# **Creating a Column Chart Widget**

A column chart is one of the widget types that MSPbots users can utilize to highlight key data and identify actionable items for members, managers, and owners of MSPs. This widget type is helpful when comparing data that is presented in columns, bars, or stacking columns. Read this article to learn how to create a column chart widget.

The procedure below required admin access. Before starting, ensure that you are logged in to MSPbots as an administrator.

## To create a column widget

. On the MSPbots menu, navigate to Widgets.				
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2. On the Widgets tab, click New Widget.



3. Browse the widget types on the New Widget window and select Column Chart.

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Column Chart	Pie Chart	Le I Tree Grid	User TimeZone	Pivot Table	Target Card
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Transparent Bar3D					

4. When the Widget Builder window opens, provide the following, then click the Apply button.
Name - Give the widget a name.
Description - Provide a short description.
Role - Select User or Admin.

Basic Setting	Preview
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More Info	
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* Role	
Admin 🛞 +1 🗸	

### 5. Go to Dataset and click 🕂 sign.

# Widget Builder

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6. Click **New Layer** on the Add New Layer window that appears.

Layer

- 7. Do the following on the Dataset window:

  a. Select a Dataset to use and provide a name for this.
  b. Add columns by selecting an option from the Column Name dropdown list and assigning an Alias and Business Type for each.
  c. Click the 
   icon to add more rows.
  d. Add filters, measures, and dimensions.
  e. Choose a value for Order By and input for Row Limit, if necessary.

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#### f. Click the Save button.

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Cancel Save

- 8. Click Apply. This will show a default preview of the column chart that you created.
- 9. Next, go to Config and provide data for the following fields:
  - Bar Chart Title Provide a title for the data being presented.
  - **Dimension** Select the data for the x-axis (horizontal) of the bar chart.
- 10. Multiple Measure If this is not selected, the y-axis will have one measure. If selected, there will be multiple measures on the y-axis, such as the left y-axis and the right Y-axis.
  - Measure Select the data for the y-axis (vertical) of the bar chart.
  - Measure Color Select the color for the y-axis of the bar chart.
  - Show Column Limit Set the number of columns to display on the Column Chart. For example, setting it to 3 will display 3 columns.
  - Trendline Select the preferred trendline from the dropdown list, if necessary.
  - Label Font Size Set the font size for the label.
  - X-Axis Font Size Set the font size for the x-axis.
  - Set Goal Provide the preferred set goal, if necessary.
  - Goal Color Select a color for the set goal.
  - Measure-Line Select the preferred measure-line from the dropdown list, if necessary.
  - Dimension Group Select the preferred dimension group from the dropdown list, if necessary.
  - Type Select the StackingColumn, Column, or Bar from the dropdown list, if necessary.
  - stacked Statistics Enable this switch to display the column chart using stacked statistics.
  - stacked Statistics Sort Select descending or ascending to sort the stacked statistics.
  - Dimension Name Provide a name for the x-axis of the bar chart.
  - Measure Name Provide a name for the y-axis of the bar chart.
    - yAxis Percentage Selecting this option will display the percentage on the y-axis.
      - Right yAxis Coordinate If selected, it will display the coordinates on the right x-axis.
        - Use Right yAxis Measure Select the measure to be used for the right y-axis.
          - Right yAxis Label Name Enter the label name for the right y-axis.
        - Right yAxis Percentage Select to display the percentage on the right y-axis.
  - yAxis NameLocation Select start, center, or end as the location for the Measure Name from the dropdown list, if necessary.
  - **yAxis NameGap** Provide the preferred number of gaps for Measure Name, if necessary.
  - yAxis NameRotate Provide the preferred orientation for Measure Name, if necessary.
  - Show Label The default is to show the labels. Deselect the checkbox for Show Label if you prefer not to show these.
  - Split Line Show Select the checkbox for Split Line Show if you wish to show the split lines.
  - Label Format You can configure the Label Format with the following tokens:
    - {x\_val}: The value of the x-axis
      - {x\_val2}: The dimension value of the legend
      - {y\_val}: The total value of the y-axis in the bar chart

- {y\_val2}: If a stacked bar chart is selected, this is the value of each part of the y-axis.
  {measure\_name}: The name of the y-axis

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Click Apply to save the settings.
 Go to Conditional Formatting. If you want the text color to change when the fields and measures meet specific conditions, set a conditional formatting rule for your column chart. Once a rule is set, click Apply on the Add a rule window.

Conditional Formatting		Preview
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+ Add a rule Rules will be a Click and drag	Add a rule *Widget Rule Enter Rule Name	×
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4. Lastly, click Apply on the Widget Builder window.