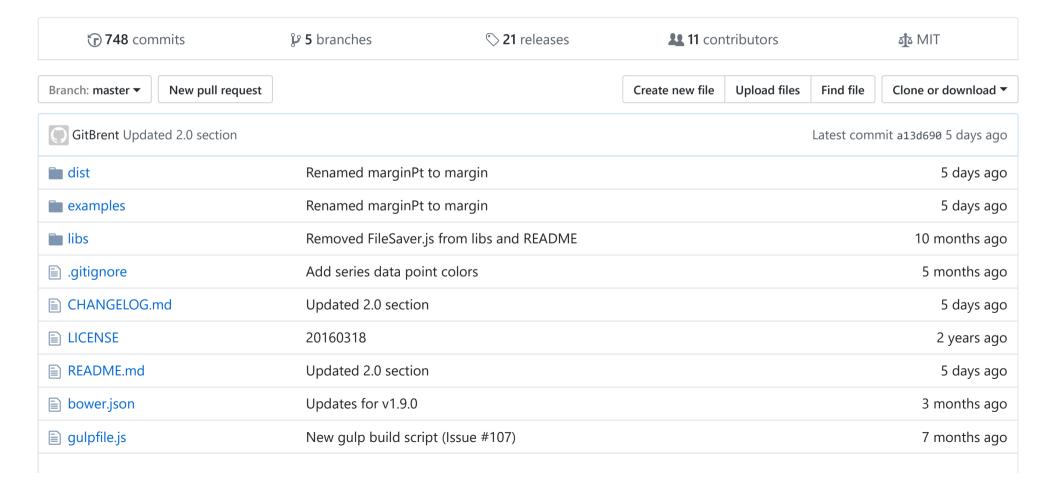
You don't have any verified emails. We recommend verifying at least one email.

Email verification helps our support team verify ownership if you lose account access and allows you to receive all the notifications you ask for.

gitbrent / PptxGenJS

JavaScript library that creates PowerPoint (pptx) presentations https://gitbrent.github.io/PptxGenJS/

#powerpoint-presentations #powerpoint #powerpoint-utilities #javascript-library #pptx #powerpoint-generation #powerpoint-library #powerpoint-javascript-library #javascript-powerpoint #powerpoint-charts #node-powerpoint #powerpoint #po



package.json
Updated version
2 months ago





PptxGenJS

JavaScript library that produces PowerPoint (pptx) presentations

Quickly and easily create PowerPoint presentations with a few simple JavaScript commands in client web browsers or Node desktop apps.

Main Features

- Widely Supported: Creates and downloads presentations on all current web browsers (Chrome, Edge, Firefox, etc.) and IE11
- Full Featured: Slides can include Charts, Images, Media, Shapes, Tables and Text (plus Master Slides/Templates)
- Easy To Use: Entire PowerPoint presentations can be created in a few lines of code
- Modern: Pure JavaScript solution everything necessary to create PowerPoint PPT exports is included

Additional Features

• Use the unique Table-to-Slides feature to copy an HTML table into 1 or more Slides with a single command

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- o All Users
- Node Users
- Unimplemented Features
- Special Thanks
- Support Us
- License

Live Demo

Use JavaScript to Create a PowerPoint presentation with your web browser right now: https://gitbrent.github.io/PptxGenJS

Installation

Client-Side

Include Local Scripts

```
<script lang="javascript" src="PptxGenJS/libs/jquery.min.js"></script>
<script lang="javascript" src="PptxGenJS/libs/jszip.min.js"></script>
<script lang="javascript" src="PptxGenJS/dist/pptxgen.js"></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></script></scri
```

IE11 support requires a Promises polyfill as well (included in the libs folder)

Include Bundled Script

```
<script lang="javascript" src="PptxGenJS/dist/pptxgen.bundle.js"></script>
```

Install With Bower

```
bower install pptxgen
```

Node.js

PptxGenJS NPM Homepage

```
npm install pptxgenjs
var pptx = require("pptxgenjs");
```

• Desktop: Compatible with Electron applications!

Presentations: Usage and Options

PptxGenJS PowerPoint presentations are created via JavaScript by following 4 basic steps:

- 1. Create a new Presentation
- 2. Add a Slide
- 3. Add one or more objects (Tables, Shapes, Images, Text and Media) to the Slide
- 4. Save the Presentation

```
var pptx = new PptxGenJS();
var slide = pptx.addNewSlide();
slide.addText('Hello World!', { x:1.5, y:1.5, font_size:18, color:'363636' });
pptx.save('Sample Presentation');
```

That's really all there is to it!

Creating a Presentation

A Presentation is a single .pptx file. When creating more than one Presentation, declare the pptx again to start with a new, empty Presentation.

Client Browser:

```
var pptx = new PptxGenJS();

Node.js:

var pptx = require("pptxgenjs");
```

Presentation Properties

There are several optional properties that can be set:

```
pptx.setAuthor('Brent Ely');
pptx.setCompany('S.T.A.R. Laboratories');
pptx.setRevision('15');
```

```
pptx.setSubject('Annual Report');
pptx.setTitle('PptxGenJS Sample Presentation');
```

Presentation Layouts

Setting the Layout (applies to all Slides in the Presentation):

```
pptx.setLayout('LAYOUT_WIDE');
```

Presentation Layout Options

Layout Name	Default	Layout Slide Size
LAYOUT_16x9	Yes	10 x 5.625 inches
LAYOUT_16x10	No	10 x 6.25 inches
LAYOUT_4x3	No	10 x 7.5 inches
LAYOUT_WIDE	No	13.3 x 7.5 inches
LAYOUT_USER	No	user defined - see below (inches)

Custom user defined Layout sizes are supported - just supply a name and the size in inches.

• Defining a new Layout using an object will also set this new size as the current Presentation Layout

```
// Defines and sets this new layout for the Presentation
pptx.setLayout({ name: 'A3', width:16.5, height:11.7 });
```

Presentation Text Direction

Right-to-Left (RTL) text is supported. Simply set the RTL mode at the Presentation-level.

```
pptx.setRTL(true);
```

Adding a Slide

Syntax:

```
var slide = pptx.addNewSlide();
```

Slide Formatting

```
slide.back = 'F1F1F1';
slide.color = '696969';
```

Slide Formatting Options

Option	Туре	Unit	Default	Description	Possible Values
bkgd	string		FFFFF	background color	hex color code or scheme color constant.
color	string		000000	default text color	hex color code or scheme color constant.

Applying Master Slides / Branding

```
// Create a new Slide that will inherit properties from a pre-defined master page (margins, logos, text, background,
var slide1 = pptx.addNewSlide('TITLE_SLIDE');

// The background color can be overridden on a per-slide basis:
var slide2 = pptx.addNewSlide('TITLE_SLIDE', {bkgd:'FFFCCC'});
```

Adding Slide Numbers

```
slide.slideNumber({ x:1.0, y:'90%' });
// Slide Numbers can be styled:
slide.slideNumber({ x:1.0, y:'90%', fontFace:'Courier', fontSize:32, color:'CF0101' });
```

Slide Number Options

Option	Туре	Unit	Default	Description	Possible Values
х	number	inches	0.3	horizontal location	0-n OR 'n%'. (Ex: {x:'10%'} places number 10% from left edge)
у	number	inches	90%	vertical location	0-n OR 'n%'. (Ex: {y:'90%'} places number 90% down the Slide)
color	string			text color	hex color code or scheme color constant. Ex: {color:'0088CC'}
fontFace	string			font face	any available font. Ex: {fontFace:Arial}
fontSize	number	points		font size	8-256. Ex: {fontSize:12}

Slide Return Value

The Slide object returns a reference to itself, so calls can be chained.

Example:

```
slide
.addImage({ path:'images/logo1.png', x:1, y:2, w:3, h:3 })
.addImage({ path:'images/logo2.jpg', x:5, y:3, w:3, h:3 })
.addImage({ path:'images/logo3.png', x:9, y:4, w:3, h:3 });
```

Saving a Presentation

Presentations require nothing more than passing a filename to save(). Node.js users have more options available examples of which can be found below.

Client Browser

• Simply provide a filename

```
pptx.save('Demo-Media');
```

Node.js

- Node can accept a callback function that will return the filename once the save is complete
- Node can also be used to stream a powerpoint file simply pass a filename that begins with "http"
- Output type can be specified by passing an optional JSZip output type

```
// Example A: File will be saved to the local working directory (`__dirname`)
pptx.save('Node_Demo');
```

```
// Example B: Inline callback function
pptx.save('Node_Demo', function(filename){ console.log('Created: '+filename); });

// Example C: Predefined callback function
pptx.save('Node_Demo', saveCallback);

// Example D: Use a filename of "http" or "https" to receive the powerpoint binary data in your callback
// (Used for streaming the presentation file via http. See the `nodejs-demo.js` file for a working example.)
pptx.save('http', streamCallback);

// Example E: Save using various JSZip output types: ['arraybuffer', 'base64', 'binarystring', 'blob', 'nodebuffer',
pptx.save('jszip', saveCallback, 'base64');
```

Saving Multiple Presentations

Client-Side:

• In order to generate a new, unique Presentation just create a new instance of the library then add objects and save as normal.

```
// Presenation 1:
var pptx = new PptxGenJS();
pptx.addNewSlide().addText('Presentation 1', {x:1, y:1});
pptx.save('PptxGenJS-Presentation-1');

// Presenation 2:
pptx = new PptxGenJS();
pptx.addNewSlide().addText('Presentation 2', {x:1, y:1});
pptx.save('PptxGenJS-Presentation-2');
```

Node.js:

- See examples/nodejs-demo.js for a working demo with multiple presentations, callbacks, streaming, etc.
- (Note: New 2.0.0 feature that breaks backwards compatibility)

```
PptxGenJS = require("pptxgenjs");

// Presenation 1:
var pptx = new PptxGenJS();
pptx.addNewSlide().addText('Presentation 1', {x:1, y:1});
pptx.save('PptxGenJS-NodePres-1');

// Presenation 2:
var pptx = new PptxGenJS();
pptx.addNewSlide().addText('Presentation 2', {x:1, y:1});
pptx.save('PptxGenJS-NodePres-2');
```

Presentations: Adding Objects

Objects on the Slide are ordered from back-to-front based upon the order they were added.

For example, if you add an Image, then a Shape, then a Textbox: the Textbox will be in front of the Shape, which is in front of the Image.

Adding Charts

```
// Syntax
slide.addChart({TYPE}, {DATA}, {OPTIONS});
```

Chart Types

- Chart type can be any one of pptx.charts
- Currently: pptx.charts.AREA, pptx.charts.BAR, pptx.charts.BUBBLE, pptx.charts.LINE, pptx.charts.SCATTER, pptx.charts.PIE, pptx.charts.DOUGHNUT

Multi-Type Charts

- Chart types can be any one of pptx.charts, although pptx.charts.AREA, pptx.charts.BAR, and pptx.charts.LINE will give the best results.
- There should be at least two chart-types. There should always be two value axes and category axes.
- Multi Charts have a different function signature than standard. There are two parameters:
- chartTypes: Array of objects, each with type, data, and options objects.
- options: Standard options as used with single charts. Can include axes options.
- Columns makes the most sense in general. Line charts cannot be rotated to match up with horizontal bars (a PowerPoint limitation).
- Can optionally have a secondary value axis.
- If there is secondary value axis, a secondary category axis is required in order to render, but currently always uses the primary labels. It is recommended to use catAxisHidden: true on the secondary category axis.
- Standard options are used, and the chart-type-options are mixed in to each.

```
// Syntax
slide.addChart({MULTI_TYPES_AND_DATA}, {OPTIONS_AND_AXES});
```

Chart Size/Formatting Options

Option Type Unit	Default Description	Possible Values
------------------	---------------------	-----------------

Option	Туре	Unit	Default	Description	Possible Values
x	number	inches	1.0	horizontal location	0-n OR 'n%'. (Ex: {x:'50%'} places object in middle of the Slide)
у	number	inches	1.0	vertical location	0-n OR 'n%'.
W	number	inches	50%	width	0-n OR 'n%'. (Ex: {w:'50%'} will make object 50% width of the Slide)
h	number	inches	50%	height	0-n OR 'n%'.
border	object			chart border	<pre>object with pt and color values. Ex: border:{pt:'1', color:'f1f1f1'}</pre>
chartColors	array			data colors	array of hex color codes. Ex: ['0088CC','FFCC00']
chartColorsOpacity	number	percent	100	data color opacity percent	1-100. Ex: { chartColorsOpacity:50 }
fill	string			fill/background color	hex color code. Ex: { fill:'0088CC'}
holeSize	number	percent	50	doughnut hole size	1-100. Ex: { holeSize:50 }
invertedColors	array			data colors for negative numbers	array of hex color codes. Ex: ['0088CC','FFCC00']

Option	Туре	Unit	Default	Description	Possible Values
legendFontSize	number	points	10	legend font size	1-256. Ex: { legendFontSize: 13 }
legendColor	string		000000	legend text color	<pre>hex color code. Ex: { legendColor: '0088CC' }</pre>
legendPos	string		r	chart legend position	b (bottom), tr (top-right), 1 (left), r (right), t (top)
layout	object			positioning plot within chart area	object with x, y, w and h props, all in range 0-1 (proportionally related to the chart size). Ex: {x: 0, y: 0, w: 1, h: 1} fully expands chart within the plot area
showDataTable	boolean		false	show Data Table under the chart	true or false (Not available for Pie/Doughnut charts)
showDataTableKeys	boolean		true	show Data Table Keys (color blocks)	true or false (Not available for Pie/Doughnut charts)
showDataTableHorzBorder	boolean		true	show Data Table horizontal borders	true or false (Not available for Pie/Doughnut charts)

Option	Туре	Unit	Default	Description	Possible Values
showDataTableVertBorder	boolean		true	show Data Table vertical borders	true or false (Not available for Pie/Doughnut charts)
showDataTableOutline	boolean		true	show Data Table table outline	true or false (Not available for Pie/Doughnut charts)
showLabel	boolean		false	show data labels	true Or false
showLegend	boolean		false	show chart legend	true Or false
showPercent	boolean		false	show data percent	true Or false
showTitle	boolean		false	show chart title	true Or false
showValue	boolean		false	show data values	true Or false
title	string			chart title	a string. Ex: { title:'Sales by Region' }
titleAlign	string		center	chart title text align	<pre>left center Or right Ex: { titleAlign:'left' }</pre>
titleColor	string		000000	title color	hex color code. Ex: { titleColor:'0088CC' }

Option	Туре	Unit	Default	Description	Possible Values
titleFontFace	string		Arial	font face	<pre>font name. Ex: { titleFontFace:'Arial' }</pre>
titleFontSize	number	points	18	font size	1-256.Ex: { titleFontSize:12 }
titlePos	object			title position	object with x and y values. Ex: { titlePos:{x: 0, y: 10} }
titleRotate	integer	degrees		title rotation degrees	0-360. Ex: { titleRotate:45 }

Chart Axis Options

Option	Туре	Unit	Default	Description	Possible Values
axisLineColor	string		000000	cat/val axis line color	<pre>hex color code. Ex: { axisLineColor:'0088CC' }</pre>
catAxisBaseTimeUnit	string			category- axis base time unit	days months Or years
catAxisHidden	boolean		false	hide category- axis	true Or false
catAxisLabelColor	string		000000	category- axis color	hex color code. Ex: { catAxisLabelColor:'0088CC' }

Option	Туре	Unit	Default	Description	Possible Values
catAxisLabelFontFace	string		Arial	category- axis font face	<pre>font name. Ex: { titleFontFace:'Arial' }</pre>
catAxisLabelFontSize	integer	points	18	category- axis font size	1-256. Ex: { titleFontSize:12 }
catAxisLabelFrequency	integer			PPT "Interval Between Labels"	1-n.Ex: { catAxisLabelFrequency: 2 }
catAxisLabelPos	string	string	nextTo	axis label position	<pre>low, high, Or nextTo . Ex: { catAxisLabelPos: 'low' }</pre>
catAxisLineShow	boolean		true	show/hide category- axis line	true Or false
catAxisMajorTimeUnit	string			category- axis major time unit	days months Or years
catAxisMinorTimeUnit	string			category- axis minor time unit	days months Or years

Option	Туре	Unit	Default	Description	Possible Values
catAxisMajorUnit	integer			category- axis major unit	Positive integer. Ex: { catAxisMajorUnit:12 }
catAxisMinorUnit	integer			category- axis minor unit	Positive integer. Ex: { catAxisMinorUnit:1 }
catAxisOrientation	string		minMax	category- axis orientation	maxMin (high->low) or minMax (low->high)
catAxisTitle	string		Axis Title	axis title	a string. Ex: { catAxisTitle:'Regions' }
catAxisTitleColor	string		000000	title color	hex color code. Ex: { catAxisTitleColor:'0088CC' }
catAxisTitleFontFace	string		Arial	font face	<pre>font name. Ex: { catAxisTitleFontFace:'Arial' }</pre>
catAxisTitleFontSize	integer	points		font size	1-256. Ex: { catAxisTitleFontSize:12 }
catAxisTitleRotate	integer	degrees		title rotation degrees	O-360. Ex: { catAxisTitleRotate:45 }
catGridLine	object		none	category grid line style	object with properties size (pt), color and style ('solid', 'dash' or 'dot') or 'none' to hide

Option	Туре	Unit	Default	Description	Possible Values
showCatAxisTitle	boolean		false	show category (vert) title	<pre>true Or false.Ex:{ showCatAxisTitle:true }</pre>
showValAxisTitle	boolean		false	show values (horiz) title	<pre>true Or false.Ex:{ showValAxisTitle:true }</pre>
valAxisHidden	boolean		false	hide value- axis	true Or false
valAxisLabelColor	string		000000	value-axis color	hex color code. Ex: { valAxisLabelColor:'0088CC' }
valAxisLabelFontFace	string		Arial	value-axis font face	<pre>font name. Ex: { titleFontFace:'Arial' }</pre>
valAxisLabelFontSize	integer	points	18	value-axis font size	1-256. Ex: { titleFontSize:12 }
valAxisLabelFormatCode	string		General	value-axis number format	format string. Ex: { axisLabelFormatCode: '#,##0' } MicroSoft Number Format Codes
valAxisLineShow	boolean		true	show/hide value-axis line	true Or false
valAxisMajorUnit	number		1.0	value-axis tick steps	Float or whole number. Ex: { majorUnit:0.2 }

Option	Туре	Unit	Default	Description	Possible Values
valAxisMaxVal	number			value-axis maximum value	1-N. Ex: { valAxisMaxVal:125 }
valAxisMinVal	number			value-axis minimum value	1-N.Ex: { valAxisMinVal: -10 }
valAxisOrientation	string		minMax	value-axis orientation	maxMin (high->low) or minMax (low->high)
valAxisTitle	string		Axis Title	axis title	a string. Ex: { valAxisTitle:'Sales (USD)' }
valAxisTitleColor	string		000000	title color	hex color code. Ex: { valAxisTitleColor:'0088CC' }
valAxisTitleFontFace	string		Arial	font face	<pre>font name. Ex: { valAxisTitleFontFace: 'Arial' }</pre>
valAxisTitleFontSize	number	points		font size	1-256. Ex: { valAxisTitleFontSize:12 }
valAxisTitleRotate	integer	degrees		title rotation degrees	O-360. Ex: { valAxisTitleRotate:45 }
valGridLine	object			value grid line style	object with properties size (pt), color and style ('solid', 'dash' or 'dot') or 'none' to hide

Chart Data Options

Option	Туре	Unit	Default	Description	Possible Values
barDir	string		col	bar direction	(Bar Chart) bar (horizontal) or col (ver {barDir:'bar'}
barGapWidthPct	number	percent	150	width % between bar groups	(Bar Chart) 0-999. Ex: { barGapWidthPct:
barGrouping	string		clustered	bar grouping	(Bar Chart) clustered Or stacked Or percentStacked.
dataBorder	object			data border	object with pt and color values. Ex: b {pt:'1', color:'f1f1f1'}
dataLabelColor	string		000000	data label color	hex color code. Ex: { dataLabelColor:'0
dataLabelFormatCode	string			format to show data value	format string. Ex: { dataLabelFormatCode MicroSoft Number Format Codes
dataLabelFontFace	string		Arial	value-axis font face	font name. Ex: { titleFontFace:'Arial'
dataLabelFontSize	number	points	18	value-axis font size	1-256. Ex: { titleFontSize:12 }
dataLabelPosition	string		bestFit	data label position	bestFit , b , ctr , inBase , inEnd , l , out

Option	Туре	Unit	Default	Description	Possible Values
dataNoEffects	boolean		false	whether to omit effects on data	(Doughnut/Pie Charts) true Or false
gridLineColor	string		000000	grid line color	hex color code. Ex: { gridLineColor:'00
lineDataSymbol	string		circle	symbol used on line marker	circle , dash , diamond , dot , none , squa
lineDataSymbolSize	number	points	6	size of line data symbol	1-256. Ex: { lineDataSymbolSize:12 }
lineDataSymbolLineSize	number	points	0.75	size of data symbol outline	1-256. Ex: { lineDataSymbolLineSize:12
lineDataSymbolLineColor	number	points	0.75	size of data symbol outline	1-256. Ex: { lineDataSymbolLineSize:12
lineSize	number	points	2	thickness of data line (0 is no line)	0-256.Ex: { lineSize: 1 }

Option	Туре	Unit	Default	Description	Possible Values
lineSmooth	boolean		false	whether to smooth lines	true Or false
shadow	object			data element shadow options	'none' or shadow options
valueBarColors	boolean		false	forces chartColors on multi- data-series	true Or false

Chart Element Shadow Options

Option	Туре	Unit	Default	Description	Possible Values
type	string		outer	shadow type	outer Or inner.Ex: { type:'outer' }
angle	number	degrees	90	shadow angle	0-359. Ex: { angle:90 }
blur	number	points	3	blur size	1-256. Ex: { blur:3 }
color	string		000000	shadow color	hex color code. Ex: { color:'0088CC' }
offset	number	points	1.8	offset size	1-256. Ex: { offset:2 }
opacity	number	percent	0.35	opacity	O-1. Ex: { opacity:0.35 }

Chart Multi-Type Options

Option	Туре	Default	Description	Possible Values
catAxes	array		array of two axis options objects	See example below
secondaryCatAxis	boolean	false	If data should use secondary category axis (or primary)	true Or false
secondaryValAxis	boolean	false	If data should use secondary value axis (or primary)	true Or false
valAxes	array		array of two axis options objects	See example below

Chart Examples

```
1;
slide.addChart( pptx.charts.BAR, dataChartBar, { x:1.0, y:1.0, w:12, h:6 } );
// Chart Type: AREA
// Chart Type: LINE
var dataChartAreaLine = [
    name : 'Actual Sales',
   labels: ['Jan','Feb','Mar','Apr','May','Jun','Jul','Aug','Sep','Oct','Nov','Dec'],
    values: [1500, 4600, 5156, 3167, 8510, 8009, 6006, 7855, 12102, 12789, 10123, 15121]
  },
    name : 'Projected Sales',
   labels: ['Jan','Feb','Mar','Apr','May','Jun','Jul','Aug','Sep','Oct','Nov','Dec'],
    values: [1000, 2600, 3456, 4567, 5010, 6009, 7006, 8855, 9102, 10789, 11123, 12121]
1;
slide.addChart( pptx.charts.AREA, dataChartAreaLine, { x:1.0, y:1.0, w:12, h:6 } );
slide.addChart( pptx.charts.LINE, dataChartAreaLine, { x:1.0, y:1.0, w:12, h:6 } );
// Chart Type: PIE
var dataChartPie = [
 { name: 'Location', labels: ['DE', 'GB', 'MX', 'JP', 'IN', 'US'], values: [35,40,85,88,99,101] }
1;
slide.addChart( pptx.charts.PIE, dataChartPie, { x:1.0, y:1.0, w:6, h:6 } );
// Chart Type: XY SCATTER
var dataChartScatter = [
        { name: 'X-Axis',
                           values:[1,2,3,4,5,6,7,8,9,10]},
        { name: 'Y-Value 1', values: [13, 20, 21, 25] },
        { name: 'Y-Value 2', values: [21, 22, 25, 49] }
1;
slide.addChart( pptx.charts.SCATTER, dataChartScatter, { x:1.0, y:1.0, w:6, h:4 } );
// Chart Type: BUBBLE
var dataChartBubble = [
        { name: 'X-Axis', values: [1, 2, 3, 4, 5, 6] },
```

```
{ name: 'Airplane', values: [33, 20, 51, 65, 71, 75], sizes: [10,10,12,12,15,20] },
        { name: 'Train',
                          values:[99, 88, 77, 89, 99, 99], sizes:[20,20,22,22,25,30] },
        { name: 'Bus',
                         values:[21, 22, 25, 49, 59, 69], sizes:[11,11,13,13,16,21] }
];
slide.addChart( pptx.charts.BUBBLE, dataChartBubble, { x:1.0, y:1.0, w:6, h:4 } );
// Chart Type: Multi-Type
// NOTE: use the same labels for all types
var labels = ['Q1', 'Q2', 'Q3', 'Q4', 'OT'];
var chartTypes = [
  {
    type: pptx.charts.BAR,
    data: [{
      name: 'Projected',
     labels: labels,
     values: [17, 26, 53, 10, 4]
    }],
    options: { barDir: 'col' }
  },
    type: pptx.charts.LINE,
    data: [{
     name: 'Current',
     labels: labels,
      values: [5, 3, 2, 4, 7]
    }],
    options: {
     // NOTE: both are required, when using a secondary axis:
      secondaryValAxis: true,
      secondaryCatAxis: true
  }
1;
var multiOpts = {
  x:1.0, y:1.0, w:6, h:6,
  showLegend: false,
  valAxisMaxVal: 100,
```

```
valAxisMinVal: 0,
 valAxisMajorUnit: 20,
  valAxes:[
      showValAxisTitle: true,
      valAxisTitle: 'Primary Value Axis'
    },
      showValAxisTitle: true,
      valAxisTitle: 'Secondary Value Axis',
      valAxisMajorUnit: 1,
      valAxisMaxVal: 10,
      valAxisMinVal: 1,
      valGridLine: 'none'
  ],
  catAxes: [{ catAxisTitle: 'Primary Category Axis' }, { catAxisHidden: true }]
};
slide.addChart(chartTypes, multiOpts);
pptx.save('Demo-Chart');
```

Adding Text

```
// Syntax
slide.addText('TEXT', {OPTIONS});
slide.addText('Line 1\nLine 2', {OPTIONS});
slide.addText([ {text:'TEXT', options:{OPTIONS}} ]);
```

Text Options

Option	Туре	Unit	Default	Description	Possible Values
x	number	inches	1.0	horizontal location	0-n OR 'n%'. (Ex: {x:'50%'} will place object in the middle of the Slide)
у	number	inches	1.0	vertical location	0-n OR 'n%'.
W	number	inches		width	0-n OR 'n%'. (Ex: {w:'50%'} will make object 50% width of the Slide)
h	number	inches		height	0-n OR 'n%'.
align	string		left	alignment	left Or center Or right
autoFit	boolean		false	"Fit to Shape"	true Or false
bold	boolean		false	bold text	true Or false
breakLine	boolean		false	appends a line break	<pre>true or false (only applies when used in text options) Ex: {text:'hi', options: {breakLine:true}}</pre>
bullet	boolean		false	bulleted text	true Or false
bullet	object			bullet options (number type or choose any unicode char)	<pre>object with type or code.Ex: bullet: {type:'number'}.Ex: bullet: {code:'2605'}</pre>
color	string			text color	hex color code or scheme color constant. Ex: { color:'0088CC' }
fill	string			fill/bkgd color	hex color code or scheme color constant. Ex: { color:'0088CC' }

Option	Туре	Unit	Default	Description	Possible Values
fontFace	string			font face	<pre>Ex: { fontFace:'Arial'}</pre>
font_size	number	points		font size	1-256. Ex: { font_size:12 }
hyperlink	string			add hyperlink	<pre>object with url or slide (tooltip optional). Ex: { hyperlink: {url:'https://github.com'} }</pre>
indentLevel	number	level	0	bullet indent level	1-32. Ex: { indentLevel:1 }
inset	number	inches		inset/padding	1-256.Ex: { inset:1.25 }
isTextBox	boolean		false	PPT "Textbox"	true Or false
italic	boolean		false	italic text	true Or false
lang	string		en-US	language setting	Ex: { lang: 'zh-TW' } (Set this when using non-English fonts like Chinese)
lineSpacing	number	points		line spacing points	1-256. Ex: { lineSpacing:28 }
margin	number	points		margin	0-99 (ProTip: use the same value from CSS padding)
rectRadius	number	inches		rounding radius	rounding radius for ROUNDED_RECTANGLE text shapes
rotate	integer	degrees	0	text rotation degrees	0-360. Ex: {rotate:180}
rtlMode	boolean		false	enable Right-to-Left mode	true Or false

Option	Туре	Unit	Default	Description	Possible Values
shadow	object			text shadow options	<pre>see options below. Ex: shadow:{ type:'outer' }</pre>
strike	boolean		false	text strikethrough	true Or false
subscript	boolean		false	subscript text	true Or false
superscript	boolean		false	superscript text	true Or false
underline	boolean		false	underline text	true Or false
valign	string			vertical alignment	top Or middle Or bottom
vert	string		horz	text direction	eaVert Or horz Or mongolianVert Or vert Or vert270 Or wordArtVert Or wordArtVertRtl

Text Shadow Options

Option	Туре	Unit	Default	Description	Possible Values
type	string		outer	shadow type	outer Or inner
angle	number	degrees		shadow angle	0-359. Ex: { angle:180 }
blur	number	points		blur size	1-256. Ex: { blur:3 }
color	string			text color	hex color code or scheme color constant. Ex: { color:'0088CC' }

Option	Туре	Unit	Default	Description	Possible Values
offset	number	points		offset size	1-256. Ex: { offset:8 }
opacity	number	percent		opacity	O-1. Ex: opacity:0.75

Text Examples

```
var pptx = new PptxGenJS();
var slide = pptx.addNewSlide();
// EX: Dynamic location using percentages
slide.addText('^ (50%/50%)', {x:'50%', y:'50%'});
// EX: Basic formatting
slide.addText('Hello', { x:0.5, y:0.7, w:3, color:'0000FF', font size:64 });
slide.addText('World!', { x:2.7, y:1.0, w:5, color:'DDDD00', font size:90 });
// EX: More formatting options
slide.addText(
    'Arial, 32pt, green, bold, underline, 0 inset',
    { x:0.5, y:5.0, w:'90%', margin:0.5, fontFace:'Arial', font size:32, color:'00CC00', bold:true, underline:true, i
);
// EX: Format some text
slide.addText('Hello World!', { x:2, y:4, fontFace:'Arial', font size:42, color:'00CC00', bold:true, italic:true, unc
// EX: Multiline Text / Line Breaks - use "\n" to create line breaks inside text strings
slide.addText('Line 1\nLine 2\nLine 3', { x:2, y:3, color:'DDDD00', font size:90 });
// EX: Format individual words or lines by passing an array of text objects with `text` and `options`
slide.addText(
        { text:'word-level', options:{ font size:36, color:'99ABCC', align:'r', breakLine:true } },
        { text:'formatting', options:{ font_size:48, color:'FFFF00', align:'c' } }
```

```
],
    { x:0.5, v:4.1, w:8.5, h:2.0, fill: 'F1F1F1' }
);
// EX: Bullets
slide.addText('Regular, black circle bullet', { x:8.0, y:1.4, w:'30%', h:0.5, bullet:true });
// Use line-break character to bullet multiple lines
slide.addText('Line 1\nLine 2\nLine 3', { x:8.0, y:2.4, w:'30%', h:1, fill:'F2F2F2', bullet:{type:'number'} });
// Bullets can also be applied on a per-line level
slide.addText(
        { text:'I have a star bullet' , options:{bullet:{code:'2605'}, color:'CC0000'} },
        { text: 'I have a triangle bullet', options: {bullet: {code: '25BA'}, color: '00CD00'} },
        { text: 'no bullets on this line', options: {font size:12} },
        { text:'I have a normal bullet' , options:{bullet:true, color:'0000AB'} }
    ٦,
    { x:8.0, y:5.0, w:'30%', h:1.4, color:'ABABAB', margin:1 }
);
// EX: Hyperlink: Web
slide.addText(
    [{
        text: 'PptxGenJS Project',
        options: { hyperlink:{ url:'https://github.com/gitbrent/pptxgenjs', tooltip:'Visit Homepage' } }
    }],
    \{ x:1.0, y:1.0, w:5, h:1 \}
);
// EX: Hyperlink: Slide in Presentation
slide.addText(
    [{
        text: 'Slide #2',
        options: { hyperlink:{ slide:'2', tooltip:'Go to Summary Slide' } }
    }],
    \{ x:1.0, y:2.5, w:5, h:1 \}
);
// EX: Drop/Outer Shadow
```

Adding Tables

Syntax:

```
slide.addTable( [rows] );
slide.addTable( [rows], {any Layout/Formatting OPTIONS} );
```

Table Layout Options

Option	Туре	Unit	Default	Description	Possible Values
х	number	inches	1.0	horizontal location	0-n OR 'n%'. (Ex: $\{x: '50\%'\}$ will place object in the middle of the Slide)
у	number	inches	1.0	vertical location	0-n OR 'n%'.
W	number	inches		width	0-n OR 'n%'. (Ex: {w:'50%'} will make object 50% width of the Slide)
h	number	inches		height	0-n OR 'n%'.
colW	integer	inches		width for every column	Ex: Width for every column in table (uniform) 2.0
colW	array	inches		column widths in order	Ex: Width for each of 5 columns [1.0, 2.0, 2.5, 1.5, 1.0]
rowH	integer	inches		height for every row	Ex: Height for every row in table (uniform) 2.0
rowH	array	inches		row heights in order	Ex: Height for each of 5 rows [1.0, 2.0, 2.5, 1.5, 1.0]

Table Auto-Paging Options

Option	Туре	Default	Description	Possible Values
autoPage	boolean	true	auto-page table	<pre>true Or false.Ex: {autoPage:false}</pre>
lineWeight	float	0	line weight value	-1.0 to 1.0. Ex: {lineWeight:0.5}

Option	Туре	Default	Description	Possible Values
newPageStartY	number/string		starting y value for tables on new Slides	<pre>0-n OR 'n%'. Ex: {newPageStartY:0.5}</pre>

Option Details:

- autoPage: allows the auto-paging functionality (as table rows overflow the Slide, new Slides will be added) to be disabled.
- lineWeight: adjusts the calculated height of lines. If too much empty space is left under each table, then increase lineWeight value. Conversely, if the tables are overflowing the bottom of the Slides, then reduce the lineWeight value. Also helpful when using some fonts that do not have the usual golden ratio.
- newPageStartY: provides the ability to specify where new tables will be placed on new Slides. For example, you may place a table halfway down a Slide, but you wouldn't that to be the starting location for subsequent tables. Use this option to ensure there is no wasted space and to guarantee a professional look.

Table Auto-Paging Notes

- New slides will be created as tables overflow. The table will start at either <code>newPageStartY</code> (if present) or the Slide's top <code>margin</code>.
- Tables will retain their existing x, w, and colw values as they are rendered onto subsequent Slides.
- Auto-paging is not an exact science! Try using different lineWeight and Slide margin values if your tables are
 overflowing the Slide.
- There are many examples of auto-paging in the examples folder.

Table Formatting Options

Option	Туре	Unit	Default	Description	Possible Values
align	string		left	alignment	left Or center Or right (Or l c r)

Option	Туре	Unit	Default	Description	Possible Values
bold	boolean		false	bold text	true Or false
border	object			cell border	object with pt and color values. Ex: {pt:'1', color:'f1f1f1'}
border	array			cell border	array of objects with pt and color values in TRBL order.
color	string			text color	hex color code or scheme color constant. Ex: {color:'0088CC'}
colspan	integer			column span	2-n. Ex: {colspan:2}
fill	string			fill/bkgd color	hex color code or scheme color constant. Ex: {color:'0088CC'}
fontFace	string			font face	<pre>Ex: {fontFace:'Arial'}</pre>
font_size	number	points		font size	1-256. Ex: {font_size:12}
italic	boolean		false	italic text	true Or false
margin	number	points		margin	0-99 (ProTip: use the same value from CSS padding)
margin	array	points		margin	array of integer values in TRBL order. Ex: margin: [5,10,5,10]
rowspan	integer			row span	2-n. Ex: {rowspan:2}
underline	boolean		false	underline text	true Or false
valign	string			vertical alignment	top Or middle Or bottom (Or t m b)

Table Formatting Notes

- Formatting Options passed to slide.addTable() apply to every cell in the table
- You can selectively override formatting at a cell-level providing any Formatting Option in the cell options

Table Cell Formatting

- Table cells can be either a plain text string or an object with text and options properties
- When using an object, any of the formatting options above can be passed in options and will apply to that cell only
- Cell borders can be removed (aka: borderless table) by passing a 'none' (Ex: border: 'none')

Bullets and word-level formatting are supported inside table cells. Passing an array of objects with text/options values as the text value allows fine-grained control over the text inside cells.

- Available formatting options are here: Text Options
- See below for examples or view the examples/pptxgenjs-demo.html page for lots more

Table Cell Formatting Examples

```
// NOTE: An array of text/options objects provides fine-grained control over formatting
var arrObjText = [
    { text:'Red ', options:{color:'FF0000'} },
    { text:'Green ', options:{color:'00FF00'} },
    { text:'Blue', options:{color:'0000FF'} }
];

// EX A: Pass an array of text objects to `addText()`
slide.addText( arrObjText, { x:0.5, y:2.75, w:9, h:2, margin:0.1, fill:'232323' } );

// EX B: Pass the same objects as a cell's `text` value
var arrTabRows = [
    { text:'Cell 1 A', options:{fontFace:'Arial' } },
    { text: 'Cell 1 B', options:{fontFace:'Courier'} },
    { text: arrObjText, options:{fill:'232323'} }
]
];
slide.addTable( arrTabRows, { x:0.5, y:5, w:9, h:2, colW:[1.5,1.5,6] } );
```

Table Examples

```
var pptx = new PptxGenJS();
var slide = pptx.addNewSlide();
slide.addText('Demo-03: Table', { x:0.5, y:0.25, font_size:18, fontFace:'Arial', color:'0088CC' });

// TABLE 1: Single-row table
// ------
var rows = [ 'Cell 1', 'Cell 2', 'Cell 3' ];
var tabOpts = { x:0.5, y:1.0, w:9.0, fill:'F7F7F7', font_size:14, color:'363636' };
slide.addTable( rows, tabOpts );

// TABLE 2: Multi-row table (each rows array element is an array of cells)
// ------
var rows = [
    ['A1', 'B1', 'C1'],
```

```
['A2', 'B2', 'C2']
];
var tabOpts = { x:0.5, y:2.0, w:9.0, fill:'F7F7F7', font_size:18, color:'6f9fc9' };
slide.addTable( rows, tabOpts );
// TABLE 3: Formatting at a cell level - use this to selectively override table's cell options
// -----
var rows = [
        { text:'Top Lft', options:{ valign:'t', align:'l', fontFace:'Arial' } },
        { text: 'Top Ctr', options: { valign: 't', align: 'c', fontFace: 'Verdana' } },
        { text: 'Top Rgt', options: { valign: 't', align: 'r', fontFace: 'Courier' } }
    1,
];
var tabOpts = { x:0.5, y:4.5, w:9.0, rowH:0.6, fill:'F7F7F7', font size:18, color:'6f9fc9', valign:'m'} };
slide.addTable( rows, tabOpts );
// Multiline Text / Line Breaks - use either "\r" or "\n"
slide.addTable( ['Line 1\nLine 2\nLine 3'], { x:2, y:3, w:4 });
pptx.save('Demo-Tables');
```

Adding Shapes

```
Syntax (no text):
    slide.addShape({SHAPE}, {OPTIONS});

Syntax (with text):
    slide.addText("some string", {SHAPE, OPTIONS});
```

Check the pptxgen.shapes.js file for a complete list of the hundreds of PowerPoint shapes available.

Shape Options

Option	Туре	Unit	Default	Description	Possible Values
х	number	inches	1.0	horizontal location	0-n OR 'n%'. (Ex: {x:'50%'} will place object in the middle of the Slide)
У	number	inches	1.0	vertical location	0-n OR 'n%'.
W	number	inches		width	0-n OR 'n%'. (Ex: {w:'50%'} will make object 50% width of the Slide)
h	number	inches		height	0-n OR 'n%'.
align	string		left	alignment	left Or center Or right
fill	string			fill/bkgd color	hex color code or scheme color constant. Ex: {color:'0088CC'}
fill	object			fill/bkgd color	<pre>object with type, color, alpha (opt). Ex: fill: {type:'solid', color:'0088CC', alpha:25}</pre>
flipH	boolean			flip Horizontal	true Or false
flipV	boolean			flip Vertical	true Or false
line	string			border line color	hex color code or scheme color constant. Ex: {line:'0088CC'}

Option	Туре	Unit	Default	Description	Possible Values
lineDash	string		solid	border line dash style	<pre>dash, dashDot, lgDash, lgDashDot, lgDashDotDot, solid, sysDash Or sysDot</pre>
line_head	string			border line ending	arrow, diamond, oval, stealth, triangle Or none
lineSize	number	points		border line size	1-256. Ex: {lineSize:4}
line_tail	string			border line heading	arrow, diamond, oval, stealth, triangle Or none
rectRadius	number	inches		rounding radius	rounding radius for ROUNDED_RECTANGLE text shapes
rotate	integer	degrees		rotation degrees	0-360. Ex: {rotate:180}

Shape Examples

Adding Images

Syntax:

```
slide.addImage({OPTIONS});
```

Animated GIFs can be included in Presentations in one of two ways:

- Using Node.js: use either data or path options (Node can encode any image into base64)
- Client Browsers: pre-encode the gif and add it using the data option (encoding images into GIFs is beyond any current browser)

Image Options

Option	Туре	Unit	Default	Description	Possible Values
х	number	inches	1.0	horizontal location	0-n

Option	Туре	Unit	Default	Description	Possible Values
у	number	inches	1.0	vertical location	0-n
W	number	inches	1.0	width	0-n
h	number	inches	1.0	height	0-n
data	string			image data (base64)	base64-encoded image string. (either data or path is required)
hyperlink	string			add hyperlink	<pre>object with url or slide (tooltip optional). Ex: { hyperlink:{url:'https://github.com'} }</pre>
path	string			image path	Same as used in an (img src="") tag. (either data or path is required)
sizing	object			transforms image	See Image Sizing

NOTES

- SVG images are not currently supported in PowerPoint or PowerPoint Online (even when encoded into base64).

 PptxGenJS does properly encode and include SVG images, so they will begin showing once Microsoft adds support for this image type.
- Using path to add remote images (images from a different server) is not currently supported.

Deprecation Warning Old positional parameters (e.g.: slide.addImage('images/chart.png', 1, 1, 6, 3)) are now deprecated as of 1.1.0

Image Examples

```
var pptx = new PptxGenJS();
var slide = pptx.addNewSlide();
// Image by path
slide.addImage({ path:'images/chart world peace near.png', x:1.0, y:1.0, w:8.0, h:4.0 });
// Image by data (base64-encoding)
slide.addImage({ data:'image/png;base64,iVtDafDrBF[...]=', x:3.0, y:5.0, w:6.0, h:3.0 });
// NOTE: Slide API calls return the same slide, so you can chain calls:
slide.addImage({ path:'images/cc license comp chart.png', x:6.6, y:0.75, w:6.30, h:3.70 })
    // Image with Hyperlink
slide.addImage({
 x:1.0, y:1.0, w:8.0, h:4.0,
 hyperlink:{ url:'https://github.com/gitbrent/pptxgenjs', tooltip:'Visit Homepage' },
 path:'images/chart world peace near.png',
});
pptx.save('Demo-Images');
```

Image Sizing

The sizing option provides cropping and scaling an image to a specified area. The property expects an object with the following structure:

Property	Туре	Unit	Default	Description	Possible Values
type	string			sizing algorithm	'crop', 'contain' Or 'cover'

Property	Туре	Unit	Default	Description	Possible Values
W	number	inches	w of the image	area width	0-n
h	number	inches	h of the image	area height	0-n
x	number	inches	0	area horizontal position related to the image	0-n (effective for crop only)
У	number	inches	0	area vertical position related to the image	0-n (effective for crop only)

Particular type values behave as follows:

- contain works as CSS property background-size shrinks the image (ratio preserved) to the area given by w and h so that the image is completely visible. If the area's ratio differs from the image ratio, an empty space will surround the image.
- cover works as CSS property background-size shrinks the image (ratio preserved) to the area given by w and h so that the area is completely filled. If the area's ratio differs from the image ratio, the image is centered to the area and cropped.
- crop cuts off a part specified by image-related coordinates x, y and size w, h.

NOTES:

- If you specify an area size larger than the image for the contain and cover type, then the image will be stretched, not shrunken.
- In case of the crop option, if the specified area reaches out of the image, then the covered empty space will be a part of the image.

• When the sizing property is used, its w and h values represent the effective image size. For example, in the following snippet, width and height of the image will both equal to 2 inches and its top-left corner will be located at [1 inch, 1 inch]:

```
slide.addImage({
  path: '...',
  w: 4,
  h: 3,
  x: 1,
  y: 1,
  sizing: {
    type: 'contain',
    w: 2,
    h: 2
  }
});
```

Adding Media (Audio/Video/YouTube)

Syntax:

```
slide.addMedia({OPTIONS});
```

Both Video (mpg, mov, mp4, m4v, etc.) and Audio (mp3, wav, etc.) are supported (list of supported formats)

- Using Node.js: use either data or path options (Node can encode any media into base64)
- Client Browsers: pre-encode the media and add it using the data option (encoding video/audio is beyond any current browser)

Online video (YouTube embeds, etc.) is supported in both client browser and in Node.js

Media Options

Option	Туре	Unit	Default	Description	Possible Values
x	number	inches	1.0	horizontal location	0-n
у	number	inches	1.0	vertical location	0-n
W	number	inches	1.0	width	0-n
h	number	inches	1.0	height	0-n
data	string			media data (base64)	base64-encoded string
path	string			media path	relative path to media file
link	string			online url/link	<pre>link to online video. Ex: link:'https://www.youtube.com/embed/blahBlah'</pre>
type	string			media type	media type: audio or video (reqs: data or path) or online (reqs: link)

Media Examples

```
var pptx = new PptxGenJS();
var slide = pptx.addNewSlide();
// Media by path (Node.js only)
```

```
slide.addMedia({ type:'audio', path:'../media/sample.mp3', x:1.0, y:1.0, w:3.0, h:0.5 });
// Media by data (client browser or Node.js)
slide.addMedia({ type:'audio', data:'audio/mp3;base64,iVtDafDrBF[...]=', x:3.0, y:1.0, w:6.0, h:3.0 });
// Online by link (client browser or Node.js)
slide.addMedia({ type:'online', link:'https://www.youtube.com/embed/Dph6ynRVyUc', x:1.0, y:4.0, w:8.0, h:4.5 });
pptx.save('Demo-Media');
```

Master Slides and Corporate Branding

Slide Masters

Generating sample slides like those shown above is great for demonstrating library features, but the reality is most of us will be required to produce presentations that have a certain design or corporate branding.

PptxGenJS allows you to define Slide Master Layouts via objects that can then be used to provide branding functionality.

Slide Masters are created by calling the defineSlideMaster() method along with an options object (same style used in Slides). Once defined, you can pass the Master title to addNewSlide() and that Slide will use the Layout previously defined. See the demo under /examples for several working examples.

The defined Masters become first-class Layouts in the exported PowerPoint presentation and can be changed via View > Slide Master and will affect the Slides created using that layout.

Slide Master Object Options

	ption	t	Default	Unit	Туре	Option	
--	-------	---	---------	------	------	--------	--

Option	Туре	Unit	Default	Description	Possible Values
bkgd	string		ffffff	color	hex color code or scheme color constant. Ex: { bkgd:'0088CC' }
bkgd	object			image	<pre>object with path OR data. Ex: {path:'img/bkgd.png'} OR {data:'image/png;base64,iVBORwTwB[]='}</pre>
slideNumber	object			Show slide numbers	ex: { $x:1.0$, $y:'50%'$ } x and y can be either inches or percent
margin	number	inches	1.0	Slide margins	0.0 through Slide.width
margin	array			Slide margins	array of numbers in TRBL order. Ex: [0.5, 0.75, 0.5, 0.75]
objects	array			Objects for Slide	object with type and options. Type: chart , image , line , rect or text . Example
title	string			Layout title/name	some title

TIP: Pre-encode your images (base64) and add the string as the optional data key/val (see bkgd above)

Slide Master Examples

```
var pptx = new PptxGenJS();
pptx.setLayout('LAYOUT_WIDE');

pptx.defineSlideMaster({
   title: 'MASTER_SLIDE',
   bkgd: 'FFFFFF',
```

```
objects: [
    { 'line': { x: 3.5, y:1.00, w:6.00, line:'0088CC', lineSize:5 } },
    { 'rect': { x: 0.0, y:5.30, w:'100%', h:0.75, fill:'F1F1F1' } },
    { 'text': { text:'Status Report', options:{ x:3.0, y:5.30, w:5.5, h:0.75 } } },
    { 'image': { x:11.3, y:6.40, w:1.67, h:0.75, path:'images/logo.png' } }
],
    slideNumber: { x:0.3, y:'90%' }
});

var slide = pptx.addNewSlide('MASTER_SLIDE');
slide.addText('How To Create PowerPoint Presentations with JavaScript', { x:0.5, y:0.7, font_size:18 });
pptx.save();
```

Table-to-Slides Feature

Syntax:

```
slide.addSlidesForTable(htmlElementID);
slide.addSlidesForTable(htmlElementID, {OPTIONS});
```

Any variety of HTML tables can be turned into a series of slides (auto-paging) by providing the table's ID.

- Reproduces an HTML table background colors, borders, fonts, padding, etc.
- Slide margins are based on either the Master Slide provided or options

NOTE: Nested tables are not supported in PowerPoint, so only the string contents of a single level deep table cell will be reproduced

Table-to-Slides Options

Option	Туре	Unit	Description	Possible Values
х	number	inches	horizontal location	0-256. Table will be placed here on each Slide
у	number	inches	vertical location	0-256. Table will be placed here on each Slide
W	number	inches	width	0-256. Default is (100% - Slide margins)
h	number	inches	height	0-256. Default is (100% - Slide margins)
master	string		master slide to use	Slide Masters name. Ex: { master:'TITLE_SLIDE' }
addHeaderToEach	boolean		add table headers to each slide	Ex: addHeaderToEach:true
addImage	string		add an image to each slide	<pre>Ex: { addImage:{ path:"images/logo.png", x:10, y:0.5, w:1.2, h:0.75 } }</pre>
addShape	string		add a shape to each slide	Use the established syntax
addTable	string		add a table to each slide	Use the established syntax
addText	string		add text to each slide	Use the established syntax

Table-to-Slides HTML Options

Add an data attribute to the table's tag to manually size columns (inches)

- minimum column width can be specified by using the data-pptx-min-width attribute
- fixed column width can be specified by using the data-pptx-width attribute

Example:

Table-to-Slides Notes

- Default x, y and margin value is 0.5 inches, the table will take up all remaining space by default (h:100%, w:100%)
- Your Master Slides should already have defined margins, so a Master Slide name is the only option you'll need most of the time
- Hidden tables wont auto-size their columns correctly (as the properties are not accurate)

Table-to-Slides Examples

```
// Pass table element ID to addSlidesForTable function to produce 1-N slides
pptx.addSlidesForTable( 'myHtmlTableID' );
// Optionally, include a Master Slide name for pre-defined margins, background, logo, etc.
```

```
pptx.addSlidesForTable( 'myHtmlTableID', { master:'MASTER_SLIDE' } );

// Optionally, add images/shapes/text/tables to each Slide

pptx.addSlidesForTable( 'myHtmlTableID', { addText:{ text:"Dynamic Title", options:{x:1, y:0.5, color:'0088CC'} } } )

pptx.addSlidesForTable( 'myHtmlTableID', { addImage:{ path:"images/logo.png", x:10, y:0.5, w:1.2, h:0.75 } } );
```

Creative Solutions

Design a Master Slide that already contains: slide layout, margins, logos, etc., then you can produce professional looking Presentations with a single line of code which can be embedded into a link or a button:

Add a button to a webpage that will create a Presentation using whatever table data is present:

```
<input type="button" value="Export to PPTX" onclick="{ var pptx=new PptxGenJS(); pptx.addSlidesForTable('tableId'); p</pre>
```

SharePoint Integration

Placing a button like this into a WebPart is a great way to add "Export to PowerPoint" functionality to SharePoint. (You'd also need to add the 4 <script> includes in the same or another WebPart)

Full PowerPoint Shape Library

If you are planning on creating Shapes (basically anything other than Text, Tables or Rectangles), then you'll want to include the pptxgen.shapes.js library.

The shapes file contains a complete PowerPoint Shape object array thanks to the officegen project.

```
<script lang="javascript" src="PptxGenJS/dist/pptxgen.shapes.js"></script>
```

Scheme Colors

Scheme color is a variable that changes its value whenever another scheme palette is selected. Using scheme colors, design consistency can be easily preserved throughout the presentation and viewers can change color theme without any text/background contrast issues.

To use a scheme color, set a color constant as a property value:

```
slide.addText('Hello', { color: pptx.colors.TEXT1 });
```

The colors file contains a complete PowerPoint palette definition.

```
<script lang="javascript" src="PptxGenJS/dist/pptxgen.colors.js"></script>
```

Performance Considerations

It takes CPU time to read and encode images! The more images you include and the larger they are, the more time will be consumed. The time needed to read/encode images can be completely eliminated by pre-encoding any images (see below).

Pre-Encode Large Images

Pre-encode images into a base64 string (eg: 'image/png;base64,iVBORw[...]=') for use as the data option value. This will both reduce dependencies (who needs another image asset to keep track of?) and provide a performance boost (no time will need to be consumed reading and encoding the image).

Integration with Other Libraries

Integration with Angular

Set the browser mode option so the library will use blob file saving instead of detecting your app as a Node.js app (aka: avoid using fs.writeFile).

pptx.setBrowser(true);

See Issue #220 for more information

Integration with Webpack/Typescript

- Add to webpack config to avoid a module resolution error: node: { fs: "empty" }
- Set browser mode so files will save as blobs via browser: pptx.setBrowser(true);

See Issue #72 for more information

Issues / Suggestions

Please file issues or suggestions on the issues page on github, or even better, submit a pull request. Feedback is always welcome!

When reporting issues, please include a code snippet or a link demonstrating the problem. Here is a small jsFiddle that is already configured and uses the latest PptxGenJS code.

Need Help?

Sometimes implementing a new library can be a difficult task and the slightest mistake will keep something from working. We've all been there!

If you are having issues getting a presentation to generate, check out the demos in the examples directory. There are demos for both Nodejs and client-browsers that contain working examples of every available library feature.

- Use a pre-configured jsFiddle to test with: PptxGenJS Fiddle
- Use Ask Question on StackOverflow be sure to tag it with "PptxGenJS"

Version 2.0 Breaking Changes

Please note that version 2.0.0 enabled some much needed cleanup, but may break your previous code... (however, a quick search-and-replace will fix any issues).

While the changes may only impact cosmetic properties, it's recommended you test your solutions thoroughly before upgrading PptxGenJS to the 2.0 version.

All Users

The library getVersion() method is now a property: version

Option names are now caseCase across all methods:

- font face renamed to fontFace
- font_size renamed to fontSize
- line dash renamed to lineDash
- line head renamed to lineHead
- line size renamed to lineSize
- line_tail renamed to lineTail

Options deprecated in early 1.0 versions (hopefully nobody still uses these):

• marginPt renamed to margin

Node Users

Major Change

- require('pptxgenjs') no longer returns a singleton instance
- pptx = new PptxGenJS() will create a single, unique instance
- Advantage: Creating multiple presentations is much easier now see Issue #83 for more).

Unimplemented Features

The PptxGenJS library is not designed to replicate all the functionality of PowerPoint, meaning several features are not on the development roadmap.

These include:

- Animations
- Importing Existing Presentations and/or Templates
- Outlines
- SmartArt

Special Thanks

- Officegen Project For the Shape definitions and XML code
- Dzmitry Dulko For getting the project published on NPM
- kajda90 For the new Master Slide Layouts
- PPTX Chart Experts: kajda90, Matt King, Mike Wilcox
- Everyone who has submitted an Issue or Pull Request. :-)

Support Us

Do you like this library and find it useful? Add a link to the PptxGenJS project on your blog, website or social media.

Thanks to everyone who supports this project! <3

License

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