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Report Design Components

Reporting Design Components

The Report Module features many different report-specific components that are exclusively used inside the Report Module.

Here is a complete list of the Report Design components and a link pointing to a page containing the component's description, properties, and an example of how to configure it.

[Report Design - Chart Palette](#)

[Report Design - Shape Palette](#)

[Report Design - Table Palette](#)

[Report Design - Display Palette](#)

[Report Design - Object Palette](#)

Report Design - Chart Palette

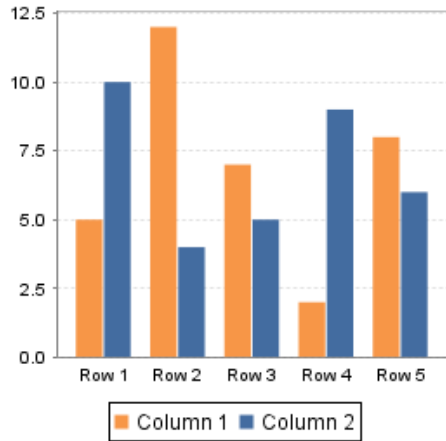
Chart Components

The following components give you various chart types for displaying data in a report.

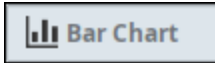
[In This Section ...](#)

Report - Bar Chart

A [Bar Chart](#) is used to display data in a chart using bars. A Bar Chart typically contains a single string column that gets used as the Domain with as many other columns representing the Range axis values. The order of the dataset matters, and the string values used for the domain should be in the first column of the dataset.



Report Design Component Palette Icon:



Properties

Property Inspector - Configure Tab

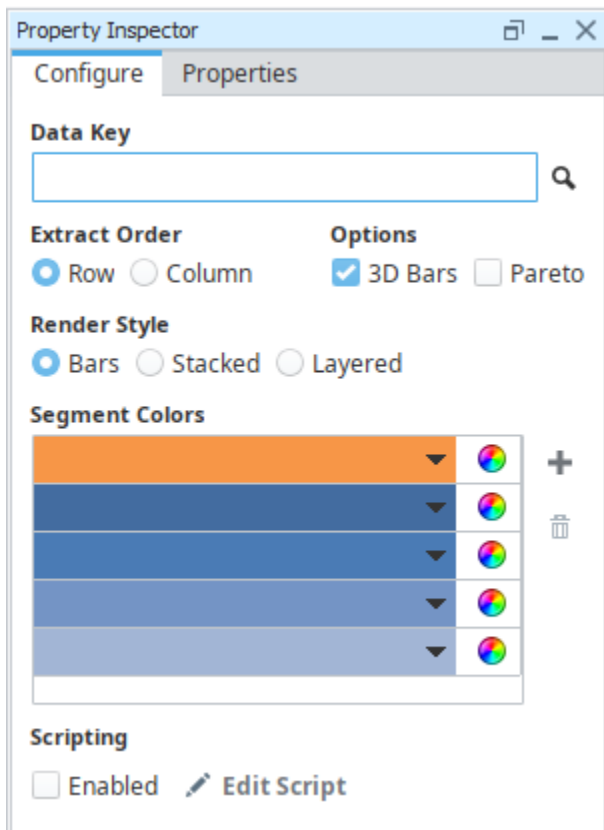
On this page ...




- [Properties](#)
 - [Property Inspector - Configure Tab](#)
 - [Property Inspector - Properties Tab](#)
- [Example](#)




Bar Chart

[Watch the Video](#)



Property	Description
Data Key	Unique identifier or placeholder to the data source that will populate the chart.
Extract Order	The order in which the data should be extracted from the data key. Two options are available: <ul style="list-style-type: none"> • Row: Data is extracted by row. Use this when columns in the data key define the series of data. • Column: data is extracted by column. Use this when rows in the data key define the series of data; each column is a new value for the same series. This is sometimes referred to as data 'turned on its side'
Options	<ul style="list-style-type: none"> • 3D: Columns and bars with 3D appearance using angle and depth. • Pareto: When enabled, turns the chart into a Pareto chart. Contains both lines and a bar graph where values are in descending order.
Render Style	Provides three rendering styles: <ul style="list-style-type: none"> • Bars: Displays data as individual colored bars. • Stacked: Displays data as a stacked bar in different colors. • Layered: Displays data as a layered bar in different colors.
Segment Colors	A unique color in the RGBA color space for each segment (bar). See Color Selector .
Color Wheel 	Tool for creating color combinations for bars. See Color Selector .
Add Segment 	Adds a color / row.
Remove Segment 	Deletes a color / row.

Scripting Enabled	Enables the script for this component to run.
Edit Script 	Allows the chart to be modified before the report is rendered.

Property Inspector - Properties Tab

Property Inspector

Configure Properties

▼ Chart Options

Data Key		
Category Margin		0.2
Extract Order	Row	
Item Margin		0.02
Render Style	Bars	
3D Bars		<input type="checkbox"/>
Show Legend		<input checked="" type="checkbox"/>
Legend Font	Dialog, Plain, 12	
Vertical Chart		<input checked="" type="checkbox"/>

▼ Pareto Options

Pareto		<input type="checkbox"/>
80% Line		<input checked="" type="checkbox"/>
Pareto Color		<input type="color" value="black"/>
Pareto Series Label	Percent	

▼ Axis Options

Axis Autorange		<input checked="" type="checkbox"/>
Axis Font	Dialog, Plain, 12	
Axis Format		
Axis Label		
Axis Low		0
Axis High		100
Label Position	Standard	

▼ Label Options

Bar Labels		<input type="checkbox"/>
Label Color		<input type="color" value="black"/>
Label Font	Dialog, Plain, 12	
Label Offset		2

▼ Stroke and Fill

Opacity		1
Stroke Style	Hidden	
Stroke		

▼ Basic Properties

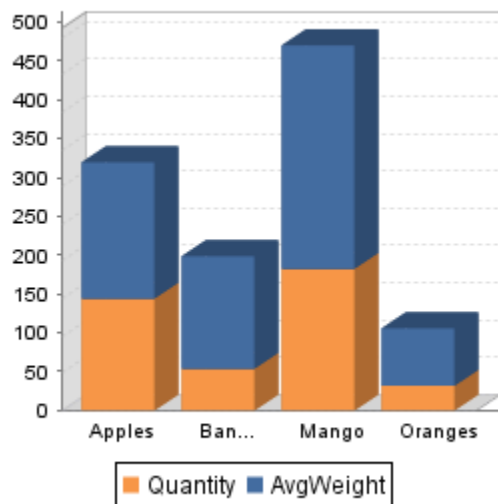
Roll		0
Scale X		1
Scale Y		1
URL		
Visible		<input checked="" type="checkbox"/>
Width		200
Height		200
X		5
Y		431



Property	Description
Data Key	Data key of the dataset that drives this bar chart.
Category Margin	Spacing between groups of bars on the chart.
Extract Order	Determines whether the series are defined by rows or columns in the underlying dataset.
Item Margin	Spacing between bars within a group.
Render Style	Style for this bar chart. Options are bars (0), stacked (1), or layered (2).
3D Bars	If true, use 3D bars to draw chart.
Show Legend	If true, show the chart's legend.
Legend Font	Font to use for the chart's legend.
Vertical Chart	If true, draw bars vertically.
Pareto	If enabled, the chart will act as a pareto chart; ordering the bars descending and adding a percentage line.
80% Line	If true, draw a line showing where 80% of the total is.
Pareto Color	Color for the Pareto line and 80% line.
Pareto Series Label	Text to use in legend for the Pareto line.
Axis Autorange	If true, set the axis range automatically, otherwise use the Axis Low and Axis High values.
Axis Font	Font to use for axis and axis label.
AxisFormat	A optional number format string to override the automatic formatting on the y-axis.
Axis Label	Text to place on the axis label. May be blank.
Axis Low	If autorange is turned of, the low value to use for the axis.
Axis High	If autorange is turned off, the high value to use for the axis.
Label Position	Orientation of category labels.
Bar Labels	If true, add labels to each bar.
Label Color	Color to use for bar label text.
Label Font	Font to use for bar labels.
Label Offset	Space to add between the end of the bar and the label. Negative numbers will put the label onto the bar.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.
Roll	Number of degrees this shape is rotated clockwise.
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.

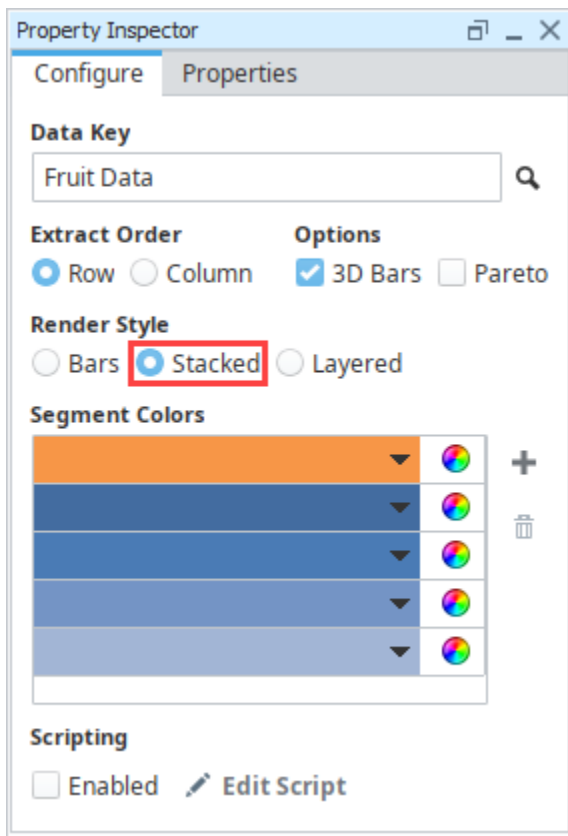
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the top edge of this shape and the top edge of the page.								

Example



Bar Chart Sample CSV Data

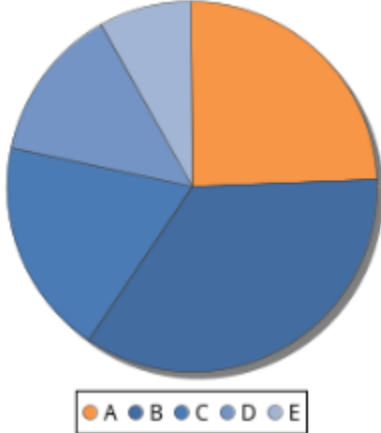
```
Fruit, Quantity, AvgWeight
Apples, 150, 183
Bananas, 56, 151
Mango, 190, 300
Oranges, 33, 77
```



Property	Value
3D Bars	True
Render Style	Stacked

Report - Pie Chart

The Pie Chart takes a Data Source with two keys: a Label (typically a string) and a Value (typical a numerical value).



Report Design Component Palette Icon:



Properties

Property Inspector - Configure Tab

On this page ...

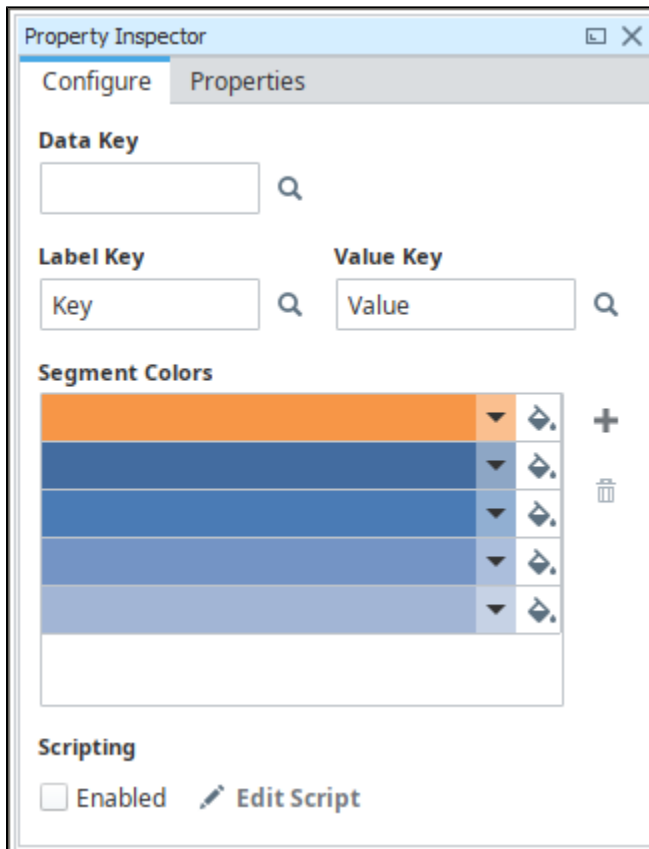
- [Properties](#)
 - [Property Inspector - Configure Tab](#)
 - [Property Inspector - Properties Tab](#)
- [Example](#)



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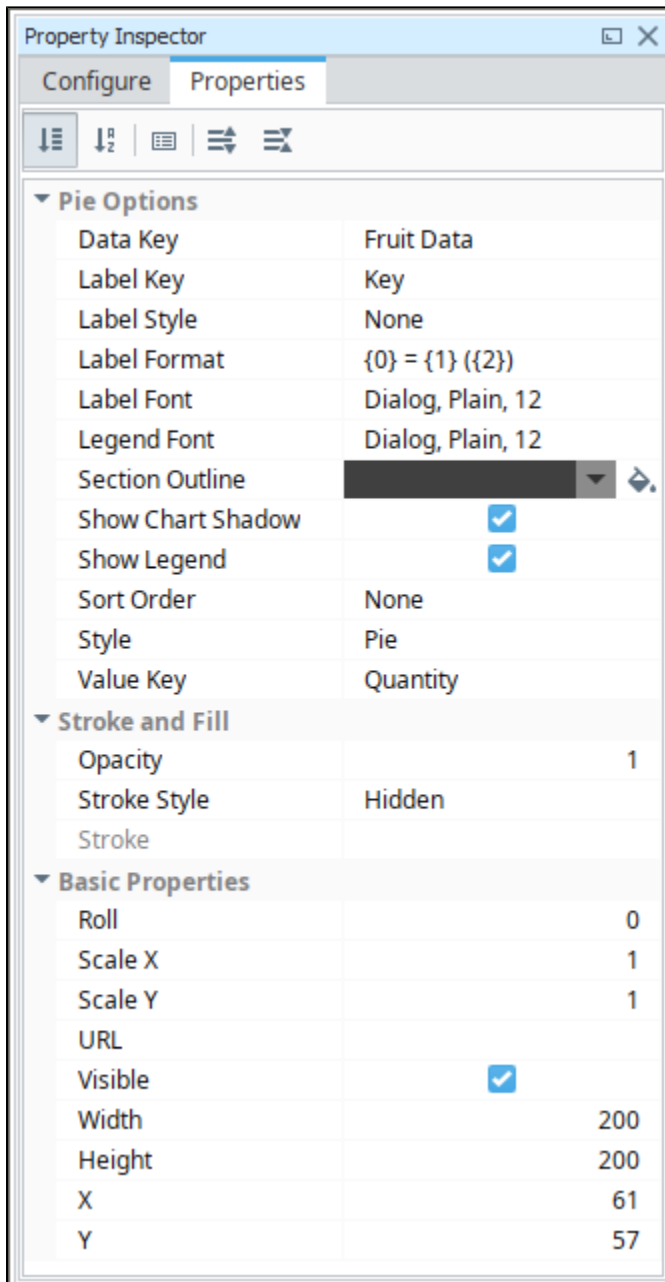
Pie Chart

[Watch the Video](#)



Property	Description
Data Key	Unique identifier or placeholder to the data source that will populate the chart.
Label Key	Key that will list the names of each segment in the legend on the chart.
Value Key	The key that will populate the chart with data.
Segment Colors	A unique color in the RGBA color space for each segment (wedge). Will repeat the colors if there are not enough to cover all of the different segments, so it is important to list a lot of colors here.
Add Segment +	Adds a color wedge to the chart.
Remove Segment 🗑️	Deletes a color wedge from the chart.
Scripting Enabled	<p>The following feature is new in Ignition version 8.1.28 Click here to check out the other new features</p> <p>Enables the script for this component to run.</p>
Edit Script ✎	<p>The following feature is new in Ignition version 8.1.28 Click here to check out the other new features</p> <p>Allows the chart to be modified before the report is rendered.</p>

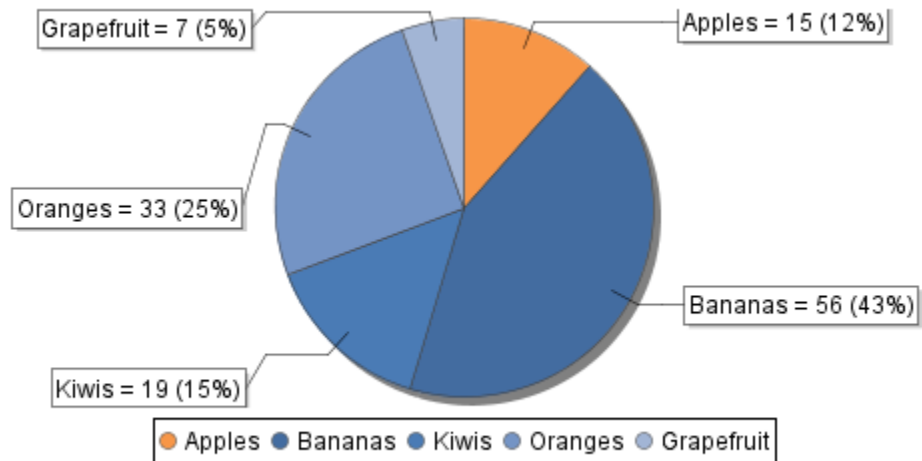
Property Inspector - Properties Tab



Property	Description
Data Key	Data key of the dataset that drives this pie chart.
Label Key	Column name inside the dataset represented by the Data Key which holds the pie wedge's label.
Label Style	Style for labels on the pie chart. Options are None (0), Simple (1), and Outset (2).
Label Format	Format of labels, if enabled. Use {0} = wedge name, {1} = value, {2} = percentage.
Label Font	Font used for this chart's labels.
Legend Font	Font used for this chart's legend.
Section Outline	Color to use for outline dividing sections. See Color Selector .

Show Chart Shadow	<p>The following feature is new in Ignition version 8.1.28 Click here to check out the other new features</p> <p>If true, display background shadow on the Pie Chart.</p>								
Show Legend	If true, show the chart's legend.								
Sort Order	Order to sort chart categories. This will determine colors used and order of the legend.								
Style	Style for this pie chart. Options are Pie, 3D Pie, and Ring.								
Value Key	Column name inside the dataset represented by the Data Key which holds the pie wedge's value.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Y	Vertical distance in pixels between the top edge of this shape and the top edge of the page.								

Example



Pie Chart Sample CSV Data

```
Fruit, Quantity
Apples, 15
Bananas, 56
Kiwis, 19
Oranges, 33
Grapefruit, 7
```

Property Inspector [Close]

Configure | **Properties**

Data Key
 🔍

Label Key 🔍 **Value Key** 🔍

Segment Colors

	▼	🔍	+
	▼	🔍	-
	▼	🔍	
	▼	🔍	
	▼	🔍	
	▼	🔍	+

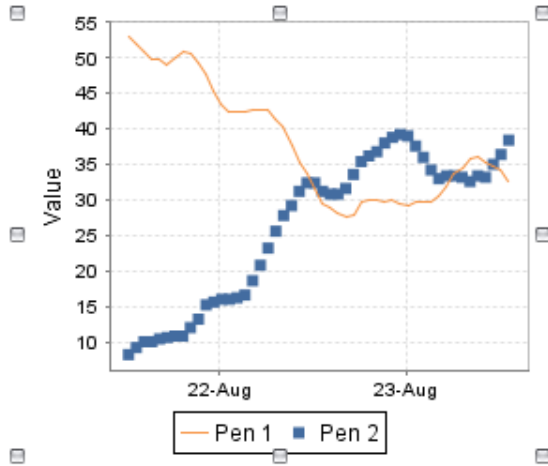
Scripting
 Enabled Edit Script

Property	Value
----------	-------

Label Style	Outset
Value Key	Quantity

Report - Timeseries Chart

The [Timeseries Chart](#), while similar to the [XY Chart](#), uses a datetime value for the Domain Axis instead of a numerical value. This chart is ideal when trying to display [Tag Historian](#) data in a Report.



Report Design Component Palette Icon:



Properties

Property Inspector - Chart Options Tab

On this page ...

- [Properties](#)
 - [Property Inspector - Chart Options Tab](#)
 - [Property Inspector - Properties Tab](#)
- [Example](#)



Timeseries Chart



[Watch the Video](#)

Property Inspector

Chart Options Properties

Data Key Domain Key

Pens



Range Key	Pen Name	Preview
Test1	Pen 1	
Test2	Pen 2	



Axes

Name	Label	Auto?	Low	High
Default Axis	Value	<input checked="" type="checkbox"/>	0	100

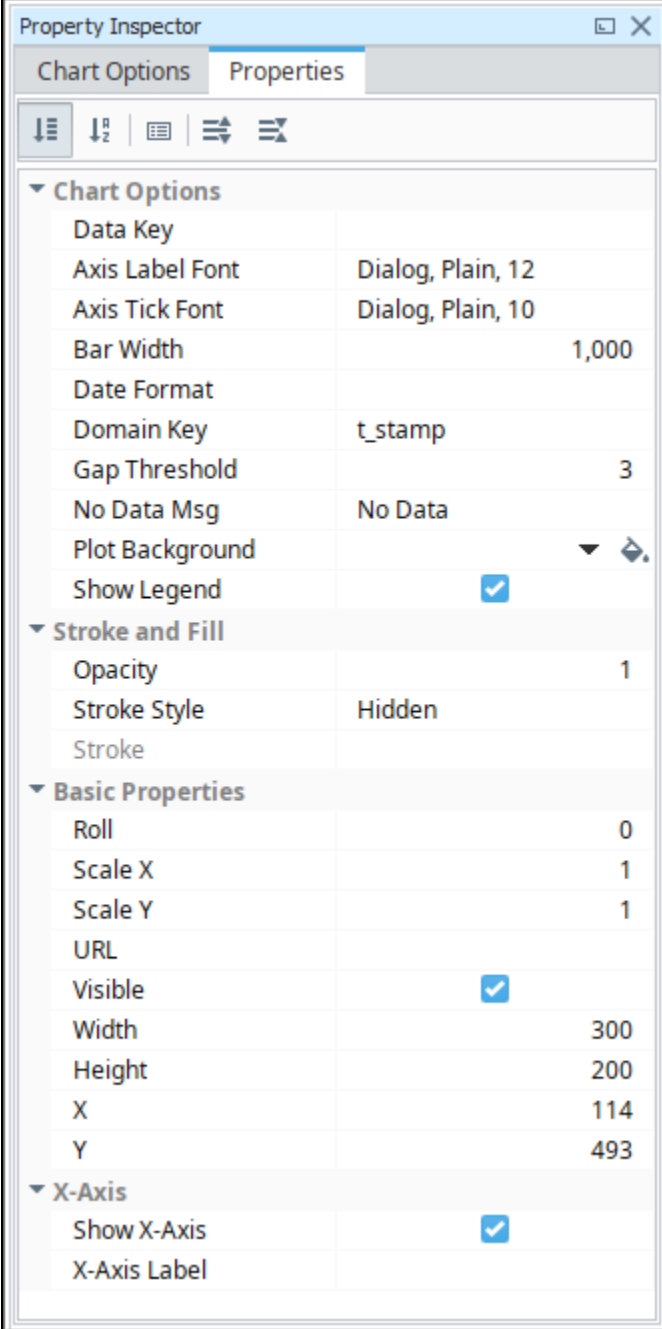
Scripting

Enabled



Property /Symbol	Description
Data Key	Unique identifier or placeholder to the data source that will populate the chart.
Domain Key	The data key that should represent the X axis on the chart. The Timeseries Chart expects a timestamp, while the XY chart can use any numeric value as the domain key.
Pens	<p>Pens represent a series of data. There are several properties for each pen exposed on the Chart Options tab:</p> <ul style="list-style-type: none"> • Range Key: The key the pen should retrieve data from. • Pen Name: The name of the pen that should appear on the chart. • Preview: Visual representation of how the pen will be rendered. The trend is simply a preview, and does not take the data from the range key into account.
Add Pen +	Adds a pen.
Edit Pen 	Opens Pen Configuration area for editing.
Remove Pen 	Deletes a pen.
Axes	<p>There are several properties for each axis exposed on the Chart Options tab:</p> <ul style="list-style-type: none"> • Name: The name of the axis. • Label: Text next to the axis. Commonly used to describe what the values of each pen represent. • Auto?: Determines if the axis should automatically adjust the upper and lower bound of the axis to include all data from each pen. When enabled, the High and Low properties are ignored. When disabled, High and Low will be used. • Low: The low range value the axis will use when 'Auto?' is disabled. • High: The high range value the axis will use when 'Auto?' is disabled.

Add Axis +	Add an axis.
Edit Axis 	Opens Axis Configuration area for editing.
Remove Axis 	Deletes an axis.
Scripting Enabled	Enables the script for this component to run.
Edit Script	Allows the chart to be modified via Python scripting before the report is rendered.

Property Inspector - Properties Tab



The screenshot shows the 'Property Inspector' window with the 'Properties' tab selected. The window contains a toolbar and a table of properties organized into sections:

- Chart Options**
 - Data Key
 - Axis Label Font: Dialog, Plain, 12
 - Axis Tick Font: Dialog, Plain, 10
 - Bar Width: 1,000
 - Date Format
 - Domain Key: t_stamp
 - Gap Threshold: 3
 - No Data Msg: No Data
 - Plot Background:  
 - Show Legend:
- Stroke and Fill**
 - Opacity: 1
 - Stroke Style: Hidden
 - Stroke
- Basic Properties**
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - URL
 - Visible:
 - Width: 300
 - Height: 200
 - X: 114
 - Y: 493
- X-Axis**
 - Show X-Axis:
 - X-Axis Label

Property	Description								
Data Key	Data key of the dataset that drives this chart.								
Axis Label Font	Font to use for axis labels.								
Axis Tick Font	Font to use for axis tick marks.								
Bar Width	The width of any bar datapoints, specified in milliseconds.								
Date Format	Optional format string to override the domain axis date format.								
Domain Key	Key name of the column inside the dataset that contains the domain (x) value.								
Gap Threshold	Multiplier for the average space between data points to be considered a data gap for the "line with gaps" render style.								
No Data Msg	Message to show when no data is available.								
Plot Background	Color to use for chart background. See Color Selector .								
Show Legend	If true, show a legend for the chart.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.								
Show X-Axis	If true, show the x-axis.								
X-Axis Label	Label text for the x-axis.								

Example

Dynamically set the range on your chart in the report. This script includes a minimum and maximum boundary so you can set operating ranges. It will throw out values that don't land in the correct range, like if you don't want to display oven temperatures below 500 degrees.

This code should be placed in the `configureChart` function definition of your chart. You can access it by clicking the **Edit Script** button at the bottom of the Property Inspector.

`configureChart`

```
# set boundaries to throw out 'bad' values that land outside this range
minBoundary = 50
maxBoundary = 100

from org.jfree.data.general import DatasetUtilities
# get the chart, axis, data
plot = chart.getPlot()
rangeAxis = plot.getRangeAxis()
rangeAxis.setAutoRange(False)
ds = plot.dataset

# Find the initial range of the dataset
rangeBounds = DatasetUtilities.findRangeBounds(ds)
rangeMin = rangeBounds.getLowerBound()
rangeMax = rangeBounds.getUpperBound()
# working minimum and maximum values for dataset. these are swapped with the initial values on purpose
currentMin = rangeMax
currentMax = rangeMin

# loop through the dataset to find desired min and max
series = 0 # which pen to search
numItems = ds.getItemCount(series)
for i in range(numItems):
    val = ds.getYValue(series,i)
    # find lowest value that is above the minBoundary
    if val > minBoundary and val < currentMin:
        currentMin = val
    # find highest value that is below the maxBoundary
    if val < maxBoundary and val > currentMax:
        currentMax = val

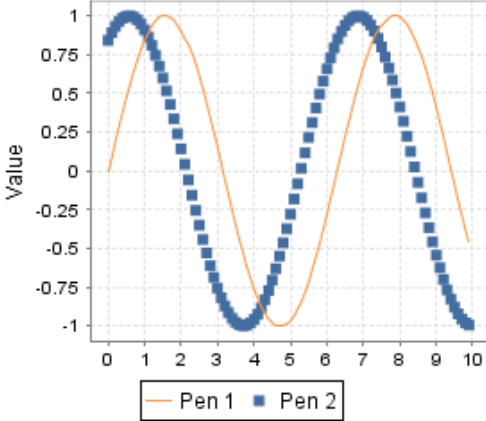
# calculate 10% padding
padding = (currentMax - currentMin) * 0.1

# set bounds in chart
rangeAxis.setLowerBound(currentMin - padding)
rangeAxis.setUpperBound(currentMax + padding)

# for troubleshooting: look in the console after going to the preview pane to see real values
# comment these lines when done with testing
print "Min: ", currentMin
print "Max: ", currentMax
print "Padded Min: ", currentMin - padding
print "Padded Max: ", currentMax + padding
```

Report - XY Chart

The [XY Chart](#), while similar to the [Timeseries Chart](#), uses a numerical value for the Domain Axis instead of a Datetime. The XY chart is ideal when trying to detail the relationship between two keys.



Report Design Component Palette Icon:



On this page ...

- [Properties](#)
 - [Property Inspector - Chart Options](#)
 - [Property Inspector - Properties Tab](#)
- [Example](#)



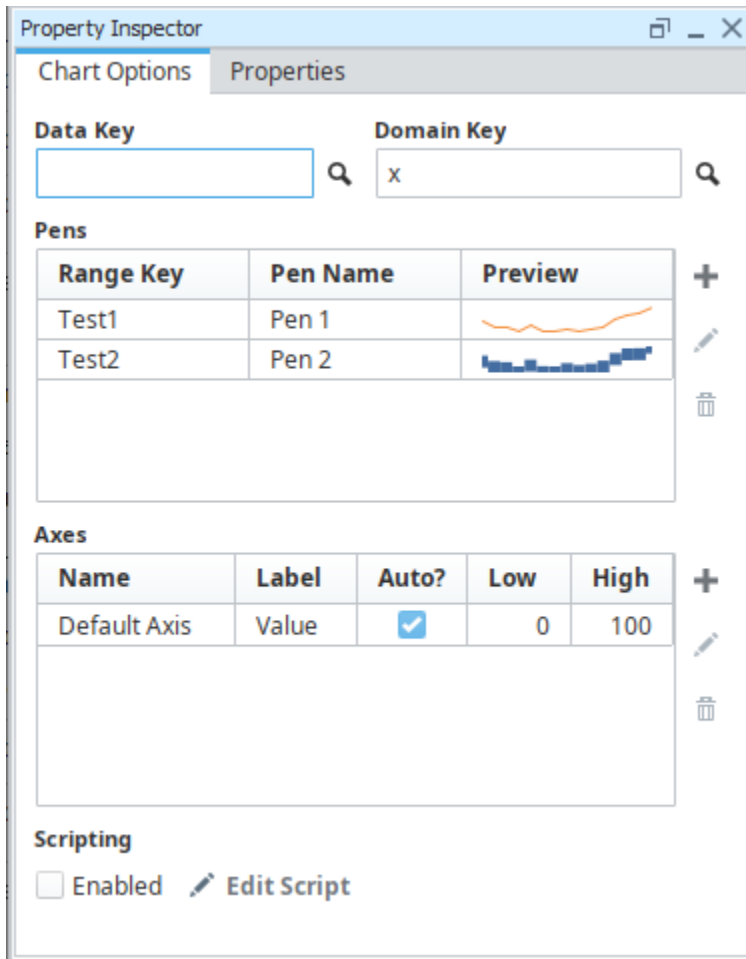
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XY Chart




[Watch the Video](#)

Properties

Property Inspector - Chart Options



Property	Description
Data Key	Unique identifier or placeholder to the data source that will populate the chart.
Domain Key	The data key that should represent the X axis on the chart. The Timeseries Chart expects a timestamp, while the XY chart can use any numeric value as the domain key.
Pens	<p>Pens represent a series of data. There are several properties for each pen exposed on the Chart Options tab:</p> <ul style="list-style-type: none"> • Range Key: The key the pen should retrieve data from. • Pen Name: The name of the pen that should appear on the chart. • Preview: Visual representation of how the pen will be rendered. The trend is simply a preview, and does not take the data from the range key into account.
Add Pen +	Adds a pen.
Edit Pen 	Opens Pen Configuration area for editing.
Remove Pen 	Deletes a pen.
Axes	<p>There are several properties for each axis exposed on the Chart Options tab:</p> <ul style="list-style-type: none"> • Name: The name of the axis. • Label: Text next to the axis. Commonly used to describe what the values of each pen represent. • Auto?: Determines if the axis should automatically adjust the upper and lower bound of the axis to include all data from each pen. When enabled, the High and Low properties are ignored. When disabled, High and Low will be used. • Low: The low range value the axis will use when 'Auto?' is disabled. • High: The high range value the axis will use when 'Auto?' is disabled.

Add Axis 	Add an axis.
Edit Axis 	Opens Axis Configuration area for editing.
Remove Axis 	Deletes an axis.
Scripting Enabled	Enables the script for this component to run.
Edit Script	Allows the chart to be modified before the report is rendered via Python script.

Property Inspector - Properties Tab

Property Inspector

Chart Options Properties

▼ Chart Options

Data Key	
Axis Label Font	Dialog, Plain, 12
Axis Tick Font	Dialog, Plain, 10
Bar Width	1
Domain Key	x
Gap Threshold	3
No Data Msg	No Data
Plot Background	▼ ↗
Show Legend	<input checked="" type="checkbox"/>

▼ X-Axis

Auto Range	<input checked="" type="checkbox"/>
Axis High	100
Axis Low	0
Margin	0.05
Number Format	
Show X-Axis	<input checked="" type="checkbox"/>
X-Axis Label	

▼ Stroke and Fill

Opacity	1
Stroke Style	Hidden
Stroke	

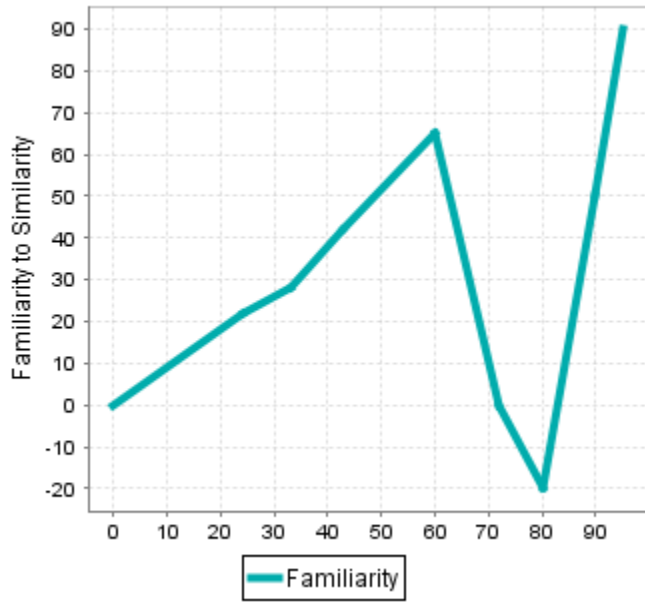
▼ Basic Properties

Roll	0
Scale X	1
Scale Y	1
URL	
Visible	<input checked="" type="checkbox"/>
Width	300
Height	200
X	187
Y	461

Property	Description
Data Key	Data key of the dataset that drives this chart.
Axis Label Font	Font to use for axis labels.
Axis Tick Font	Font to use for axis tick marks.
Bar Width	The width of any bar datapoints.

Domain Key	Key name of the column inside the dataset that contains the domain (x) value.								
Gap Threshold	Multiplier for the average space between data points to be considered a data gap for the "line with gaps" render style.								
No Data Msg	Message to show when no data is available.								
Plot Background	Color to use for chart background. See Color Selector .								
Show Legend	If true, show a legend for the chart.								
Auto Range	If true, automatically determine range of X-axis.								
Axis High	If autorange is turned off, the high value to use for the axis.								
Axis Low	If autorange is turned off, the low value to use for the axis.								
Margin	Margin for the x-axis edges.								
Number Format	A optional number format string to override the automatic formatting on the x-axis.								
Show X-Axis	If true, show the x-axis.								
X-Axis Label	Label text for the x-axis.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
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Example



XY Chart Sample CSV Data - uncanny_valley


```
Familiarity, Human_Similarity
0, 0
22, 24
28, 33
42, 43
65, 60
0, 72
-20, 80
50, 90
90, 95
```

Property Inspector

Chart Options Properties

Data Key uncanny_valley **Domain Key** Human_Similarity

Pens

Range Key	Pen Name	Preview
Familiarity	Familiarity	

Axes

Name	Label	Auto?	Low	High
Default Axis	Familiarity to ...	<input checked="" type="checkbox"/>	0	100

Scripting

Enabled [Edit Script](#)

Report Design - Display Palette

Misc Components

The following components provide various options for displaying values and data.

[In This Section ...](#)

Report - Barcode

The Barcode component allows reports to contain dynamically generated barcodes based on how you configure its properties. Barcodes are commonly embedded into unstructured Table Rows, or [Labels](#) for printing. When used in set-driven components such as these, each barcode can be encoded to a unique value provided by the driving data source. Note: The actual barcode, as well as any text to be displayed under the barcode, is generated and rendered when the report is executed or opened in the Preview panel.



Report Design Component Palette Icon:



There are several types of barcodes formats that serve different uses and industries, and fall into two categories: Standard Barcodes and 2D Barcodes. Standard barcodes represent data by varying the widths and spacings of parallel lines. 2D Barcodes represent data using two-dimensional symbols and shapes, and hold more data than Standard barcodes. Each Barcode Format has specific requirements for what it will encode. The tables below show the different formats that are supported for each category, and provide a brief description including some of the industries they are use in. If you are unsure which code you should be using, please consult your existing barcode documentation.

If you need to create a GSI-128 barcode, you can use the Code128 symbology. Use the following special characters to represent the four GSI function codes:

Function Code	Symbol
ESCAPE_FNC_1	ñ
ESCAPE_FNC_2	ò
ESCAPE_FNC_3	ó
ESCAPE_FNC_4	ô

Barcode Formats

Standard

Barcode Format	Description	Industry Used
Codabar	Also known as Ames code, encodes a variable length code that supports a limited character set of the following 16 characters, digits 0-9, and symbols -.:\$/. It's easy to print and can be produced by any impact style printer.	Logistics, Healthcare, Education
Code 39	Encodes a variable length barcode with a limited number, letter and special character set, including capital letters A-Z, digits 0-9, symbols -.\$/%, and a space character. The asterisk (*) must be used as a start and stop delimiter. They are used to label goods across many industries.	Automotive, Defense
Code 128	Encodes a variable length barcode consisting of any of the 128 ASCII character set. They are powerful and can store diversified information.	Supply Chain
EAN_8	Encodes an 8 digit value used to label consumer goods primarily in Europe. Only used when limited space is available.	Retail
EAN_13	Encodes 13 digit value, used often as a product identification numbers to label consumer goods primarily in Europe.	Retail
ITF	Encodes numeric digits as pairs, must be supplied an even number of digits. Used to label packaging materials and are good for printing on corrugated cardboard.	Packaging

On this page ...

- [Barcode Formats](#)
 - [Standard](#)
 - [2D](#)
- [Properties](#)
 - [Property Inspector - Configure Barcode Tab](#)
 - [Property Inspector - Properties](#)
- [Example](#)

UPC_A	Is the most common form of UPC code consisting of 12 total digits: 11 digits and a checksum. Used to label consumer goods.	Retail
-------	--	--------

2D



ABC 911-234

Barcode Format	Description	Industry Used
Aztec	Encodes up to 3832 digits, 3067 letters or 1914 bytes of data. Used by the transportation system for tickets and airline boarding passes.	Transportation
Data_Matrix	Variable length and generate 2D barcodes with advanced encoding error checking and correction. Used to label small items, and documents	Electronics, Retail, Government
PDF417	Specialized linear scan barcode that can encode alphanumeric text. Used in applications that require storage of huge amounts of data.	Logistics, Government
QR_Code	Can generate an image encoding a string of text up to 4,296 alphanumeric characters in length. Supports four different modes of data: numeric, alphanumeric, byte/binary, and Kanji.	Retail, Entertainment, Advertising

Properties

Property Inspector - Configure Barcode Tab

Property Inspector

Configure Barcode Properties

Datakey

Barcode Format

CODE_39

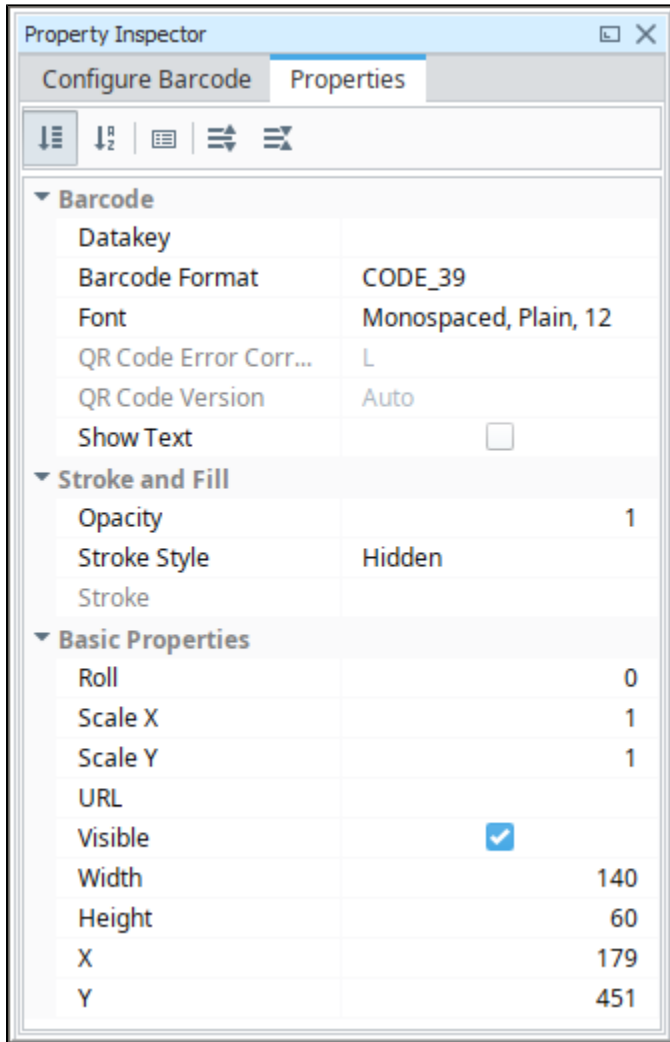
Show Text

Barcode Format Info

Code 39 encodes a variable length barcode with a limited number, letter and special character set, including capital letters A-Z, digits 0-9, and symbols -.\$/% and space character. * must be used as a start and stop delimiter.

Property	Description
Data Key	Key that will populate the barcode.
Barcode Format	Barcode format to display.
Show Text	Determines if the value of the Data Key should appear on the barcode.
Font	Enabling the Show Text option allows the Font configuration to be edited for the displayed text.
Barcode Format Info	Describes the selected barcode format.

Property Inspector - Properties



Property	Description
Datakey	Datakey for barcode.
Barcode Format	Barcode format to use, see options above.
Font	Font type, size, and style for barcode.
Show Text	If true, show barcode value as text. Not available for all barcode types.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.
Roll	Number of degrees this shape is rotated clockwise.
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.
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Example



Property Inspector
☐ - ✕

Configure Barcode

Properties

Datakey

🔍

Barcode Format

▼

Show Text

Barcode Format Info

Data Matrix barcodes are variable length and generate 2D barcodes with advanced encoding error checking and correction.

Property	Value
Datakey	ProductMap.InventoryLocation
Barcode Format	Data_Matrix

To add a barcode to a report, simply drag the Barcode component from the Report Design Palette on to your Design panel workspace. You will see a placeholder barcode with its driving data key displayed, and a description of the encoding for the type specified in the **Barcode Format** field of the Configure Barcode tab. Data Keys can be dropped or typed into the **DataKey** field, and the driving key will be shown in its appropriate barcode placeholder. The actual barcode, as well as any text to be displayed under the barcode, is generated and rendered when the report is executed or previewed.

Barcodes require a **Data Key** or Text to encode. **Note**, that each **Barcode Format** encoder has specific requirements for what it will encode. **Barcode Format Info** displays some brief information about the selected format, but is not comprehensive.

Note: To see an example of embedding a barcode in a DataSource driven component, refer to the [Labels with Embedded Barcodes](#) page. The example embeds a barcode in the repeating Labels component to dynamically create coded labels to track items.

Report - Images

The Image component lets you [embed images into reports](#). Images can be dragged from a local computer, shared drive, webpage, or the Image Management Tool as files onto reports. They can also be pulled as binary data from a datasource. If no **Key** is associated with the image component, the dropped image will be used. If the **Key** does not link to a valid image, no image will be shown. The image displayed in the [Report Designer](#) is a placeholder. It will be replaced with the image associated with the image's **Key** when the report is generated or previewed.

In the image component's **Property Inspector**, you can drag a [parameter](#) or a [datasource](#) column from the **Key Browser** into the **Key** field. The Data Key can resolve to a byte array, such as an image retrieved from a database, or a URL that points to an image on the web, or an image file on a disk. Remember that reports are generated on the Gateway, so the image source needs to be accessible from the Gateway computer.

[Keychain Expressions](#) can not be used in the data key, but the Key can be a parameter or datasource that dynamically constructs a path to an image. This allows you to easily change images in reports without changing the image component.



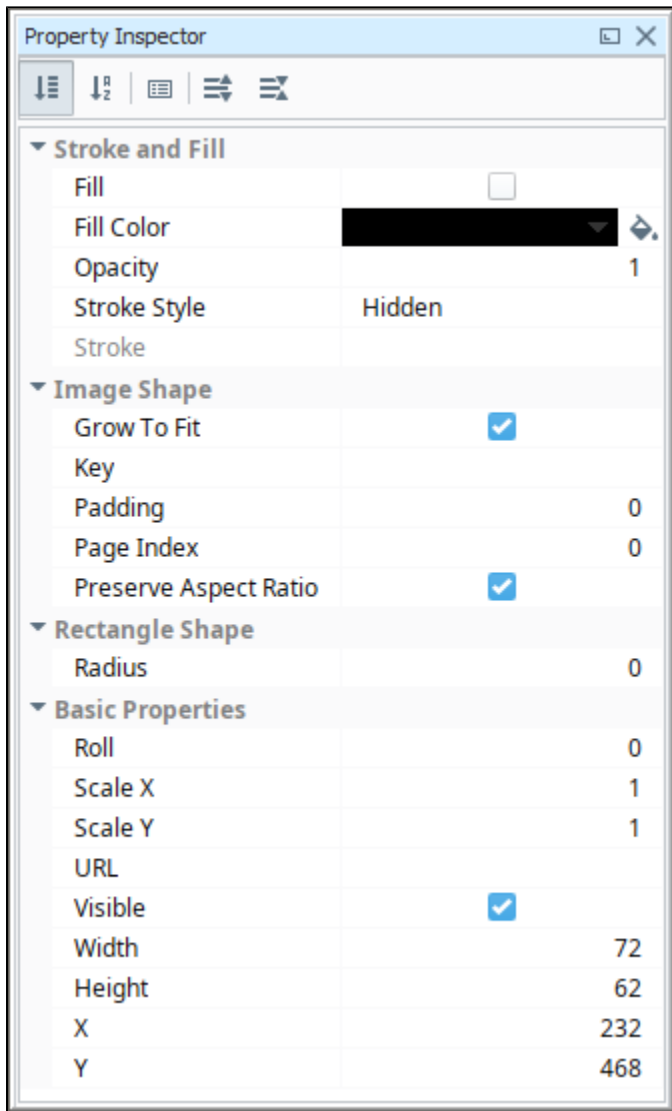
Report Design Component Palette Icon:



Properties

On this page ...

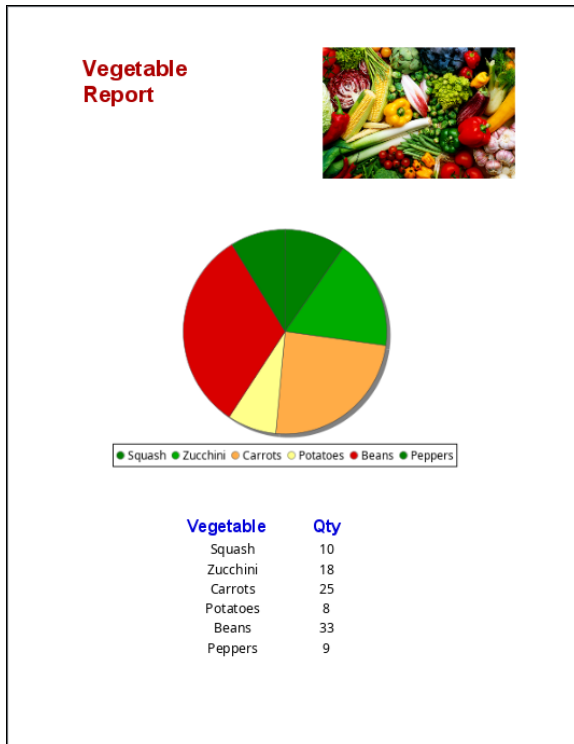
- [Properties](#)
- [Example](#)



Property	Description
Fill	If true, the shape will fill its space with color.
Fill Selected	If fill is selected, the color that will fill the shape.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.
Grow to Fit	If true, rescale the original image to fit the shape.
Key	Data Key for this image.
Padding	Padding between the image and the shape's bounds.
Page Index	For multi-page images, sets the page index to use.
Preserve Aspect Ratio	If true, preserve the aspect ratio when resizing the image.
Radius	The amount to radius the corners of this shape.
Roll	Number of degrees this shape is rotated clockwise.
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.

Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
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Example



Property	Value
Key	Image Path

The image in this report was created using a **Parameter** that resolved to a URL.

Report - Labels

Labels can be used to print out a host of different types of labels depending on how you configure the Label properties. You can create mailing labels, name tags, or any other generic type of labels. You can use standard Avery label sheets, or specify your own dimensions. When the Labels component is selected, the label size and spacing can be set in the Labels Attributes area of the Configure Labels tab in the Property Inspector. The size of the Labels component automatically update based on the values in the Label Attributes area. There are more properties in under the Properties tab that you can set to customize your labels.

When creating labels, all you have to do is create one template label which is always the top-left label in the component. To edit the label itself, [super-select](#) the template label to add [Text Shapes](#), [Data Keys](#) or [Keychain Expressions](#), [Images](#) or [Barcodes](#). After you create your template, go to the Preview Panel and the you'll see all the labels will be populated with your data. Keep in mind that any data keys or expressions within the Label component are driven by the Data Key configured in the component.

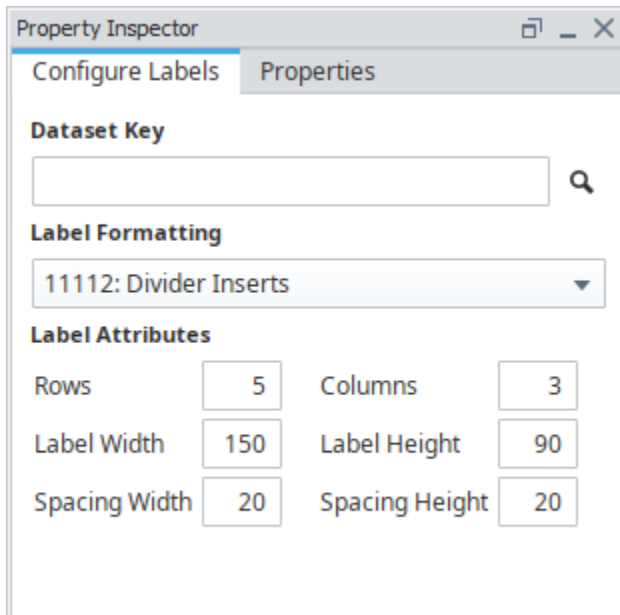


Report Design Component Palette Icon:



Properties

Property Inspector - Configure Labels Tab



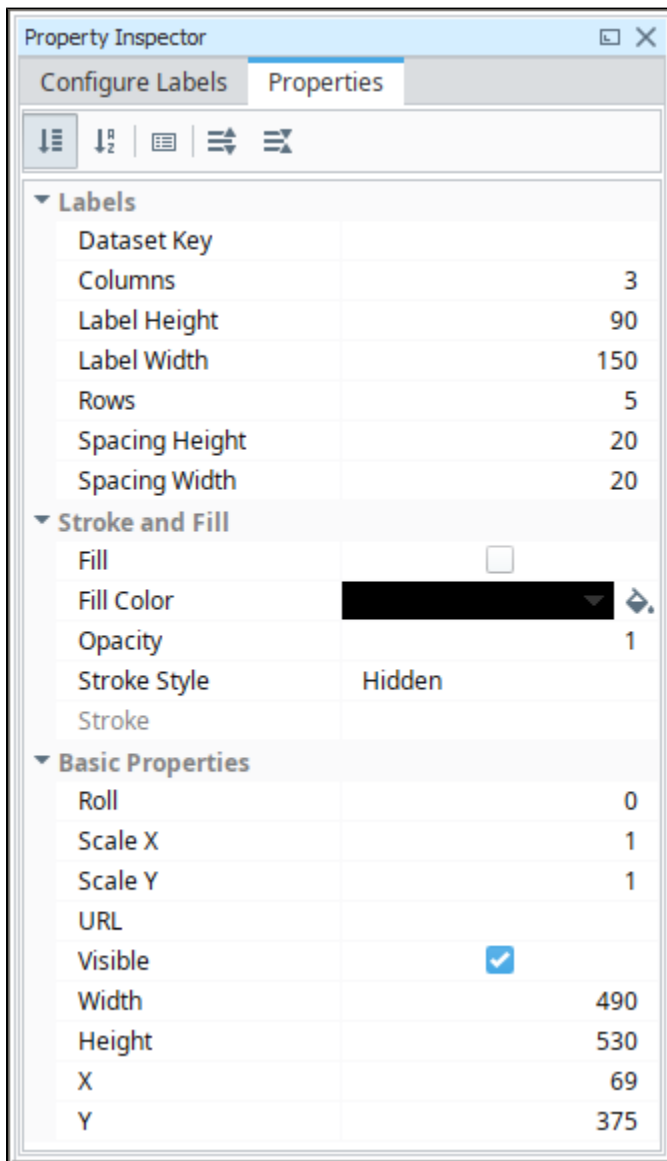
In the Property Inspector, use the Configure Labels tab to configure your table. Here is a list of all the Label properties and their descriptions.

On this page ...

- [Properties](#)
 - [Property Inspector - Configure Labels Tab](#)
 - [Property Inspector - Properties Tab](#)
- [Example](#)

Property	Description
Data Key	Name of DataSet that will populate the labels.
Label Formatting	Choose from a list of Avery Label Formats, or create a custom sized label.
Rows/Columns	Defines the number of rows and columns on the page.
Label Width/Height	Width and height of labels in pixels.
Spacing Width/Height	Distance between labels on the page in pixels.

Property Inspector - Properties Tab



Property	Description
Dataset Key	Dataset key for labels.
Columns	Number of label columns.
Label Height	Height of each label in pixels.
Label Width	Width of each label in pixels.

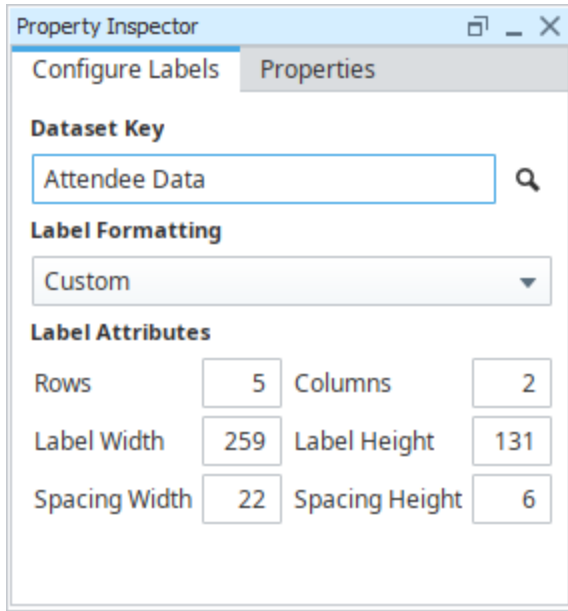
Rows	Number of label rows.								
Spacing Height	Spacing between label rows.								
Spacing Width	Spacing between label columns.								
Fill	If true, the shape will fill its space with color.								
Fill Color	If fill is selected, the color that will fill its shape.								
Opacity	How opaque the fill color is between, 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
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Example

This example will create name tags with a logo. We will use the label dataset shown below that includes the attendee name, their title, and their company name.

Label Dataset
<pre>AttendeeName, Title, CompanyName Jennifer Stewart, Marketing Manager, ABC Company John Doe, Communications Director, Paint Company Sally Johnson, Chief Operating Officer, Pure Water Howard Hunter, Engineer, Sticker Shock Alice Honey, Control Specialist, Signs and More Rocky Rooney, Event Planner, All Occasions Gracie Moon, Engineering Specialist, Lighting Comany Candy Miller, Designer, Speciality Cards Jimmy Rush, Marketing Specialist, Vegan Foods Valerie Rain, Landscape Designer, Elegant Landscapes</pre>

Set the following property values in the Configure Labels tab of the Property Inspector to insert the Attendee Data as desired.



Property	Value
Dataset Key	Attendee Data
Label Formatting	Custom
Rows	5
Columns	2
Label Width	259 pixels
Label Height	131 pixels
Spacing Width	22 pixels
Spacing Height	6 pixels

Now, insert the logo and set the name tag layout by configuring the label template.

Label Template	Property	Value
	Image	Image Management > Builtin/icons/24/user3.png
	Text	AttendeeName - Bold and Italic
	Font	18



Jennifer Stewart
Marketing Manager
ABC Company



John Doe
Communications Director
Paint Company



Sally Johnson
Chief Operating Officer
Pure Water



Howard Hunter
Engineer
Sticker Shock



Alice Honey
Control Specialist
Signs and More



Rocky Rooney
Event Planner
All Occasions



Gracie Moon
Engineering Specialist
Lighting Company



Candy Miller
Designer
Speciality Cards



Jimmy Rush
Marketing Specialist
Vegan Foods



Valerie Rain
Landscape Designer
Elegant Landscapes

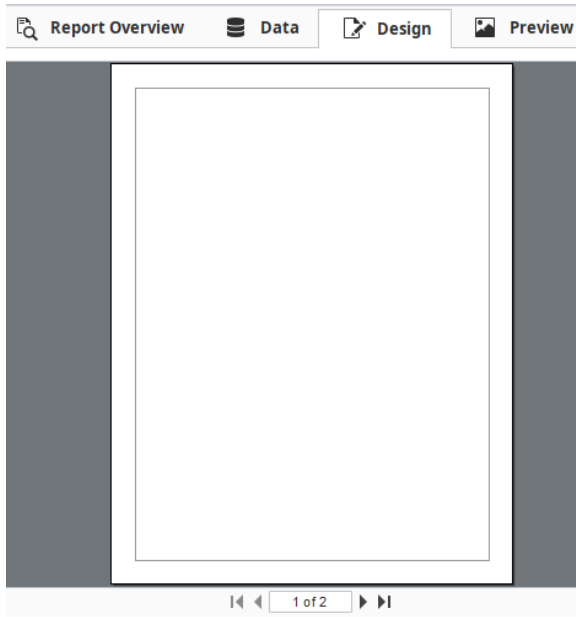
Report Design - Object Palette

Object Components

The following are object components used solely by the Report Module.

[In This Section ...](#)

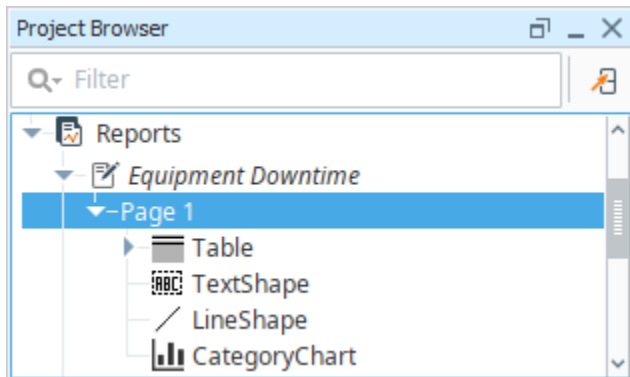
Report - Page Object



On this page ...

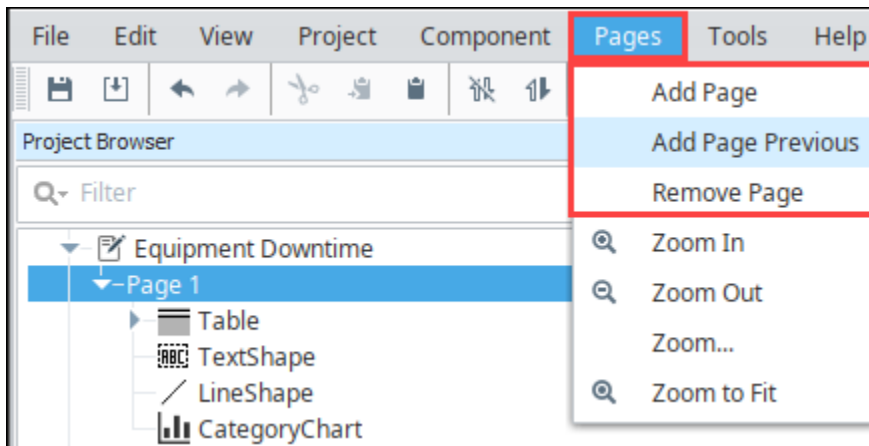
- [Menu Bar Items](#)
- [Properties](#)

Each report may consist of multiple pages. The Page component may be selected by clicking on a Page item in the Project Browser.



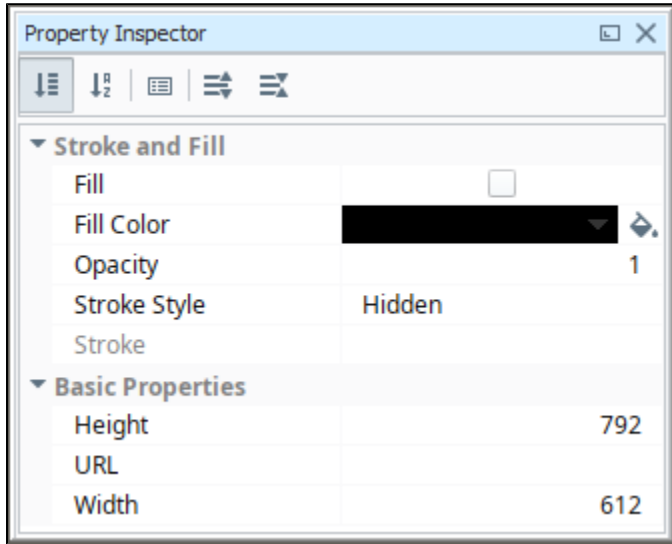
Menu Bar Items

Pages are added and removed from the the menu bar at the top of the browser.



Menu Item	Description
Add Page	Adds a new page to the report after the currently selected page.
Add Page Previous	Adds a new page to the report prior to the currently selected page. A cover page may easily be added to a pre existing report by using Add Page Previous.
Remove Page	Deletes the page that is currently visible in the main workspace.

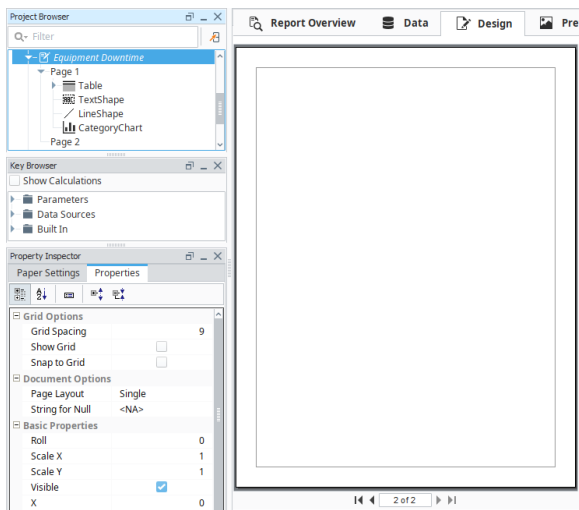
Properties



Property	Description								
Fill	If true, the shape will fill its space with color.								
Fill Color	If fill is selected, the color that will fill the shape.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
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Width	Width of this shape in pixels.								

Report - Report Object

The report itself. This component has properties that control the dimensions and margins. These settings impact all pages in the report. It may be selected by clicking on the Report object in the Project Browser.

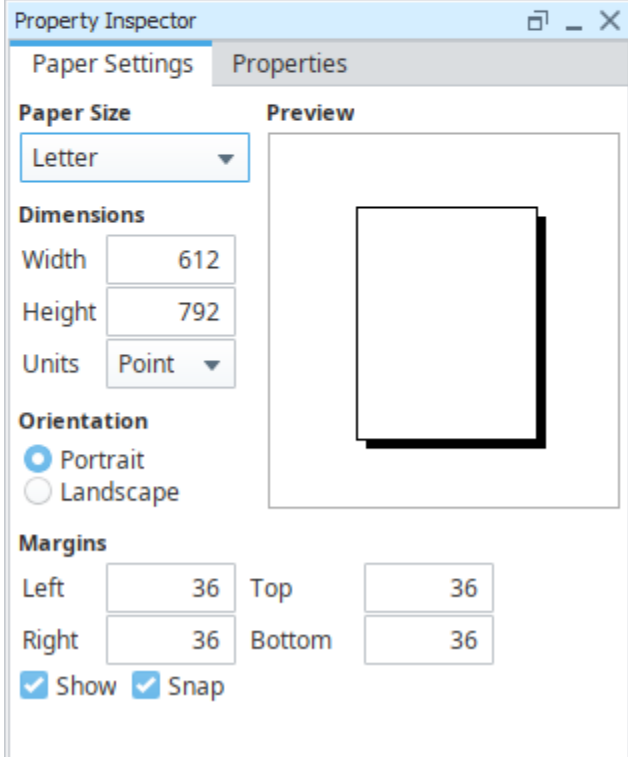
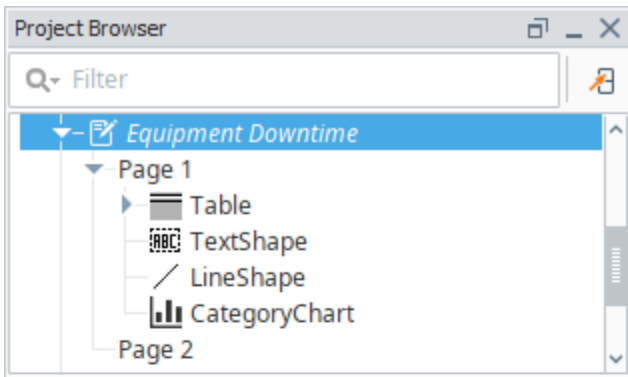


On this page ...

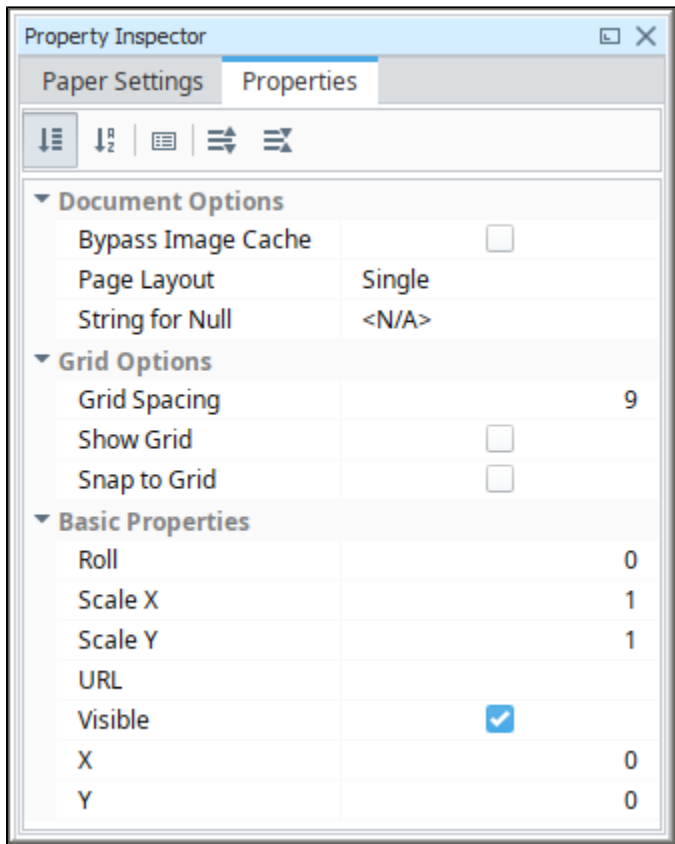
- [Properties](#)
- [Paper Settings Tab](#)
- [Properties Tab](#)

Properties

Paper Settings Tab



Property	Description
Paper Size	The desired paper size for the report. Many common sizes are available. When a size is selected, the width and height of the selected size are loaded into the Dimensions property.
Dimensions	<p>Contains the Width and Height of the page. These properties work in conjunction with the Units property. The Dimensions may be changed manually here, or by modifying the Paper Size property.</p> <p>This section also contains a Units drop down with the following units of measurement:</p> <ul style="list-style-type: none"> • Inch. • Point (Printer Point). 1 inch = 72 points • Centimeter. • Millimeter. • Pica. 1 inch = 6 picas
Orientation	Determines if the report should appear as Portrait (taller reports) or Landscape (wider reports)
Margins	<p>Allows you to specify the position of the margin on the report.</p> <p>Properties Tab</p> <p>If the Show property is enabled, the margin is visible on the report's Design Panel. The margin will never appear on the Preview Panel or on the generated reports.</p> <p>The Snap property, when enabled, will cause report components to snap to the margin if moved within close proximity.</p>



Property	Description
Grid Spacing	The space between each grid in Printer Points. Defaults to 9, which is 1/8th of an inch.
Show Grid	Enables a grid on the Design Panel. Useful for spacing out each component on the report. The grid is not visible on the Preview Panel, or on the resulting report.
Snap to Grid	When dragging a component, enabling this property will cause the component to snap to the grid.
Bypass Image Cache	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.18 Click here to check out the other new features</p> </div> <p> Ignores image caching in reports when set to true. Default value is false. The Reporting module keeps past image data temporarily by default. Enabling this property prevents potential issues such as the Image component showing the old image instead of the new one, which can alternatively be fixed by restarting the Reporting module.</p>
Page Layout	<p>Specifies how the page looks in the designer. Has the following options:</p> <ul style="list-style-type: none"> • Single: The default value. Only a single page of the report appears in the Design Panel at a time. • Double: Shows two pages in the Design Panel, horizontally adjacent, with page 1 starting on the left. • Quadruple: Shows four pages in the Design Panel, horizontally adjacent • Facing: Shows two pages at a time. Cycling through pages moves through two pages at a time, starting with page 1 on the right (similar to reading through a book). • Continuous: Stacks the pages vertically adjacent, with page 1 at the top. • ContinuousDouble: A combination of Double and Continuous; two horizontally adjacent pages are stacked vertically, with pages 1 and 2 at the top.
String for Null	Specifies the value to use should a key return a null value. Note that individual Text Shapes also have a String for Null property that will override this property.
Roll	Number of degrees this shape is rotated clockwise.
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.

Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Navigates to the previous page.</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Navigates to the previous page.	Replace "Number" with a numeral. Navigates to the specified page.
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Page:Back	Navigates to the previous page.								
Navigates to the previous page.	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the top edge of this shape and the top edge of the page.								

Report Design - Shape Palette

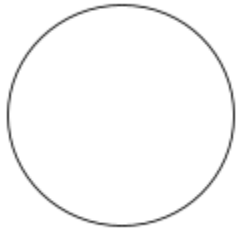
Shape Components

The following components allow users to create shapes.

In This Section ...

Report - Ellipse Shape

The **Ellipse** shape component creates circles and ellipses that can be used in a report. Select the Ellipse shape on the Report Component Palette to make it active, and click and drag to draw an ellipse anywhere in the Report Designer. Once an ellipse or circle is created, you can use the handles to change its width and height. Hold Shift to force the shape into a circle. You can also change its stroke style, color, start angle, and sweep angle.



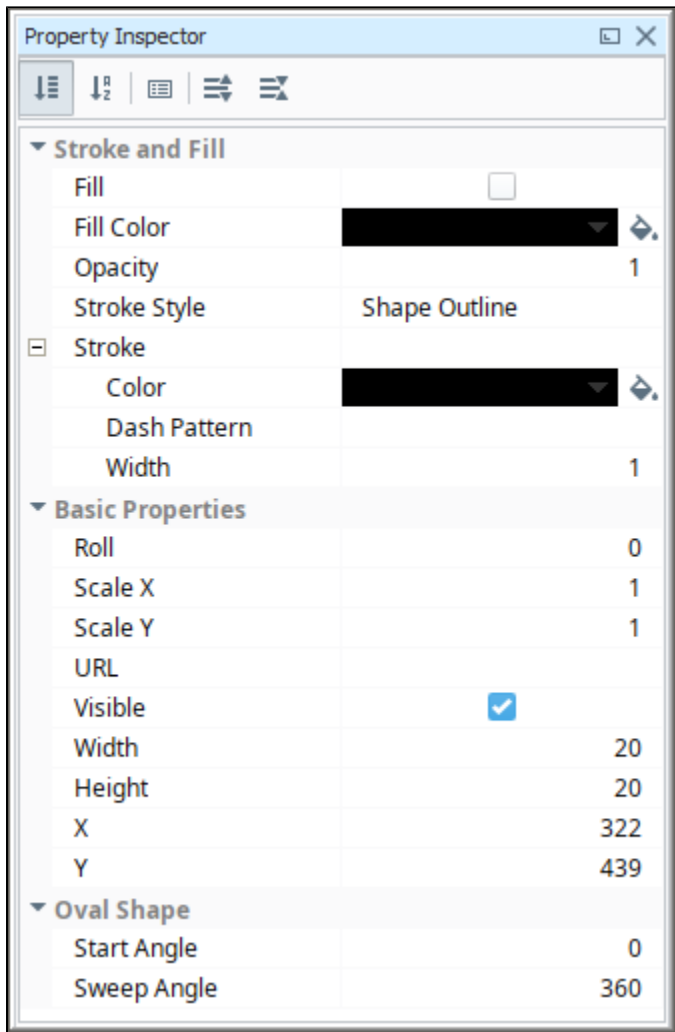
Report Design Component Palette Icon:



Properties

On this page ...

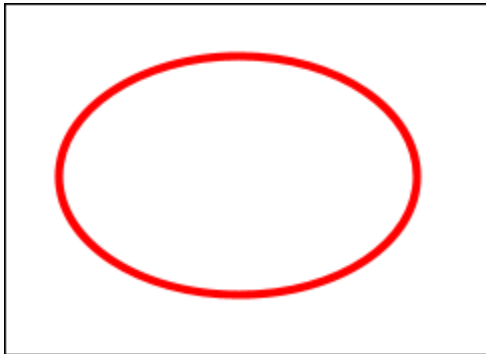
- [Properties](#)
- [Example](#)



Property	Description
Fill	If true, the shape will fill its space with color.
Fill Color	If Fill is selected, the color that will fill the shape.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	<p>Details for the chosen stroke. Each Stroke has its own properties depending on the Stroke Style chosen.</p> <ul style="list-style-type: none"> • Color - Color to use for the stroke or border. • Dash Pattern - A "Dashed Pattern" string to specify the number of pixels on and off. For example, "5,10" • Width - Width of the stroke in pixels.
Roll	Number of degrees this shape is rotated clockwise.
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.

URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.								
Start Angle	Where to start the sweep angle, in degrees. 0 is at 3 o'clock.								
Sweep Angle	How many degrees the oval is swept. 0 shows just a line, 360 shows the full oval.								

Example



Property	Value
Stroke Style	Shape Outline
Stroke - Color	FF0000
Stroke - Width	5 pixels
Sweep Angle	360

Report - Line Shape

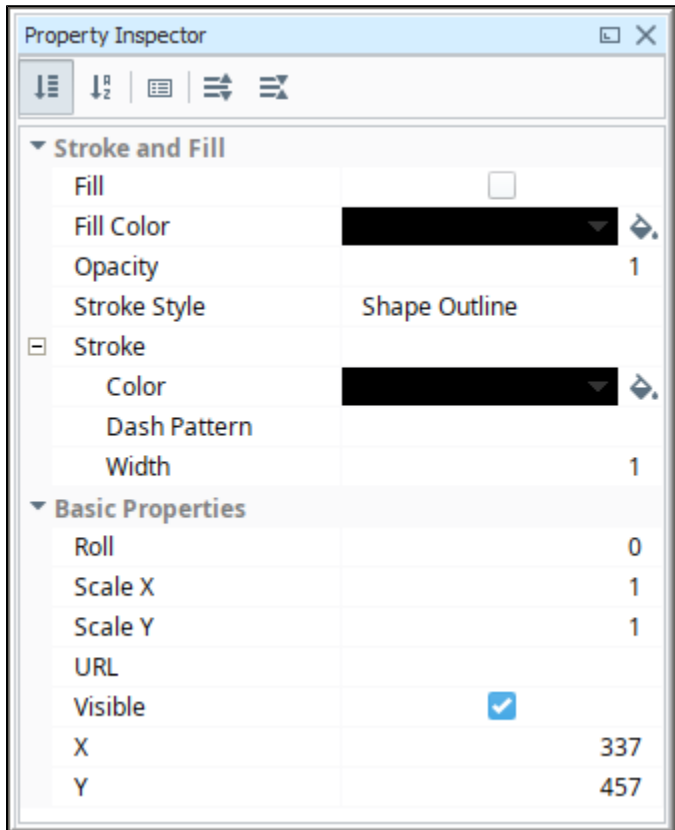
The Line shape component can be used to display a straight line any where in a report. It can run north-south, east-west, or diagonally. Select the Line shape on the Report Component Palette to make it active, and click and drag to draw a Line any where in your Report Designer. Hold shift while dragging to force the angle of the line to a 45 or 90 degree angle. You can change the stroke style, color, width, pattern, and more.



Report Design Component Palette Icon:



Properties



Property	Description
Fill	If true, the shape will fill its space with color.
Fill Color	If true is selected, the color that will fill the shape.
Opacity	How opaque the fill color is, between 0 and 1.

On this page ...

- [Properties](#)
- [Example](#)

Stroke Style	<p>What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties.</p> <ul style="list-style-type: none"> • Color - Color to use for the stroke or border. • Dash Pattern - A "Dashed Pattern" string to specify the number of pixels on and off. For example, "5,10" • Width - Width of the stroke in pixels. 								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Page:Next	Navigates to the next page.								
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Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.								
Stroke Color	Color of the line.								
Stroke Width	Width of the stroke in pixels.								

Example

This example demonstrates possible property values that result in two orange lines.



Property	Value
Stroke Style	Border
Stroke Color	FF8C00
Border Bottom	True
Border Top	True
Stroke Width	5 pixels

Report - Pencil Shape

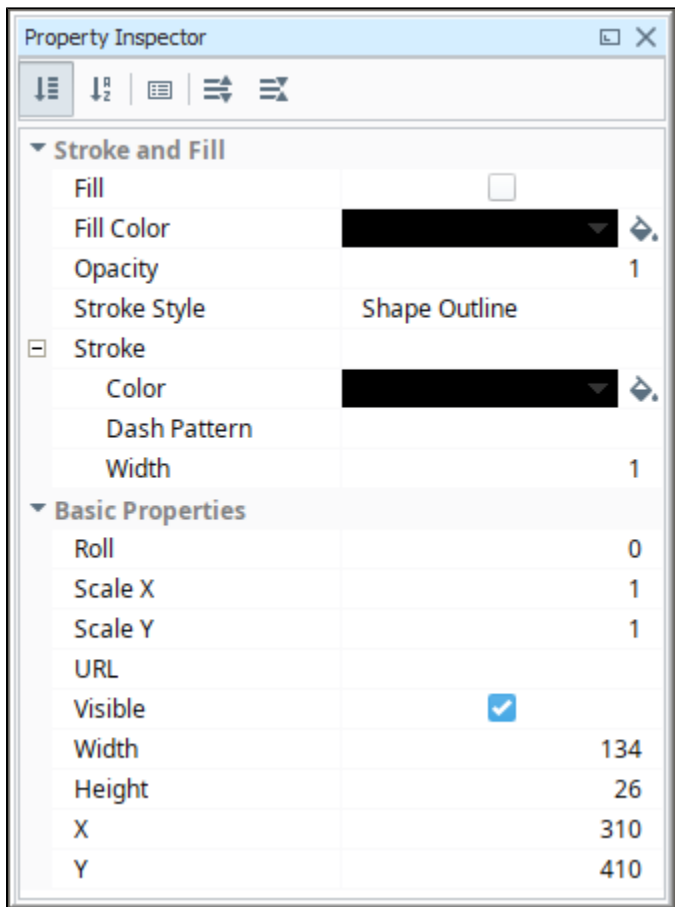
The Pencil shape component lets you draw free-hand path segments that automatically smooth the curves. Using a Pencil shape can emphasize an area or an item on a report. Select the Pencil shape on the Report Design Palette to make it active, and draw a free-hand path anywhere in the Report Designer. If you stop drawing inside the small square that is placed at the shape's origin, then you will create a closed path, otherwise, you'll create an open path (line). Once a path is created, you can use the handles to change its width and height. You can also change its stroke style, color, and more.



Report Design Component Palette Icon:



Properties



The Property Inspector window shows the following properties for the Pencil shape:

Stroke and Fill	
Fill	<input type="checkbox"/>
Fill Color	Black
Opacity	1
Stroke Style	Shape Outline
Stroke	
Color	Black
Dash Pattern	
Width	1
Basic Properties	
Roll	0
Scale X	1
Scale Y	1
URL	
Visible	<input checked="" type="checkbox"/>
Width	134
Height	26
X	310
Y	410

On this page ...

- [Properties](#)
- [Example](#)

Property	Description
Fill	If true, the shape will fill its space with color.

Fill Color	If Fill is selected, the color that will fill the shape.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	<p>Details for the chosen stroke. Each Stroke has its own properties depending on the Stroke Style chosen.</p> <ul style="list-style-type: none"> • Color - Color to use for the stroke or border. • Dash Pattern - A "Dashed Pattern" string to specify the number of pixels on and off. For example, "5,10" • Width - Width of the stroke in pixels. 								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.								

Example

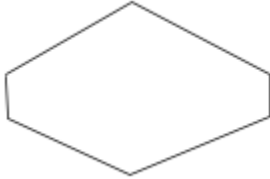
This example shows possible values to set Pencil stroke properties.



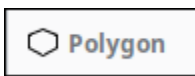
Property	Value
Stroke Style	Shape Outline
Stroke Color	FF0000
Stroke Width	6 pixels

Report - Polygon Shape

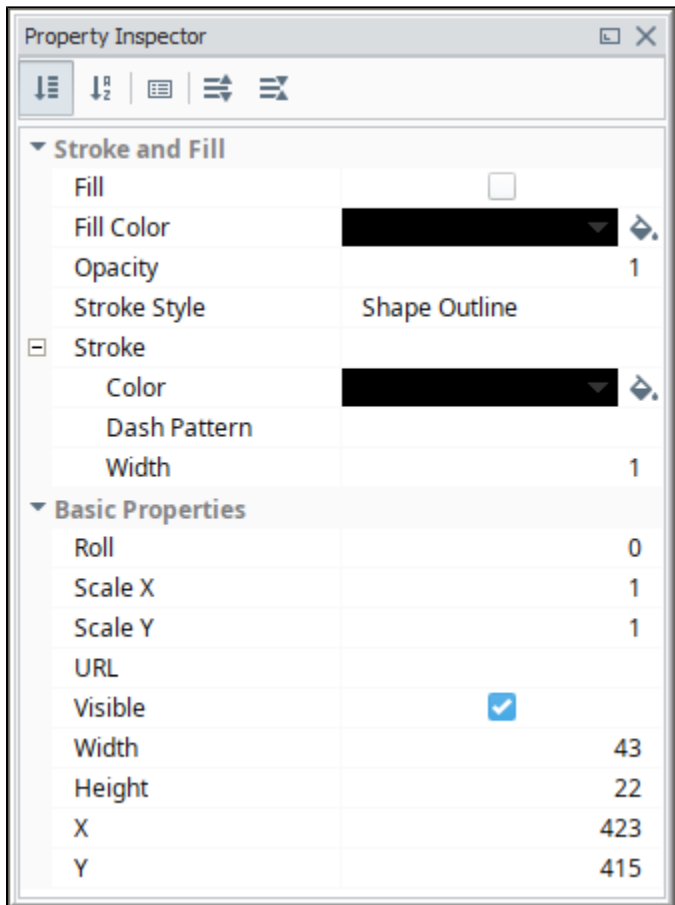
The Polygon shape component creates custom polygon shapes by drawing and connecting lines, and can be used anywhere on a report. Select the Polygon shape on the Report Component Palette to make it active, click once to start a line and click to anywhere else to add additional corners. Click on the starting location to form a polygon shape. Once the polygon component is created, you can use the handles to change its size. Double click on any of the individual lines to change the size and shape of the selected line. You can also change its stroke style, color, and dash pattern by using its properties.



Report Design Component Palette Icon:



Properties



Stroke and Fill	
Fill	<input type="checkbox"/>
Fill Color	[Color]
Opacity	1
Stroke Style	Shape Outline
Stroke	
Color	[Color]
Dash Pattern	
Width	1
Basic Properties	
Roll	0
Scale X	1
Scale Y	1
URL	
Visible	<input checked="" type="checkbox"/>
Width	43
Height	22
X	423
Y	415

On this page ...

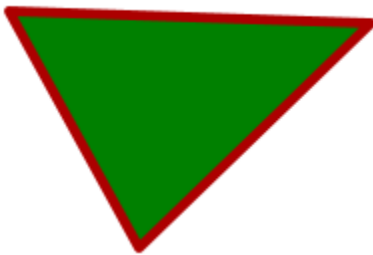
- [Properties](#)
- [Example](#)

Property	Description
Fill	If true, the shape will fill its space with color.
Fill Color	If Fill is selected, the color that will fill the shape.

Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	<p>Details for the chosen stroke. Each Stroke has its own properties depending on the Stroke Style chosen.</p> <ul style="list-style-type: none"> • Color - Color to use for the stroke or border. • Dash Pattern - A "Dashed Pattern" string to specify the number of pixels on and off. For example, "5,10" • Width - Width of the stroke in pixels. 								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.								

Example

You can draw a triangle by clicking in three places, then once more at your start location.



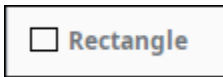
Property	Value
Fill Color	008000
Stroke Style	Shape Outline
Stroke Color	AC0000
Stroke Width	7 pixels

Report - Rectangle Shape

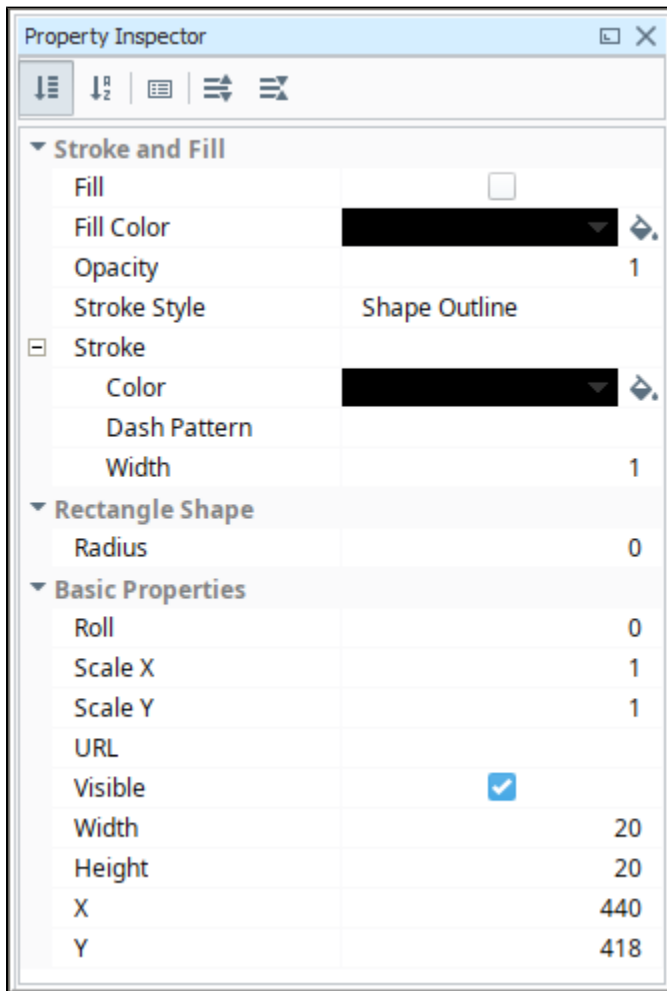
The Rectangle shape component creates a square or rectangle and can be used anywhere on a report. Select the Rectangle shape on the Report Component Palette to make it active, and click and drag anywhere in your Report Designer to create a rectangle shape. Once the rectangle component is created, you can use the handles to change its height and width. Hold Shift while dragging to create a square instead of a rectangle. You can also change its stroke style, color, and dash pattern.



Report Design Component Palette Icon:



Properties



The Property Inspector window displays the following properties for the Rectangle shape:

Property	Value
Stroke and Fill	
Fill	<input type="checkbox"/>
Fill Color	Black
Opacity	1
Stroke Style	Shape Outline
Stroke	
Color	Black
Dash Pattern	
Width	1
Rectangle Shape	
Radius	0
Basic Properties	
Roll	0
Scale X	1
Scale Y	1
URL	
Visible	<input checked="" type="checkbox"/>
Width	20
Height	20
X	440
Y	418

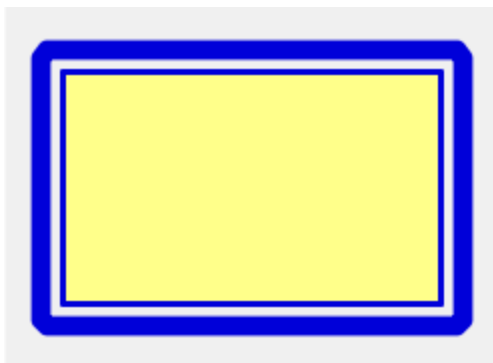
On this page ...

- [Properties](#)
- [Example](#)

Property	Description
Fill	If true, the shape will fill its space with color.

Fill Color	If Fill is selected, the color that will fill the shape								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	<p>Details for the chosen stroke. Each Stroke has its own properties depending on the Stroke Style chosen.</p> <ul style="list-style-type: none"> • Color - Color to use for the stroke or border. • Dash Pattern - A "Dashed Pattern" string to specify the number of pixels on and off. For example, "5,10" • Width - Width of the stroke in pixels. 								
Radius	Amount to radius the corners of this shape.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.								

Example



Property	Value
Fill Color	FFFF8A
Stroke Style	Double
Stroke Color	0000AC

Stroke Inner Width	3 pixels
Stroke Outer Width	10 pixels
Stroke Position	Inner on path
Stroke Separation	5 pixels

Report - Star Shape

The Star shape component creates a star and can be used anywhere on a report. Select the Star shape on the Report Component Palette to make it active, and draw a star anywhere in your Report Designer. Once the star is created you can use the handles to resize it. You can change the number of star points, bloat, color, and stroke using its properties.



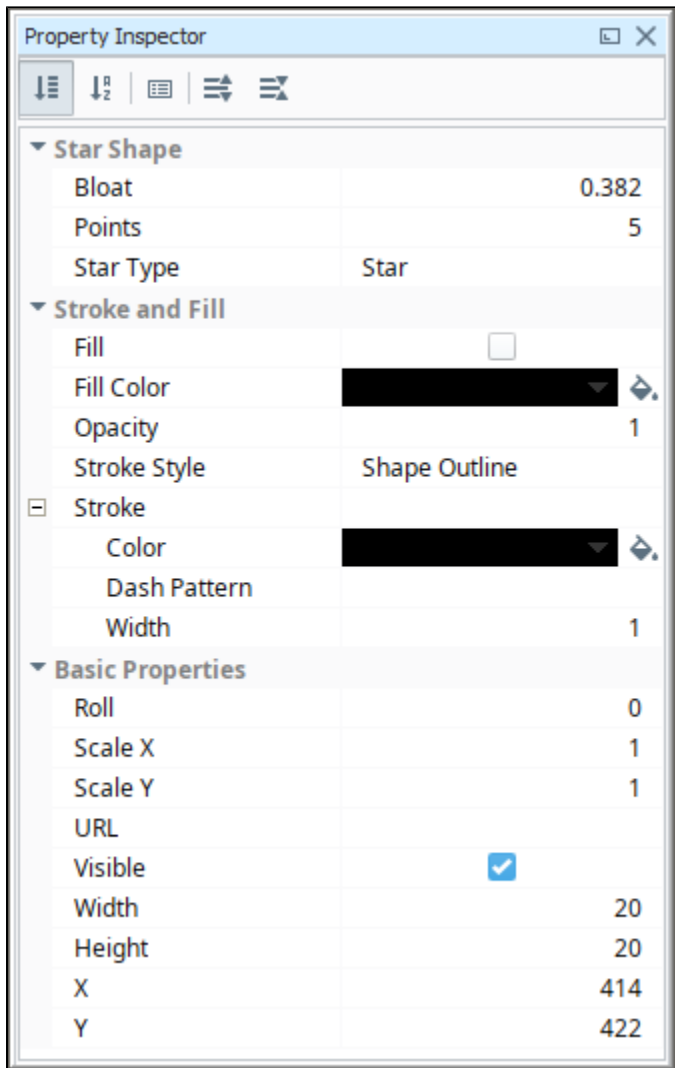
Report Design Component Palette Icon:



Properties

On this page ...

- [Properties](#)
- [Example](#)

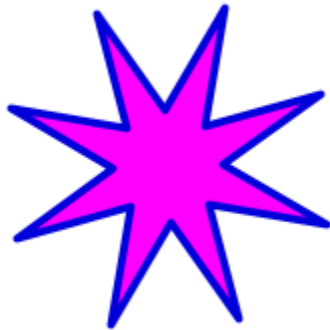


Property	Description
Bloat	How wide each arm of the star is. 0 will give lines for each arm, 1 makes the star a polygon with twice as many sides as the points property.
Points	Number of points in the star shape.
Star Type	Switches the star shape from a Star to a Polygon.
Fill	If true, the shape will fill its space with color.
Fill Color	If Fill is selected, the color that will fill the shape.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen. <ul style="list-style-type: none"> • Color - Color to use for the stroke or border. • Dash Pattern - A "Dashed Pattern" string to specify the number of pixels on and off. For example, "5,10" • Width - Width of the stroke in pixels.
Roll	Number of degrees this shape is rotated clockwise.
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.

URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 20%;">Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
Page:Next	Navigates to the next page.								
Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape to the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape to the top edge of the page.								

Example

This example shows possible values for the Star shape properties.



Property	Value
Points	8
Fill Color	FF00FF
Stroke Color	0000D9
Roll	20

Report - Text Shape

The Text shape component creates a text area for static or data key bound content. It is used for report titles, customized page headers and footers, and of course, any additional text you want to add to a report. Select the Text Shape on the Report Component Palette to make it active, draw a rectangle in your Report Designer, and begin entering text. After it is created, you can move the Text component around, expand it, or shrink it by using the handles when the component is selected. The Text Shape component has two tabs; the Edit Text and Properties tabs.

The Edit Text tab has a set of functions on the right side of the tab to quickly edit the text, like changing the font type, size, style, and color. These same properties may also be modified from the Properties tab. Properties that are modified will usually affect all text in that object regardless of specific text selection. The Properties tab has a lot of properties associated with Text Shape component, including Data Key Format Properties for Date and Number formats by simply choosing a format from the list of available templates.

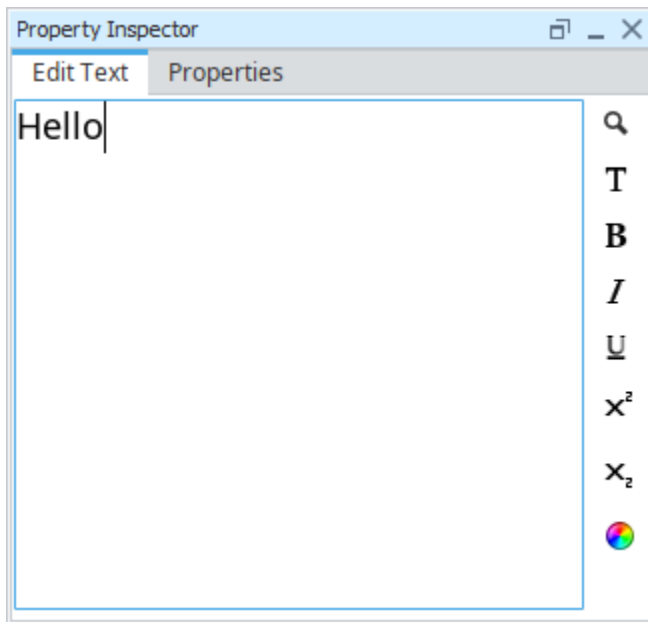


Report Design Component Icon:



Properties





Property Inspector - Edit Text Tab



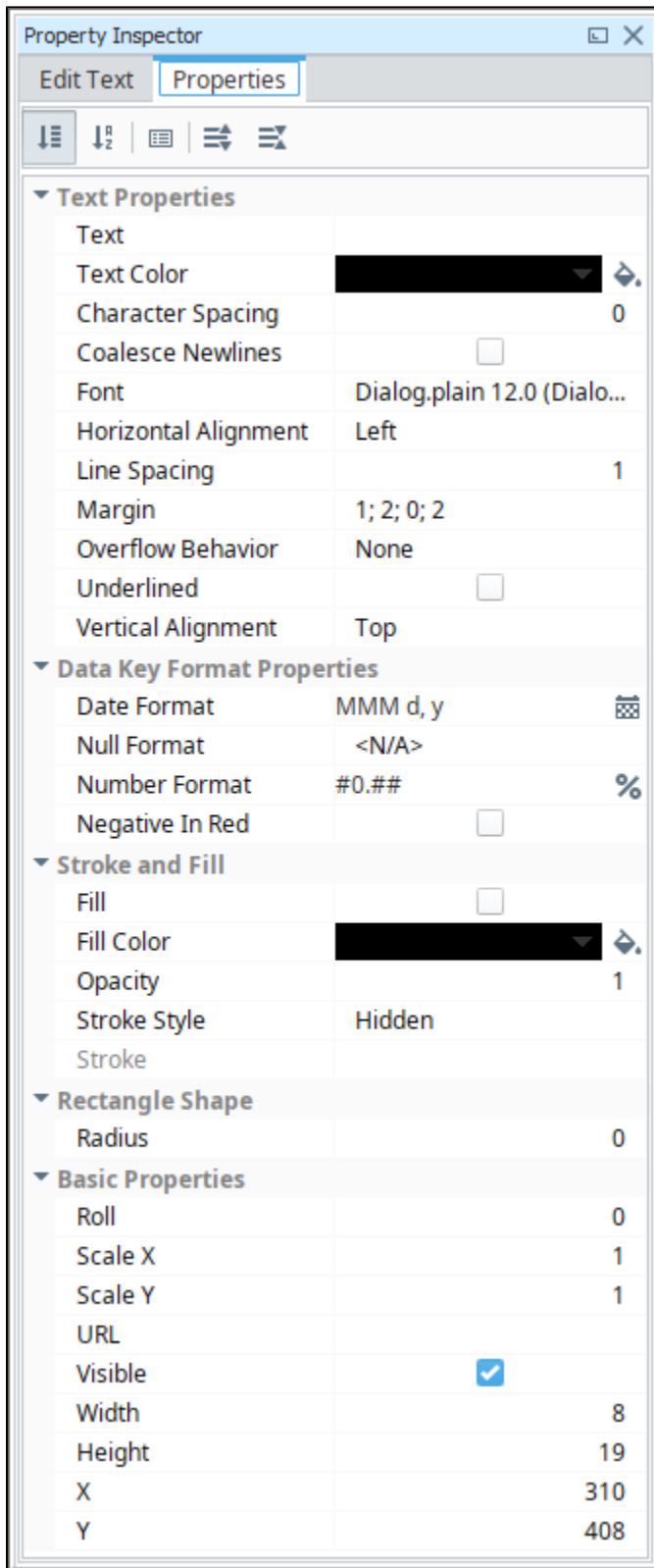
Property	Description
	Insert data key
T	Select font and size
B	Bold
<i>I</i>	Italic

On this page ...

- [Properties](#)
 - [Property Inspector - Edit Text Tab](#)
 - [Property Inspector - Properties Tab](#)
- [Using HTML in the Edit Text Tab](#)
 - [Supported Tags](#)
- [Example](#)
 - [Used Car Inventory Settings](#)
 - [April 2020 settings](#)

	Underline
	Superscript
	Subscript
	Choose font color

Property Inspector - Properties Tab



Property	Description
Text	Text to display in the shape.
Text Color	Color of the text.

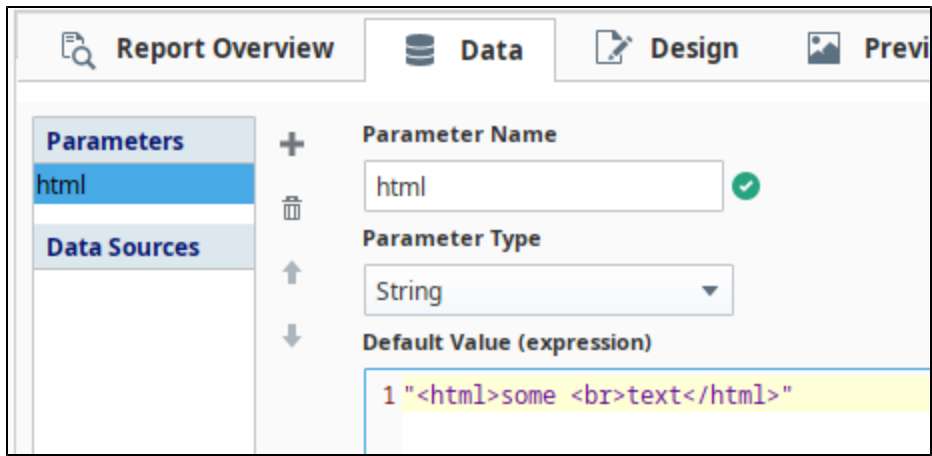
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.								
Coalesce Newlines	If true, consecutive line breaks will be merged into one.								
Font	Font to use for the text.								
Horizontal Alignment	Horizontal alignment for text.								
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.								
Margin	Margin between text and bounds of shape in pixels. Format is top; left; bottom; right.								
Overflow Behavior	How text that overflows the bounds of the shape should be handled. <ul style="list-style-type: none"> • Paginate - text is pushed to the next page if the number of characters exceed the shape. • Shrink text to fit - text fits into the shape when expanded, and the font is smaller when previewed or printed. • Grow row - text fits into the shape and shows when the shape is expanded, previewed, or printed. 								
Underlined	If true, use underlined text.								
Vertical Alignment	Vertical alignment for text.								
Date Format	Format to use for dates in this shape.								
Null Format	Format to use for null values in this shape.								
Number Format	Format to use for numbers in this shape.								
Negative in Red	If true, show negative numbers in red.								
Fill	If true, the shape will fill its space with color.								
Fill Color	If Fill is selected, the color that will fill the shape.								
Opacity	How opaque the Fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Radius	Amount to radius the corners of this shape if using a Stroke.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
Page:Next	Navigates to the next page.								
Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.								

Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.
---	--

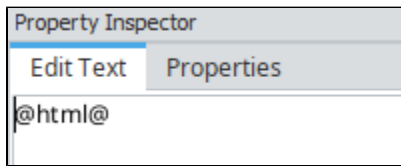
Using HTML in the Edit Text Tab

Text Shapes can render HTML tags, but only if the value of the Text property is referencing a report parameter that contains HTML. For example, if a parameter contained the following value, then you can assign an html parameter to the Text property of a Text shape.

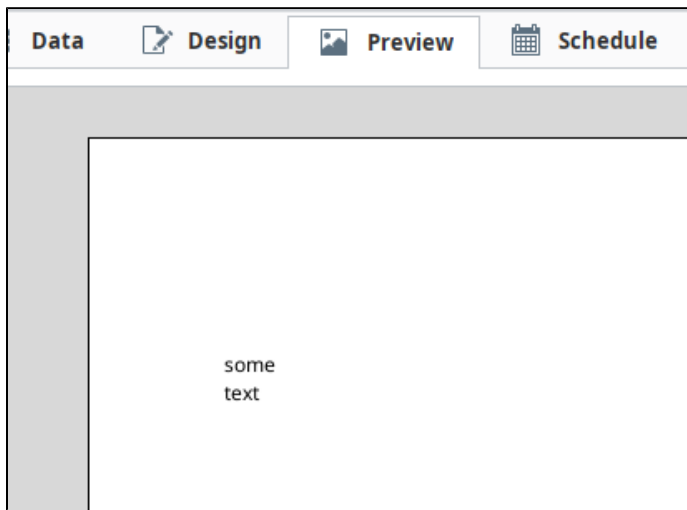
```
"<html>some <br>text</html>"
```



Then, in the Edit Text tab on the Text shape, enter @html@.



Access the Preview tab to see how the key renders.



Supported Tags

Below is a listing of all tags. You don't need to include the closing formatting tag if the rest of the string should use the formatting.

Formatting Option	Tag	Example
-------------------	-----	---------

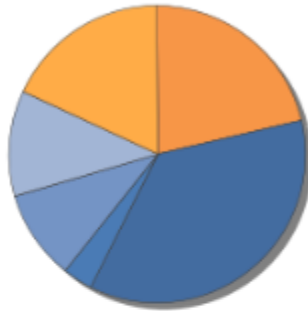
Line Break	 	<html>Hello World</html>																
Bold		<html>Hello World</html>																
Italic	<i>	<html>Hello <i>World</i></html>																
Emphasis	 Displayed as italics.	<html>Hello World</html>																
Underline	<u>	<html>Hello <u>World</u></html>																
Font Size	 Where x is one of the following values <table border="1" data-bbox="363 495 623 863"> <thead> <tr> <th>Value</th> <th>Size Modifier</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>.5</td> </tr> <tr> <td>2</td> <td>.75</td> </tr> <tr> <td>3</td> <td>1.0</td> </tr> <tr> <td>4</td> <td>1.2</td> </tr> <tr> <td>5</td> <td>1.4</td> </tr> <tr> <td>6</td> <td>1.6</td> </tr> <tr> <td>7</td> <td>2.0</td> </tr> </tbody> </table>	Value	Size Modifier	1	.5	2	.75	3	1.0	4	1.2	5	1.4	6	1.6	7	2.0	<html>Hello World</html>
Value	Size Modifier																	
1	.5																	
2	.75																	
3	1.0																	
4	1.2																	
5	1.4																	
6	1.6																	
7	2.0																	
Font Color	 Where x is a named color, such as 'red' or a hex code (#0000FF)	<html>Hello World</html> <html>Hello World</html>																
Superscript	<sup>	<html>Hello ^{World}</html>																
Subscript	<sub>	<html>Hello _{World}</html>																
Alignment	<left>, <center>, <right>	<html>Hello <center>World</center></html>																

Example

This example shows the property values used to create a heading for the Used Car Inventory report below.

Used Car Inventory

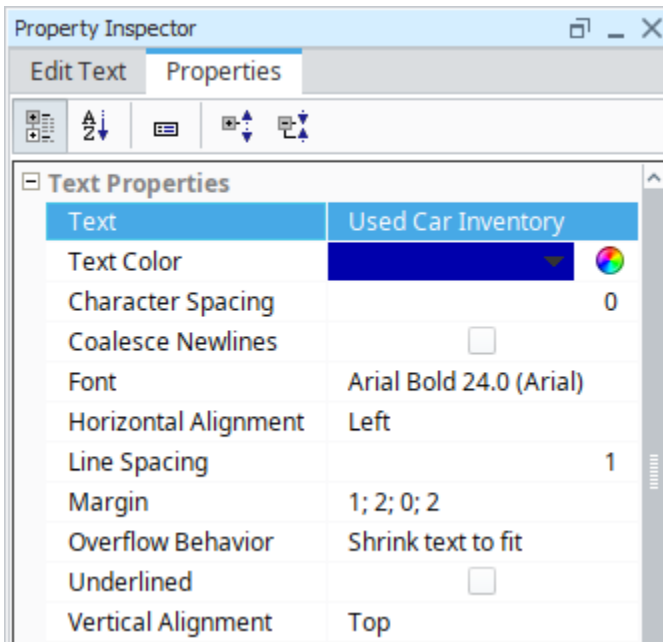
April 2020



● Ford ● Toyota ● Mercedes ● Buick ● Lexus ● Jeep

Make	Quantity
Ford	13
Toyota	22
Mercedes	2
Buick	6
Lexus	7
Jeep	11

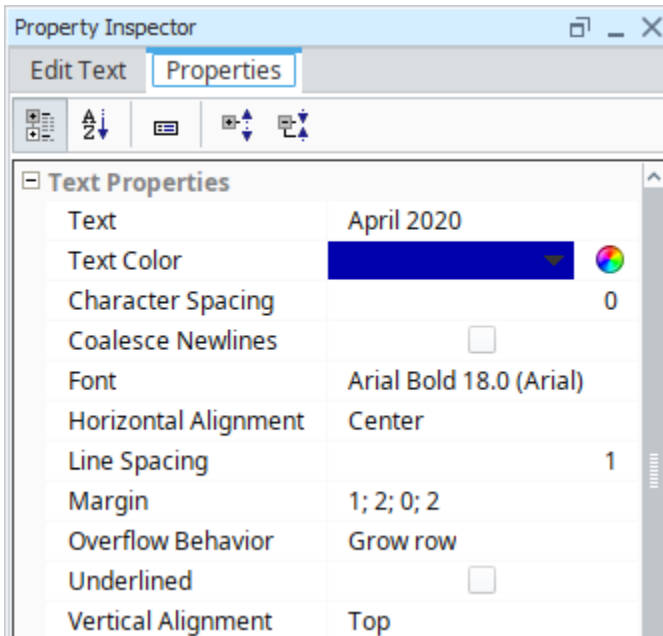
Used Car Inventory Settings



Used Car Inventory

Property	Value
Text	Used Car Inventory
Text Color	FFFFFF, Bold
Font Size	24 pixels

April 2020 settings



April 2020

Property	Value
Text	April 2020
Text Color	FFFFFF
Font Size	18 pixels

Report Design - Table Palette

Table Components

The following components give you various types of Tables for displaying values.

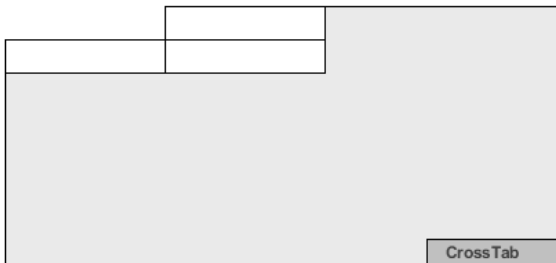
[In This Section ...](#)

Report - Crosstab Table

Crosstab Tables are commonly used to summarize the relationship between two categories of data by showing summaries of cross sections of the data source. The Crosstab Table allows you to very quickly show cross sections of data where the other table types are focused on a dynamic number of rows and columns. Crosstab data should contain the following:

- Lots of repetitious data. Sums, Averages, and other Aggregating functions are well represented by Crosstab Tables.
- A data source that provides at least two columns of data which are repetitious compared to the number of rows.
- One or more columns that represent a value that requires calculation. Examples are: summing money, displaying average response times, counting occurrences, etc. These calculations may be provided as columns or calculations of the data source, or as [Keychain Expressions](#).

Crosstab tables can be customized using table and cell properties. It also has a number of style templates. Select any one of the style templates, use as is, or double click on any of the cells to change the individual cell's properties. Configure the style in the Design panel, and view the table with your data in the Preview panel. To learn more about the Crosstab Table, refer to the [Crosstab and Simple Tables](#) page.



Report Design Component Palette Icon:



Properties

Table Properties

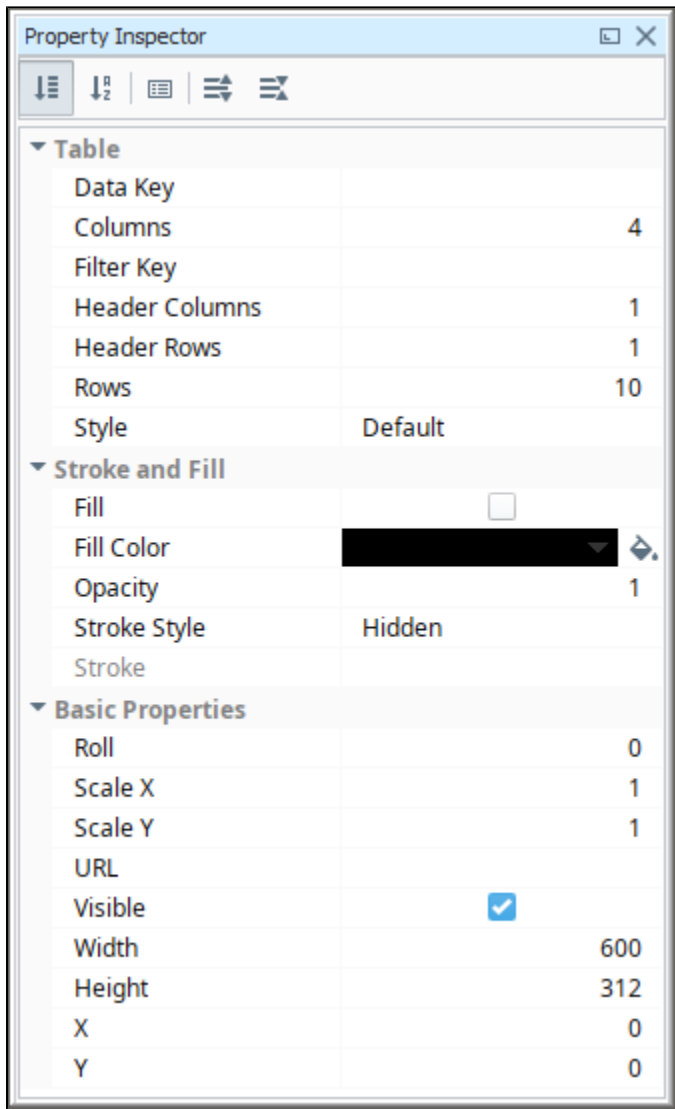
On this page ...

- [Properties](#)
 - [Table Properties](#)
 - [Cell Properties](#)
- [Reserved Column Names](#)
- [Example](#)



Crosstab Table

[Watch the Video](#)




Property	Description
Data Key	The data key associated with this Tabular component. Should be the data key of a data source that contains rows, such as a query.
Columns	Number of columns.
Filter Key	A key or expression used to prune the underlying data source's rows down. If not blank, only rows for which this key expression evaluates to true will be included.
Header Columns	Number of Header Columns.
Header Rows	Number of Header Rows.
Reprint Header Rows	Enable header row printing when pagination occurs.
Rows	Number of Rows.

Style	<p>Give the CrossTab or Simple Table a pre-configured style.</p> <ul style="list-style-type: none"> • None • Classic 1 through Classic 3 • Default • Elegant - with double border around the table. • Grid 1 through Grid 8 • List 1 through List 6 • Professional • Simple 1 through Simple 6 <p>The Style section below shows several examples of some of the style templates you can choose from.</p>								
Fill	If true, the shape will fill its space with color.								
Fill Color	If Fill is selected, the color that will fill the shape.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
Page:Next	Navigates to the next page.								
Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape to the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape to the top edge of the page.								


Cell Properties

Property Inspector


▼ Text Properties

Text	
Text Color	
Character Spacing	0
Coalesce Newlines	<input type="checkbox"/>
Font	Dialog,plain 12.0 (Dialog)
Horizontal Alignment	Center
Line Spacing	1
Margin	5; 5; 5; 5
Overflow Behavior	None
Underlined	<input type="checkbox"/>
Vertical Alignment	Middle

▼ Data Key Format Properties

Date Format	MMM d, y	
Null Format	<N/A>	
Number Format	#0.##	%
Negative In Red	<input type="checkbox"/>	

▼ Stroke and Fill

Fill	<input type="checkbox"/>
Fill Color	
Opacity	1
Stroke Style	Hidden
Stroke	
Show Top Divider	<input checked="" type="checkbox"/>
Show Left Divider	<input checked="" type="checkbox"/>
Show Bottom Divider	<input checked="" type="checkbox"/>
Show Right Divider	<input checked="" type="checkbox"/>

▼ Grouping

Grouping Key	
--------------	--

▼ Rectangle Shape

Radius	0
--------	---

▼ Basic Properties

Roll	0
Scale X	1
Scale Y	1
URL	
Visible	<input checked="" type="checkbox"/>
Width	120
Height	25
X	120
Y	112

Property	Description
Text	Text to display in the shape.
Text Color	Color of the text.
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.
Coalesce Newlines	If true, consecutive line breaks will be merged into one.
Font	Font to use for the text.
Horizontal Alignment	Horizontal Alignment for text: Left; Right; Center; Full.
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.
Margin	Margin between texts and bounds of shape in pixels. Format is top: left: bottom; right.
Overflow Behavior	How text that overflows the bounds of the shape should be handled. Select Shrink text to fit to reduce the font size when previewed or printed so that the text fits into the shape.
Underlined	If true, use underlined text.
Vertical Alignment	Vertical alignment for text: Top; Middle; Bottom.
Date Format	Formats to use for dates in this shape.
Null Format	Formats to use for null values in this shape.
Number Format	Formats to use for numbers in this shape.
Negative in Red	If true, show negative numbers in red.
Fill	If true, the shape will fill its space with color.
Fill Color	If Fill is selected, the color that will fill the shape.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.
Show Top Divider	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;"> <p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> </div> <p>If true, show top divider.</p>
Show Left Divider	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;"> <p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> </div> <p>If true, show left divider.</p>
Show Bottom Divider	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;"> <p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> </div> <p>If true, show bottom divider.</p>

Show Right Divider	<p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> <p>If true, show right divider.</p>								
Grouping	Grouping Key will add a row or column for each Grouping the key generates.								
Radius	Amount to radius the corners of this shape.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
Page:Next	Navigates to the next page.								
Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	<p>Width of this shape in pixels.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								
Height	<p>Height of this shape in pixels.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								
X	<p>Horizontal distance in pixels between the left edge of this shape and the left edge of the page.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								
Y	<p>Vertical distance in pixels between the upper edge of this shape and the top edge of the page.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								

Cells have a functions feature. Double-click on a cell and then right-click to see the functions. All the functions are the same for any cell that is selected.

Function	Description
Clear Contents	Deletes all contents from the selected cell.
Add Row Above	Adds a row above the selected cell.
Add Row Below	Adds a row below the selected cell.
Add Column Before	Adds a column before the selected cell.
Add Column After	Adds a column after the selected cell.
Remove Row	Removes the selected row.
Remove Column	Removes the selected column.
Merge Cells	Combines the selected cells.
Split Cell	Splits the selected cell into individual cells.

Reserved Column Names

Besides the built-in keys for the Reporting Module's Table component, there are several reserved names that should not be used as keys for column headers. These keys are broken down into categories in the following table:

Key Type	Key
Heritage/Top Level	Running
Heritage/Top Level	Remaining
Heritage/Top Level	Up
Aggregate	total
Aggregate	average
Aggregate	count
Aggregate	countDeep
Aggregate	max
Aggregate	min

Example

The Elegant Style template was used for this CrossTab table in a report. This CrossTab Table shows the downtime in minutes for each piece of equipment at each site.

Equipment Downtime by Site

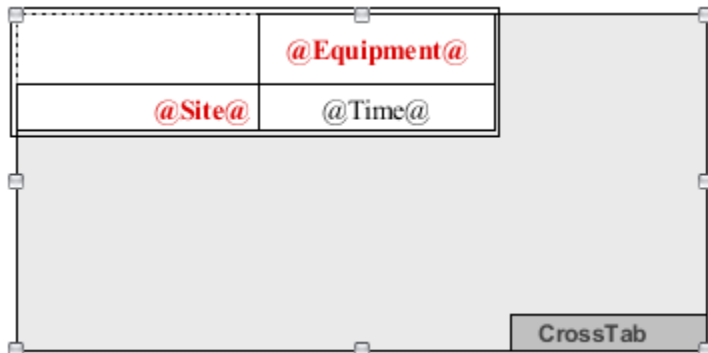
	Motor	Conveyor Line	Pallet Wrapper	Palletizer
Site A	15	56	58	20
Site B	100	148	55	40
Site C	96	50	45	30

The Downtime Dataset used for this CrossTab Table example is below:

Downtime Dataset

```
Equipment,Time,Site
Motor, 15, Site A
Motor, 23, Site A
Conveyor Line, 148, Site B
Pallet Wrapper, 58, Site A
Motor, 96, Site C
Conveyor Line, 23, Site B
Palletizer, 40, Site B
Palletizer, 30, Site C
Conveyor Line, 56, Site A
Conveyor Line, 50, Site C
Pallet Wrapper, 45, Site C
Motor, 43, Site C
Palletizer, 20, Site A
Pallet Wrapper, 55, Site B
Motor, 100, Site B
```

The data keys Equipment, Time, and Site were used to populate the CrossTab Table with data:



The property values used to configure the CrossTab Table are shown in the property list:

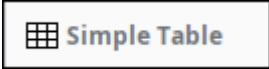
Property	Value
Style	Elegant
Text Color (for Equipment and Site Headers)	FF0000
Font	14
Horizontal Alignment	Center
Horizontal Alignment (for Site)	Right

Report - Simple Table

With the Simple Table, you can very quickly add a table inside a report. The Simple Table is a grid-like table structure that dynamically creates new rows and columns for rows returned by the Data Keys on the component. To learn more about the Simple Table, refer to the [CrossTab and Simple Tables](#) page.

Note: When creating an XLS file of a report that contains a Simple Table, the content in the Simple Table will be added as an editable overlay. To create an XLS file that places the data directly into cells on the spreadsheet, use a [Table](#) component instead.

Report Design Component Palette Icon:



On this page ...

- [Properties](#)
 - [Table Properties](#)
 - [Cell Properties](#)
- [Reserved Column Names](#)
- [Example](#)

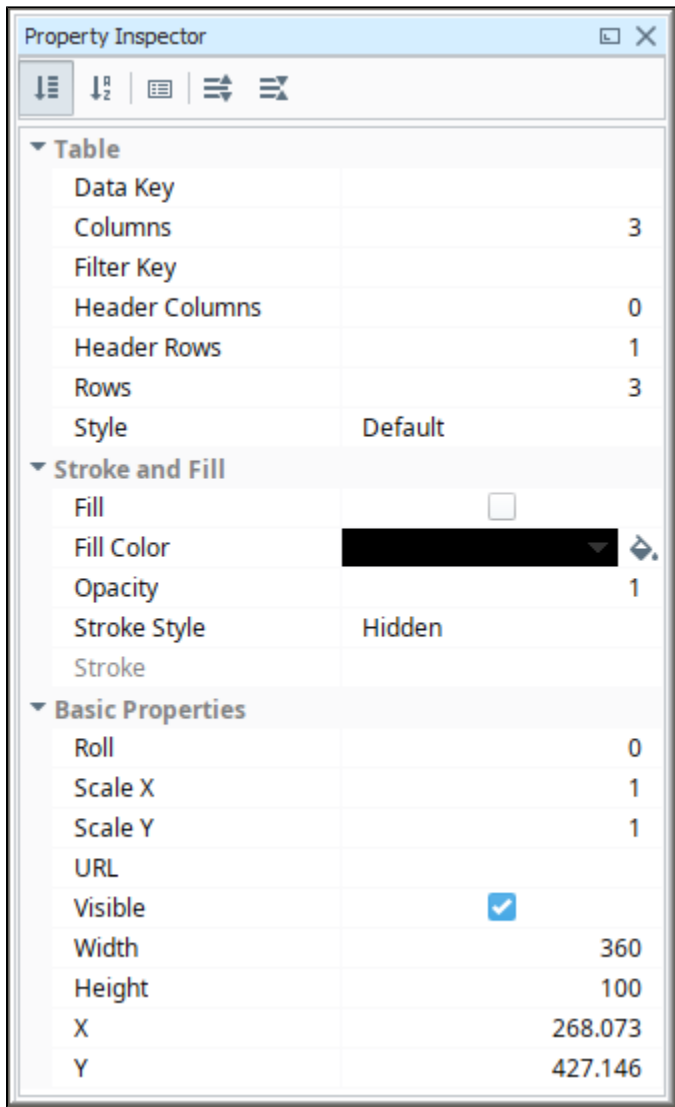


Simple Table

[Watch the Video](#)

Properties

Table Properties




Property	Description
Data Key	The data key associated with this Tabular component. Should be the data key of a data source that contains rows, such as a query.
Columns	Number of columns.
Filter Key	A key or expression used to prune the underlying data source's rows down. If not blank, only rows for which this key expression evaluates to true will be included.
Header Columns	Number of Header Columns.
Header Rows	Number of Header Rows.
Rows	Number of Rows.
Style	<p>Give the CrossTab or Simple Table a pre-configured style.</p> <ul style="list-style-type: none"> • None • Classic 1 through Classic 3 • Default • Elegant - with double border around the table. • Grid 1 through Grid 8 • List 1 through List 6 • Professional • Simple 1 through Simple 6 <p>The Style section below shows several examples of some of the style templates you can choose from.</p>

Fill	If true, the shape will fill its space with color.								
Fill Color	If Fill is selected, the color that will fill the shape.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
Page:Next	Navigates to the next page.								
Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								
Height	Height of this shape in pixels.								
X	Horizontal distance in pixels between the left edge of this shape to the left edge of the page.								
Y	Vertical distance in pixels between the upper edge of this shape to the top edge of the page.								


Cell Properties

Property Inspector


▼ Text Properties

Text	
Text Color	
Character Spacing	0
Coalesce Newlines	<input type="checkbox"/>
Font	Dialog,plain 12.0 (Dialog)
Horizontal Alignment	Center
Line Spacing	1
Margin	5; 5; 5; 5
Overflow Behavior	None
Underlined	<input type="checkbox"/>
Vertical Alignment	Middle

▼ Data Key Format Properties

Date Format	MMM d, y	
Null Format	<N/A>	
Number Format	#0.##	%
Negative In Red	<input type="checkbox"/>	

▼ Stroke and Fill

Fill	<input type="checkbox"/>
Fill Color	
Opacity	1
Stroke Style	Hidden
Stroke	
Show Top Divider	<input checked="" type="checkbox"/>
Show Left Divider	<input checked="" type="checkbox"/>
Show Bottom Divider	<input checked="" type="checkbox"/>
Show Right Divider	<input checked="" type="checkbox"/>

▼ Grouping

Grouping Key	
--------------	--

▼ Rectangle Shape

Radius	0
--------	---

▼ Basic Properties

Roll	0
Scale X	1
Scale Y	1
URL	
Visible	<input checked="" type="checkbox"/>
Width	120
Height	25
X	0
Y	0

Property	Description
Text	Text to display in the shape.
Text Color	Color of the text.
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.
Coalesce Newlines	If true, consecutive line breaks will be merged into one.
Font	Font to use for the text.
Horizontal Alignment	Horizontal Alignment for text: Left; Right; Center; Full.
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.
Margin	Margin between texts and bounds of shape in pixels. Format is top: left: bottom; right.
Overflow Behavior	How text that overflows the bounds of the shape should be handled. <ul style="list-style-type: none"> Shrink text to fit - text fits into the shape, and the font is smaller when previewed or printed. Grow row - text fits into the shape, and shows when the shape is expanded, previewed, or printed.
Underlined	If true, use underlined text.
Vertical Alignment	Vertical alignment for text: Top; Middle; Bottom.
Date Format	Formats to use for dates in this shape.
Null Format	Formats to use for null values in this shape.
Number Format	Formats to use for numbers in this shape.
Negative in Red	If true, show negative numbers in red.
Fill	If true, the shape will fill its space with color.
Fill Color	If Fill is selected, the color that will fill the shape.
Opacity	How opaque the fill color is, between 0 and 1.
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.
Show Top Divider	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;"> <p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> </div> <p>If true, show top divider.</p>
Show Left Divider	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;"> <p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> </div> <p>If true, show left divider.</p>
Show Bottom Divider	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;"> <p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> </div> <p>If true, show bottom divider.</p>

Show Right Divider	<p>The following feature is new in Ignition version 8.1.12 Click here to check out the other new features</p> <p>If true, show right divider.</p>								
Grouping	Grouping Key will add a row or column for each Grouping the key generates.								
Radius	Amount to radius the corners of this shape.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
Page:Next	Navigates to the next page.								
Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	<p>Width of this shape in pixels.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								
Height	<p>Height of this shape in pixels.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								
X	<p>Horizontal distance in pixels between the left edge of this shape and the left edge of the page.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								
Y	<p>Vertical distance in pixels between the upper edge of this shape and the top edge of the page.</p> <p><u>This feature was changed in Ignition version 8.1.12:</u></p> <p>As of 8.1.12, this property is read-only.</p>								

Reserved Column Names

Besides the built-in keys for the Reporting Module's Table component, there are several reserved names that should not be used as keys for column headers. These keys are broken down into categories in the following table:

Key Type	Key
Heritage/Top Level	Running
Heritage/Top Level	Remaining
Heritage/Top Level	Up
Aggregate	total
Aggregate	average
Aggregate	count
Aggregate	countDeep
Aggregate	max
Aggregate	min

Example

This Simple Table shows the total number of downtime events and downtime minutes, as well as the average number of downtime minutes for each piece of equipment. The included Equipment Downtime Dataset was used for this Simple Table example.

Equipment Downtime Events				
	Motor	Conveyor	Palletizer	Pallet Wrapper
Downtime Count	8	8	8	8
Total DT Duration (Min)	218	597	407	426
AVG DT Duration (Min)	27.25	74.62	50.88	53.25

```

Equipment, Duration_minutes
"Motor", 52
"Conveyor", 154
"Palletizer", 58
"Pallet Wrapper", 251
"Motor", 33
"Conveyor", 94
"Palletizer", 10
"Pallet Wrapper", 25
"Motor", 23
"Conveyor", 60
"Palletizer", 32
"Pallet Wrapper", 25
"Motor", 12
"Conveyor", 33
"Palletizer", 8
"Pallet Wrapper", 25
"Motor", 24
"Conveyor", 124
"Palletizer", 75
"Pallet Wrapper", 25
"Motor", 43
"Conveyor", 51
"Palletizer", 120
"Pallet Wrapper", 25
"Motor", 13
"Conveyor", 36
"Palletizer", 39
"Pallet Wrapper", 25
"Motor", 18
"Conveyor", 45
"Palletizer", 65
"Pallet Wrapper", 25

```

The Simple Table uses the Show Calculation property in the Key Browser and several of the Built-in Keys: 'count', 'total', and 'average.' Other properties were modified to make the column headers and row headers stand out. Double click on the cell to change the property values for that cell. The property values for this example are shown in the property list below.

	@Equipment@
Downtime Count	@count@
Total DT Duration (Min)	@total.Duration_minutes@
AVG DT Duration (Min)	@average.Duration_minutes@

Property	Value
Style	Default
Columns	1
Header Columns	1
Rows	3
Column Header	Equipment
Header in Row 1	Downtime Count
Header in Row 2	Total DT Duration (Min)

Header in Row 3	AVG DT Duration (Min)
Header Rows Color	0000D9, Bold
Header Column Color	0000D9, Bold

Report - Table

The Report Table displays data in a structured, repetitious format which gives reporting users the ability to flexibly layout and organize tabular data in a variety of ways. The Reporting engine automatically creates new pages to fit all data within the table's boundaries while applying formatting preferences such as font, size, layout, and alignment. Combine this feature with powerful data manipulation and layout tools, you get an object that forms the basis of your reports.



On this page ...

- [Table Properties](#)
 - [Configure Table Tab](#)
 - [Properties Tab](#)
- [Configure TableGroup Properties](#)
- [Row Properties](#)
- [Cell Properties](#)
- [Reserved Column Names](#)
- [Examples](#)

Report Design Component Palette Icon:

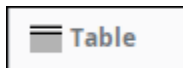
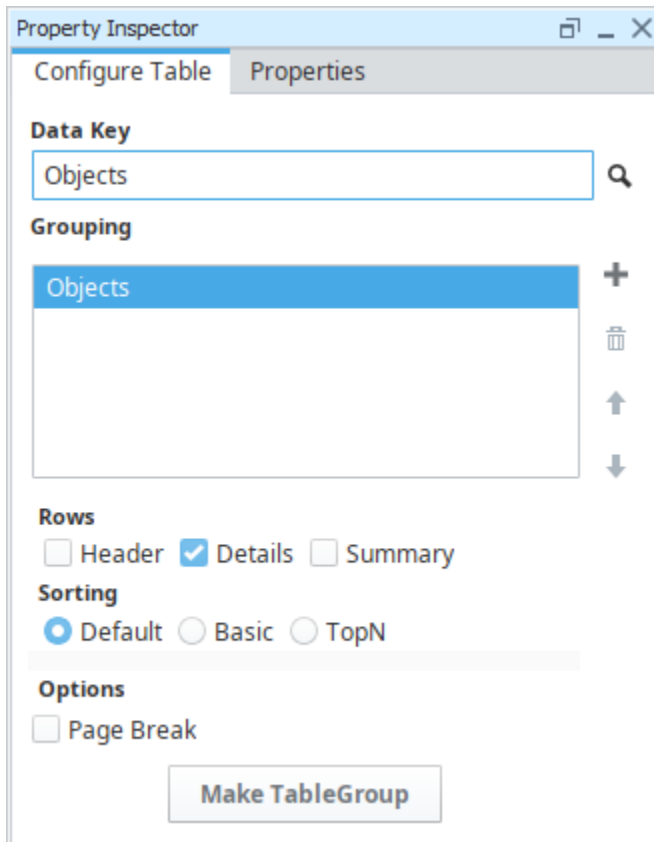


Table Properties

In the Property Inspector, use the Configure Table and Properties tabs to configure your table.

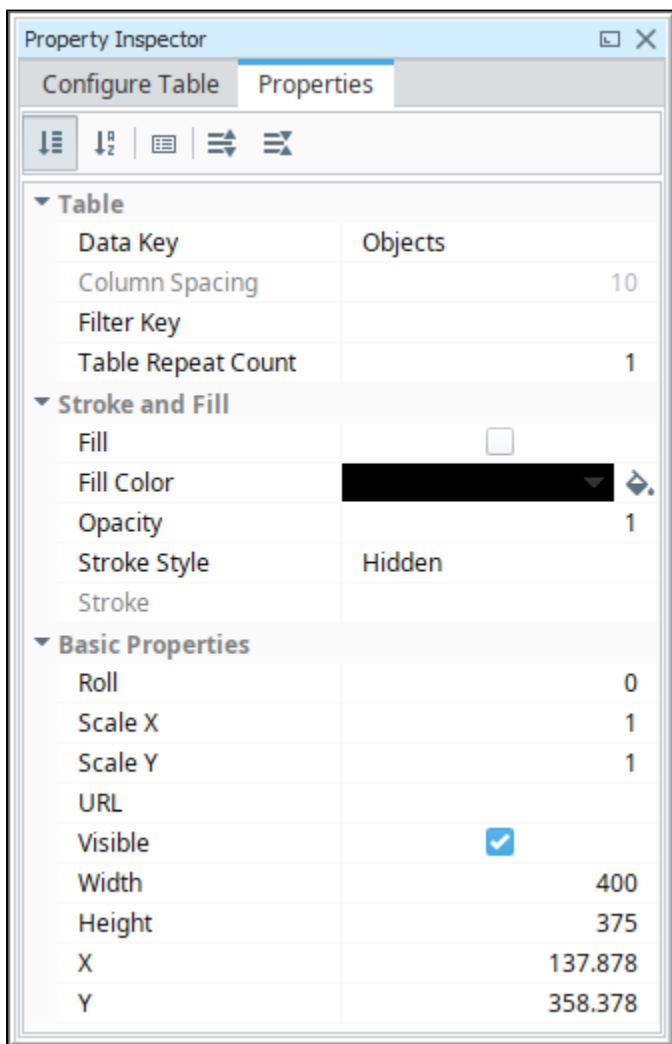
Configure Table Tab



Name	Description
Data Key	Unique identifier or placeholder that points to your data. Typically a data source is used for this property.

Grouping	Allows you to group the data by columns in the datasource. Will always at least group by the entire datasource.
Rows	<p>Rows in a table. There are three types:</p> <ul style="list-style-type: none"> • Header Row: A single row inserted at the start of the Detail Rows. Commonly used to display column headers. • Details Row: Represents the majority of the data on a table. • Summary Row: A single row inserted after all the Detail Rows. Commonly used to display totals or summary values.
Sorting	<p>Orders data in the table. Sorting occurs after the data has already been retrieved in the data source. There are three options:</p> <ul style="list-style-type: none"> • Default: Data sorted based on the order in which it is retrieved. When selected, the table will not sort the rows. • Basic: Allows a list of keys to be configured. The data is sorted in the order the keys are selected. • TopN: Uses a single key path, with a Count value that allows a limit to the number of rows that are processed.
Page Break	Creates a page break between each grouping.
Make Table Group	Turns the Table into a Table Group , where you can add 'child' and 'peer' tables.

Properties Tab



Name	Description
Data Key	Data Key associated with the table. Should be the data key of the data source that contains rows such as a query and should match the Data Key of the Configure Table Tab.
Table Repeat Count	Renamed the "Column Count" property to "Table Repeat Count". This is the number of times the table will repeat horizontally on a page before paginating. Set your table width to be the width of a single repeat, i.e., a Table Repeat Count of 3 means the with of the table should be 1/3 of the page width.

Column Spacing	The space between table columns.								
Filter Key	A key or expression used to prune the underlying data source's rows down. If not blank, only rows for which this key expression evaluates to true will be included.								
Starting Page Break	If true, the table will always start on a new page if part of a table group.								
Fill	If true, the shape will fill its space with color.								
Fill Color	If Fill is selected, the color that will fill the shape.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
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URL	<div style="border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
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Configure TableGroup Properties

Table Groups are a collection of multiple tables represented by a single component. Examples of their use can be found on the [Table Groups](#) page.

Objects Details		
Table Group		

Property Inspector
☐ - ✕

Configure TableGroup
Properties

[-] 📁 Top Object
+

■ Child Object
🗑

■ Peer Object
↑

↓

←

→

✕








Key

✔

Start on new page false

New page per row false

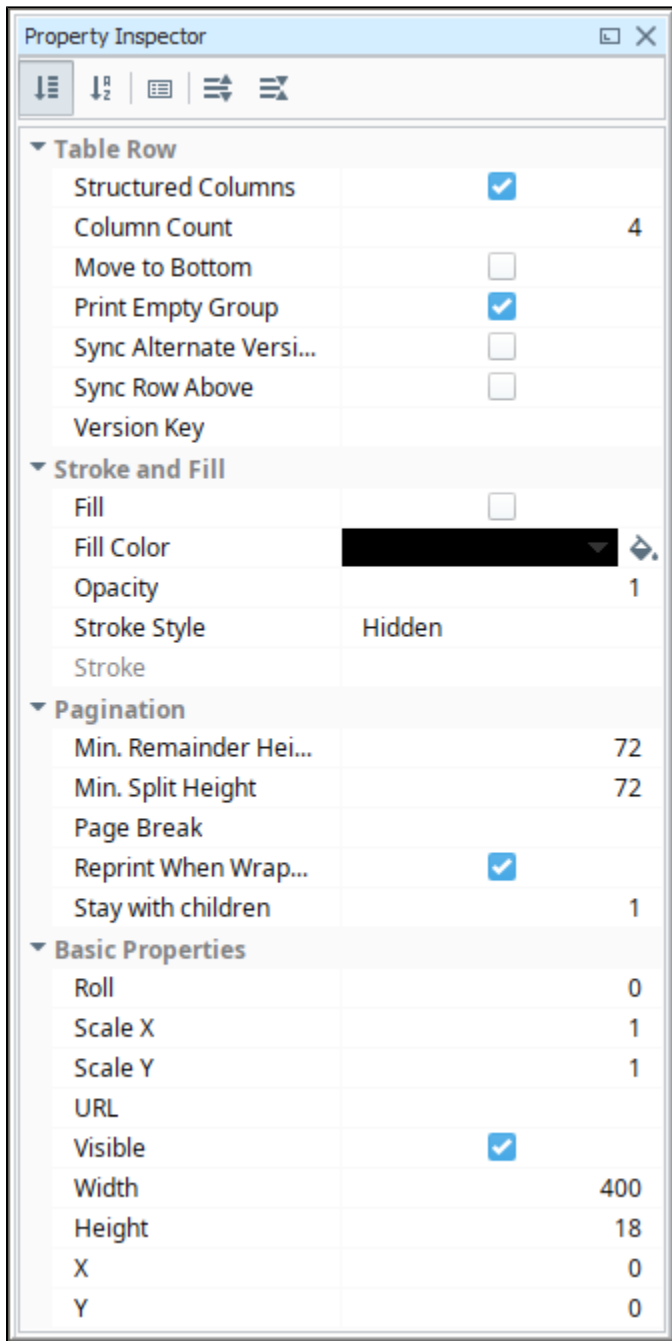
Name	Description

 Add Child/Peer Table	<p>Adds a new table to the group. Allows for the creation of a Child or Peer table.</p> <ul style="list-style-type: none"> Child Table: A copy of this table will be inserted in between each row of the parent table Peer Table: This table will appear after any preceding peers. <p>Note: The terms "child" and "peer" are relative to the adjacent tables. More details can be found on the Table Groups page.</p>
 Delete Table	<p>Removes the selected table from the group.</p>
 Move Up	<p>Moves the selected table up in the hierarchy. Tables are always presented in a Top-to-Bottom order, so your initial table should always be at the top.</p>
 Move Down	<p>Moves the selected table down in the hierarchy.</p>
 Move Left	<p>Moves the selected table left in the hierarchy, potentially changing the peer/child relationship with any tables listed above the selected table.</p>
 Move Right	<p>Moves the selected table right in the hierarchy, potentially changing the peer/child relationship with any tables listed above the selected table.</p>
 Destroy Table Group	<p>Removes the table group.</p> <p>Caution: This will delete any configurations on all tables below the top-most table.</p>
<p>Start on new page</p>	<p>Adds an explicit page break between the selected table and the prior peer table.</p>
<p>New page per row</p>	<p>Adds an explicit page break for each row of the selected table.</p>
<p>Key</p>	<p>The Key of the selected table.</p>

Row Properties

All [Table Rows](#) (Header, Details, and Summary) have the same properties, and all rows in the table use its own settings. You can click on each row to see the property values for that row. Here is a list of all the Table Row properties and their descriptions.

Factory	Capacity (Units)	Run Time (Minutes)	Units Produced
Factory Production Header Standard ▼			
@Facility@	@Capacity@	@Minutes@	@Produced@
Factory Production Details Standard ▼			
			Total Units Produced: @total.Produced@
Factory Production Summary Standard ▼			



Name	Description
Structured Columns	If true, this row will be organized into columns, otherwise, the row will allow free form design.
Column Count	If this row is structured, this is the number of columns in the row.
Move to Bottom	If true, this row will be moved to the bottom of the table.
Print Empty Group	If true, row will print even if it has no children. Only applicable for header or summary rows.

Sync Alternate Versions	If checked, the columns widths of this row will be synchronized with alternate row versions.								
Sync Row Above	If checked, the column widths of this row and the row above it will be synchronized as long as they have the same number of fields.								
Version Key	Data Key to drive which version of the table row to display.								
Fill	If true, the shape will fill its space with color.								
Fill Color	If Fill is selected, the color that will fill the shape.								
Opacity	How opaque the fill color is, between 0 and 1.								
Stroke Style	What style of stroke or border to use: Hidden, Shape Outline, Border, or Double. To learn more about stroke styles, refer to Stroke and Fill Properties .								
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.								
Min. Remainder Height	<p>Minimum distance in points between the bottom of the row that will split onto a new page. The default value of 72 points is equivalent to 1 inch.</p> <div style="border: 1px solid #add8e6; padding: 10px; margin: 10px 0;"> <p>Note: This and Min. Split Height are how the table determines when to add another row on to a page, or split the row to a new page. If using rows with a large height (such as those that contain another component, like a chart) you may find that the row is "split" horizontally across multiple pages. Setting this and Min. Split Height to a larger number will help prevent these splits.</p> </div>								
Min. Split Height	<p>Minimum distance in points between the top of the row that will split onto a new page. The default value of 72 points is equivalent to 1 inch.</p> <p>Typically set to the same number as Min. Remainder Height. See the information box on the Min. Remainder Height property above.</p>								
Page Break	Data Key or expressions used to determine whether row should force a page break.								
Reprint When Wrapped	If true, this row will be reprinted on a new page when its children cross a page boundary.								
Stay with Children	The number of children this row must be accompanied by, in the case where some children run off the bottom of a page.								
Roll	Number of degrees this shape is rotated clockwise.								
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.								
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.								
URL	<div style="border: 1px solid #ffcc99; padding: 10px; margin: 10px 0;"> <p>The following feature is new in Ignition version 8.1.19 Click here to check out the other new features</p> </div> <p>A link to attach to this reporting component. Will be a clickable hyperlink if the report is exported as a PDF. You can use the values below to link to internal pages.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>Page:Next</td> <td>Navigates to the next page.</td> </tr> <tr> <td>Page:Back</td> <td>Navigates to the previous page.</td> </tr> <tr> <td>Page:Number</td> <td>Replace "Number" with a numeral. Navigates to the specified page.</td> </tr> </tbody> </table>	Value	Description	Page:Next	Navigates to the next page.	Page:Back	Navigates to the previous page.	Page:Number	Replace "Number" with a numeral. Navigates to the specified page.
Value	Description								
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Page:Back	Navigates to the previous page.								
Page:Number	Replace "Number" with a numeral. Navigates to the specified page.								
Visible	If true, the shape will be visible.								
Width	Width of this shape in pixels.								

Height	Height of this shape in pixels.
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.

Cell Properties

The cells on the Table are simply [Text Shape](#) components embedded directly in a row. They can be multi-selected, with shift or alt, to change the properties of multiple cells at once. For more information, see the [Text Shape](#) page here in the Appendix.

Reserved Column Names

Besides the built-in keys for the Reporting Module's Table component, there are several reserved names that should not be used as keys for column headers. These keys are broken down into categories in the following table:

Key Type	Key
Heritage/Top Level	Running
Heritage/Top Level	Remaining
Heritage/Top Level	Up
Aggregate	total
Aggregate	average
Aggregate	count
Aggregate	countDeep
Aggregate	max
Aggregate	min

Examples

The Table component has a lot of functions and features. Examples of how you can use these functions and features are included in each of the sections below.

- [Table Rows](#)
- [Table Row Versions](#)
- [Charts Inside of Tables](#)
- [Grouping Data Inside of Tables](#)
- [Table Groups](#)