

Vertical Bar Graph App



Introduction.

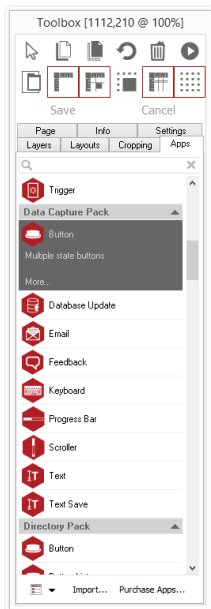
This page app displays a basic bar graph based on data from an XML file. The output from the OLE DB page app is compatible with this page app.

The graph will automatically update if the input XML file changes.

Using Vertical Bar Graph app.

To access the app open an existing or new page and select the **'App'** tab of the page editor **'Toolbox'** (shown below). Apps are grouped within the relevant app packs and are displayed red if they have been licenced. For more information about licencing apps go to [Licencing apps](#).

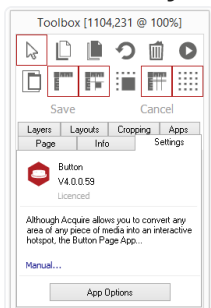
Select the app from the list or search for it using the search bar. When an app is selected it will be highlighted as shown.



Once you have selected your app draw an area on your page where you would like to use the app. In this case you will be drawing a space where you want your graph included on your page.

The **'Settings'** tab within the Toolbox will automatically open when the app is added to the page.

From here you can set your app up by clicking on the **'App Options'** button.



Data Source Tab.

The screenshot shows the 'Data Source' tab of the 'Vertical Bar Graph' dialog. It includes a text field for 'Read Data from XML File:', a note about XML file format, and fields for 'Column Name Heading Field:' and 'Data Field:'. There are also spinners for 'Default Minimum Value:' (set to 0) and 'Default Maximum Value:' (set to 100), and a checked checkbox for 'Automatically Re-scale as needed'. 'OK' and 'Cancel' buttons are at the bottom.

1. Type the path and filename of the XML file you wish to use as your data source. This can be an Acquire variable.
2. Enter a name for the heading field and Data field.

To enable the graph to look as expected you can specify an initial range for the graph. If you choose Automatically re-scale as needed then these ranges will be extended if data is too large, else they will be clipped.

Graph Setup Tab.

The screenshot shows the 'Graph Setup' tab of the 'Vertical Bar Graph' dialog. It features a 'Background' section with a color picker and a 'Minimum Bar Height' spinner (set to 40). The 'Legend Font' section has spinners for 'Height:' (200), 'Font Name:' (Arial), 'Size:' (12), and a 'Color:' picker. The 'Value on Bars' section has an 'Enable' checkbox, 'Font Name:' (Arial), 'Size:' (10), and a 'Color:' picker. 'OK' and 'Cancel' buttons are at the bottom.

1. Specify a background or image to appear behind the bars in the graph.
2. Specify a minimum bar size. This gives the bar a size even when it has a zero value.

Use the Legend Font options to change the font used to draw the legend/headings. The width section specifies how much space is reserved to show the text.

This section allows you to configure if the values should be displays on each bar, and the format of the text.

Bar Colour Tab.

The screenshot shows the 'Bar Colour' tab of the 'Vertical Bar Graph' dialog. It contains a table with columns 'Rule', 'Value', 'Colour', and 'Background'. Below the table, there are controls for 'If Value is:' (Greater Than), a value field, 'Set Bar Colour To:' (black), and 'Set Bar Image To:'. 'OK' and 'Cancel' buttons are at the bottom.

Here, the list of rules to process is displayed. Each time the graph is drawn the app starts at the top and works to the bottom. The last matching rule is the one that is applied. The matched rule is used to draw the bar.

The bottom section allows you to configure the rule. You can choose the match based on greater than, less than or equal to.

as:lightbulb The value to be compared to can also be a variable. You can then choose a background image or colour. If the image is found it will override the colour and be stretched to fill the bar.

Data Format.

The plug-in requires the data to be in a specific XML format. The format is as follows:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<RecordSet>
<Record>
<Field>Field Name</Field>
<Value>FieldValue</Value>
</Record>
<Record>
<Field>Field Name</Field>
<Value>FieldValue</Value>
</Record>
</RecordSet>
```