

Horizontal Bar Graph



Purpose

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.

Configuration window

The screenshot shows the 'Horizontal Bar Graph' configuration window with the 'Data Source' tab selected. It contains the following fields and options:

- Read Data from XML File:** A text input field with a note below it: "The format of this XML file must match the format of the XML data output by the OLEDB Page Plugin."
- Column Name Heading Field:** A text input field.
- Data Field:** A text input field.
- Default Minimum Value:** A spinner box set to 0.
- Default Maximum Value:** A spinner box set to 100.
- Automatically Re-scale as needed

Buttons for 'OK' and 'Cancel' 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 in these two boxes the names of the fields which contain the heading (field names) and values (data).
3. 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.

The screenshot shows the 'Horizontal Bar Graph' configuration window with the 'Graph Setup' tab selected. It contains the following fields and options:

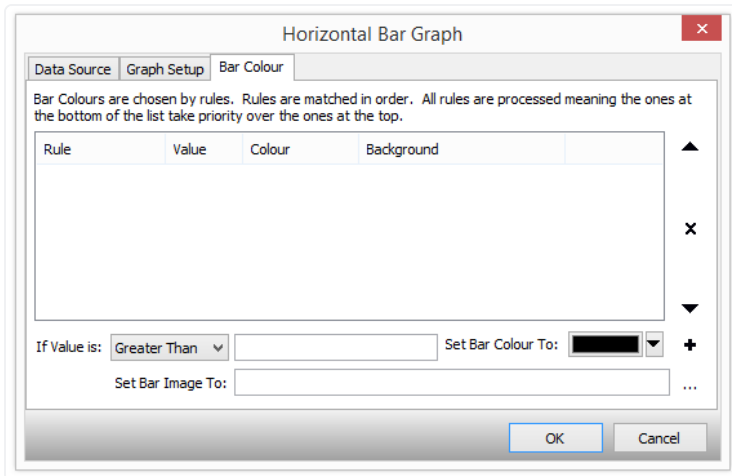
- Background:**
 - Background Color:** A color picker set to black.
 - Minimum Bar Width:** A spinner box set to 40.
 - Background Image:** A text input field with a browse button (...).
- Legend Font:**
 - Width:** A spinner box set to 200.
 - Font Name:** A dropdown menu set to Arial.
 - Size:** A spinner box set to 12.
 - Color:** A color picker.
- Value on Bars:**
 - Enable
 - Font Name:** A dropdown menu set to Arial.
 - Size:** A spinner box set to 10.
 - Color:** A color picker.

Buttons for 'OK' and 'Cancel' are at the bottom.

1. Specify a background or image to appear behind the bars in the graph.

2. Use this to specify a minimum bar size. This gives the bar a size even when it has a zero value.
3. This is used to change the font used to draw the legend/headings. The width section specifies how much space is reserved to show the text.
4. This section allows you to configure if the values should be displays on each bar, and the format of the text.

Bar Colour.



1. This is a list of rules to process. Each time the graph is drawn the plug-in 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.
2. This section allows you to configure the rule. You can choose the match based on greater than, less than or equal to. Tip: 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>
```