

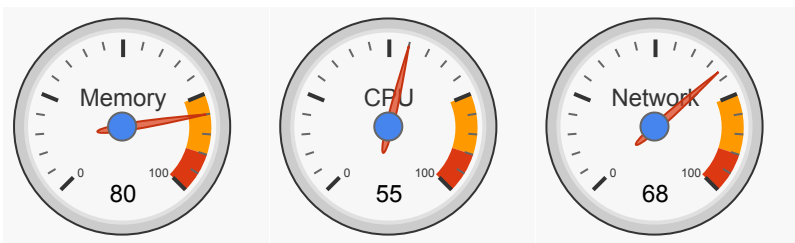
Visualization: Gauge

Overview

A gauge with a dial, rendered within the browser using SVG or VML.

Example

Computational resources



CODE IT YOURSELF ON JSFIDDLE

```
<html>
<head>
  <script type="text/javascript" src="https://www.gstatic.com/charts/loader.js">
  <script type="text/javascript">
    google.charts.load('current', {'packages':['gauge']});
    google.charts.setOnLoadCallback(drawChart);

    function drawChart() {

      var data = google.visualization.arrayToDataTable([
        ['Label', 'Value'],
        ['Memory', 80],
        ['CPU', 55],
        ['Network', 68]
      ]);

      var options = {
        width: 400, height: 120,
        redFrom: 90, redTo: 100,
        yellowFrom: 75, yellowTo: 90,
        minorTicks: 5
      };
    }
  </script>
</head>
<body>
  <div id="chart">
    <img alt="Gauge chart showing system usage: Memory at 80%, CPU at 55%, and Network at 68%." data-bbox="100 100 400 400"/>
  </div>
</body>
</html>
```

```

    var chart = new google.visualization.Gauge(document.getElementById('cl

    chart.draw(data, options);

    setInterval(function() {
        data.setValue(0, 1, 40 + Math.round(60 * Math.random()));
        chart.draw(data, options);
    }, 13000);
    setInterval(function() {
        data.setValue(1, 1, 40 + Math.round(60 * Math.random()));
        chart.draw(data, options);
    }, 5000);
    setInterval(function() {
        data.setValue(2, 1, 60 + Math.round(20 * Math.random()));
        chart.draw(data, options);
    }, 26000);
}
</script>
</head>
<body>
    <div id="chart_div" style="width: 400px; height: 120px;"></div>
</body>
</html>

```

At the moment there's no way to specify the title of a gauge chart as you can with other Google Charts. In the example above, simple HTML is used to display the title.

Also, the `animation.startup` option available for many other Google Charts is not available for the Gauge Chart. If you'd like a startup animation, draw the chart initially with values set to zero, and then draw again with the value you'd like it to animate to.

Loading

The `google.charts.load` package name is "gauge".

```
google.charts.load('current', {packages: ['gauge']});
```

The visualization's class name is `google.visualization.Gauge`.

```
var visualization = new google.visualization.Gauge(container);
```

Data Format

Each numeric value is displayed as a gauge. Two alternative data formats are supported:

1. Two columns. The first column should be a string, and contain the gauge label. The second column should be a number, and contain the gauge value.
2. Any number of numeric columns. The label of each gauge is the column's label.

Configuration Options

Name	
animation.duration	<p>The duration of the animation, in milliseconds. For details, see the animation documentation (https://developers.google.com/chart/interactive/docs/animation).</p> <p>Type: number Default: 400</p>
animation.easing	<p>The easing function applied to the animation. The following options are available:</p> <ul style="list-style-type: none">• 'linear' - Constant speed.• 'in' - Ease in - Start slow and speed up.• 'out' - Ease out - Start fast and slow down.• 'inAndOut' - Ease in and out - Start slow, speed up, then slow down. <p>Type: string Default: 'linear'</p>
forceIframe	<p>Draws the chart inside an inline frame. (Note that on IE8, this option is ignored; all IE8 charts are drawn in i-frames.)</p> <p>Type: boolean Default: false</p>
greenColor	<p>The color to use for the green section, in HTML color notation.</p> <p>Type: string Default: '#109618'</p>
greenFrom	<p>The lowest value for a range marked by a green color.</p> <p>Type: number Default: none</p>

greenTo	<p>The highest value for a range marked by a green color.</p> <p>Type: number Default: none</p>
height	<p>Height of the chart in pixels.</p> <p>Type: number Default: Container's width</p>
majorTicks	<p>Labels for major tick marks. The number of labels define the number of major ticks in all gauges. The default is five major ticks, with the labels of the minimal and maximal gauge value.</p> <p>Type: Array of strings Default: none</p>
max	<p>The maximal value of a gauge.</p> <p>Type: number Default: 100</p>
min	<p>The minimal value of a gauge.</p> <p>Type: number Default: 0</p>
minorTicks	<p>The number of minor tick section in each major tick section.</p> <p>Type: number Default: 2</p>
redColor	<p>The color to use for the red section, in HTML color notation.</p> <p>Type: string Default: '#DC3912'</p>
redFrom	<p>The lowest value for a range marked by a red color.</p> <p>Type: number Default: none</p>
redTo	<p>The highest value for a range marked by a red color.</p> <p>Type: number Default: none</p>
width	<p>Width of the chart in pixels.</p> <p>Type: number Default: Container's width</p>

yellowColor	The color to use for the yellow section, in HTML color notation. Type: string Default: '#FF9900'
yellowFrom	The lowest value for a range marked by a yellow color. Type: number Default: none
yellowTo	The highest value for a range marked by a yellow color. Type: number Default: none

Methods

Method	
draw(data, options)	Draws the chart. Return Type: none
clearChart()	Clears the chart, and releases all of its allocated resources. Return Type: none

Events

No triggered events.

Data Policy

All code and data are processed and rendered in the browser. No data is sent to any server.

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