



Real Time Chart Parameters

The following topics provide the parameters that appear in real time charts. Prime Analytics real time charts are designed to operate with continuous streams of data. Five real time charts are provided:

- [Real Time Line Dual Y Axis Report Properties, page A-1](#)
- [Real Time Column Chart Properties, page A-3](#)
- [Real Time Line Chart Properties, page A-4](#)
- [Real Time Stacked Area Properties, page A-5](#)
- [Real Time Angular Gauge Properties, page A-6](#)

Real Time Line Dual Y Axis Report Properties

[Table A-1](#) lists the Real Time Line Dual Y parameters.

Table A-1 *Real Time Line DY Chart Properties*

Name	Type
Basic Properties	
Chart Caption	String
Chart Sub Caption	String
X Axis Name	String
Primary Y Axis Name	String
Secondary Y Axis Name	String
Data Refresh Interval	Number
Show legend	Boolean (0/1)
Name	String
Path	String
DataAccessId	String
Charts Type	String
Width	String
Height	String
HtmlObject	String

Table A-1 *Real Time Line DY Chart Properties (continued)*

Name	Type
Advanced Attributes	
Canvas Background Color	Color Code
Canvas Border Thickness	Number
Chart Background Color	Color Code
Chart Border	Boolean (1/0)
Chart Border Color	Color Code
Clear Chart Interval	Number
Max number of data points to plot	Number
Show Y Axis Values	Boolean (0/1)
Y axis decimal places	Number
Secondary Y axis decimal places	Number
X axis show labels	Boolean (0/1)
X axis label display	WRAP, STAGGER, ROTATE, or NONE
X axis slant labels (for ROTATE)	Boolean (0/1)
X axis label step	Number
X axis show values	Boolean (0/1)
X axis rotate values	Boolean (0/1)
Legend Position	RIGHT or BOTTOM
Number format	Boolean (0/1)
Number Prefix	String
Number Suffix	String
Number of Decimal points	Number
Format number scale (K,M)	Boolean (0/1)
Base Font	Font Name
Base Font Size	Number
Base Font Color	Color Code
Chart Link	String
Fusion Chart seriesParam name	String
Fusion Chart categoriesParam name	String
Fusion Chart valueParam name	String
Parameters	String
Listeners	String

Real Time Column Chart Properties

Table A-2 lists the Real Time Column Chart parameters.

Table A-2 Real Time Column Chart Properties

Name	Type
Basic Properties	
Chart Caption	String
Chart Sub Caption	String
X Axis Name	String
Y Axis Name	String
Data Refresh Interval	Number
Show legend	Boolean (0/1)
Name	String
Path	String
DataAccessId	String
Charts Type	String
Width	String
Height	String
HtmlObject	String
Advanced Properties	
Canvas Background Color	Color Code
Canvas Border Thickness	Number (Pixels)
Chart Background Color	Color Code
Chart Border	Boolean (1/0)
Chart Border Color	Color Code
Clear Chart Interval	Number
Max number of data points to plot	Number
Show Y Axis Values	Boolean (0/1)
Y axis decimal places	Number
X axis show labels	Boolean (0/1)
X axis label display	WRAP, STAGGER, ROTATE or NONE
X axis slant labels (for ROTATE)	Boolean (0/1)
X axis label step	Number
X axis show values	Boolean (0/1)
X axis place values inside	Boolean (0/1)
X axis rotate values	Boolean (0/1)
Legend Position	RIGHT or BOTTOM
Number format	Boolean (0/1)

Table A-2 *Real Time Column Chart Properties (continued)*

Name	Type
Number Prefix	String
Number Suffix	String
Number of Decimal points	Number
Format number scale (K,M)	Boolean (0/1)
Base Font	Font Name
Base Font Size	Number
Base Font Color	Color Code
Chart Link	String
Fusion Chart seriesParam name	String
Fusion Chart categoriesParam name	String
Fusion Chart valueParam name	String
Parameters	String
Listeners	String

Real Time Line Chart Properties

Table A-3 lists the Real Time Line Chart parameters.

Table A-3 *Real Time Line Chart Properties*

Name	Type
X axis rotate values	Boolean (0/1)
Show legend	Boolean (0/1)
Legend Position	RIGHT or BOTTOM
Number format	Boolean (0/1)
Number Prefix	String
Number Suffix	String
Number of Decimal points	Number
Format number scale (K,M)	Boolean (0/1)
Base Font	Font Name
Base Font Size	Number
Base Font Color	Color Code
Name	String
Path	String
DataAccessId	String
Charts Type	String

Table A-3 Real Time Line Chart Properties (continued)

Name	Type
Chart Link	String
Fusion Chart seriesParam name	String
Fusion Chart categoriesParam name	String
Fusion Chart valueParam name	String
Width	String
Height	String
Parameters	String
HtmlObject	String
Listeners	String

Real Time Stacked Area Properties

Table A-4 lists the Real Time Stacked Area parameters.

Table A-4 Real Time Stacked Area Properties

Name	Type
Canvas Background Color	Color
Canvas Border Thickness	Integer
Chart Background Color	Color
Chart Border	Boolean
Chart Border Color	Color
Stack 100 Percent	Boolean
Show Percent Values	Boolean
Show Percent In Tool Tip	Boolean
Chart Caption	String
Chart Sub Caption	String
X Axis Name	String
Y Axis Name	String
Data Refresh Interval	Integer
Clear Chart Interval	Integer
Max number of data points to plot	Integer
Show Y Axis Values	Boolean
Y axis decimal places	Integer
X axis show labels	Boolean
X axis label display	String
X axis slant labels (for ROTATE)	Boolean

Table A-4 *Real Time Stacked Area Properties (continued)*

Name	Type
X axis label step	Integer
X axis show values	Boolean
X axis rotate values	Boolean
Show legend	Boolean
Legend Position	String
Number format	Boolean
Number Prefix	String
Number Suffix	String
Number of Decimal points	Integer
Format number scale (K,M)	Boolean
Base Font	String
Base Font Size	Integer
Base Font Color	Color
Name	String
Path	String
DataAccessId	Integer
Charts Type	String
Chart Link	String
Fusion Chart seriesParam name	String
Fusion Chart categoriesParam name	String
Fusion Chart valueParam name	String
Width	Integer
Height	Integer
Parameters	String
HtmlObject	String
Listeners	String

Real Time Angular Gauge Properties

[Table A-5](#) lists the Real Time Angular Gauge parameters.

Table A-5 *Angular Gauge Properties*

Property Name	Type
Chart Background Color	Color Code
Chart Border	Boolean (1/0)
Chart Border Color	Color Code

Table A-5 Angular Gauge Properties (continued)

Property Name	Type
Show Gauge Value	Boolean (0/1)
Show Value Below Pivot	Boolean (0/1)
Gauge Lower Limit Label	String
Gauge Upper Limit Label	String
Show Tick Marks	Boolean (0/1)
Show Tick Values	Boolean (0/1)
Show Tick Limits	Boolean (0/1)
Place Tick Inside	Boolean (0/1)
Place Values Inside	Boolean (0/1)
Auto Align Tick Values	Boolean (0/1)
Data Refresh Interval	Number
Number format	Boolean (0/1)
Number Prefix	String
Number Suffix	String
Number of Decimal points	Number
Format number scale (K,M)	Boolean (0/1)
Base Font	Font Name
Base Font Size	Number
Base Font Color	Color Code
Gauge Start Angle	Number (-360-360)
Gauge End Angle	Number (-360-360)
Show Gauge Border	Boolean (0/1)
Gauge Border Color	Color Code or Fill Mix formula (but single token)
Gauge Border Thickness	Number (Pixels)
Name	String
Path	String
DataAccessId	String
Charts Type	String
Chart Link	String
Fusion Chart seriesParam name	String
Fusion Chart categoriesParam name	String
Fusion Chart valueParam name	String
Width	String
Height	String
Parameters	String

Table A-5 Angular Gauge Properties (continued)

Property Name	Type
HtmlObject	String
Listeners	String
Range Colors Array	String Array
Intervals Array	String Array

Real Time Chart Parameter Definitions

Table A-6 provides an alphabetical list of parameters used in real time charts.

Table A-6 Real Time Chart Parameters

Parameter	Description
Auto Align Tick Values	Whether to ask the chart to automatically place tick values to reduce overlapping of the tick values with the gauge.
Base Font	Sets the font face (family) of all chart text (data labels, values etc.). If you also specify the outCnvBaseFont attribute, this attribute controls only the font face of text within the chart canvas bounds.
Base Font Color	Sets the base font color, that is, all chart values and names are displayed in the font color provided here.
Base Font Size	Sets the base font size of the chart, that is, all the values and the names in the chart are displayed using the font size provided here.
bgColor	This attribute sets the background color for the chart. You can set any hex color code as the value of this attribute
borderColor	Border color of the chart.
Canvas Background Color	Sets Canvas background color. For a gradient effect, enter the color codes separated by commas.
Canvas Border Thickness	Specifies the canvas border thickness in pixels.
canvasBgColor	Sets Canvas background color. For Gradient effect, enter colors separated by comma.
canvasBorderThickness	Lets you specify canvas border thickness.
caption	Caption of the chart.
Chart Background Color	Sets the chart background color. You can use any hexadecimal color code.
Chart Border	Indicates whether the chart should have a border.
Chart Border Color	Border color of the chart.
Chart Caption	Caption of the chart.
Chart Link	
Chart Sub Caption	Sub-caption of the chart.
ChartCategoriesParam	
ChartLink	
Charts Type	

Table A-6 Real Time Chart Parameters (continued)

Parameter	Description
ChartSeriesParam	
ChartType	
ChartValueParam	
Clear Chart Interval	The time interval when the chart will clear its contents.
Data Refresh Interval	Chart data refresh interval in seconds.
DataAccessId	Data access ID. For real time charts, set this value to 1.
dataAccessID	
decimals	Number of decimal places to which all numbers on the chart will be rounded to. For more details, please see Advanced Charting > Number Formatting section.
Format number scale (K,M)	Adds K (thousands) and M (millions) to a number after truncating and rounding it, for example, if formatNumberScale is set to 1, 1043 becomes 1.04K (with decimals set to two places). The same applies to numbers in millions; an M is added at the end.
formatNumber	This configuration determines whether the numbers displayed on the chart will be formatted using commas, e.g., 40,000 if formatNumber='1' and 40000 if formatNumber='0'.
formatNumberScale	Configuration whether to add K (thousands) and M (millions) to a number after truncating and rounding it - e.g., if formatNumberScale is set to 1, 1043 will become 1.04K (with decimals set to 2 places). Same with numbers in millions - an M will be added at the end
Fusion Chart categoriesParam name	
Fusion Chart seriesParam name	
Fusion Chart valueParam name	
Gauge Border Color	Color of gauge scale border. You can either specify a hex code here (like 333333), or a single token from gradient fill mix like {dark-20} or {light-30}. The chart will then calculate the border color for each color range individually (based on the color code for each color range).
Gauge Border Thickness	Thickness of gauge scale border.
Gauge End Angle	Angle where the gauge will end drawing. Default value is 0.
Gauge Lower Limit Label	This attribute allows you to display a label instead of the lower limit. For example, in a chart displaying Literacy Rate on a scale of 0-100%, you may need to show the label Low at the starting point of the chart. Upon using this attribute to specify the label, the value 0 will be replaced by Low. Default value: If you do not specify the lowerLimitDisplay attribute, the lower limit value will be shown.
Gauge Start Angle	Angle from where the gauge will start drawing. Default value is 180.
Gauge Upper Limit Label	This attribute allows you to display a label instead of the upper limit. Upon using this attribute, the upper limit of the chart gets replaced by the label specified. Default value: If you do not specify the upperLimitDisplay attribute, the upper limit value will be shown.
Height	Height to the chart
HtmlObject	
Intervals Array	"Array - Intervals to use on the dial. [""0"", ""75"", ""90"", ""100""]. Use for creating XML

Table A-6 *Real Time Chart Parameters (continued)*

Parameter	Description
labelDisplay	Using this attribute, you can control how your data labels (x-axis labels) will appear on the chart. There are 4 options: WRAP, STAGGER, ROTATE or NONE. WRAP wraps the label text if it's longer than the allotted area. ROTATE rotates the label in vertical or slanted position. STAGGER divides the labels into multiple lines.
labelStep	By default, all the labels are displayed on the chart. However, if you have a set of streaming data (like name of months or days of week), you can opt to show every n-th label for better clarity. This attributes just lets you do so. It allows you to display every n(th) X-axis label.
Legend Position	The legend can be plotted at two positions on the chart - below the chart (BOTTOM) and on the RIGHT side of the chart.
Listeners	
Max number of data points to plot	Specifies the number of data items that you want as history on the chart. For example, when you set it as 50, only 50 data items (per dataset) are displayed on the chart. After the 51st data item arrives, the first data item is deleted and the rest of the data is shifted by one position left. The new data takes the last position.
Name	
Number format	Determines whether the numbers displayed on the chart are formatted using commas, for example, 40,000 if formatNumber=1' and 40000 ifformatNumber=0.
Number of Decimal points	Number of decimal places to which all chart numbers are rounded.
Number Prefix	Adds a prefix to all the numbers visible on the graph. For example, to represent dollar figures, you could set this attribute to ' \$' to show 40000 as \$40000, for example.
Number Suffix	Adds a suffix to all numbers visible on the graph. For example, to represent all figures quantified as per annum, you could set this attribute to ' /a' to show, for example, 40000/a, 50000/a.
numDisplaySets	This value helps you specify the number of data items that you want as history on the chart. For example, when you set it as 50, only 50 data items (per dataset) will be displayed on the chart. As soon as the 51st data comes in, the first data will be deleted and the rest of the data will be shifted by 1 position left - the new data will come and take the last position.
Parameters	
Path	Chart path.
Place Tick Inside	Whether to place ticks inside the gauge (on the inner radius) or outside?
Place Values Inside	Whether to place tick values inside the gauge?
Primary Y Axis Name	Primary Y-Axis title.
Range Colors Array	"Array - Colors to use in the intervals range. [""FF654F"", "", "F6BD0F"", ""8BBA00""]. Refer to ""CGG Dial Component"" Range Color Array. Value can also be hex color codes.
refreshInterval	For this parameter, you can specify the number of seconds after which the chart will look for new data
rotateValues	If you show data values, you can rotate them using this attribute.
Secondary Y axis decimal places	Decimal places for y-axis values on secondary y-axis.
Secondary Y Axis Name	Secondary Y-Axis title
Show Gauge Border	Whether to show a border around gauge scale?

Table A-6 Real Time Chart Parameters (continued)

Parameter	Description
Show Gauge Value	Whether to show each dial's value?
Show legend	Indicates whether the chart should show a legend. This only applies to multiseries and combination charts.
Show Tick Limits	Whether to show the first and last tick value (i.e., chart lower and upper limit)?
Show Tick Marks	Whether to show tick marks?
Show Tick Values	Whether to show tick values?
Show Value Below Pivot	Whether to show dial value below the pivot or above it?
Show Y Axis Values	The y-axis of charts is divided into vertical sections using div (divisional) lines. Each div line assumes a value based on its position. Using this attribute you can specify whether to show the div line (y-axis) values.
showBorder	Whether to show a border around the chart or not?
showLabels	It sets the configuration whether the x-axis labels will be displayed or not.
showLegend	Whether to show legend for the chart (only multi-series and combination charts)?
showPercentInToolTip	Whether to show percentage figures in tooltip.
showPercentValues	Whether to show percentage figures in data values of the chart.
showValues	Sets the configuration whether data values will be displayed along with the data plot on chart.
slantLabels	If you show rotated labels on a chart, this attribute lets you set the configuration whether the labels will show as slanted labels or fully vertical ones.
stack100Percent	"Setting this attribute to 1 helps in depicting the values in percentage figures. When this attribute is set to 1 the chart considers the total of the stacked dataplot as 100% and the Y-Axis shows a scale from 0% to 100%."
subCaption	Sub-caption of the chart.
Width	Chart width.
X axis label display	Controls how data labels (x-axis labels) appear in the chart. WRAP wraps the label text if it is longer than the allotted area. ROTATE rotates the label in vertical or slanted position. STAGGER divides the labels into multiple lines.
X axis label step	By default, all the labels are displayed on the chart. However, if you have a set of streaming data (such as month names or days of the week), you can opt to show every n-th label for better clarity using this property. The property allows you to display every n(th) X-axis label.
X Axis Name	X-Axis Title of the Chart.
X axis place values inside	If you've opted to show data values, you can show them inside the columns using this attribute. By default, the data values show outside the column.
X axis rotate values	If you show data values, you can rotate them using this attribute.
X axis show labels	Specifies whether the x-axis labels are displayed.
X axis show values	Indicates whether data values are displayed along with the data plot on chart.
X axis slant labels (for ROTATE)	If you selected rotated labels on chart, this attribute determines whether the labels appear as slanted vertical labels.
xAxisName	X-Axis Title of the Chart.

Table A-6 *Real Time Chart Parameters (continued)*

Parameter	Description
Y axis decimal places	Decimal places for y-axis values.
Y Axis Name	Y-Axis Title of the chart.
yAxisValueDecimals	Decimal places for y-axis values.