

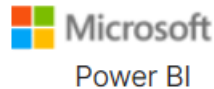


Utilizing Google Charts in PASOE / WebSpeed Applications

Presented by:

Scott Blaubach

Vice President - Technology



While there are many high end
Data Analytics presentation tools,
how can I inexpensively add
charts and graphs to my
Business Applications?

PUG Charts Demo - Without Google Charts

Logout

Customer Name Contains:

Customer Name ▲	Customer ID	Active Customer	Bill To City	Bill To State	Contact Name	Phone Number
Ac LLC	3768	Yes	Hughsonville	NY	Mara X. Harrell	(184) 097-13 ▲
Ante Vivamus LLC	3532	Yes	Hicksville	NY	Zane F. Britt	(159) 168-01
Convallis Dolor Quisque LLC	4006	Yes	Roosevelt	NY	Evan Q. Maxwell	(155) 647-99
Curabitur Sed Tortor LLC	3220	Yes	Scheggino	NM	Caldwell Q. Sampson	(188) 379-01
Donec Est Mauris LLC	3516	Yes	Orlando	FL	Zephr Y. Valencia	(146) 382-57
Dui LLC	3632	Yes	Yorba Linda	CA	Noelani O. Young	(129) 757-19
Erat LLC	3704	Yes	North Platte	NE	Cora M. Coffey	(134) 459-80
Et Netus LLC	3806	Yes	Struthers	OH	Brian T. Glover	(179) 872-77
Euismod LLC	3498	Yes	Cumberland	MD	Carlos F. Holder	(135) 791-39
Fusce Fermentum Fermentum LLC	3822	Yes	Hartford	KS	Brendan A. Doyle	(147) 124-08 ▼

Search: ▲ ▼ 29 Customers

Orders - No Google Charts (12)

Orders for Ac LLC				
Order ▲	Order Date/Time	Status	Order Total	Ship To
4795101	10/24/2023 11:24:40.000	Open	589.96	Malik Lester [Dallas, TX]
4795079	10/20/2023 14:44:01.692	Open	6,000.05	Ali Floyd [Dyke, VA]
4794984	08/18/2023 16:10:20.877	Shipped	13,810.59	Jacob Wolfe [Hughsonville, NY]
4794795	06/20/2023 12:18:27.577	Paid in Full	38,670.86	Ali Floyd [Dyke, VA]
4794533	04/21/2023 08:13:56.958	Cancelled	14,962.49	Gray Barr [Santo, TX]
Totals			140,361.70	

The screenshot shows a web browser window displaying the Google Charts interactive documentation. The browser's address bar shows the URL `developers.google.com/chart/interactive/docs/gallery`. The page features a blue navigation bar with links for Home, Guides, Reference, and Support. A left sidebar contains a 'Filter' button and a list of 'Chart Types' including Geo Chart, Annotation Charts, Area Charts, Bar Charts, Bubble Charts, Calendar Charts, Candlestick Charts, Column Charts, and Combo Charts. The main content area is titled 'Chart Gallery' and includes a breadcrumb trail: Home > Products > Charts > Guides. The text describes the gallery's focus on HTML5/SVG technology and provides a link to 'Additional Charts page'. Three chart types are highlighted with preview images: a Geo Chart showing a map of Europe, a Pie Chart with four segments, and a Column Chart with ten bars of varying heights and colors.

<https://developers.google.com/chart/interactive/docs/gallery>

PUG Charts Demo - With Google Charts

Logout

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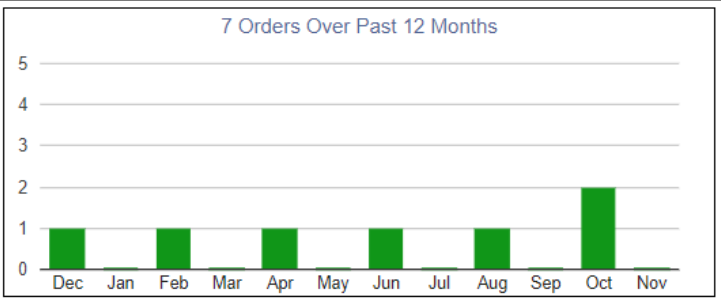
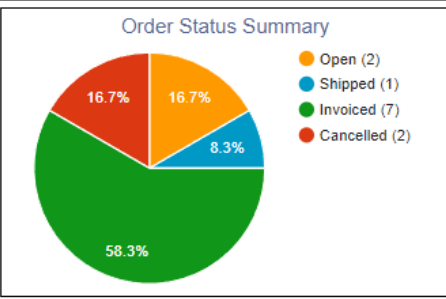
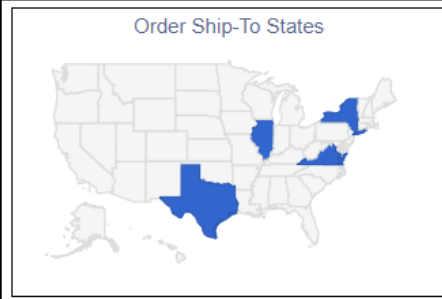
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Search: 29 Customers

New Update Delete

Exit

Google Chart Graphs **Orders - With Google Charts Tab (12)**



Customer Name Contains: LLC

- Customer
- Ac LLC
- Ante Viva
- Convallis
- Curabitu
- Donec E
- Dui LLC
- Erat LLC
- Et Netus
- Euismod
- Fusce Fe

- Number
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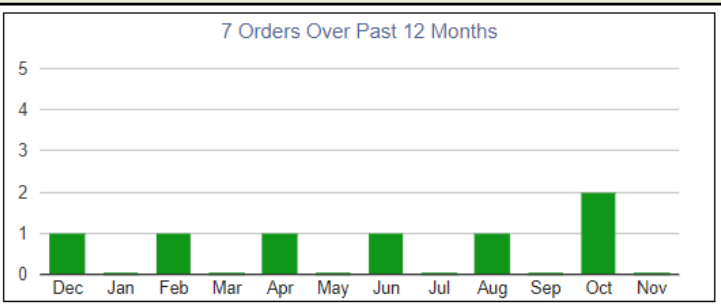
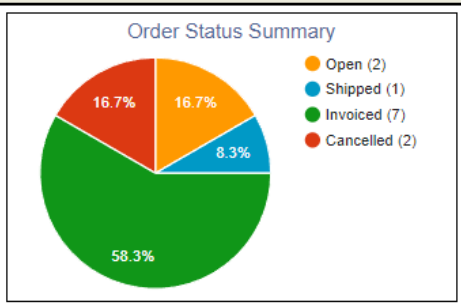
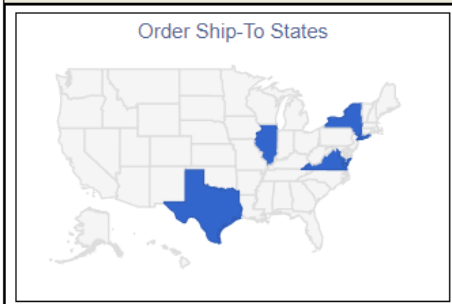
Click the PDF link below to review highlighted Google Chart code:
[Google Charts Code Example](#)

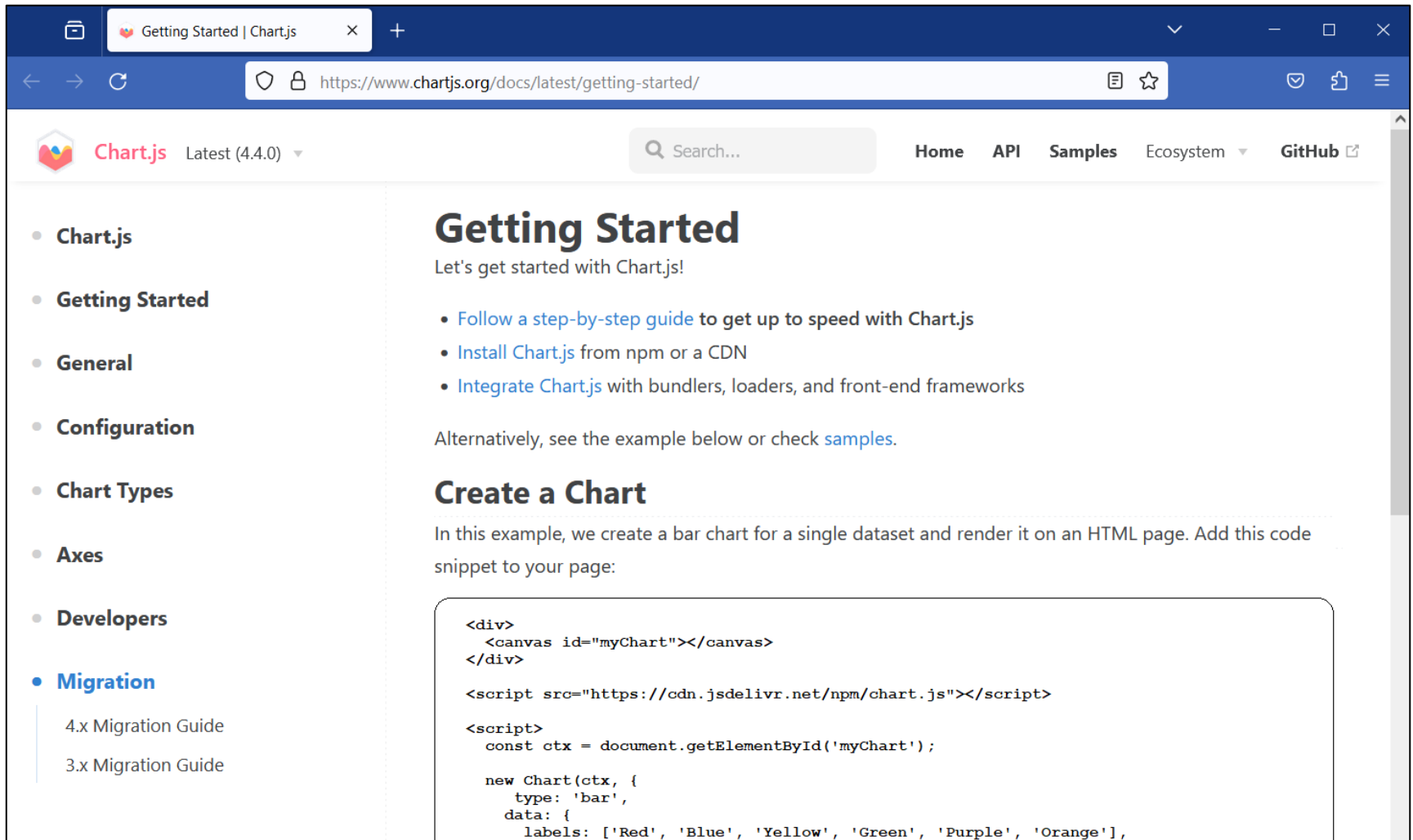
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Google Chart Graphs Orders - With Google Charts Tab (12)





The screenshot shows a web browser window with the URL <https://www.chartjs.org/docs/latest/getting-started/>. The page title is "Getting Started | Chart.js". The main content area features a navigation menu on the left with items like "Chart.js", "Getting Started", "General", "Configuration", "Chart Types", "Axes", "Developers", and "Migration". The "Getting Started" section is active, displaying a heading "Getting Started" and a sub-heading "Let's get started with Chart.js!". Below this, there are three bullet points: "Follow a step-by-step guide to get up to speed with Chart.js", "Install Chart.js from npm or a CDN", and "Integrate Chart.js with bundlers, loaders, and front-end frameworks". A paragraph follows: "Alternatively, see the example below or check [samples](#)." The "Create a Chart" section is also visible, with the text "In this example, we create a bar chart for a single dataset and render it on an HTML page. Add this code snippet to your page:". A code block contains the following HTML and JavaScript code:

```
<div>
  <canvas id="myChart"></canvas>
</div>

<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

<script>
  const ctx = document.getElementById('myChart');

  new Chart(ctx, {
    type: 'bar',
    data: {
      labels: ['Red', 'Blue', 'Yellow', 'Green', 'Purple', 'Orange'],
```

<https://www.chartjs.org/docs/latest/getting-started/>

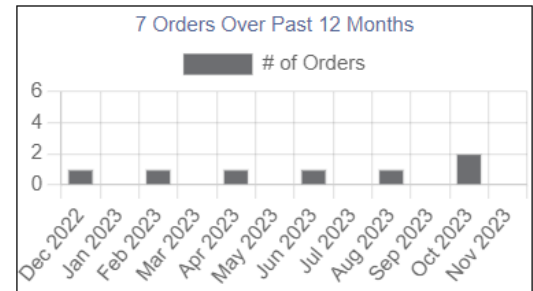
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[Chart JS Code Example](#)

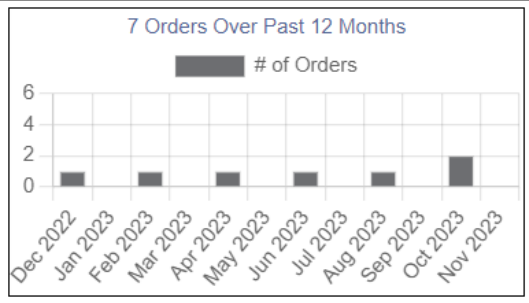
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Thank you for attending!

Questions?

ScottBlaubach@apptechnologies.com