



**Virto JQuery Charts  
for Microsoft SharePoint  
Release 2.2.1**



**User and Installation Guide**

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# Virto JQuery Charts for Microsoft SharePoint

## Overview

**Virto JQuery Charts** is intended to create charts for graphical representation and visualization of data contained in SharePoint lists, SQL tables and XML files. There are editions for **Microsoft SharePoint 2007, 2010 and 2013**.

## Features List

Feature	Version
Creating charts of line, bar and pie type	v.1.0
SharePoint list, SQL database, XML file data sources	v.1.0
Ability to define chart height and width or diameter in pixels	v.1.0
RGB color coding for line and bar charts	v.1.0
Using chart zoom ( <b>only for SharePoint 2007 version</b> )	v.1.0
Using stacked chart option	v.1.0
Highlighting data points	v.1.0
Ability define colors for grid	v.1.0
RGB color coding of X and Y axes	v.1.0
Axis autoscaling (automatic definition of minimum and maximum)	v.1.0
Showing/hiding chart title and placing it to different positions	v.1.0
Showing/hiding chart legend and placing it to different positions	v.1.0
Ability to hide data source on chart	v.1.0
Filtering options for displayed data	v.1.0
Value grouping and data aggregation for Y axis	v.1.0
Ability to define data format for X axis of date and time type	v.1.0
Editions for SharePoint 2007 and 2010 versions	v.1.0
Options for turning off axes labels	v.1.2
Ability to edit advanced chart options	v.1.0
Option for displaying custom labels for X axis.	v.1.3
Font customization options for chart title, legend, data labels, axes labels and tooltip	v.1.5

## System/Developer Requirements

### Operating System

Microsoft Windows Server 2003 and 2008

### Server

*SharePoint Release 3:*

- Microsoft Windows SharePoint Services v3 or Microsoft Office SharePoint Server 2007;
- Microsoft .NET Framework 3.5;
- Microsoft Office SharePoint Designer 2007.

*SharePoint Release 2010:*

- Microsoft Windows SharePoint Foundation 2010 or Microsoft Office SharePoint Server 2010;
- Microsoft .NET Framework 3.5;
- Microsoft Office SharePoint Designer 2010.

SharePoint Release 2013:

- Microsoft Windows SharePoint Foundation 2013 or Microsoft Office SharePoint Server 2013;
- Microsoft .NET Framework 4.5;

**Note:** *This product is not compatible with SPS 2003 and WSS v2.*

### Browser

Microsoft Internet Explorer 7 or higher is required.

## Installation and Activation

This section describes how to install, upgrade, uninstall, or contact Support for the Virto SharePoint JQuery Charts.

### ***Expected Outage***

The expected outage time is from 2 minutes to several hours depending on your hardware and number of SharePoint sites. Though we recommend all Virto users to upgrade on a weekend.

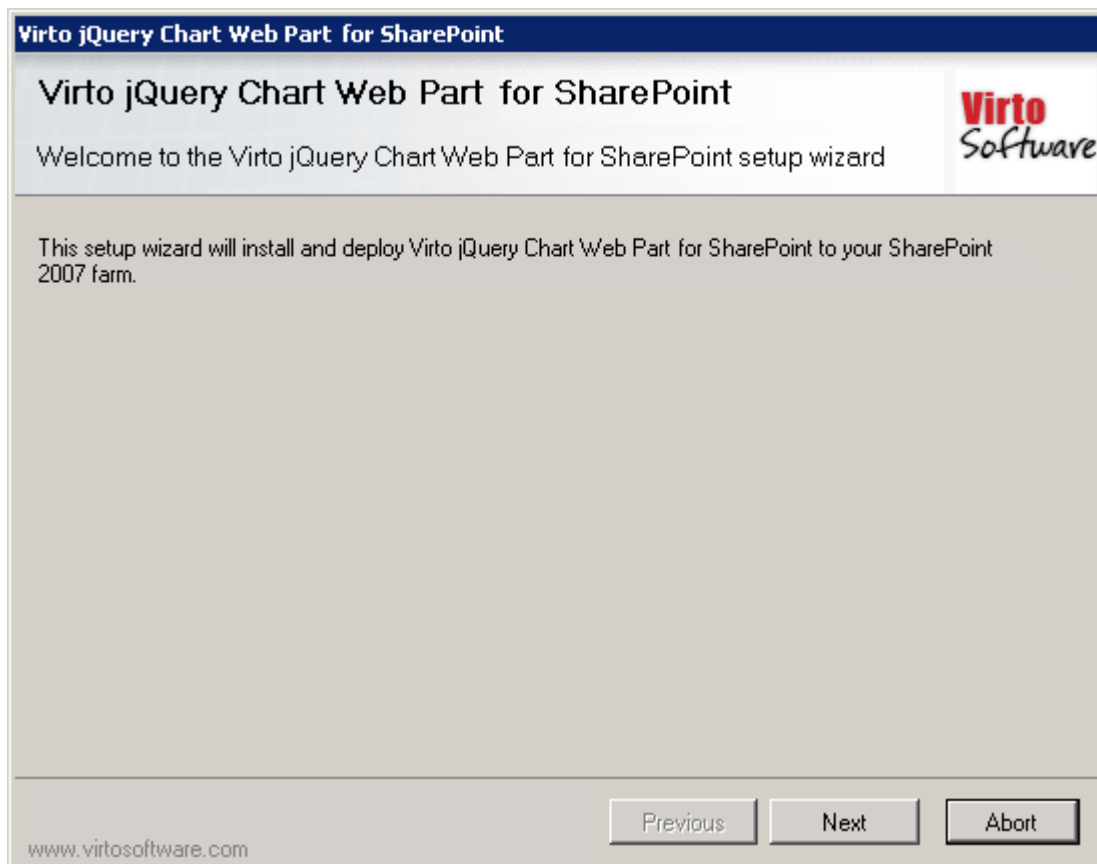
### ***Installing Virto SharePoint JQuery Charts***

Before you begin, you need to make sure you have access to the server and your account must have the appropriate administrative privileges to install applications.

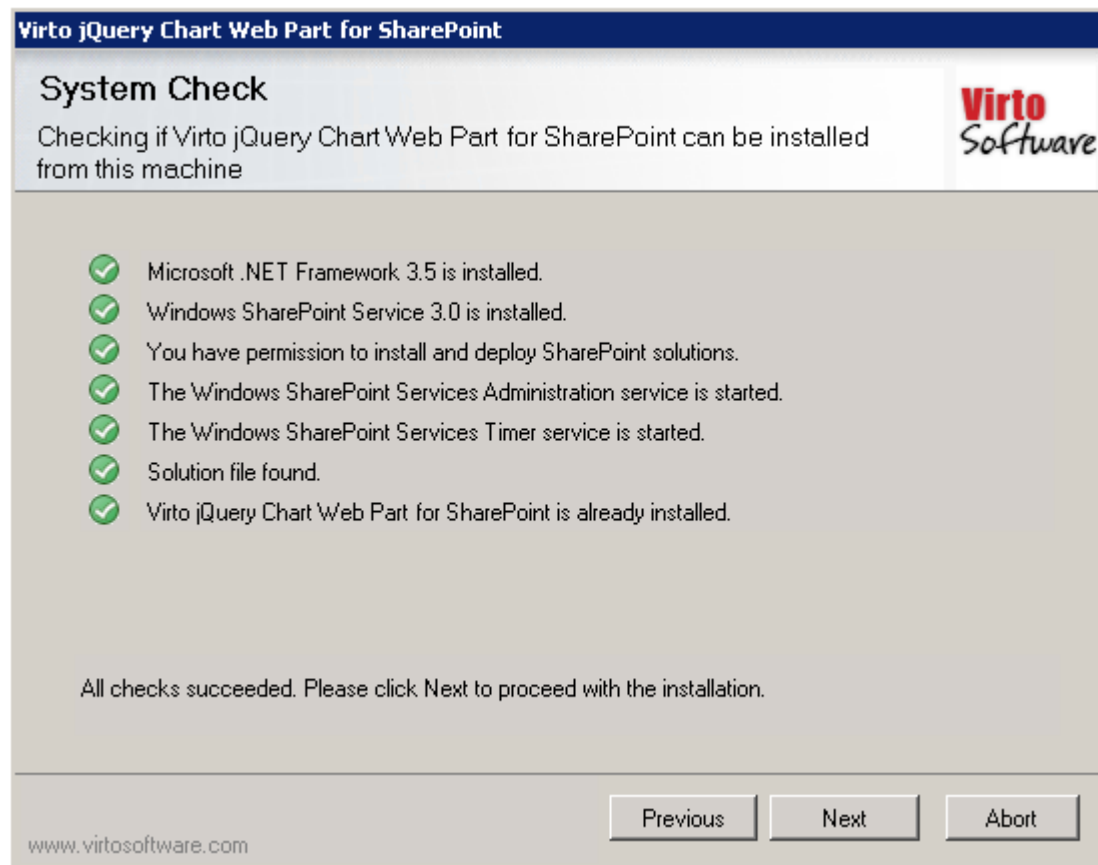
Virto JQuery Charts for SharePoint setup program provides links to the various installation components for the calendar.

To access Virto JQuery Charts Setup program download **Virto.SharePoint.20XX.jQueryChartWebPart.zip** file and unzip it. Run extracted **Setup.exe** file.

The setup wizard window will appear.



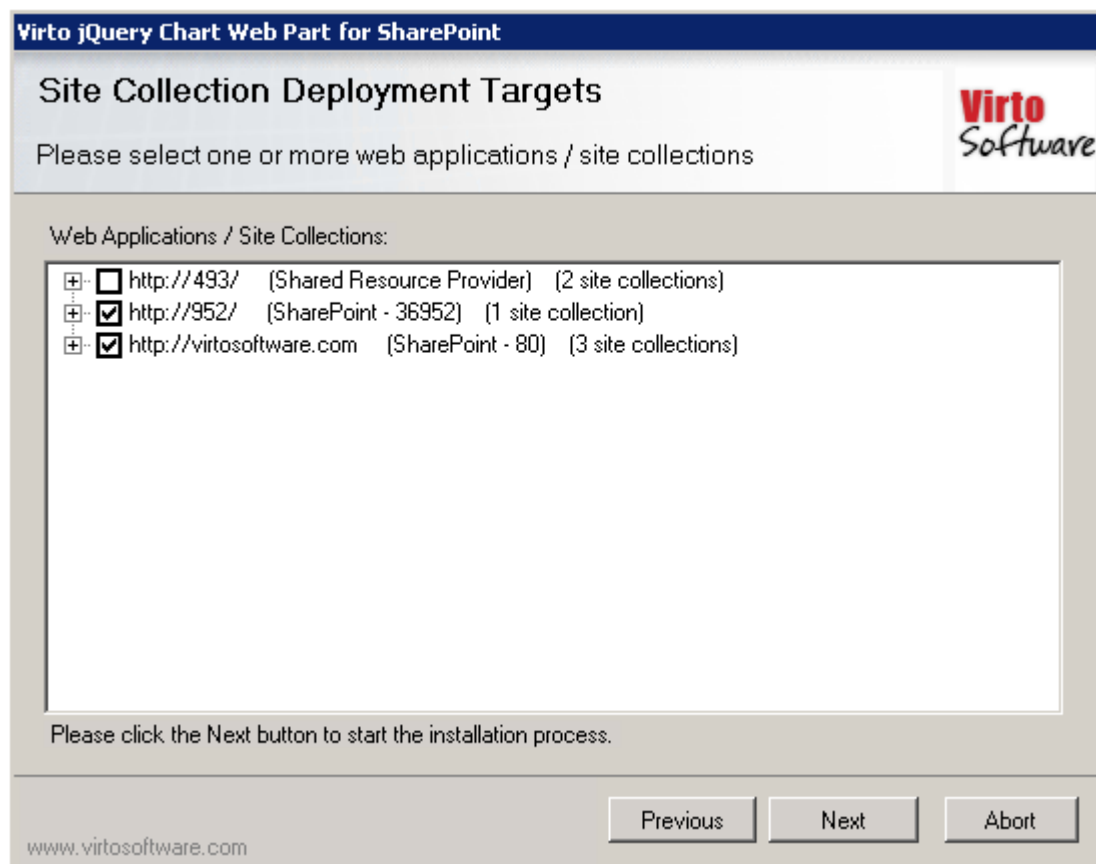
Virto SharePoint JQuery Charts wizard performs a system check prior to the installation. All the system checks must be completed successfully in order to proceed with the installation. After the checks have completed, click “Next”.



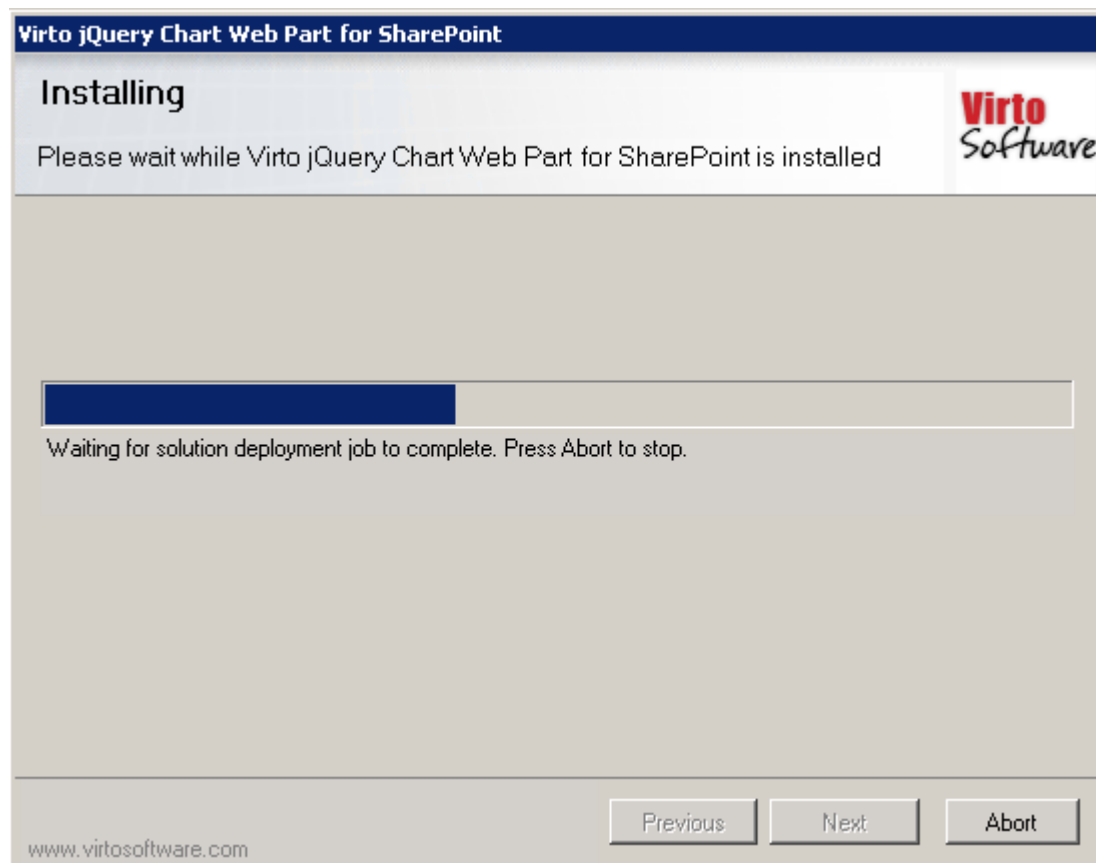
Check “I accept the terms in the License Agreement” and click “Next”.

Select the web application(s) where you want to install the product.

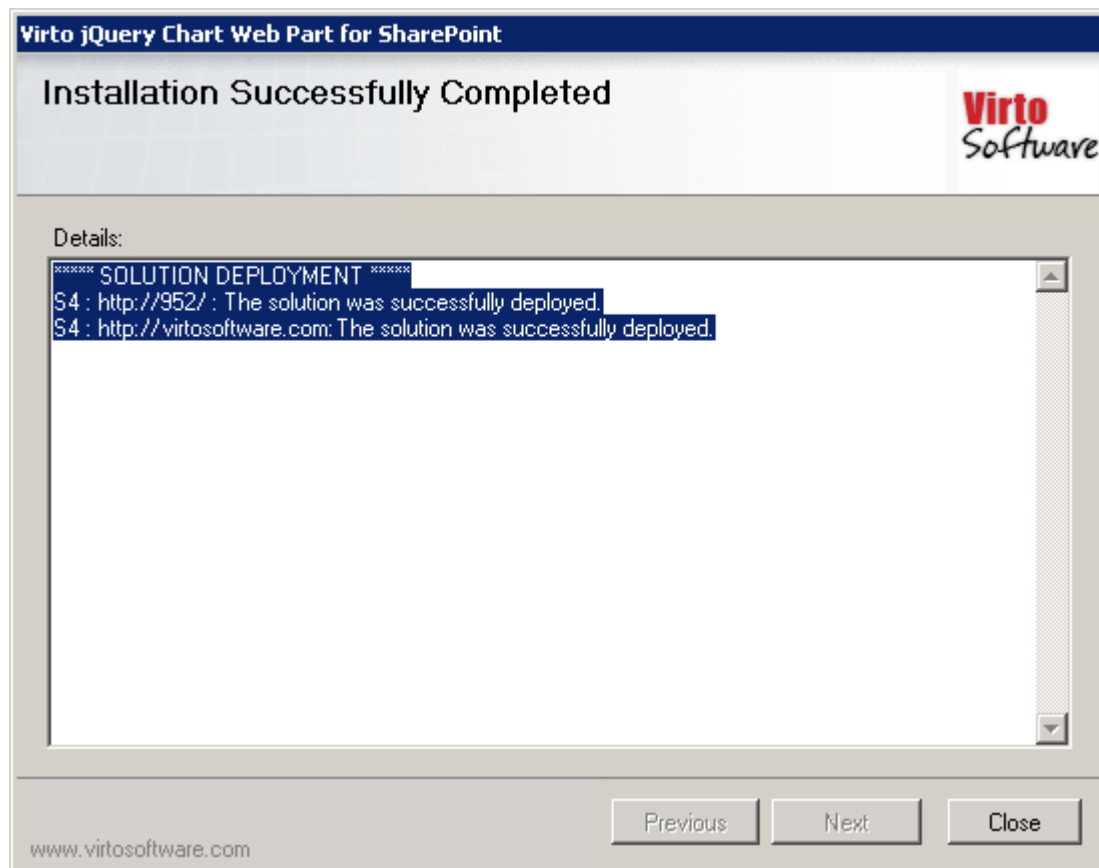
**Warning:** *You must be logged in to the SharePoint server with a Site Collection Administrator account to automatically activate this feature.*



Then click "Next".



Click "Close" to complete the installation.



**Note:** installation procedure is similar for SharePoint 2007, 2010 and 2013 versions.

## **License Activation**

To see full instruction for successful activation of your component, please download “Virtto License Manager” PDF instruction from [Downloads](#) section of our site or read it in [Wiki](#).

## **Upgrading Virtto SharePoint JQuery Charts**

If you already use Virtto SharePoint JQuery Charts and need to upgrade it to the latest version, download the.zip file from <http://www.virtosoftware.com>. Unzip the file and run setup.exe as it is described in the *Installing Virtto SharePoint JQuery Charts* section.

On the step 3 check the box “Upgrade” and click “Next”.

**Note:** if you had activated the license while installing the previous Virtto SharePoint JQuery Charts version, you do not need to activate it now.



## ***Uninstalling Virto SharePoint JQuery Charts***

To uninstall the component:

1. Double click the Setup.exe extracted from downloaded **Virto.SharePoint.20XX.jQueryChartWebPart.zip** file.
2. The program performs the system checks again. Once that has successfully completed, the program prompts you to Repair or Remove the solution. Select Remove, and click "Next".

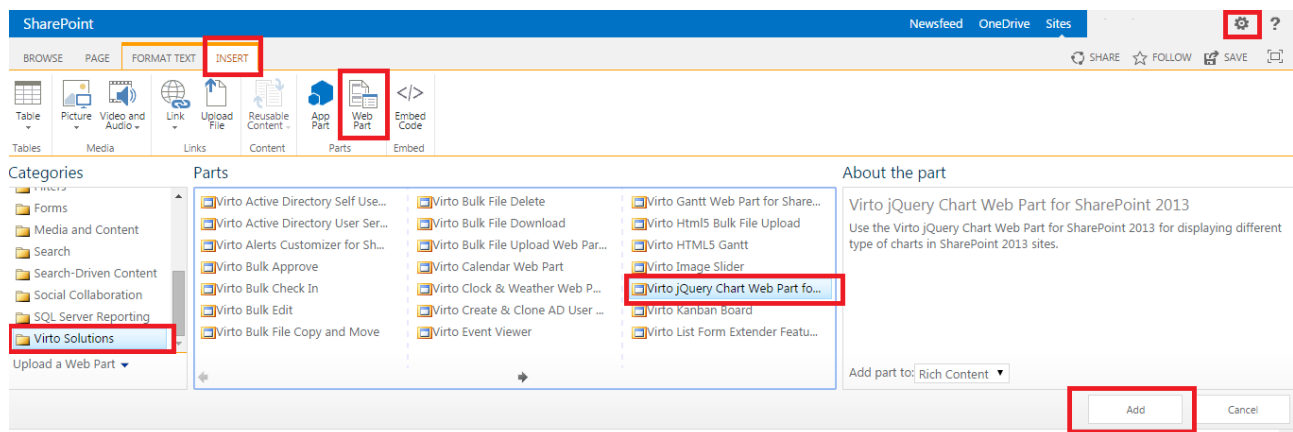
## Administration and Usage

### Adding Web Part to a SharePoint site

Go to SharePoint site where you want to add the web part and open “Edit - Edit page”. You will switch to edit mode.

Click “Add a Web Part”.

Select Virto JQuery Charts at the bottom of the list and click “Add”.



Once you have clicked “Add” button, use “Exit edit mode” button.

Added web part will be displayed on page. To adjust it, go to web part settings.

### Virto SharePoint JQuery Charts Settings

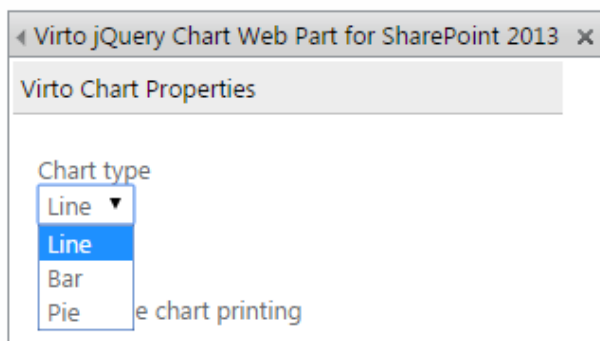
To view data in charts, you need to adjust chart appearance, define data source, and select colors for displayed diagram. You can add more than one data source for a single chart and display either some of them or all of them. Full adjustment information is in sections “Basic Settings”, “Grid Properties”, “Axes Properties”, “Data Source Settings” and “Title and Legend Settings”.

#### Basic Settings

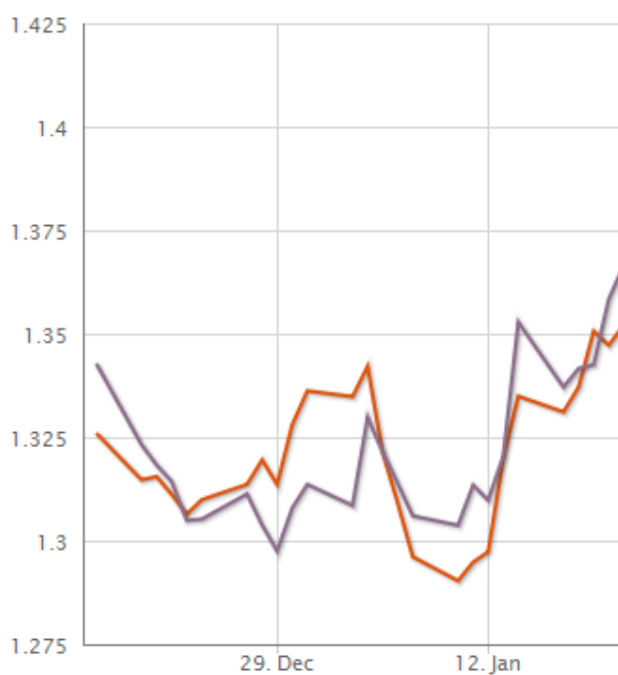
Basic settings of Virto JQuery Charts include:

- Chart type (line, bar, pie);
- Enable/disable chart zoom;
- Stacked chart (*for Line and Bar charts only*);
- Fill to zero (*for Line charts only*);
- Highlight data points (*for Line charts only*);
- Chart width and height.

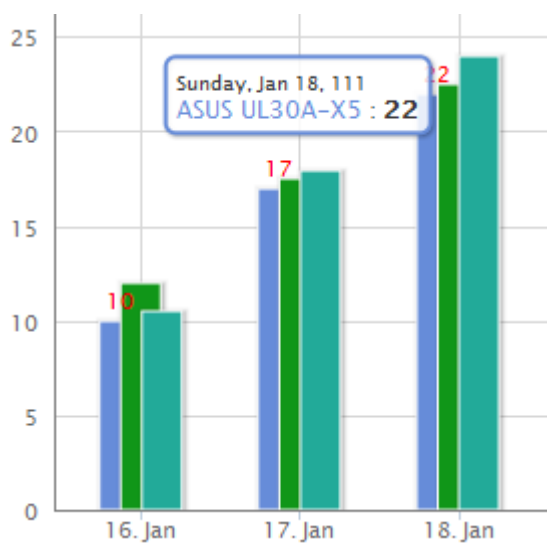
Select chart type in the dropdown:

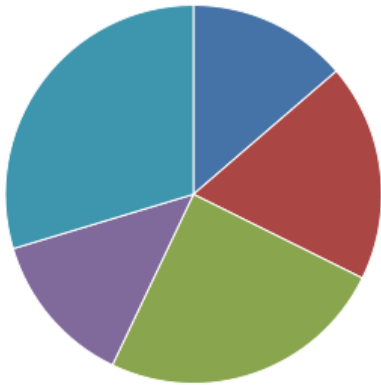


**Line type:**

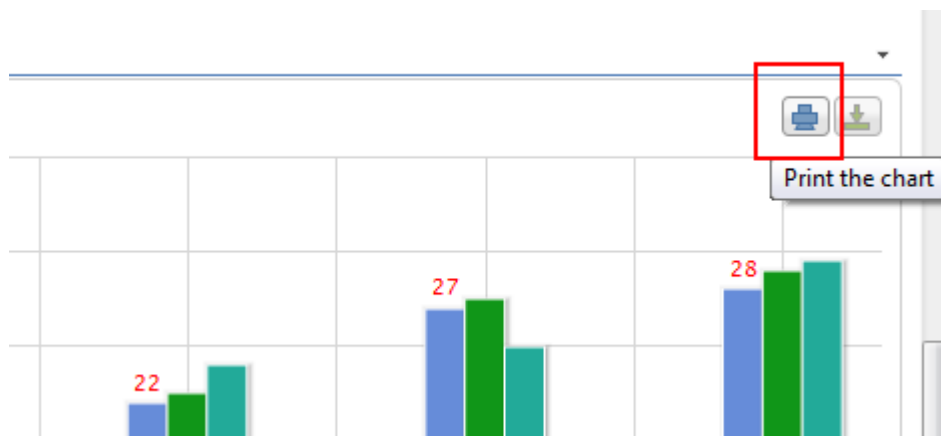


**Bar type:**



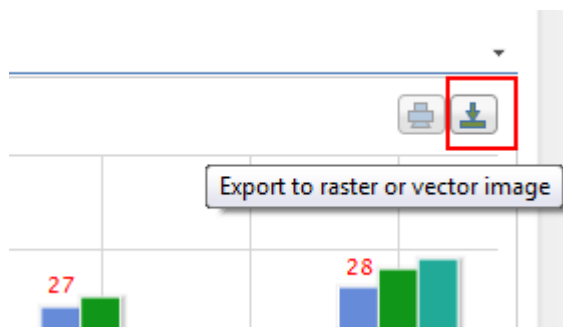
**Pie type:**

Check the box **“Enable chart printing”** in case you need to print the current view of chart. Use **“Print button”** to do this.



Check the box **“Enable chart exporting”** in case you need to allow exporting current view to raster or vector image. Use **“Export to raster or vector image”** to do this.

**Note:** user must have active internet connection to export chart.



Check the box **“Enable chart zoom”** in case you need to enable scaling displayed char. Use mouse to select the zone you need to scale.

◀ Virto jQuery Chart Web Part for SharePoint 2013 ×

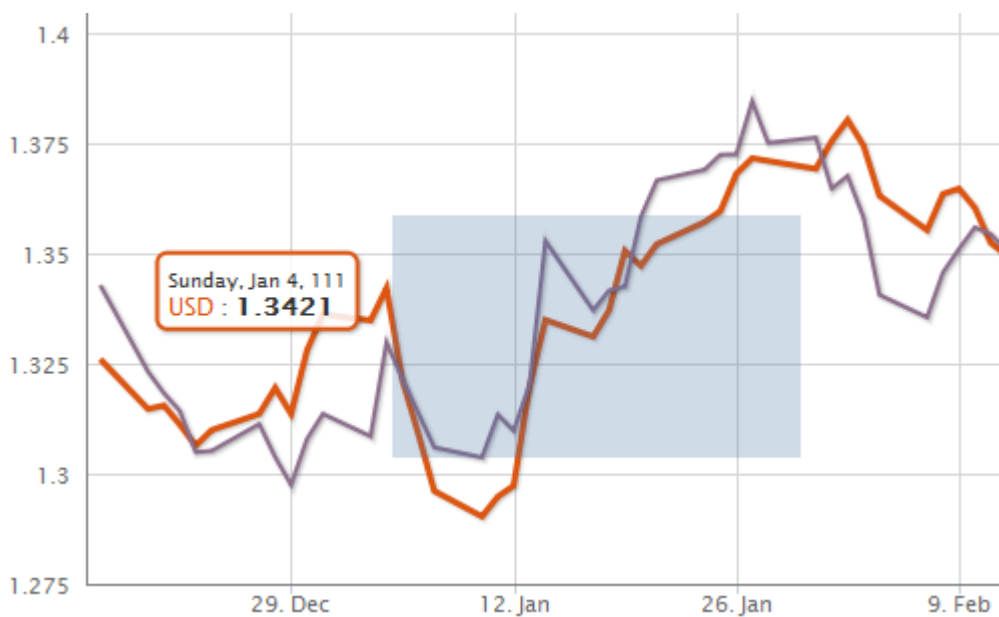
Virto Chart Properties

Chart type  
Line ▼

☒ Enable chart printing

☒ Enable chart exporting

☐ Enable chart zoom



Check the box **“Stacked chart”** if you want to show the relationship of parts to the whole. This option is available only for Line and Bar charts.

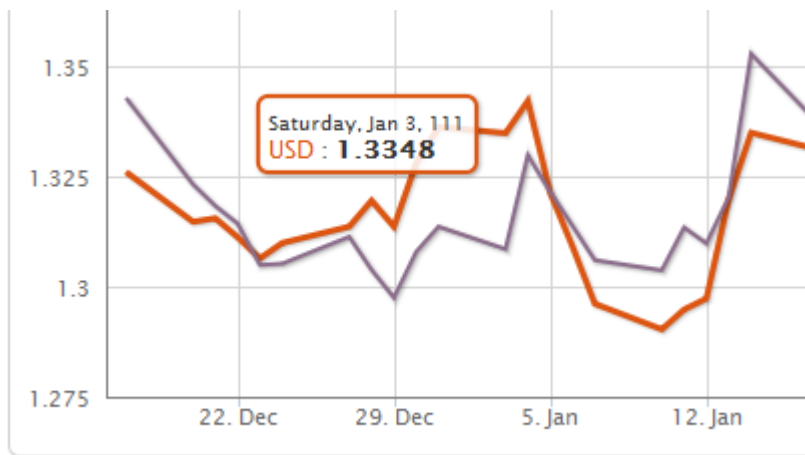
☐ Stacked chart (for Line and Bar charts only)

☐ Fill to zero (for Line charts only)

☐ Highlight data points

If you're adjusting Line chart, you can use **“Fill to zero”** option.

Check the box **“Highlight data points”** if you're adjusting Line chart. When you put cursor on a certain point that shows data, the data will be highlighted.



Define **bar width**, **bar padding** and **bar margin** for **Bar type** chart. It is also possible to select vertical or horizontal orientation for Bar type chart.

Chart type  
Bar ▼

Bar chart orientation  
Vertical ▼

BarWidth  
20 px

BarPadding  
5

BarMargin  
30

Define **Pie chart diameter** and **Pie chart slice margin** for **Pie type** chart.

◀ Virto jQuery Chart Web Part for SharePoint 2013 x

Virto Chart Properties

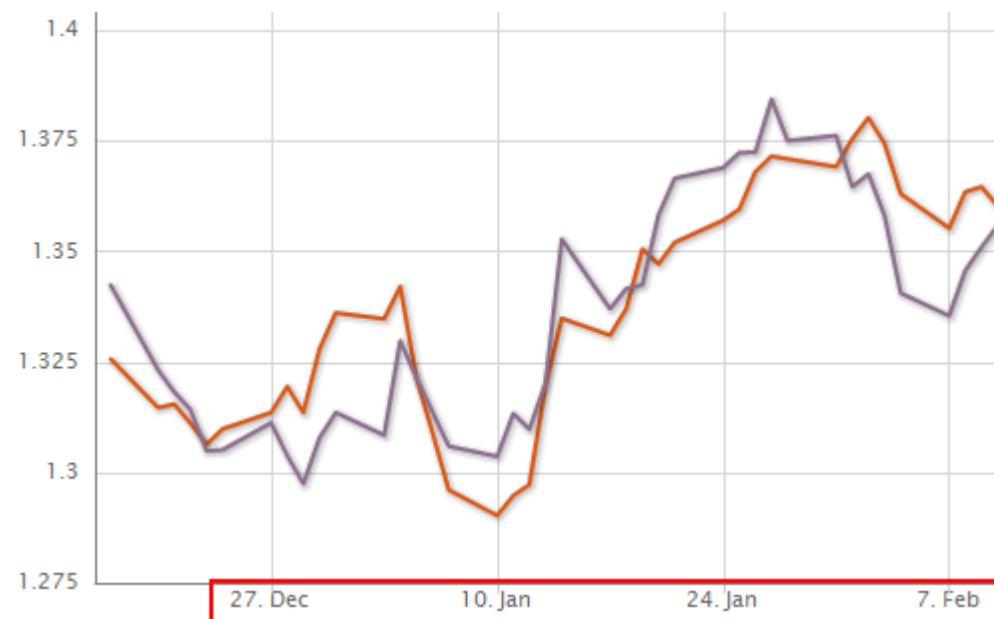
Chart type  
Pie ▼

Pie chart diameter  
px

Pie chart slice margin  
px



First define **X axis** properties. Enter X axis **label**. If X axis has **"datetime"** type, you can enter X axis tick **label format**. Check the box **"Show X axis labels"** to show values of X axes (for bar and line types). Check the box **"Autoscale axis"** to scale it automatically (maximum and minimum values will be defined automatically). Select **color** for displayed X axis.






**Acceptable format codes are:**

Code	Result	Description
	== Years ==	
%Y	2008	Four-digit year
%y	08	Two-digit year
	== Months ==	
%m	09	Two-digit month
%#m	9	One or two-digit month
%B	September	Full month name
%b	Sep	Abbreviated month name
	== Days ==	
%d	05	Two-digit day of month
%#d	5	One or two-digit day of month
%e	5	One or two-digit day of month
%A	Sunday	Full name of the day of the week
%a	Sun	Abbreviated name of the day of the week
%w	0	Number of the day of the week (0 = Sunday, 6 = Saturday)
%o	th	The ordinal suffix string following the day of the month
	== Hours ==	
%H	23	Hours in 24-hour format (two digits)
%#H	3	Hours in 24-hour integer format (one or two digits)
%I	11	Hours in 12-hour format (two digits)
%#I	3	Hours in 12-hour integer format (one or two digits)
%p	PM	AM or PM
	== Minutes ==	
%M	09	Minutes (two digits)
%#M	9	Minutes (one or two digits)
	== Seconds ==	
%S	02	Seconds (two digits)
%#S	2	Seconds (one or two digits)
%s	1206567625723	Unix timestamp (Seconds past 1970-01-01 00:00:00)
	== Milliseconds ==	
%N	008	Milliseconds (three digits)
%#N	8	Milliseconds (one to three digits)

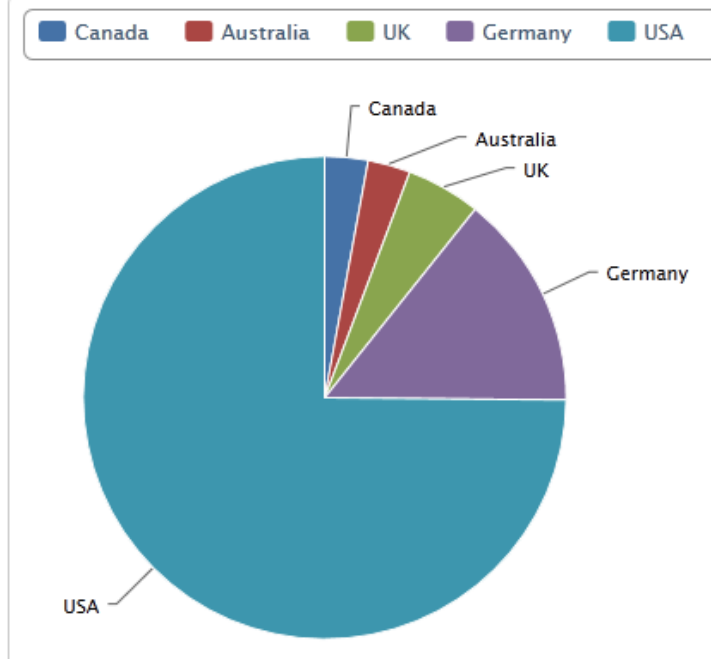
If X axis has number format, you can define custom labels in the chart. Just select field for X axis data labels.

 new item or edit this list

All Items ...  

✓	Title		AxisX ↑	AxisY
	Canada 🇨🇦	...	1	3
	Australia 🇦🇺	...	1.5	
	UK 🇬🇧	...	1.6	
	Germany 🇩🇪	...	2.4	
	USA 🇺🇸	...	2.96	3

### Virto jQuery Chart Web Part for SharePoint [4]



Then define parameters for **Y axis** (label, autoscaling, color). Check the box **"Show Y axis labels"** to show Y values on chart (for bar and line types).

**Y axis**

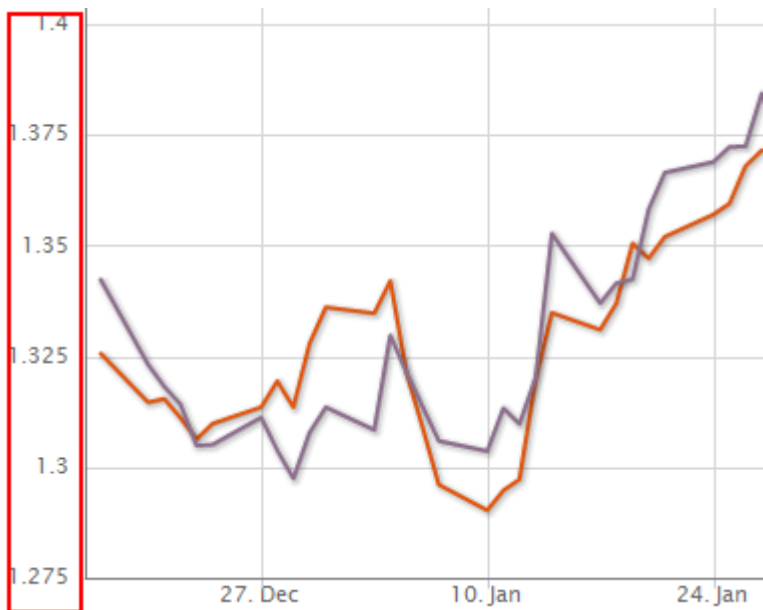
Y axis title

☒ Show Y axis labels

☒ Autoscale axis

Y axis color


R:  G:  B:



**Note:** Y axis can have *only positive values* in charts of *Pie* type.

Moreover, it is allowed to define **font settings** for axes labels. Move down to “Axis labels font settings” and define font size in pixels, font color and axes labels position. The position is defined according to chosen axis labels position. For instance, if you need to define it more accurately.

Axis labels font settings

Axis labels font size  
 px

Axis labels font color

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

R:  G:  B:

Axis labels position  
 X:  Y:





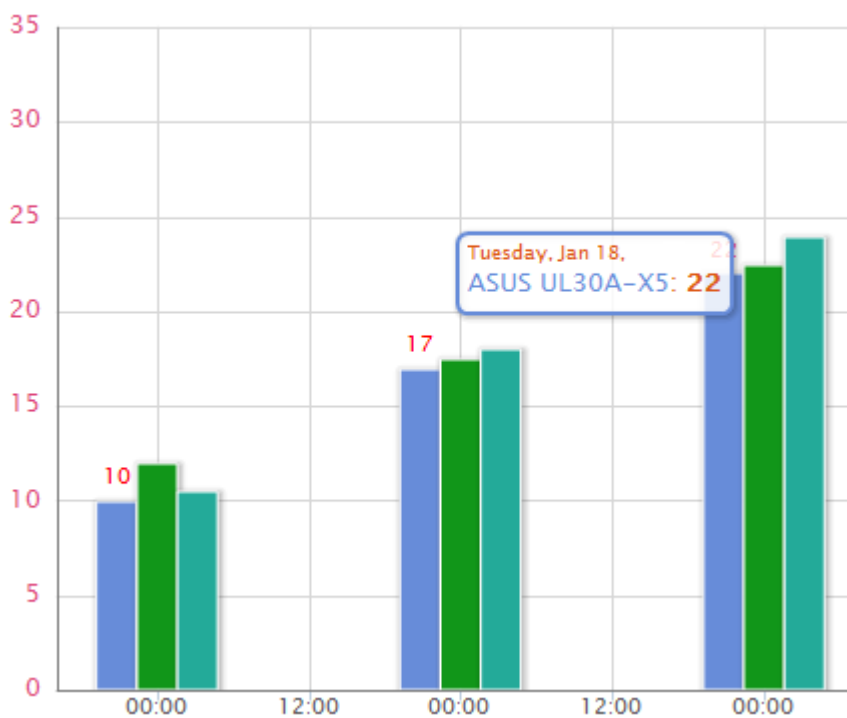
You can also define color and font size for tooltip.

Tooltip font settings

Tooltip font size  
13 px

Tooltip font color

R: 221 G: 85 B: 17



## Data Source Settings

Data for charts are taken from data sources. The more graphs you need to show on chart, the more data sources you need to add. Virto JQuery Charts enable users to add data sources of three types – **SharePoint list**, **XML file** or **SQL database**.

Click “**Create new data source**”.

Data sources list

1 jQueryTest

Create new data source

### 1) SharePoint list.

Enter **data source name**, decide whether to check boxes **“Show on chart”**, **“Show data values on chart”** and **“Show markers”** or not.

Define font size and positions of data labels. For instance, define larger font size in pixels.

Create new data source

---

Data source name

☒ Show on chart

☐ Show data values on chart

Data labels font settings

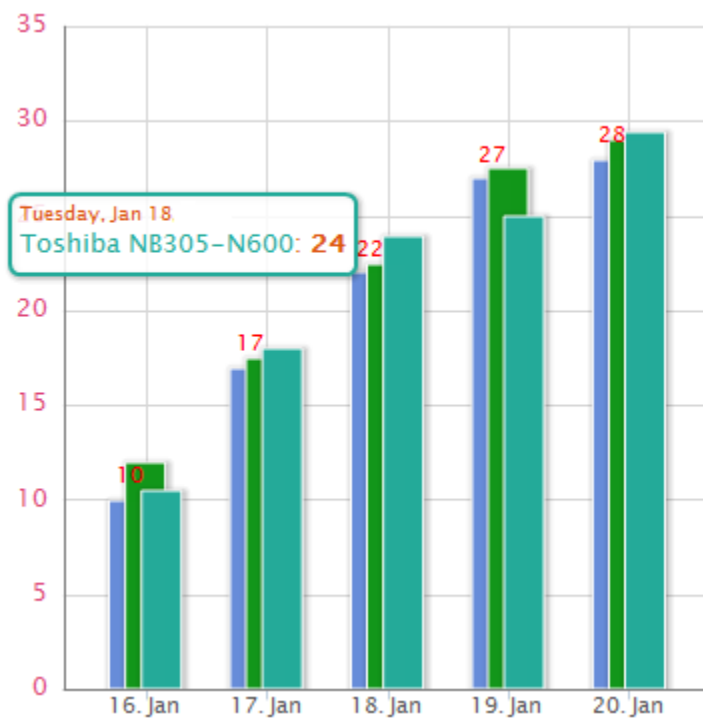
Data labels font size

 px

Data labels position

X:  Y:

☒ Show markers



Select **marker type** (diamond, circle, square, x, plus, dash, filled diamond, filled circle, filled square).

Select **“SharePoint list”** in the list of data source types.

Marker type  
diamond ▼

Data source type

☒ Sharepoint list  
☐ SQL Server  
☐ Xml file

Sharepoint list

Select sharepoint site  
Home ▼

Select site list  
Releases ▼

Filtering options

☒ None ☐ List view

Then select **SharePoint site and SharePoint list**. Define **filtering options**, if you need.

Then select **source fields** with data for X and Y axes, and define **color** of line. If **X axis** has **datetime** format, data **aggregation** option is available. In this case select **aggregation unit** (year, month, day, hour, minute) for grouping data.

You can also define **values grouping** for **Y axis** of any type that will be applied to shown data (grouping by **sum**, **average**, **amount**, **percent** or **none**).

**Note:** data aggregation option is available only if grouping is defined.

X axis properties

Select X axis  
AxisX ▼


Select field for X axis data labels  
AxisX ▼

Y axis properties

Select Y axis  
AxisY ▼

Select values grouping  
Sum ▼

Chart color



R: 16 G: 150 B: 24

Save Cancel

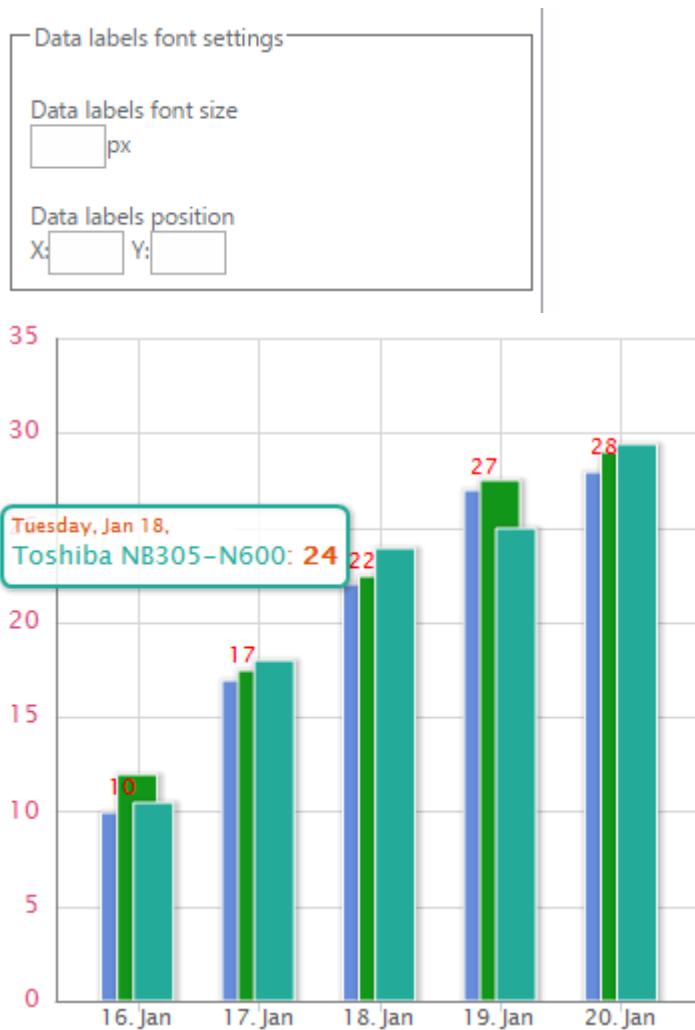


Click **“Save”** to save data source settings.

## 2) XML file.

Enter **data source name**, decide whether to check boxes **“Show on chart”**, **“Show data values on chart”** and **“Show markers”** or not.

Define font size and positions of data labels. For instance, define larger font size in pixels.



Select **marker type** (diamond, circle, square, x, plus, dash, filled diamond, filled circle, filled square).

Select **“XML file”** in the list of data source types.

Then define **xml file path**, **xml name spaces**, **xml data records path**. Define **X axis** properties.

Marker type  
diamond ▼

Data source type

☐ Sharepoint list

☐ SQL Server

☒ Xml file

Xml file settings

Path to xml file  
http://www.ecb.europa

Xml namespaces

g  
http://www.gesme  
s.org/xml/2015-09-  
01  
x  
http://www.ecb.int/

XPath string to data records  
g:exvelope//x:Cube[@t

X axis properties

Select X axis  
@time

XAxisType

**Note:** XPath examples can be taken from [msdn.microsoft.com](http://msdn.microsoft.com) site.


Then define **Y axis** properties.

Y axis properties

Select Y axis  
x:Cube[@currency="U!

Select values grouping  
[None] ▼

Chart color



R: 102 G: 140 B: 217

Save Cancel

You can also define **values grouping** for **Y axis** of any type that will be applied to shown data (grouping by **sum**, **average**, **amount**, **percent** or **none**).

**Note:** data aggregation option is available only if grouping is defined.

Click **“Save”** to save data source settings.

### 3) SQL Server.

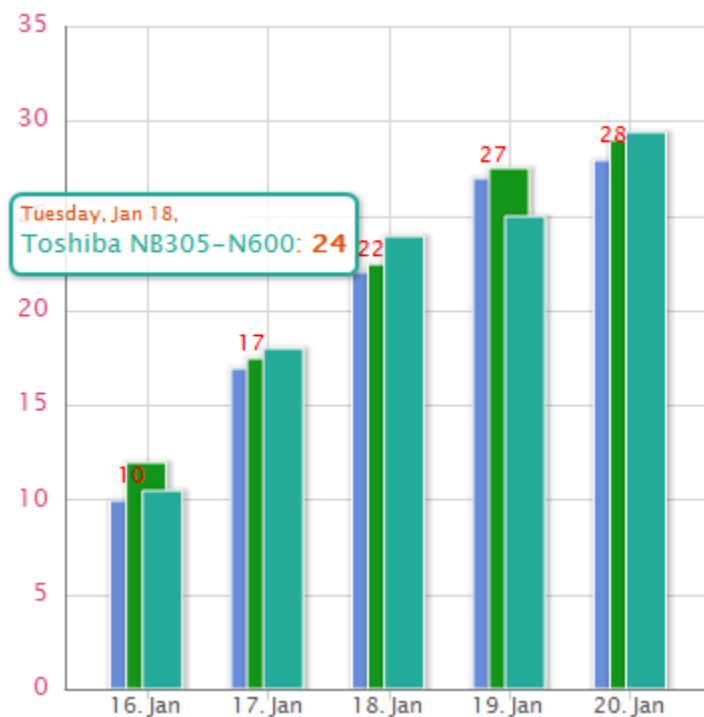
Enter **data source name**, decide whether to check boxes **“Show on chart”**, **“Show data values on chart”** and **“Show markers”** or not.

Define font size and positions of data labels. For instance, define larger font size in pixels.

Data labels font settings

Data labels font size  
 px

Data labels position  
X:  Y:



Select **marker type** (diamond, circle, square, x, plus, dash, filled diamond, filled circle, filled square).

Select **“SQL Server”** in the list of data source types.

Then enter **SQL server**, **user name** and **password** and click **“Browse”** to connect to SQL database.

Marker type  
filled diamond ▼

Data source type

☐ Sharepoint list

☒ SQL Server

☐ Xml file

SQL Server

☐ Use Trusted Connection (Only for Databases on this SharePoint Server)

SQL Server  
virto06server

UserName  
virtosoftware\Admin

Password  
.....

Browse

Now select **database name**, **table name** and **X axis properties** from dropdown (available in case of successful connection to SQL server).

DatabaseName  
SQLSelectDatabase ▼

TableName  
SQLSelectTable ▼

Where clause (optional)

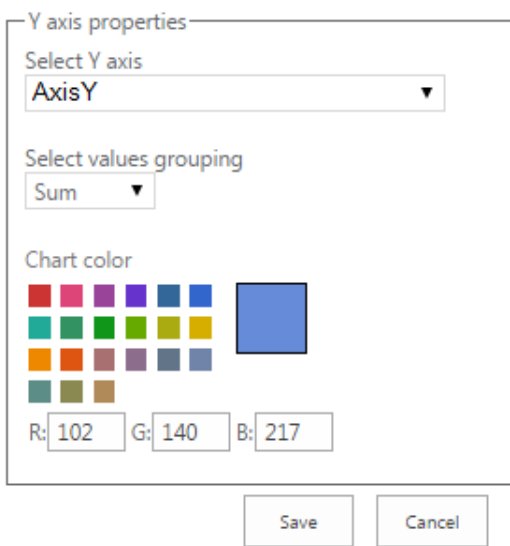
X axis properties

Select X axis  
AxisX ▼

Select field for X axis data labels  
[None] ▼

You can use query string and define in where clause a value. If in query string is a value defined, it can be pointed both in the conditions and in the query string. When data is requested from the data base, value in square brackets will be changed to the value from query string. This way you can filter displayed data.

Then define Y axis properties (**source**, **values grouping** and **data aggregation unit**).



Y axis properties

Select Y axis  
AxisY ▼

Select values grouping  
Sum ▼

Chart color

R: 102 G: 140 B: 217

Save Cancel

Define **values grouping** for **Y axis** of any type that will be applied to shown data (grouping by **sum**, **average**, **amount**, **percent** or **none**).

**Note:** data aggregation option is available only if grouping is defined.

Click “**Save**” to save data source settings.

## Title and Legend Settings

To show **title** of your chart, enter the text of title and check the box “**Show chart title**”. Select **chart title position** (right, left or center) in the dropdown.

☒ Show chart title

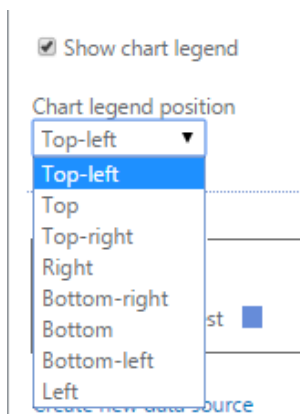
Chart title text

Chart

Chart title position

Right ▼

If you want to show **chart legend**, check the box “**Show chart legend**” and select **legend position** in the dropdown (top-left, top, top-right, right, bottom-right, bottom, bottom-left, left).



☒ Show chart legend

Chart legend position

Top-left ▼

Top-left

Top

Top-right

Right

Bottom-right

Bottom

Bottom-left

Left

Create new data source

Click **“OK”** to finish or **“Apply”** to save the settings and continue adjustment.

You can find samples of JQuery Charts usage in the next section.

## Advanced Chart Options

Advanced chart options allow flexible adjustment of chart properties.

Since we use Highcharts rendering engine for charts editing, advanced charts options are recommended for users who are familiar with Highcharts component.

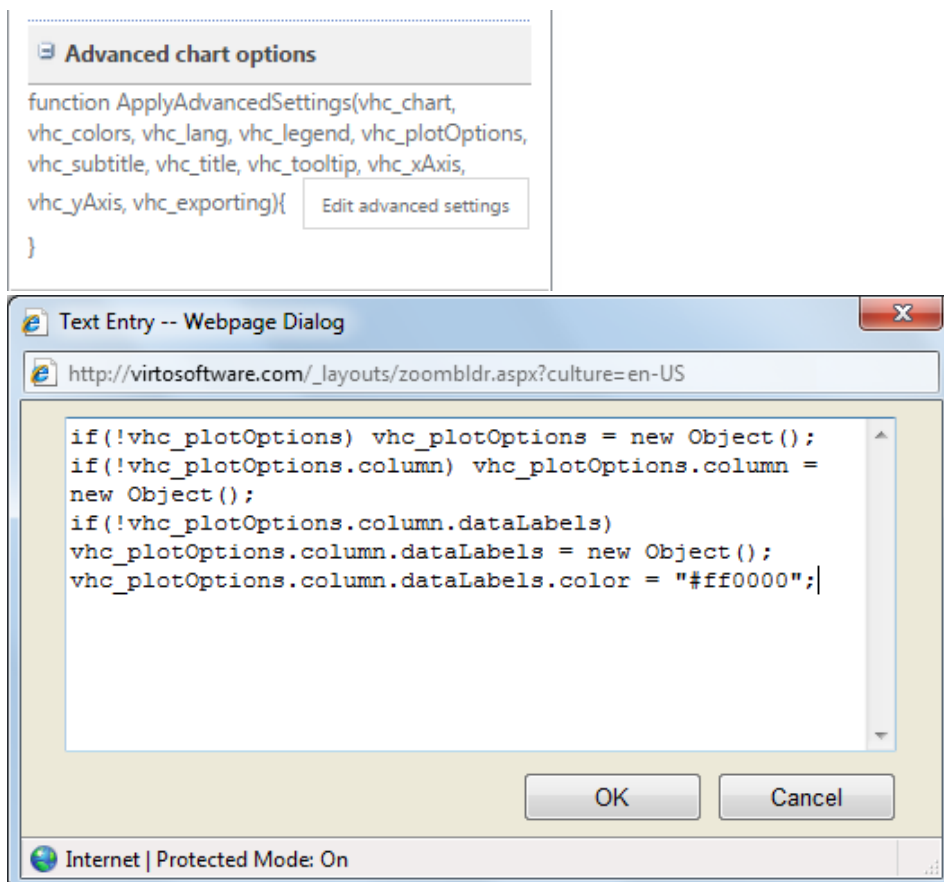
Parameters of function “ApplyAdvancesSettings” (without “vhc\_” prefix) correspond to the same parameters of Highcharts (<http://www.highcharts.com/ref/>). The common approach for modifying Highcharts options is the following:

- 1) Make sure that parameter exists. If it does not, create it.

```
if(!vhc_plotOptions) vhc_plotOptions = new Object();
if(!vhc_plotOptions.column) vhc_plotOptions.column = new Object();
if(!vhc_plotOptions.column.dataLabels) vhc_plotOptions.column.dataLabels = new Object();
```

- 2) Assign required parameter in “Avanced options” block. Click “Edit advanced settings” and enter text of parameters.

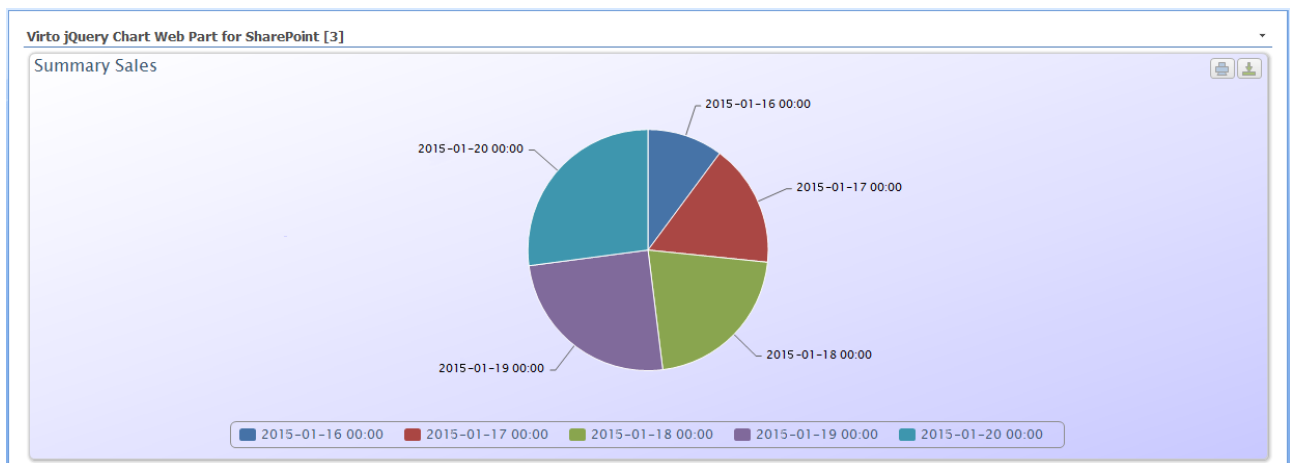
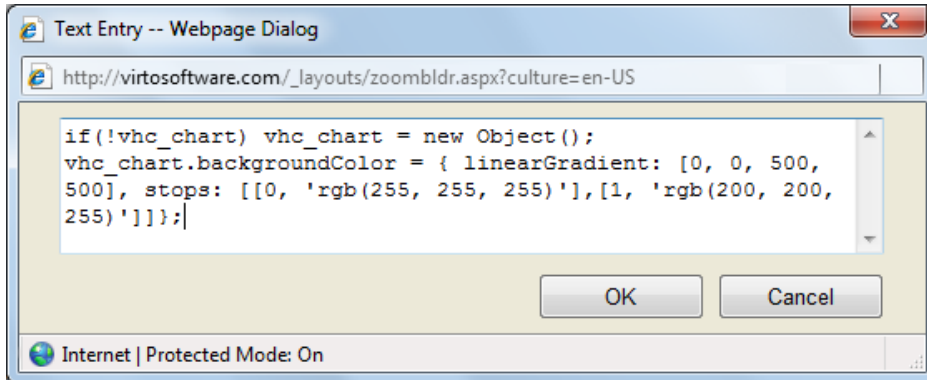
```
vhc_plotOptions.column.dataLabels.color = "#FF0000";
```



For example:

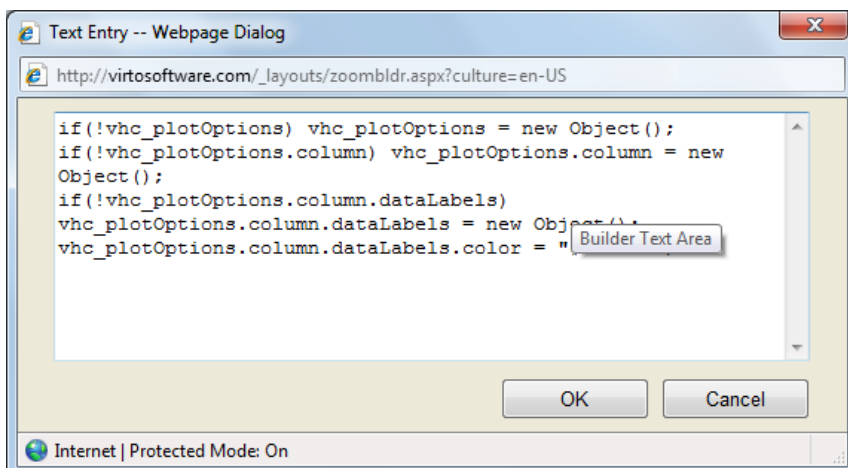
1) Adding gradient to background.

```
if(!vhc_chart) vhc_chart = new Object();
vhc_chart.backgroundColor = { linearGradient: [0, 0, 500, 500], stops: [[0, 'rgb(255, 255, 255)'],[1, 'rgb(200, 200, 255)']]};
```

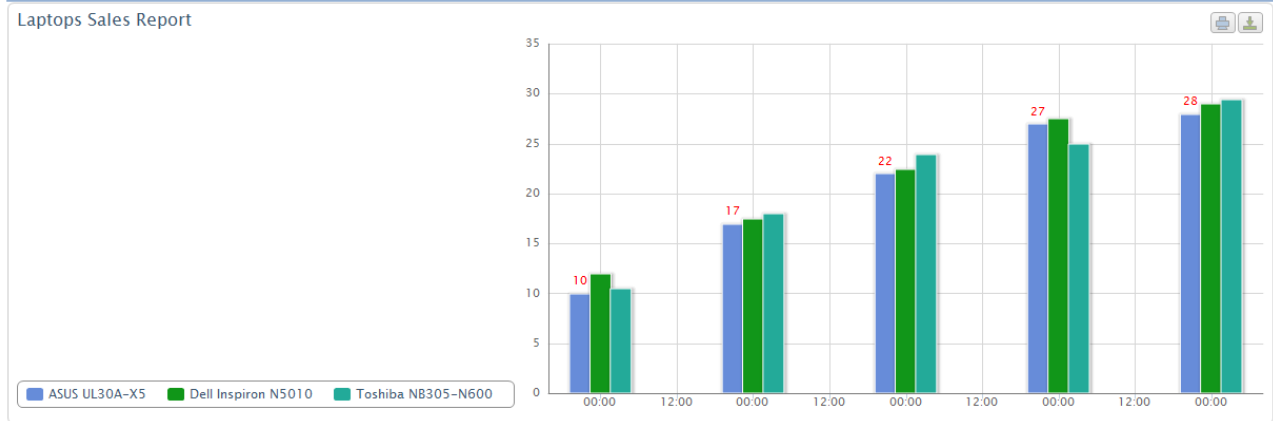


2) Changing data labels color.

```
if(!vhc_plotOptions) vhc_plotOptions = new Object();
if(!vhc_plotOptions.column) vhc_plotOptions.column = new Object();
if(!vhc_plotOptions.column.dataLabels) vhc_plotOptions.column.dataLabels = new Object();
vhc_plotOptions.column.dataLabels.color = "#ff0000";
```



Virto jQuery Chart Web Part for SharePoint [2]

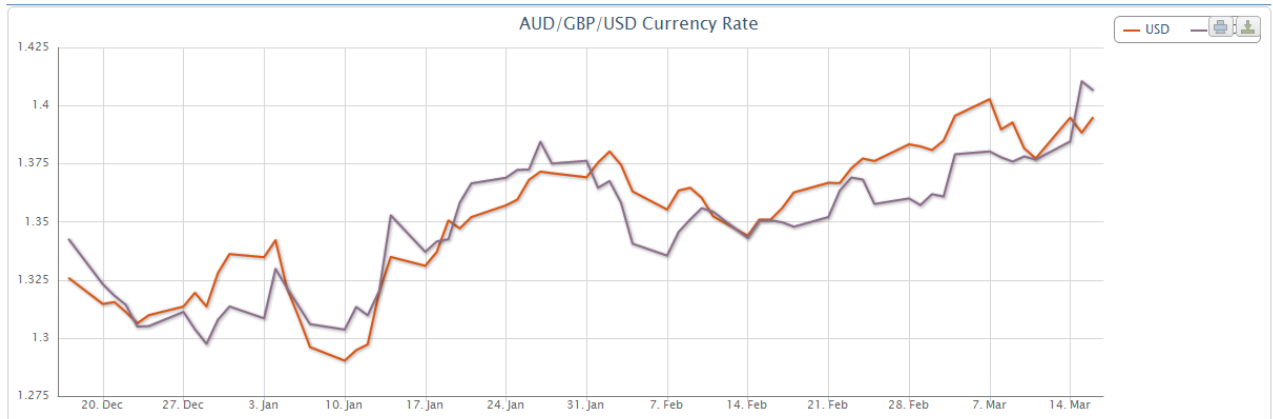


## Virto JQuery Charts Examples

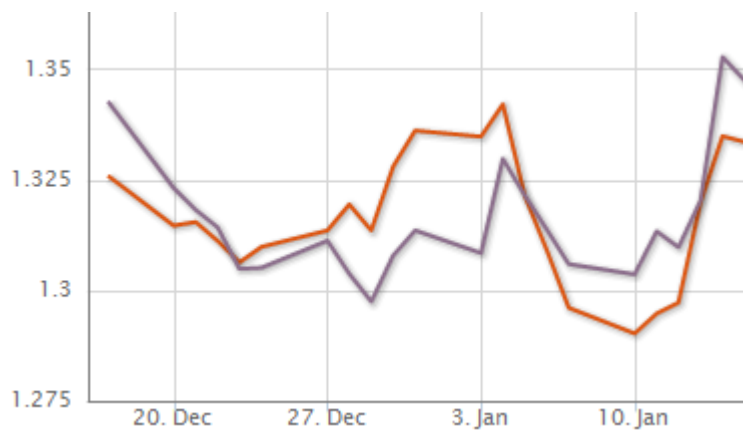
### Currency Rates Line Chart (XML Data Source)

Below is a diagram of USD and AUD rate created with Virto JQuery Charts. It's organized as a line chart with title shown on top.

Virto Chart Web Part for SharePoint

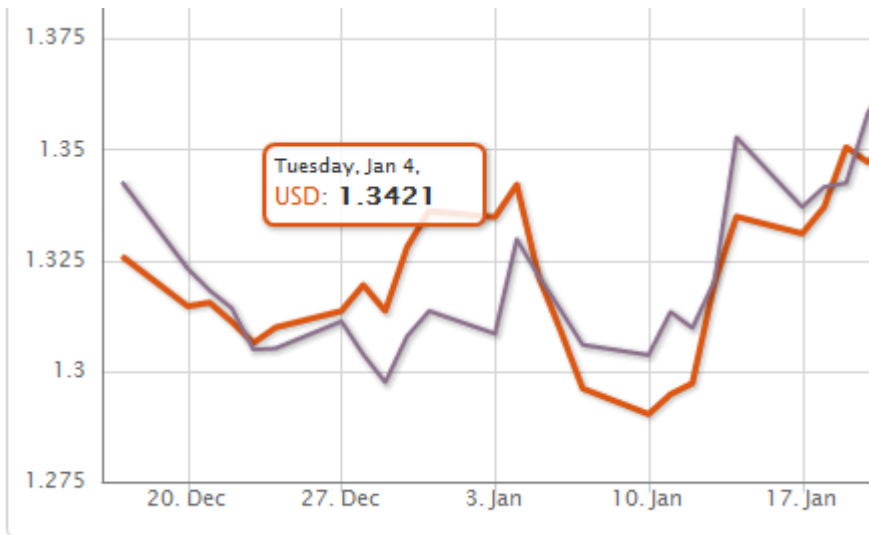


X axis shows dates and Y axis shows number values corresponding to USD and AUD.



If you put cursor on any line point, you will see date highlighted for this value.





You can see two lines (USD and UAD values). This means that two data sources are shown. Click “Edit web part” to see the settings of that chart.

Chart settings block contains full information about chart settings, where you can see that Line type of chart is selected and “Highlight data points” options is switched on.

Chart width and height are not defined.

Virto jQuery Chart Web Part for SharePoint 2013

Virto Chart Properties

Chart type  
 Line

☐ Enable chart printing

☐ Enable chart exporting

☐ Enable chart zoom

☐ Stacked chart (for Line and Bar charts only)

☐ Fill to zero (for Line charts only)

☒ Highlight data points

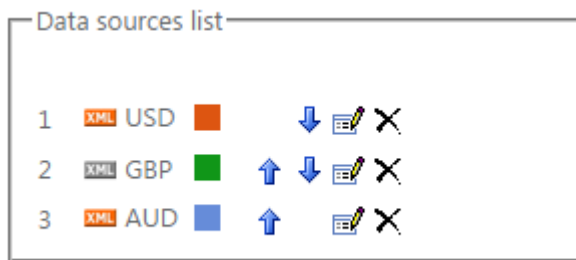
Chart width  
 px

Chart height  
 px





Three data sources are added to the chart. One of them is disabled (not shown on diagram).



XML source file looks as follows:

```
<?xml version="1.0" encoding="UTF-8" ?>
- <gesmes:Envelope xmlns:gesmes="http://www.gesmes.org/xml/2002-08-01" xmlns="http://www.ecb.int/vocabulary/2002-08-01/eurofxref">
  <gesmes:subject>Reference rates</gesmes:subject>
  <gesmes:Sender>
    <gesmes:name>European Central Bank</gesmes:name>
  </gesmes:Sender>
  <Cube>
    <Cube time="2011-01-19">
      <Cube currency="USD" rate="1.3506" />
      <Cube currency="JPY" rate="110.85" />
      <Cube currency="BGN" rate="1.9558" />
      <Cube currency="CZK" rate="24.258" />
      <Cube currency="DKK" rate="7.4513" />
      <Cube currency="ILS" rate="4.7737" />
      <Cube currency="GBP" rate="0.8433" />
      <Cube currency="HUF" rate="272.4" />
      <Cube currency="LTL" rate="3.4528" />
      <Cube currency="LVL" rate="0.7029" />
      <Cube currency="PLN" rate="3.8658" />
      <Cube currency="RON" rate="4.2595" />
      <Cube currency="SEK" rate="8.9325" />
      <Cube currency="CHF" rate="1.2964" />
      <Cube currency="NOK" rate="7.826" />
      <Cube currency="HRK" rate="7.3915" />
      <Cube currency="RUB" rate="40.2625" />
      <Cube currency="TRY" rate="2.0792" />
      <Cube currency="AUD" rate="1.3425" />
      <Cube currency="BRL" rate="2.2543" />
      <Cube currency="CAD" rate="1.3388" />
      <Cube currency="CNY" rate="8.8902" />
      <Cube currency="HKD" rate="10.5045" />
      <Cube currency="IDR" rate="12228.87" />
      <Cube currency="INR" rate="61.3172" />
      <Cube currency="KRW" rate="1500.81" />
      <Cube currency="MXN" rate="16.2268" />
    </Cube>
  </Cube>
</gesmes:Envelope>
```

Open USD data source block with "Edit" button to see the settings.

Pay attention to XML file settings defined in this block.

Marker type  
diamond ▼

Data source type

☐ Sharepoint list

☐ SQL Server

☒ Xml file

Xml file settings

Path to xml file  
http://www.ecb.europa

Xml namespaces

g  
http://www.gesme  
s.org/xml/2015-09-  
01  
x  
http://www.ecb.int/

XPath string to data records  
g:exvelope//x:Cube[@t

X axis properties

Select X axis  
@time

XAxisType

Y axis properties

Select Y axis  
x:Cube[@currency="U!

Select values grouping  
[None] ▼

Chart color

R: 102 G: 140 B: 217

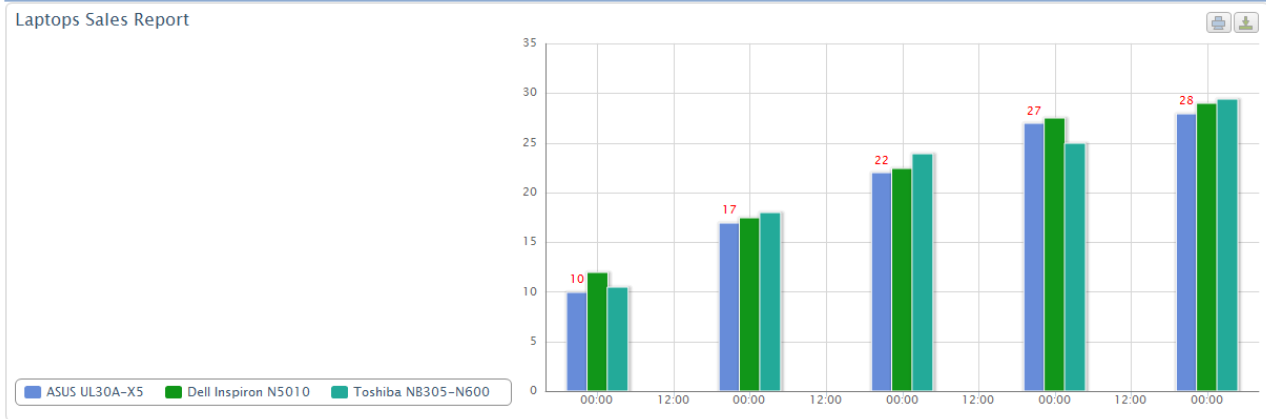
Save Cancel

The same way you can view AUD data source settings.

### Sales Results Bar Chart (SharePoint List Data Source)

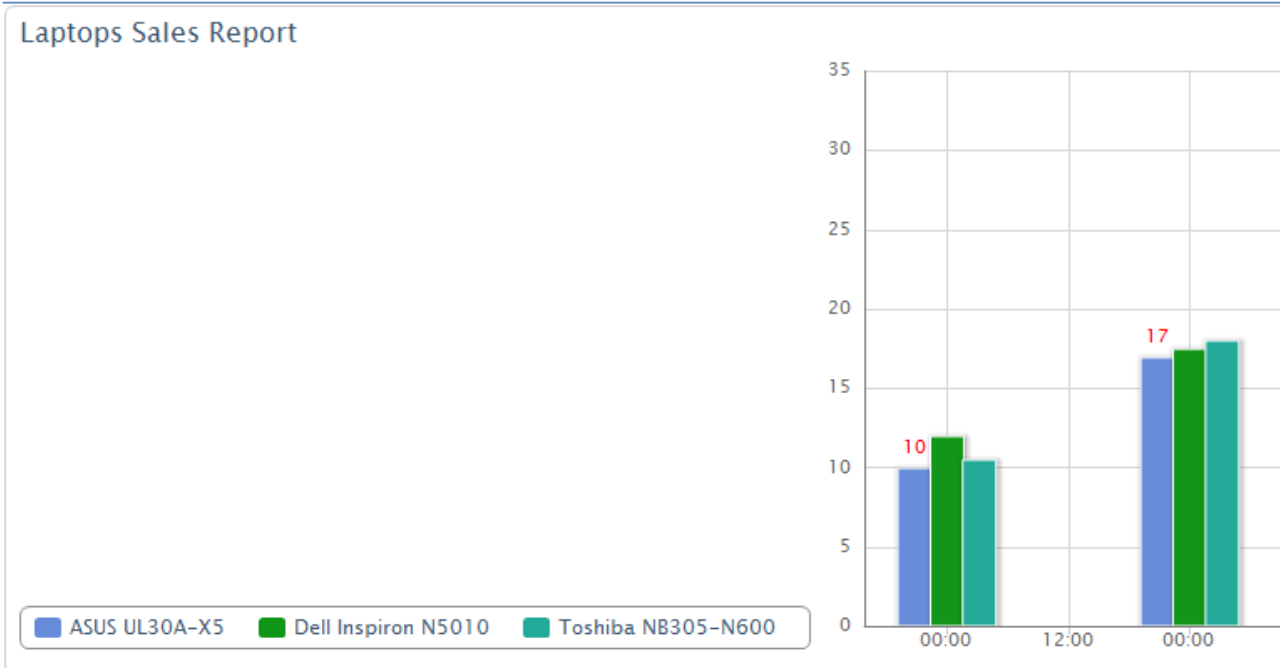
The next sample is a Bar chart of laptops' sales. For example, we need to see the dynamics of three laptop models sales.

Virtto jQuery Chart Web Part for SharePoint [2]



X axis shows dates and Y axis shows number values of Sales in thousands of USD. The chart shows sales dynamics of three models – ASUS UL30A-XS, Dell Inspiron N5010 and Toshiba NB305-N600. The Dynamics is shown for 5 days. Chart title and chart legend are placed on the left.

Virtto jQuery Chart Web Part for SharePoint [2]



Since the chart shows sales dynamics of three models, three data sources are used. Click “Edit web part” to see the settings of the chart.

Bar chart type with vertical orientation is selected. Bar width, bar padding and bar margin are defined. Checkboxes are not switched on.

Virto jQuery Chart Web Part for SharePoint 2013 x

Virto Chart Properties

Chart type  
Bar ▼

Bar chart orientation  
Vertical ▼

BarWidth  
16 px

BarPadding  
10

BarMargin  
10

☐ Enable chart printing

☐ Enable chart exporting



☐ Enable chart zoom

☐ Stacked chart (for Line and Bar charts only)

Grid options are the same as in previous sample chart.

Grid properties



Chart background color

R: 255 G: 255 B: 255

☒ Draw grid lines



Grid lines color

R: 215 G: 215 B: 215

Grid line width  
1 px

Grid border color

R: 205 G: 205 B: 205

Properties of X and Y axes are also the same as in previous section.

**Axes Properties**

X axis

X axis title

☒ Show X axis labels

☒ Autoscale axis

X axis color

R: 125

G: 125

B: 125

Label for Y axis is not shown. Chart title is shown on the left.

Chart legend is shown on left position.

**Chart fonts settings**

☒ Show chart title

Chart title text

Laptops Saled Report

Chart title position

Left ▼

---

☒ Show chart legend

Chart legend position

Left ▼

Three data sources are added to the chart (data from SharePoint list).

Data sources list

1

ASUS UL30A-X5

2

Dell Inspiron N5010

3

Toshiba NB305-N600



Source SharePoint list looks as follows:

# Laptops Sales Report

[+ new item](#) or [edit this list](#)

All Items

...

Find an item



✓	Number	Date	ASUS UL30A-X5	Dell Inspiron N5010 ↑	Toshiba NB305-N600	Sum
1	...	1/16/2015 12:00 AM	10	12	10.5	32.5
2	...	1/17/2015 12:00 AM	17	17.5	18	52.5
3	...	1/18/2015 12:00 AM	22	22.5	24	68.5
4	...	1/19/2015 12:00 AM	27	27.5	25	79.6
5	...	1/20/2015 12:00 AM	28	29	29.5	86.5

Now let us see how settings are defined for the data sources.

SharePoint list is selected as a data source; data source is shown on chart (checkbox).

Data source name

ASUS UL30A-X5

☒ Show on chart

☐ Show data values on chart

Data labels font settings

Data labels font size

px

Data labels position

X:  Y:

☐ Show markers

Marker type

diamond

Data source type

- ☒ Sharepoint list
- ☐ SQL Server
- ☐ Xml file

SharePoint site and list where data will be taken from are defined. Date is selected as X axis and laptop model is selected as Y axis.

Sharepoint list  
Select sharepoint site  
dev ▼  
Select site list  
Laptops Sales Report ▼  
Filtering options  
☒ None ☐ List view

X axis properties  
Select X axis  
Date ▼  
Select field for X axis data labels  
ASUS UL30A-X5 ▼

Advanced options are defined for this chart.

If you need to modify the appearance of chart, change its type or Axe properties, make all the required changes in the settings block and click “OK” or “Apply” to save the settings.

### Sales Results Pie Chart (SharePoint List Data Source)

You can use the same data source and create Pie chart that will show summary sale results for each day.

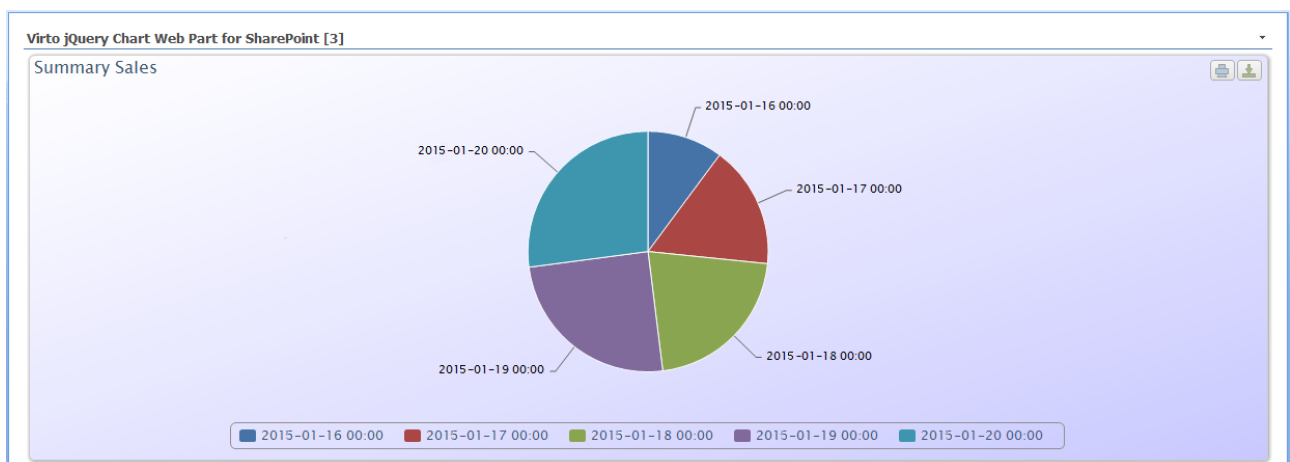


Chart legend is on the left. Now let us see chart settings. Pie chart type is selected, chart diameter is defined in pixels. “Fill chart” box is checked.

Virtto jQuery Chart Web Part for SharePoint 2013 x

Virtto Chart Properties  
Chart type  
Pie ▼  
Pie chart diameter  
px  
Pie chart slice margin  
3 px

Grid and axes properties are the same as in previous sample chart.

Chart title is shown on the left (see checkbox).

**Chart fonts settings**

☒ Show chart title

Chart title text

Chart title position

You can add one data source and this may be enough for Pie chart.

Data sources list

1

SP List

Data source settings are shown below. SharePoint list selected as a data source.

The same list is selected as a data source. X axis is "Date" field and Y axis is "Sum" field.

Data source type

☒ Sharepoint list  
☐ SQL Server  
☐ Xml file

Sharepoint list

Select sharepoint site

Select site list

Filtering options  
☒ None ☐ List view

X axis properties

Select X axis

Select field for X axis data labels

Y axis properties

Select Y axis

Select values grouping

SharePoint source list looks as follows.

# Laptops Sales Report

[+ new item](#) or [edit this list](#)

All Items

...

Find an item



✓	Number	Date	ASUS UL30A-X5	Dell Inspiron N5010 ↑	Toshiba NB305-N600	Sum
1	✱	... 1/16/2015 12:00 AM	10	12	10.5	32.5
2	✱	... 1/17/2015 12:00 AM	17	17.5	18	52.5
3	✱	... 1/18/2015 12:00 AM	22	22.5	24	68.5
4	✱	... 1/19/2015 12:00 AM	27	27.5	25	79.6
5	✱	... 1/20/2015 12:00 AM	28	29	29.5	86.5

Colors of pie sectors are defined automatically. Advanced options are defined for this chart.

## Version Release History

Release Date	Version	Description
11-19-2020	v.2.2.1	[*] License manager has been updated
2013-2020	v. 2.0 – 2.2	[-] Bug fixing
09-06-2013	v.2.0.0	[+] New license manager
07-18-2012	v.1.5.0	[+] Chart title font customization options have been added. [+] Chart legend font customization options have been added. [+] Chart data labels font customization options have been added. [+] Chart tooltip font customization options have been added. [+] Chart axes labels font customization options have been added. [+] Option for SQL WHERE clause has been added for SQL data source type. [*] Skipping NULL values for SQL data source has been added.
11-24-2011	v. 1.3.2	[+] Added option for displaying custom labels for X axis.
11-23-2011	v.1.3.0-1.3.1	Internal releases
03-15-2011	v. 1.2.0	[+] Options for turning off axes labels have been added. [+] Ability to edit advanced chart options has been added.
01-21-2011	v. 1.0.0	First public release.