

WI Professional Services

User Guide for WowChartv2 DNN Module

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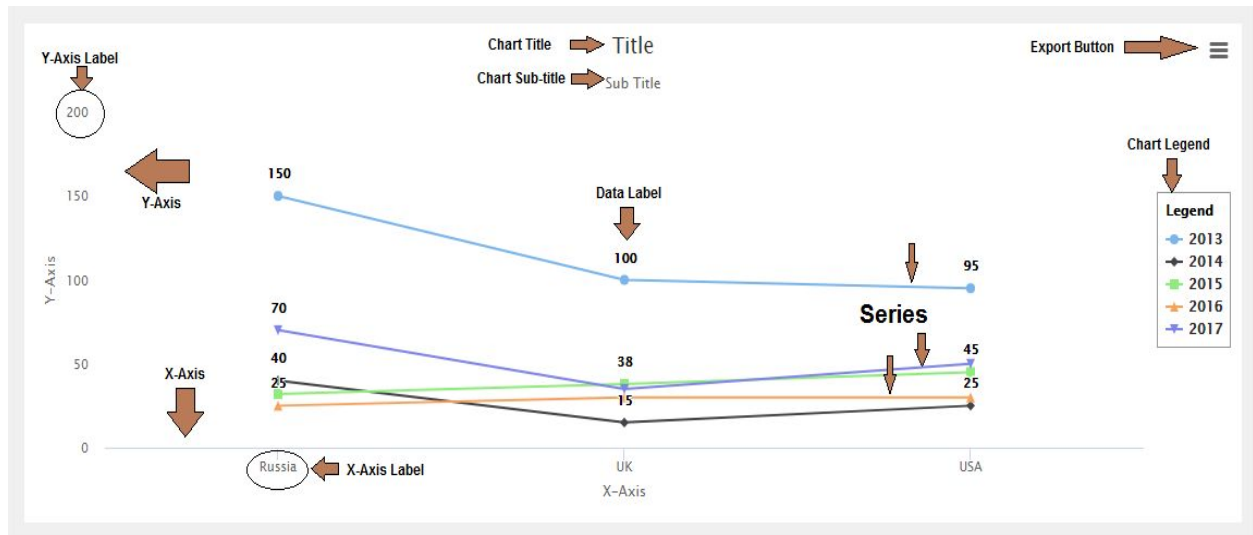
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Home

WowChartv2 is a charting Module offering an easy way of adding interactive charts to your DNN sites. Designed with mobile browsers in mind, everything from multitouch zooming to touch-friendly tooltips responds great on mobile platforms.

Before Getting Started

Do you know chart parts? see below



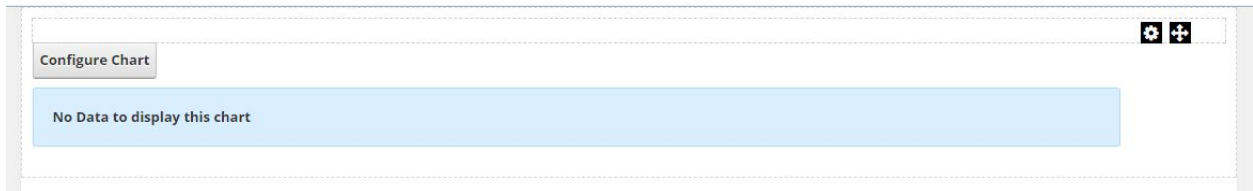
Notice: Chart Title, Chart Sub-title, Y-Axis Label, Y-Axis, X-Axis, X-Axis Label, Series, Chart Legend, Data Label and Export button.

Getting Started

This guide will quickly get you started with your first chart. It's not meant to be exhaustive, so most of the options provided by WowChartv2 will be ignored for simplicity.

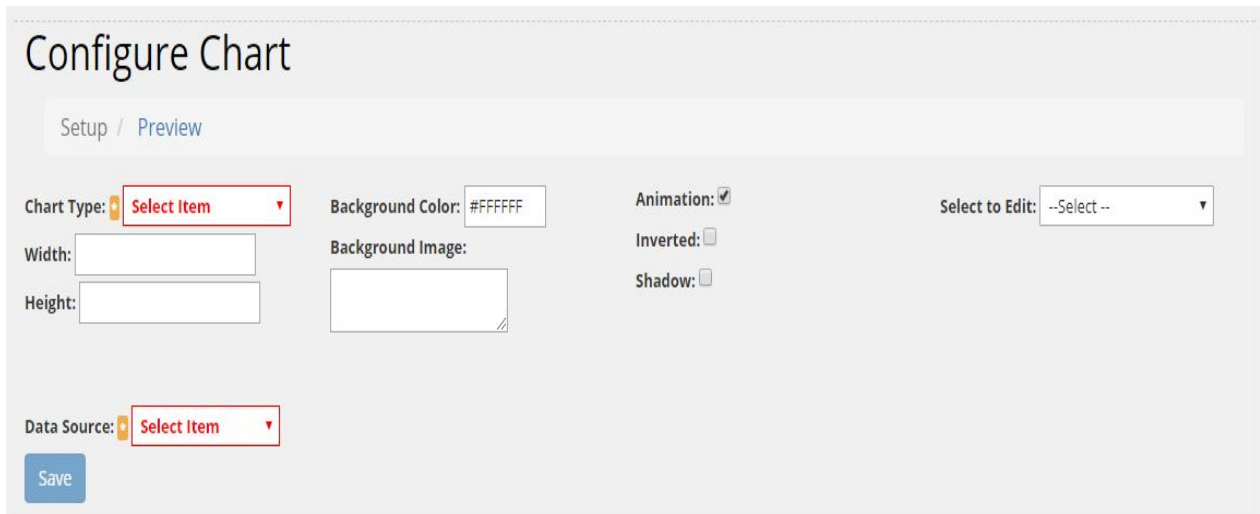
Let's get started!

1. If you haven't already done so, download WowChartv2 from [DNN Store](#). You can install the trial version and use it until you purchase a license and activate it.
2. Add 'WI Wow Chart - v2' module to your page, it will show "No Data to display this chart" message as shown below.



3. Now you have to configure chart in order to display your chart, click 'Configure Chart' button.

Since your chart configuration is empty, the screen should look like in the image below



Predefined Data Chart

Now we are going to show static data in Line chart, configure chart as following:

- Chart Type: Line Chart
- Data Source: Predefined Data
- Fill Labels (2015, 2016, 2017), Series (USA, Russia) and Chart Data

the screen should look like in the image below

Configure Chart

Setup / Preview

Chart Type: Line Chart

Background Color: #FFFFFF

Animation:

Select to Edit: --Select--

Width:

Background Image:

Inverted:

Height:

Shadow:

Polar:

Data Source: Predefined Data

Labels: (Columns) Series: (Rows)

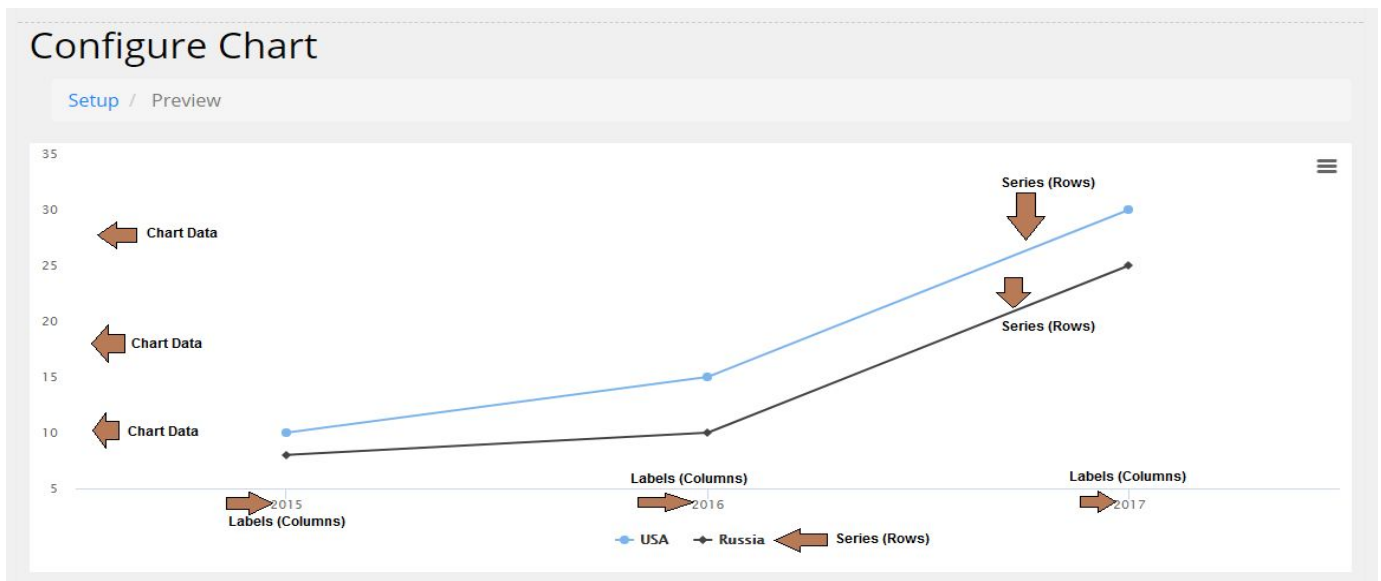
	2015	2016	2017
USA	10	15	30
Russia	8	10	25

Chart Drill Down Data - Select Item

Series X-Axis Y-Axis

Save

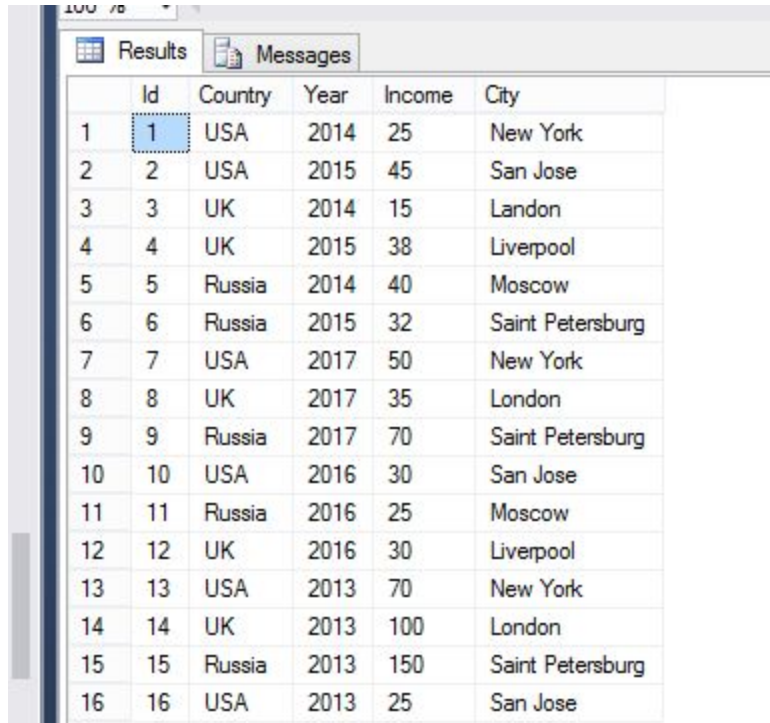
- Click Save Button
 - Go to Preview mode
- the screen should look like in the image below



SQL Data Chart

Before going forward, you should have SQL Table to pull data from it.

In this example we are going to virtualize data from CountryIncome SQL Table



	Id	Country	Year	Income	City
1	1	USA	2014	25	New York
2	2	USA	2015	45	San Jose
3	3	UK	2014	15	Landon
4	4	UK	2015	38	Liverpool
5	5	Russia	2014	40	Moscow
6	6	Russia	2015	32	Saint Petersburg
7	7	USA	2017	50	New York
8	8	UK	2017	35	London
9	9	Russia	2017	70	Saint Petersburg
10	10	USA	2016	30	San Jose
11	11	Russia	2016	25	Moscow
12	12	UK	2016	30	Liverpool
13	13	USA	2013	70	New York
14	14	UK	2013	100	London
15	15	Russia	2013	150	Saint Petersburg
16	16	USA	2013	25	San Jose

Now let's configure a Line Chart, showing country's income in each year:

- Chart Type: Line Chart
- Data Source: SQL Table Data
- Query Type: Table
- Table Name: CountryIncome
- x-Axes Column: Country
- y-Axes Column: Income
- y-Axes Data Function: Sum
- Series Column: Year

the screen should look like in the image below

Configure Chart

Setup / Preview

Chart Type: Background Color: Animation:
Width: Background Image: Inverted:
Height: Shadow: Select to Edit:
Polar:

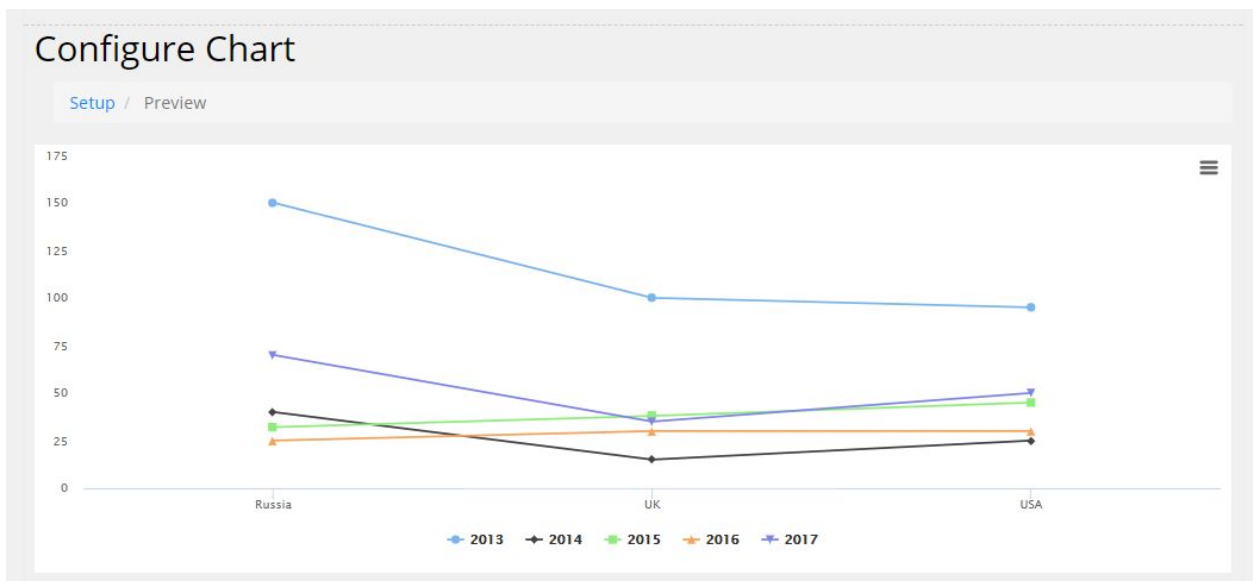
Data Source:

You have to click Save button in order to see your changes in the Preview pane

Query Type: x-Axes Column: Series Column: Filter Condition:
Table Name: y-Axes Column: Drill Down Column:
Connection String: y-Axes Data Function: x-Axes Color Column:

Leave it empty to use DNN database, or fill the connection of target database.
More information about connection string at www.connectionstrings.com

- Click Save Button
- Go to Preview mode
the screen should look like in the image below



CSV File Chart

Note: The first line in the CSV file is columns names.

Configure screen should look like in the image below

Configure Chart

Setup / Preview

Chart Type: Line Chart
Background Color: #FFFFFF
Animation:
Width:
Background Image:
Inverted:
Height:
Shadow:
Polar:
Select to Edit: --Select --

Data Source: CSV File
You have to click Save button in order to see your changes in the Preview pane

Folder: WowChartv2/
File: PVTXV3Results07222017.csv
[Upload New File](#)

x-Axes Column: Date
y-Axes Column: Dollars
y-Axes Data Function: Sum

Series Column:
Drill Down Column:
x-Axes Color Column:

[Save](#)

Preview mode should look like in the image below

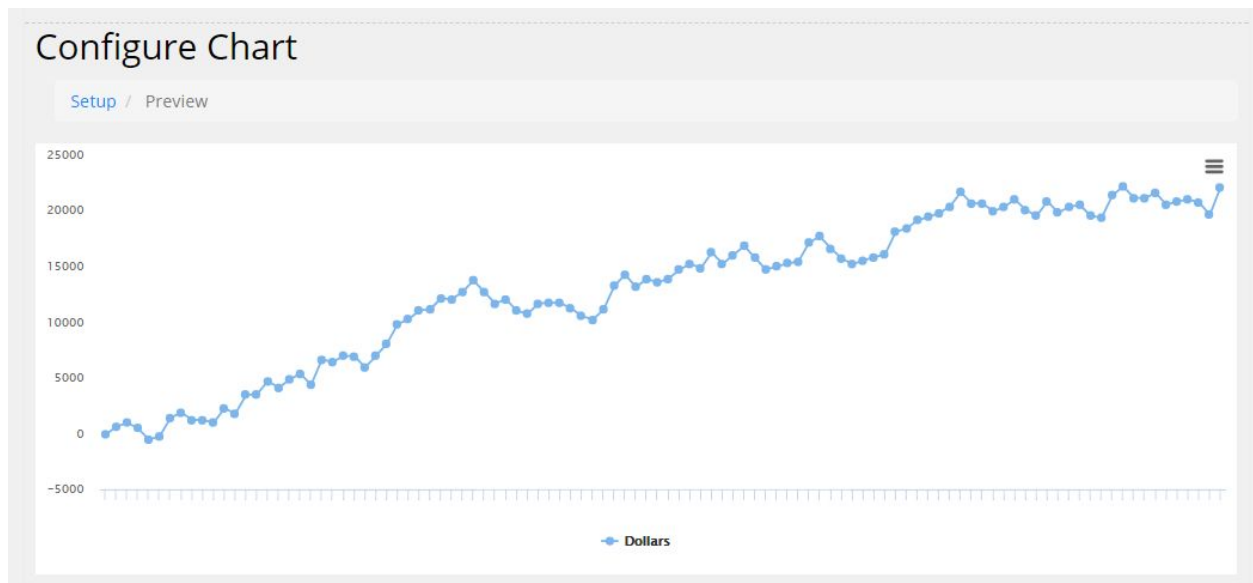


Chart Options

* means option is required.

1. General Options

	Name	Type	Description	Example
1	Chart Type *	Predefined Options	The type of chart, can be any of the chart types Line, Spline, Area, Areaspline, Column, Bar, Pie, Goal or Organization Chart	Line
2	Width	Number / Percentage	An explicit width for the chart. By default (when empty) the width is calculated from the offset width of the containing element. Defaults to null.	80% or 500px
3	Hight	Number / Percentage	An explicit height for the chart. If a number, the height is given in pixels. If given a percentage string (for example '56%'), the height is given as the percentage of the actual chart width. This allows for preserving the aspect ratio across responsive sizes.	80% or 500px
4	Background Color	Color Picker	The background color or gradient for the outer chart area. Defaults to #FFFFFF.	red or #00bb00
5	Background Image	Fee Text	The URL for an image to use as the chart background. <i>Note that for the image to be applied to exported charts, its URL needs to be accessible by the export server.</i>	
6	Animation	Checkbox	Set the overall animation for all chart updating. Animation can be disabled throughout the chart by clear this option	
7	Inverted	Checkbox	Whether to invert the axes so that the x axis is vertical and y axis is horizontal	
8	Shadow	Checkbox	Whether to apply a drop shadow to the outer chart area	
9	Polar	Checkbox	When selected, cartesian charts like line,area and column are transformed into the polar coordinate system	

2. Config Options

	Name	Type	Description	Example
1	Pane Size *	Number / Percentage	The size of the pane, either as a number defining pixels, or a percentage defining a percentage of the plot are	85% or 500px
2	Pane Start Angle *	Number	The start angle of the polar X axis or gauge axis, given in degrees where 0 is north	
3	Pane End Angle *	Number	The end angle of the polar X axis or gauge value axis, given in degrees where 0 is north	
4	Chart Spacing *	Number	The distance between the outer edge of the chart and the content, like title or legend, or axis title or labels if present. The numbers in the boxes designate top, right, bottom and left respectively.	
5	Chart Margin *	Number	The margin between the outer edge of the chart and the plot area. The numbers in the boxes designate top, right, bottom and left respectively	
6	Stacking	Predefined Options	Whether to stack the values of each series on top of each other. Possible values are disable, "normal" to stack by value or "percent"	
7	Color Per Point	Checkbox	When using automatic point colors pulled from the default colors collection, this option determines whether the chart should receive one color per series or one color per point.	
8	Zoom	Predefined Options	Decides in what dimensions the user can zoom by dragging the mouse. Can be one of x, y or x & y.	

3. Title Options

	Name	Type	Description	Example
1	Text	Free Text	The title of the chart. To disable the title, clear it	Sales By Year
2	Align	Predefined Options	The horizontal alignment of the title. Can be one of "left", "center" and "right".	
3	Vertical Align	Predefined Options	The vertical alignment of the title. Can be one of "top", "middle" and "bottom"	
4	Font Size	Number	The font size of chart title in pixels	
5	Font Color	Color Picker	The font color of chart title	red or #00bb00
6	Margin	Number	The margin between the title and the plot area, or if a subtitle is present, the margin between the subtitle and the plot area	

4. SubTitle Options

	Name	Type	Description	Example
1	Text	Free Text	The sub title of the chart. To disable the sub title, clear it	2010 - 2017
2	Align	Predefined Options	The horizontal alignment of the sub title. Can be one of "left", "center" and "right".	
3	Vertical Align	Predefined Options	The vertical alignment of the sub title. Can be one of "top", "middle" and "bottom"	
5	Font Color	Color Picker	The font color of chart sub title	red or #00bb00

5. Legend Options

	Name	Type	Description	Example
1	Enabled	Checkbox	Enable or disable the legend	
2	Align	Predefined Options	The horizontal alignment of the legend box within the chart area. Valid values are left, center and right.	
3	Vertical Align	Predefined Options	The vertical alignment of the legend box. Can be one of top, middle or bottom	
4	Layout	Predefined Options	The layout of the legend items. Can be one of "horizontal" or "vertical"	
5	Title	Free Text	A title to be added on top of the legend	
6	Background Color	Color Picker	The background color of the legend	red or #00bb00
7	Border Color	Color Picker	The color of the drawn border around the legend	red or #00bb00
8	Border Radius *	Number	The border corner radius of the legend	
9	Border Width *	Number	The width of the drawn border around the legend	
10	Floating	Checkbox	When the legend is floating, the plot area ignores it and is allowed to be placed below it	
11	X-offset *	Number	The x offset of the legend relative to its horizontal alignment align within spacing left and spacing right. Negative x moves it to the left, positive x moves it to the right.	
12	Y-offset *	Number	The vertical offset of the legend relative to its vertical alignment vertical align within spacing top and spacing bottom. Negative y moves it up, positive y moves it down.	
13	Label Format *	Free Text	A format string for each legend label	{name}

6. X-Axis Options

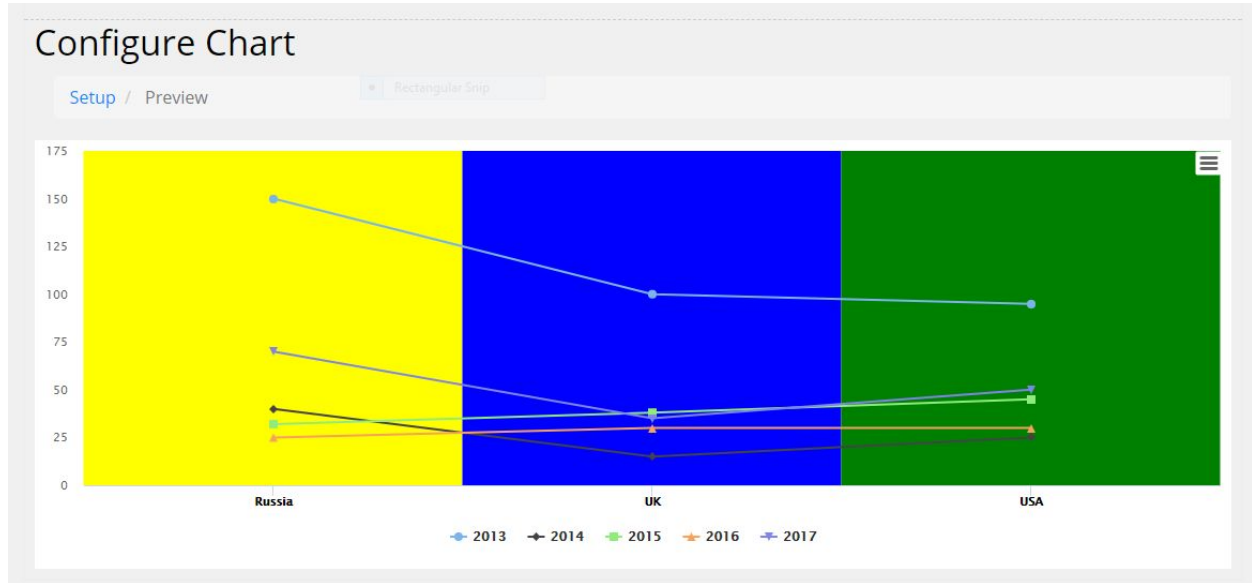
	Name	Type	Description	Example
1	X-axis Text	Free Text	The axis title, showing next to the axis line	
2	Minimum Value	Number	The minimum value of the axis. If empty the min value is automatically calculated	
3	Line Width *	Number	The width of the line marking the axis itself	
4	Line Color *	Color Picker	The color of the line marking the axis itself	red or #00bb00
5	Grid Line Width *	Number	The width of the grid lines extending the ticks across the plot area	
6	Crosshair	Checkbox	Configure a crosshair that follows either the mouse pointer or the hovered point	

7. X-Axis Label Options

	Name	Type	Description	Example
1	Enabled	Checkbox	Enable or disable the axis labels	
2	Format *	Free Text	A format string for the axis label	{value}
3	Rotation *	Number	Rotation of the labels in degrees	
4	Color *	Color Picker	The font color of the axis labels	red or #00bb00
5	Font Size *	Free Text	The font size of the axis labels, either in pixels or em font size unit	15px or 1.2em
6	Font Weight	Predefined Options	The font weight of the axis labels. Can be one of "normal" or "bold" or "bolder" or "lighter"	
7	Padding *	Number	The pixel padding for axis labels, to ensure whitespace between them	

8. X-Axis Range Color Options

Define x-axis category background color, as shown below



9. Y-Axis Options

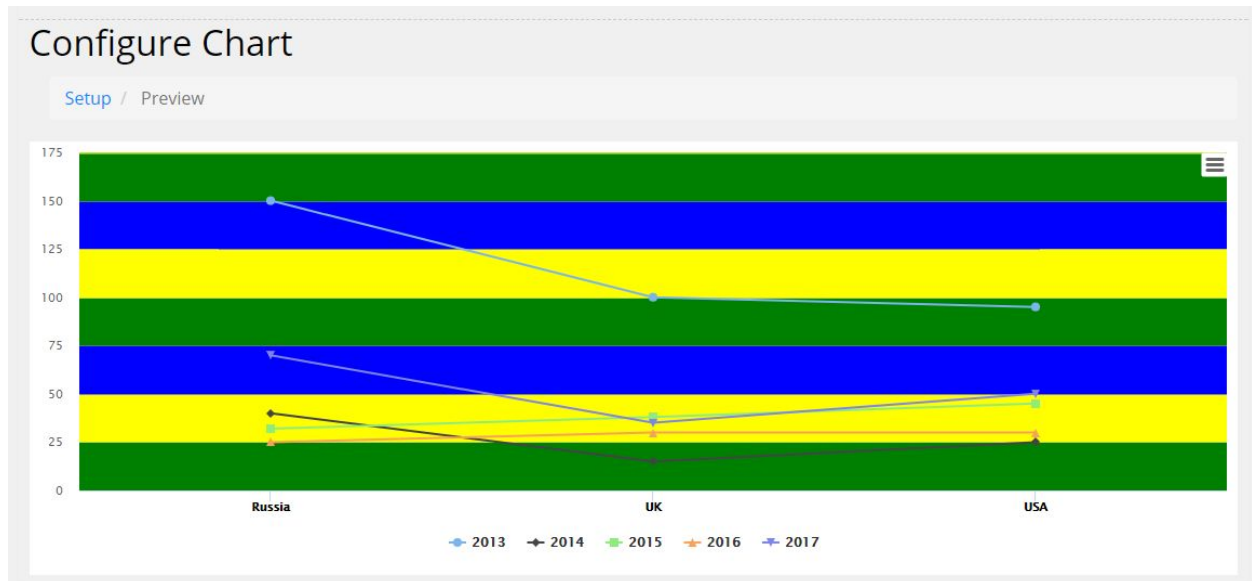
	Name	Type	Description	Example
1	Y-axis Text	Free Text	The axis title, showing next to the axis line	
2	Minimum Value	Number	The minimum value of the axis. If empty the min value is automatically calculated	
3	Line Width *	Number	The width of the line marking the axis itself	
5	Grid Line Width *	Number	The width of the grid lines extending the ticks across the plot area	
6	Crosshair	Checkbox	Configure a crosshair that follows either the mouse pointer or the hovered point	

10. Y-Axis Labels Options

	Name	Type	Description	Example
1	Enabled	Checkbox	Enable or disable the axis labels	
2	Format *	Free Text	A format string for the axis label	{value}
3	Rotation *	Number	Rotation of the labels in degrees	
4	Color *	Color Picker	The font color of the axis labels	red or #00bb00
5	Font Size *	Free Text	The font size of the axis labels, either in pixels or em font size unit	15px or 1.2em
6	Font Weight	Predefined Options	The font weight of the axis labels. Can be one of "normal" or "bold" or "bolder" or "lighter"	
7	Padding *	Number	The pixel padding for axis labels, to ensure whitespace between them	

11. Y-Axis Range Color Options

Define y-axis category background color, as shown below



12. Tooltip Options

	Name	Type	Description	Example
1	Enabled	Checkbox	Enable or disable the tooltip	
2	Header Format	Free Text	The HTML of the tooltip header line. Variables are enclosed by curly brackets. Available variables are point.key, series.name, series.color.	
3	Point Format	Free Text	The HTML of the point's line in the tooltip. Variables are enclosed by curly brackets. Available variables are point.x, point.y, series.name and series.color	
4	Split	Checkbox	Split the tooltip into one label per series, with the header close to the axis. This is recommended over shared tooltips for charts with multiple line series, generally making them easier to read	
5	Shared	Checkbox	When the tooltip is shared, the entire plot area will capture mouse movement or touch events. Tooltip texts for series types with ordered data (not pie, scatter, flags etc) will be shown in a single bubble. This is recommended for single series charts and for tablet/mobile optimized charts.	

13. 3D Options

	Name	Type	Description	Example
1	Enabled	Checkbox	Whether to render the chart using the 3D functionality	
2	Alpha *	Number	One of the two rotation angles for the chart	
3	Beta *	Number	One of the two rotation angles for the chart	
4	Depth *	Number	The total depth of the chart	

14. Data Label Options

	Name	Type	Description	Example
1	Enabled	Checkbox	Enable or disable the data labels	
2	Format	Free Text	A format string for the data label	{y} {point.name}
3	Color	Color Picker	The text color for the data labels	red or #00bb00
4	Rotation	Number	Text rotation in degrees	
5	Border Color	Color Picker	The border color for the data label	red or #00bb00
6	Border Radius	Number	The border radius in pixels for the data label	
7	Border Width	Number	The border width in pixels for the data label	
8	X offset	Number	The x position offset of the label relative to the point	
9	Y offset	Number	The y position offset of the label relative to the point	

15. Captions

	Name	Type	Description	Example
1	Drill Up Text	Free Text	The text for the button that appears when drilling down, linking back to the parent series. The parent series' name is inserted for {series.name}	
2	No Data	Free Text	The text to display when the chart contains no data	
3	Print Chart	Free Text	The text for the menu item to print the chart	
4	Download JPEG	Free Text	The text for the JPEG download menu item	
5	Download PDF	Free Text	The text for the PDF download menu item	
6	Download PNG	Free Text	The text for the PNG download menu item	
7	Download SVG	Free Text	The text for the SVG download menu item	
8	Download CSV	Free Text	The text for the CSV download menu item	
9	Download XLS	Free Text	The text for the XLS download menu item	
10	View Data	Free Text	The text for the View Data menu item	

16. Drill Down Options

	Name	Type	Description	Example
1	Title Location	Predefined Options	Where to show parent series name when drilling down. Can be one of "Don't Show" or "Title" or "Subtitle"	
2	Title Prefix	Free Text	A prefix text to show with the parent series name when drilling down	
3	Hide Title	Checkbox	Whether to hide original chart title when drilling down	
4	Hide Subtitle	Checkbox	Whether to hide original chart subtitle when drilling down	

17. Export Options

	Name	Type	Description	Example
1	Allow Exporting	Checkbox	Whether to enable chart exporting. Clear this option will hide the context button	
2	External Server	Checkbox	Whether to use remote server for export or use current site to create image or pdf	
3	Width	Number	The width of exported image or pdf	
4	Allow Download CSV	Checkbox	Whether to enable CSV chart exporting. Clear this option will hide 'Download CSV' menu item	
5	Allow Download XLS	Checkbox	Whether to enable XLS chart exporting. Clear this option will hide 'Download XLS' menu item	
6	Allow View Data	Checkbox	Whether to enable View chart data. Clear this option will hide 'View Data' menu item	

18. Series Colors

This section allows users define a color for each series

	Name	Type	Description	Example
1	Fill Opacity *	Number	The default opacity/transparency of series	
2	Name *	Free Text	The name of series	
3	Color *	Color Picker	The color of series	

19. X-Axis Points Colors

Users can define a color for each x-axis point

	Name	Type	Description	Example
1	Name *	Free Text	The name of x-axis point name	
2	Color *	Color Picker	The color of x-axis point	

20. Module Preview

This section contains the html needed to display current chart in HTML module

Sample HTML:

```
<iframe
src="http://localhost/dnn9/Charv2/ctl/Preview/mid/1488?SkinSrc=[G]Skins%2f_default%2fNo+
Skin&ContainerSrc=[G]Containers%2f_default%2fNo+Container"
style="width:100%;height:100%;overflow:auto;"></iframe>
```

Examples

Country Income Per Year

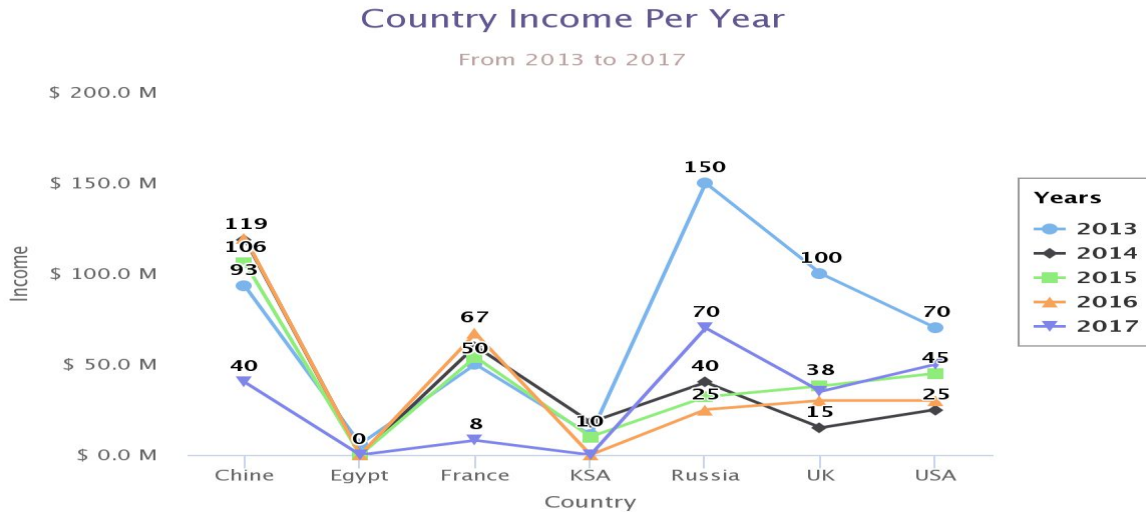


Chart Configurations as following

<ol style="list-style-type: none"> 1. Chart Type: Line Chart 2. Data Source: SQL Table Data <ul style="list-style-type: none"> ○ Query Type: Table ○ TableName: CountryIncome ○ x-Axes Column: Country ○ y-Axes Column: Income ○ y-Axes Data Function: Sum ○ Series Column: Year ○ Filter Condition: "Income > 0 AND Year BETWEEN 2013 AND 2017" 3. Title Options <ul style="list-style-type: none"> ○ Text: "Country Income Per Year" ○ Font Size: 18 ○ Font Color: #625791 ○ Margin: 16 4. Subtitle Options <ul style="list-style-type: none"> ○ Text: "From 2013 to 2017" ○ Font Color: #bda2a2 	<ol style="list-style-type: none"> 5. Legend Options <ul style="list-style-type: none"> ○ Enabled: selected ○ Align: Right ○ Vertical Align: Middle ○ Layout: Vertical ○ Title: Years 6. X-Axis Options <ul style="list-style-type: none"> ○ X-Axis Text: Country 7. Y-Axis Options <ul style="list-style-type: none"> ○ Y-Axis Text: Income 8. Y-Axis Labels Options <ul style="list-style-type: none"> ○ Format: \$ {value:.1f} M 9. Data Labels Options <ul style="list-style-type: none"> ○ Enabled: selected ○ Format: {y:0f} 10. Export Options: <ul style="list-style-type: none"> ○ Allow Exporting: selected
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More than 25 charts examples

<http://wi-demo.pcu.ps/wow-chart-2>