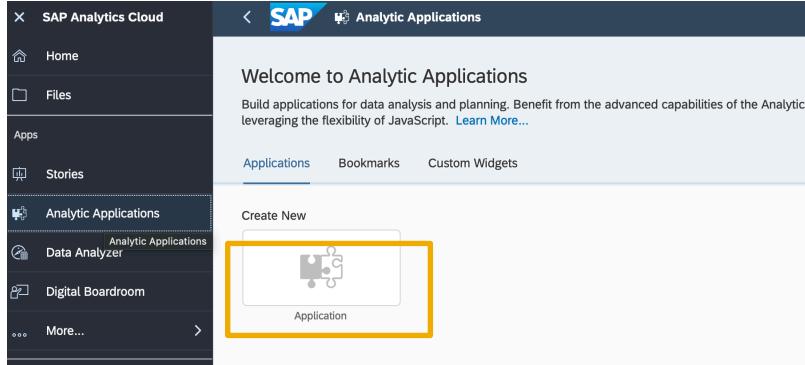
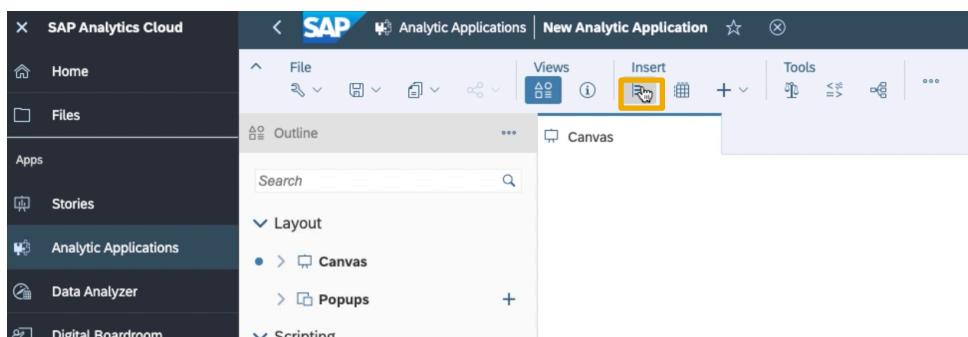
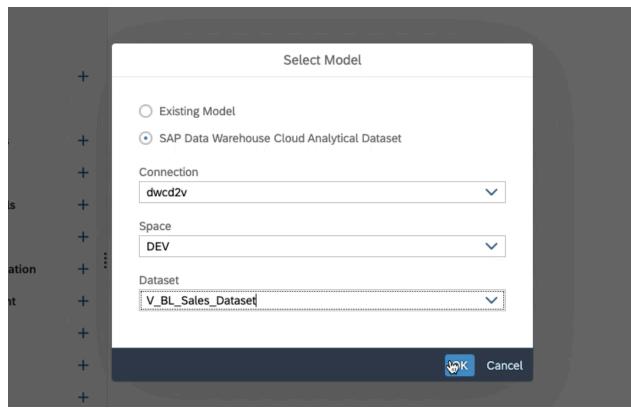
The environments we will use for the hand-on exercise will be:

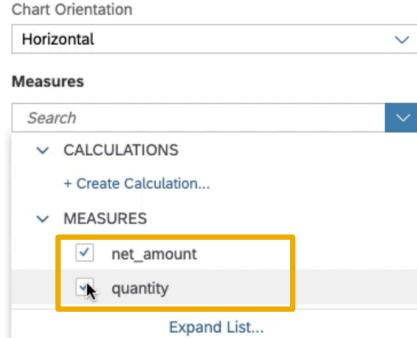
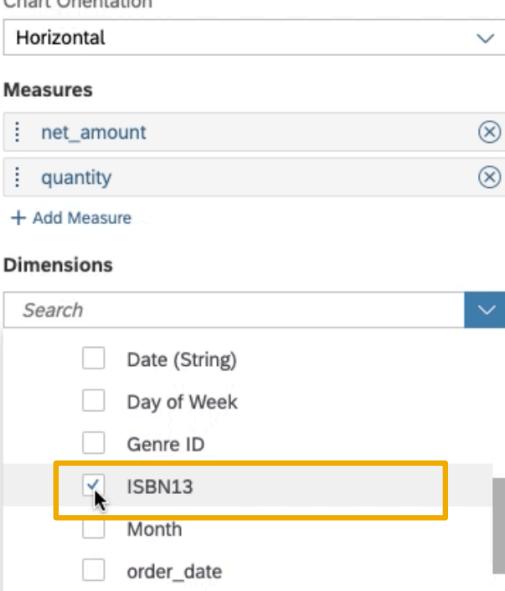
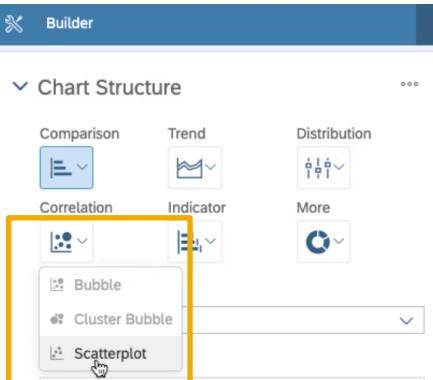
- SAP Analytics Cloud (SAC)

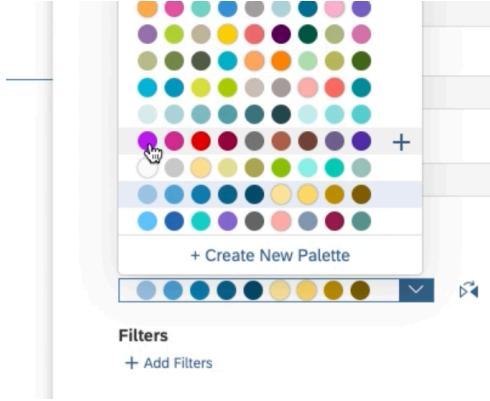
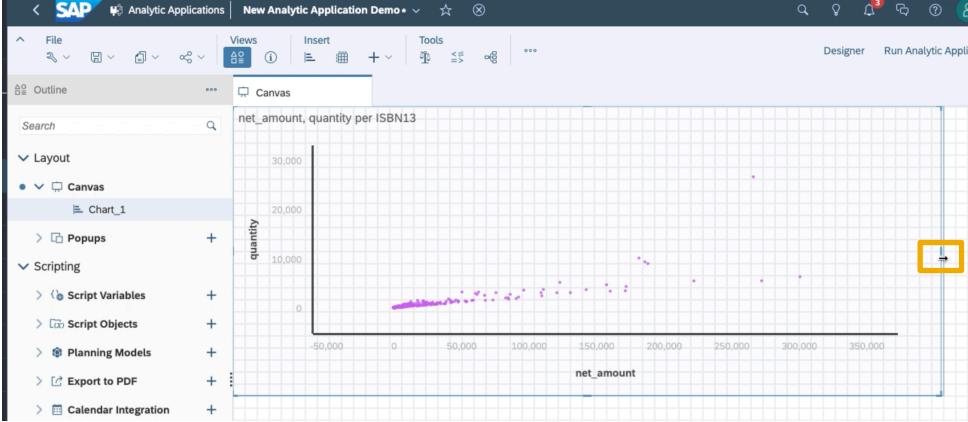
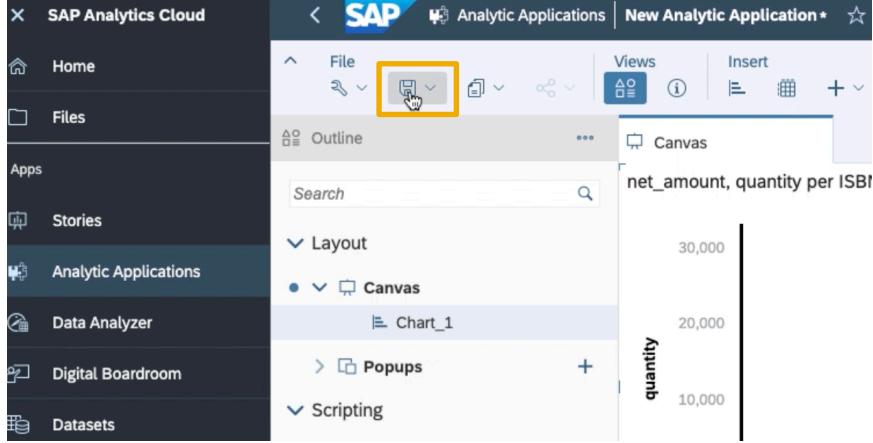
For the Bootcamp participants, please use the SAC tenant provided by SAP with your assigned user id and password.

- The SAC tenant URL is available in the dedicated Microsoft Teams > General (Channel) > System Access
- Your assigned user id and password are communicated individually via email.

Explanation	Screenshot
Log on to SAP Analytics Cloud and Get to the Home Screen	
Click on Analytic Applications from the left side menu	

Explanation	Screenshot
<p>By default, the Applications tab is selected. Click on the icon  to create a new analytic application</p>	
<p>The Analytics Designer is opened with an empty canvas to create the new Analytic Application. Click  to insert a new Chart.</p>	
<p>You need first to select a Model. You will be using the data previously created in DWC for your user: Connection: DWCD2V_XXXXXXX or shared DWC connection Space: Your space D2VXXXXX Dataset: All BL Sales Order Data Click OK.</p>	

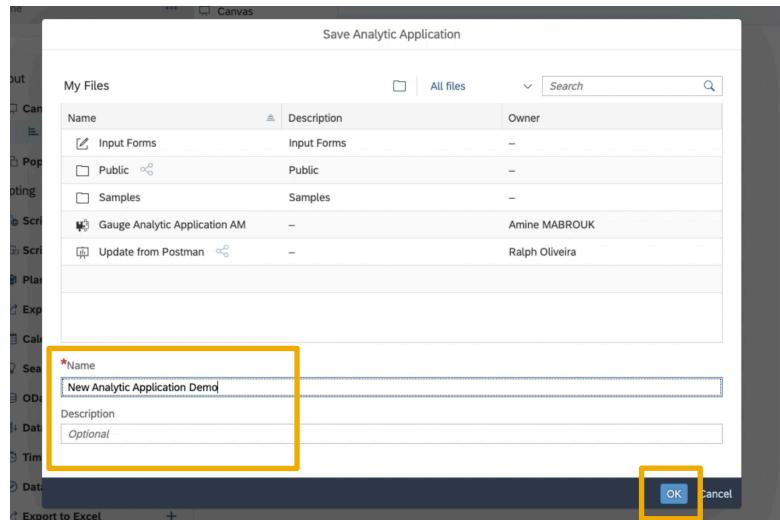
Explanation	Screenshot
<p>Measures should be selected to be able to have the chart visualization. Click Add Measure and select both net_amount and quantity.</p>	 <p>Chart Orientation: Horizontal</p> <p>Measures</p> <ul style="list-style-type: none"> Search + Create Calculation... MEASURES <input checked="" type="checkbox"/> net_amount <input checked="" type="checkbox"/> quantity <p>Expand List...</p> <p>Properties</p>
<p>Click Add Dimension and select ISBN13</p>	 <p>Chart Orientation: Horizontal</p> <p>Measures</p> <ul style="list-style-type: none"> : net_amount : quantity <p>+ Add Measure</p> <p>Dimensions</p> <ul style="list-style-type: none"> Search Date (String) Day of Week Genre ID <input checked="" type="checkbox"/> ISBN13 Month order_date
<p>Change the Chart type by clicking  and selecting Scatterplot</p>	 <p>Builder</p> <p>Chart Structure</p> <ul style="list-style-type: none"> Comparison Trend Distribution Correlation Indicator More  Scatterplot

Explanation	Screenshot
<p>You can change the color palette if you like by selecting a different row from the color dropdown list.</p>	
<p>The Chart is updated according to the configuration. You can enlarge it to have a better visualization.</p>	
<p>Click the save icon to save the new built Analytic Application.</p>	

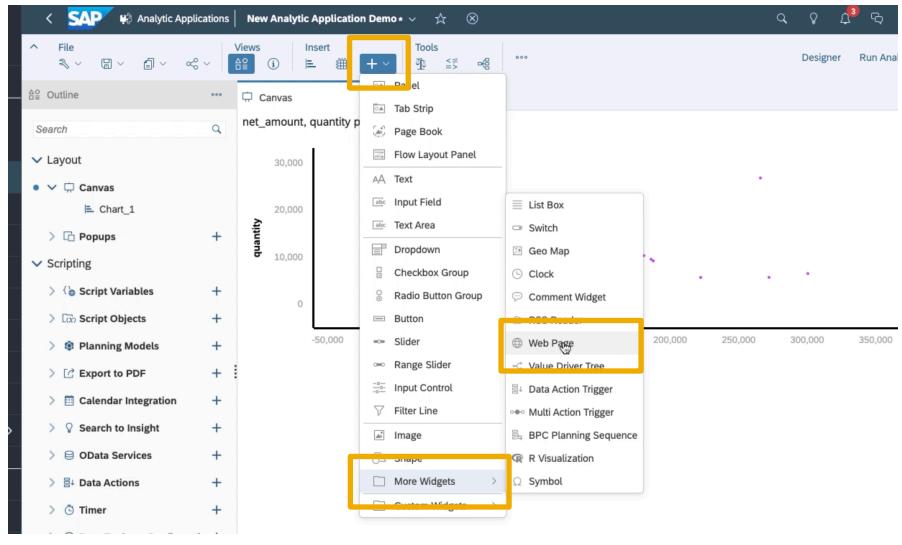
Explanation

Enter a name (Std Analytic Application D2VXXXXX) and a Description for your new Analytic Application and click OK to save.

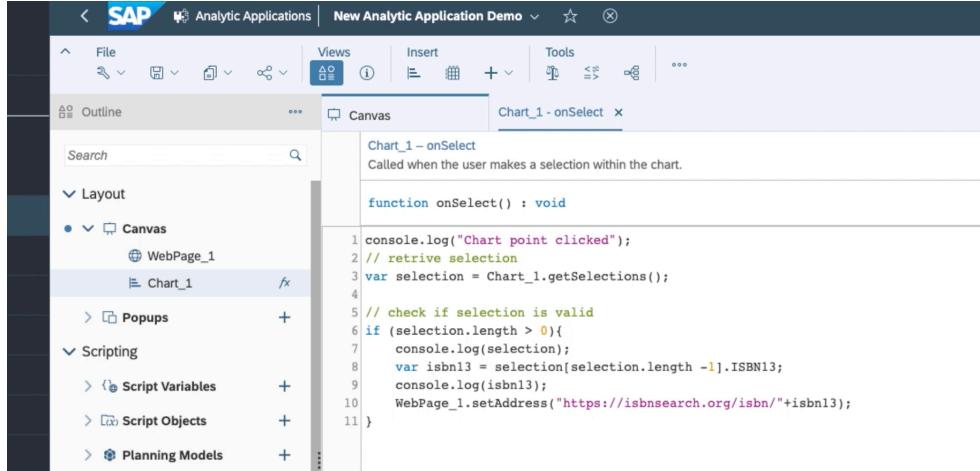
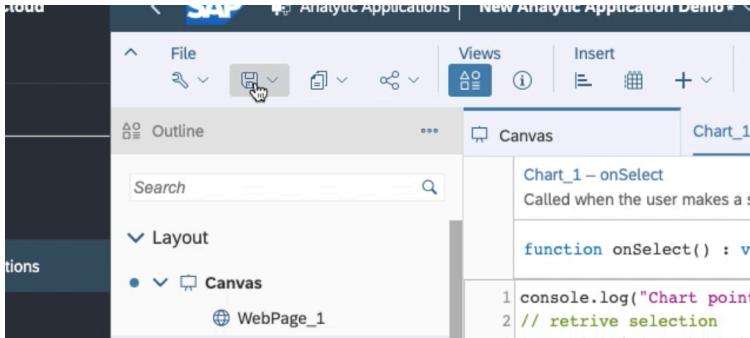
Screenshot

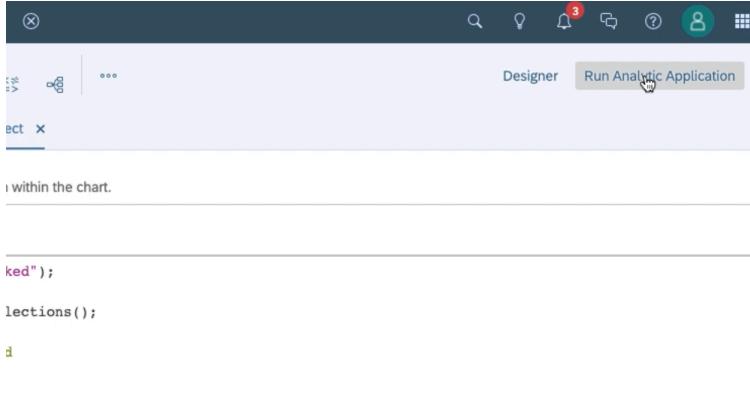
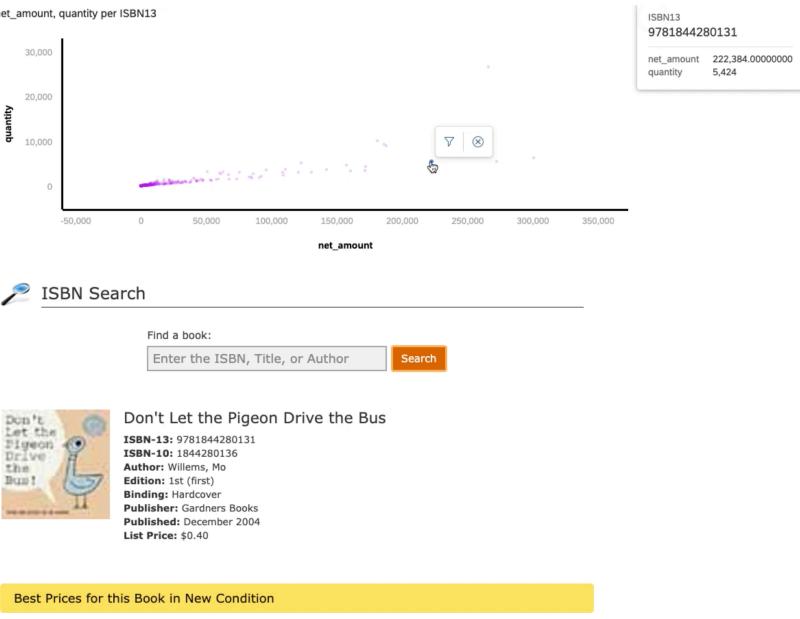


Insert a new Web Page widget. Click on the + icon then More widgets and select Web Page.



Explanation	Screenshot
<p>The new Web Page widget is added and need to be configured.</p> <p>Click on Designer button to open the builder and then enter the values as below:</p> <p>Title: Book Details Web Page Address: https://isbnsearch.org/</p>	
<p>The web page should be updated when a user select an entry from the chart.</p> <p>In order to implement the interaction, click on the icon of "Chart_1" and click the "onSelect" event that we will use.</p>	

Explanation	Screenshot
<p>Copy the script below and paste it in the onSelect function editor.</p>	 <pre data-bbox="518 249 1498 720"> function onSelect() : void { console.log("Chart point clicked"); // retrieve selection var selection = Chart_1.getSelections(); // check if selection is valid if (selection.length > 0){ console.log(selection); var isbn13 = selection[selection.length -1].ISBN13; console.log(isbn13); WebPage_1.setAddress("https://isbnsearch.org/isbn/" +isbn13); } } </pre>
<p>Now all is done, save the application.</p>	

Explanation	Screenshot
<p>Click Run Analytic Application to execute your new application.</p>	 <pre> <i>within the chart.</i> ked"); lections(); d </pre>
<p>Select from the Chart different book points, the web page should update accordingly based on the ISBN13 of the book.</p>	 <p>net_amount, quantity per ISBN13</p> <p>quantity</p> <p>net_amount</p> <p>ISBN13 9781844280131 net_amount 222,384.0000000 quantity 5,424</p> <p>Find a book: Enter the ISBN, Title, or Author <input type="button" value="Search"/></p> <p> Don't Let the Pigeon Drive the Bus ISBN-13: 9781844280131 ISBN-10: 1844280136 Author: Willems, Mo Edition: 1st (first) Binding: Hardcover Publisher: Gardners Books Published: December 2004 List Price: \$0.40</p> <p>Best Prices for this Book in New Condition</p>