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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](#)

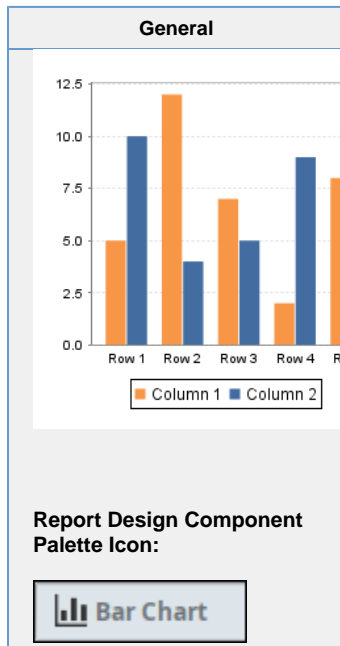
Report Design - Chart Palette

Chart Components

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

[In This Section ...](#)

Report - Bar Chart



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Bar Chart

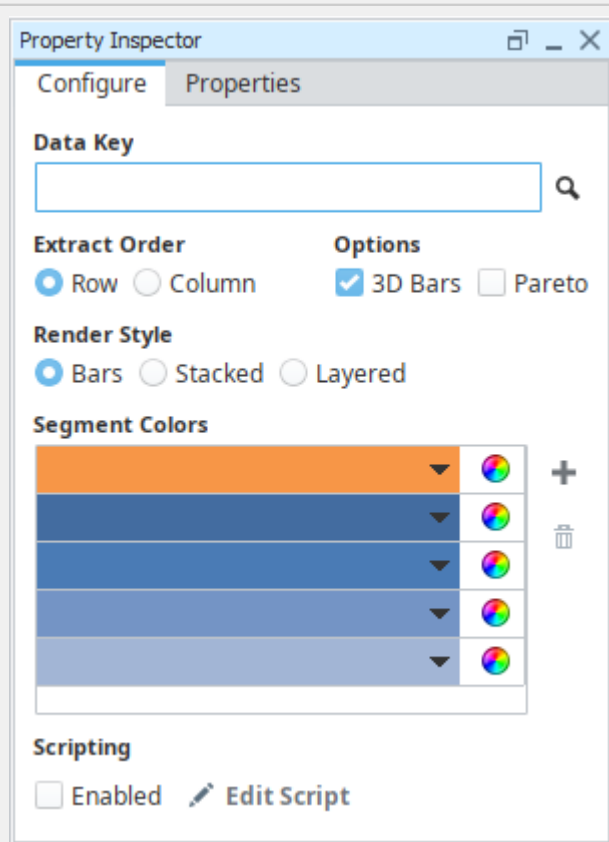
[Watch the Video](#)

Description

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.

Properties

Configure Tab



Property Inspector

Configure Properties

Data Key

Extract Order Options


Row Column 3D Bars Pareto




Render Style

Bars Stacked Layered

Segment Colors

Scripting

Enabled  Edit Script

Property /Symbol	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: 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	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: 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.

Properties Tab

Property	Description	Category
Data Key	Data key of the dataset that drives this pie chart.	Chart Options
Category Margin	Spacing between groups of bars on the chart.	Chart Options

Property Inspector

Configure Properties

Chart Options

Data Key

Category Margin 0.2

Extract Order Row

Item Margin 0.02

Render Style Bars

3D Bars

Show Legend

Legend Font Dialog, Plain, 12

Vertical Chart

Pareto Options

Pareto

80% Line

Pareto Color

Pareto Series Label Percent

Axis Options

Axis Autorange

Axis Font Dialog, Plain, 12

Axis Format

Axis Label

Axis Low 0

Axis High 100

Label Position Standard

Label Options

Bar Labels

Label Color

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

Visible

Width 442

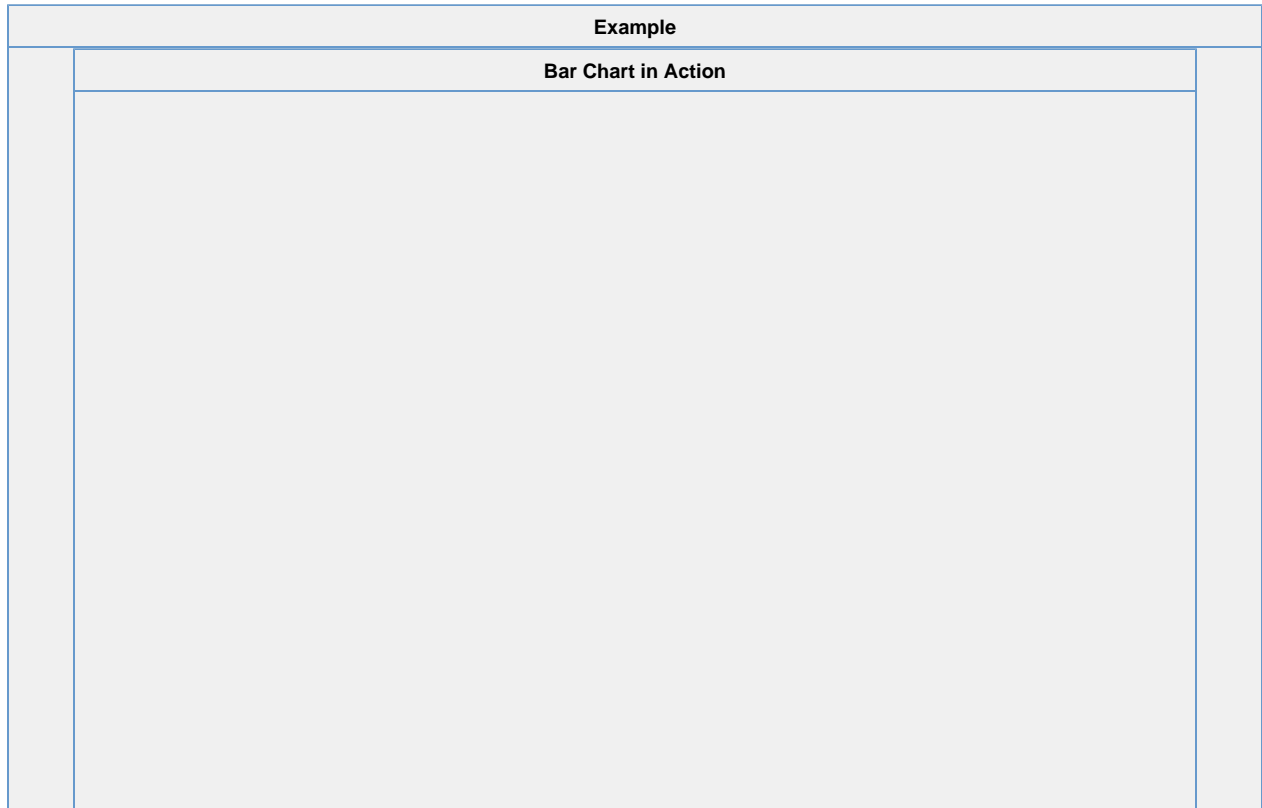
Height 344.432

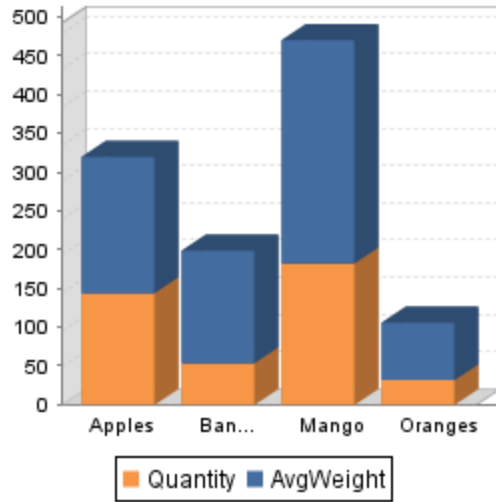
X 50

Y 87.568

Extract Order	Determines whether the series are defined by rows or columns in the underlying dataset.	Chart Options
Item Margin	Spacing between bars within a group.	Chart Options
Render Style	Style for this bar chart. Options are bars (0), stacked (1), or layered (2).	Chart Options
3D Bars	If true, use 3D bars to draw chart.	Chart Options
Show Legend	If true, show the chart's legend.	Chart Options
Legend Font	Font to use for the chart's legend.	Chart Options
Vertical Chart	If true, draw bars vertically.	Chart Options
Pareto	If enabled, the chart will act as a pareto chart; ordering the bars descending and adding a percentage line.	Pareto Options
80% Line	If true, draw a line showing where 80% of the total is.	Pareto Options
Pareto Color	Color for the Pareto line and 80% line.	Pareto Options
Pareto Series Label	Text to use in legend for the Pareto line.	Pareto Options
Axis Autorange	If true, set the axis range automatically, otherwise use the Axis Low and Axis High values.	Axis Options
Axis Font	Font to use for axis and axis label.	Axis Options
AxisFormat	A optional number format string to override the automatic formatting on the y-axis.	Axis Options
Axis Label	Text to place on the axis label. May be blank.	Axis Options
Axis Low	If autorange is turned of, the low value to use for the axis.	Axis Options
Axis High	If autorange is turned off, the high value to use for the axis.	Axis Options
Label Position	Orientation of category labels.	Axis Options
Bar Labels	If true, add labels to each bar.	Label Options
Label Color	Color to use for bar label text.	Label Options
Label Font	Font to use for bar labels.	Label Options
Label Offset	Space to add between the end of the bar and the label. Negative numbers will put the label onto the bar.	Label Options
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill

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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the top edge of this shape and the top edge of the page.	Basic Properties





Bar Chart Sample CSV Data

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


Property Inspector ☐ — ×











Configure **Properties**


Data Key
Fruit Data 🔍

Extract Order **Options**
 Row Column 3D Bars Pareto

Render Style
 Bars Stacked Layered

Segment Colors

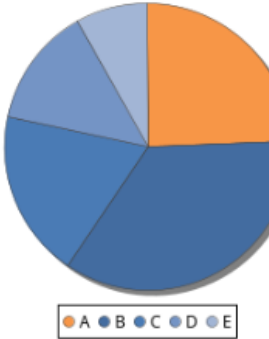
		+ 🗑️
		
		
		
		

Scripting
 Enabled  Edit Script


Property	Value
3D Bars	True
Render Style	Stacked

Report - Pie Chart

General



Report Design Component Palette Icon:

 **Pie Chart**



Pie Chart

[Watch the Video](#)

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

Properties																																			
<div style="border: 1px solid #ccc; padding: 5px;"> <p>Configure</p> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px;"> <p style="margin: 0;">Property Inspector □ - X</p> <p style="margin: 0;">Configure Properties</p> <p style="margin: 5px 0;">Data Key</p> <div style="border: 1px solid #ccc; padding: 2px; width: 100%;"> <input style="width: 95%; border: none;" type="text"/> 🔍 </div> <p style="margin: 5px 0;">Label Key Value Key</p> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid #ccc; padding: 2px; width: 45%;"> <input style="width: 95%; border: none;" type="text" value="Key"/> 🔍 </div> <div style="border: 1px solid #ccc; padding: 2px; width: 45%;"> <input style="width: 95%; border: none;" type="text" value="Value"/> 🔍 </div> </div> <p style="margin: 5px 0;">Segment Colors</p> <div style="border: 1px solid #ccc; padding: 2px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #f4a460; height: 20px; width: 80%;"></td> <td style="width: 20px; text-align: center;">▼</td> <td style="width: 20px; text-align: center;">🎨</td> <td style="width: 20px;"></td> </tr> <tr> <td style="background-color: #4a7ebb; height: 20px;"></td> <td style="text-align: center;">▼</td> <td style="text-align: center;">🎨</td> <td></td> </tr> <tr> <td style="background-color: #3a699d; height: 20px;"></td> <td style="text-align: center;">▼</td> <td style="text-align: center;">🎨</td> <td></td> </tr> <tr> <td style="background-color: #2a5796; height: 20px;"></td> <td style="text-align: center;">▼</td> <td style="text-align: center;">🎨</td> <td></td> </tr> <tr> <td style="background-color: #1a4587; height: 20px;"></td> <td style="text-align: center;">▼</td> <td style="text-align: center;">🎨</td> <td></td> </tr> </table> <div style="display: flex; justify-content: flex-end; align-items: center; margin-top: 5px;"> + 🗑️ </div> </div> </div> </div>		▼	🎨			▼	🎨			▼	🎨			▼	🎨			▼	🎨		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; padding: 5px;">Property</th> <th style="padding: 5px;">Description</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Data Key</td> <td style="padding: 5px;">Unique identifier or placeholder to the data source that will populate the chart.</td> </tr> <tr> <td style="padding: 5px;">Label Key</td> <td style="padding: 5px;">Key that will list the names of each segment in the legend on the chart.</td> </tr> <tr> <td style="padding: 5px;">Value Key</td> <td style="padding: 5px;">The key that will populate the chart with data.</td> </tr> <tr> <td style="padding: 5px;">Segment Colors</td> <td style="padding: 5px;">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.</td> </tr> <tr> <td style="padding: 5px;">Add Segment +</td> <td style="padding: 5px;">Adds a color wedge to the chart.</td> </tr> <tr> <td style="padding: 5px;">Remove Segment 🗑️</td> <td style="padding: 5px;">Deletes a color wedge from the chart.</td> </tr> </tbody> </table>	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.
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Remove Segment 🗑️	Deletes a color wedge from the chart.																																		
Property Inspector	Property	Description	Category																																

Property Inspector

Configure Properties

Pie Options

Data Key	
Label Key	Key
Label Style	None
Label Format	{0} = {1} ({2})
Label Font	Dialog, Plain, 12
Legend Font	Dialog, Plain, 12
Section Outline	
Show Legend	<input checked="" type="checkbox"/>
Sort Order	None
Style	Pie
Value Key	Value

Stroke and Fill

Opacity	1
Stroke Style	Hidden
Stroke	

Basic Properties

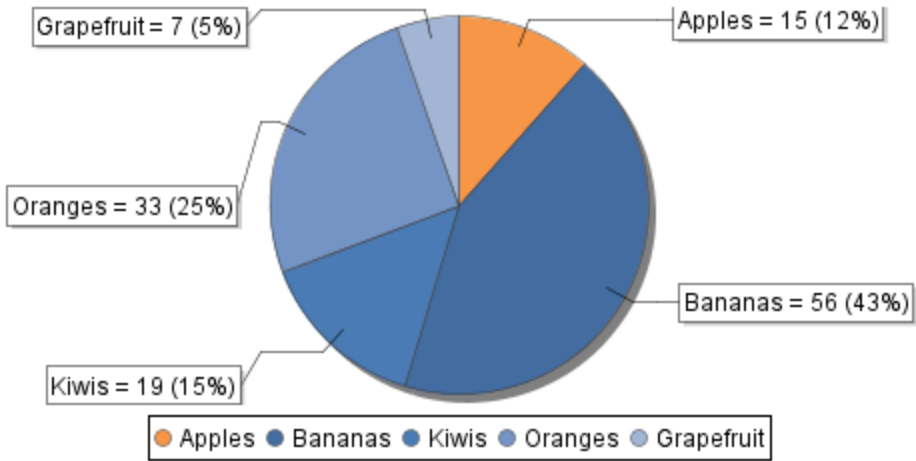
Roll	0
Scale X	1
Scale Y	1
Visible	<input checked="" type="checkbox"/>
Width	229
Height	209
X	124
Y	114

Data Key	Data key of the dataset that drives this pie chart.	Pie Options
Label Key	Column name inside the dataset represented by the Data Key which holds the pie wedge's label.	Pie Options
Label Style	Style for labels on the pie chart. Options are None (0), Simple (1), and Outset (2).	Pie Options
Label Format	Format of labels, if enabled. Use {0} = wedge name, {1} = value, {2} = percentage.	Pie Options
Label Font	Font used for this chart's labels.	Pie Options
Legend Font	Font used for this chart's legend.	Pie Options
Section Outline	Color to use for outline dividing sections. See Color Selector .	Pie Options
Show Legend	If true, show the chart's legend.	Pie Options
Sort Order	Order to sort chart categories. This will determine colors used and order of the legend.	Pie Options
Style	Style for this pie chart. Options are Pie, 3D Pie, and Ring.	Pie Options
Value Key	Column name inside the dataset represented by the Data Key which holds the pie wedge's value.	Pie Options
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties

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

Example

Pie Chart in Action



Pie Chart Sample CSV Data

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

Property Inspector

Configure Properties

Data Key: Fruit Data

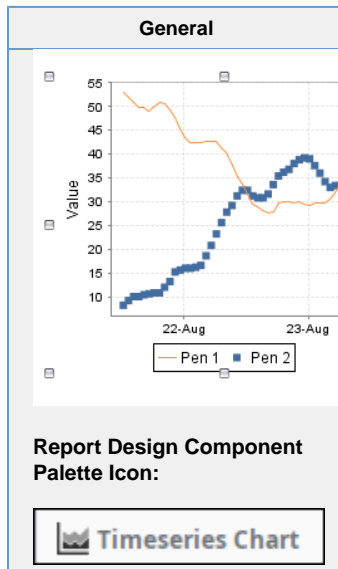
Label Key: Key Value Key: Quantity

Segment Colors

- Orange
- Dark Blue
- Medium Blue
- Light Blue
- Very Light Blue

Property	Value
Label Style	Outset
Value Key	Quantity

Report - Timeseries Chart





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Timeseries Chart

Watch the Video

Description
<p>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.</p>



Properties		
<p>Chart Options</p>	<p>Property /Symbol</p>	<p>Description</p>
	<p>Data Key</p>	<p>Unique identifier or placeholder to the data source that will populate the chart.</p>
	<p>Domain Key</p>	<p>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.</p>
	<p>Pens</p>	<p>Pens represent a series of data. There are several properties for each pen exposed on the Chart Options tab:</p> <p>Range Key: The key the pen should retrieve data from.</p> <p>Pen Name: The name of the pen that should appear on the chart.</p> <p>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.</p>

Property Inspector □ - X

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  Edit Script

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> <p>Name: The name of the axis.</p> <p>Label: Text next to the axis. Commonly used to describe what the values of each pen represent.</p> <p>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.</p> <p>Low: The low range value the axis will use when 'Auto?' is disabled.</p> <p>High: The high range value the axis will use when 'Auto?' is disabled.</p>
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.

Properties Tab

Property	Description	Category
Data Key	Data key of the dataset that drives this chart.	Chart Options
Axis Label Font	Font to use for axis labels.	Chart Options
Axis Tick Font	Font to use for axis tick marks.	Chart Options

Property Inspector

Chart Options Properties

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
- Visible:
- Width: 300
- Height: 200
- X: 140.909
- Y: 144.318

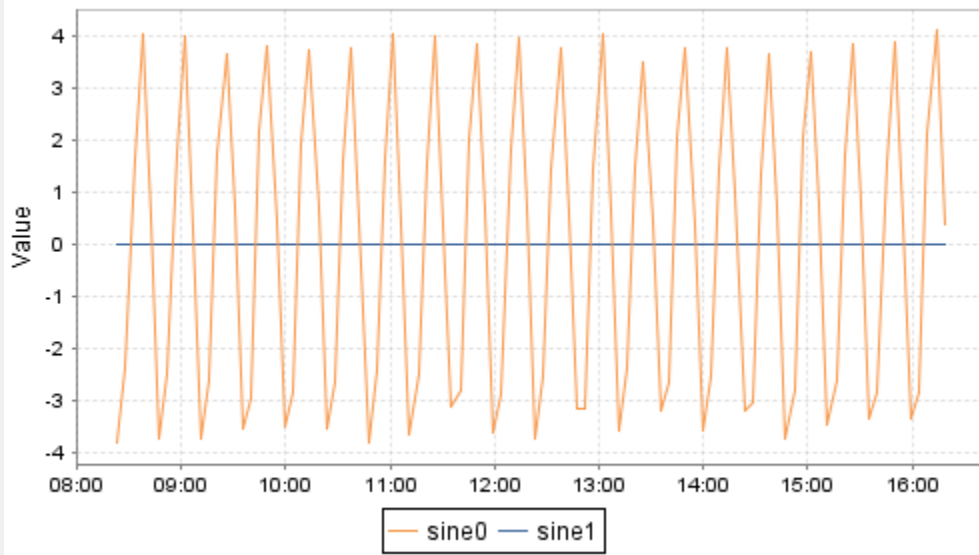
X-Axis

- Show X-Axis:
- X-Axis Label

Bar Width	The width of any bar datapoints, specified in milliseconds.	Chart Options
Date Format	Optional format string to override the domain axis date format.	Chart Options
Domain Key	Key name of the column inside the dataset that contains the domain (x) value.	Chart Options
Gap Threshold	Multiplier for the average space between data points to be considered a data gap for the "line with gaps" render style.	Chart Options
No Data Msg	Message to show when no data is available.	Chart Options
Plot Background	Color to use for chart background. See Color Selector.	Chart Options
Show Legend	If true, show a legend for the chart.	Chart Options
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties

Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties
Show X-Axis	If true, show the x-axis.	X-Axis
X-Axis Label	Label text for the x-axis.	X-Axis

Example





Property Inspector

Chart Options Properties

Data Key tag_history **Domain Key** t_stamp

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 [Edit Script](#)

Report Overview **Data** Design Preview Schedule

Parameters

StartDate
EndDate

Data Sources

1 Static CSV - Fruit Data
2 Query - tag_history

Available Historical Tags

- Internal Historian Test
 - MySQL
 - controller:default
 - _generic_
 - sine
 - sine0
 - sine1
 - sine2
 - sine3
 - station 1
 - station 2
 - speed
 - station 3
 - zztag

Use fully-qualified paths

Selected Historical Tags

Tag Path	Data Key Alias
[~]sine/sine0	sine0
[~]sine/sine1	sine1

Date Range Historical **Start Date Binding** {StartDate} **End Date Binding** {EndDate}

Aggregation Mode Min/Max **Return Format** Wide **Sample Size** Fixed

Data Key tag_history

Query Type Tag Historian Query

Preview Limit 100

Nested Queries tag_history

Advanced

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. IE: You don't want to display oven temperatures below 500 degrees, or values of 0 represent bad data.

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

General

Report Design Component Palette Icon:



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XY Chart

[Watch the Video](#)

Description

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.



Properties		
Chart Options	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> <p>Range Key: The key the pen should retrieve data from.</p> <p>Pen Name: The name of the pen that should appear on the chart.</p> <p>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.</p>

Property Inspector □ - X

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 ✎ Edit Script

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> <p>Name: The name of the axis.</p> <p>Label: Text next to the axis. Commonly used to describe what the values of each pen represent.</p> <p>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.</p> <p>Low: The low range value the axis will use when 'Auto?' is disabled.</p> <p>High: The high range value the axis will use when 'Auto?' is disabled.</p>
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.

Properties Tab	Property	Description	Category
	Data Key	Data key of the dataset that drives this chart.	Chart Options
	Axis Label Font	Font to use for axis labels.	Chart Options
	Axis Tick Font	Font to use for axis tick marks.	Chart Options

Property Inspector

Chart Options Properties

Chart Options

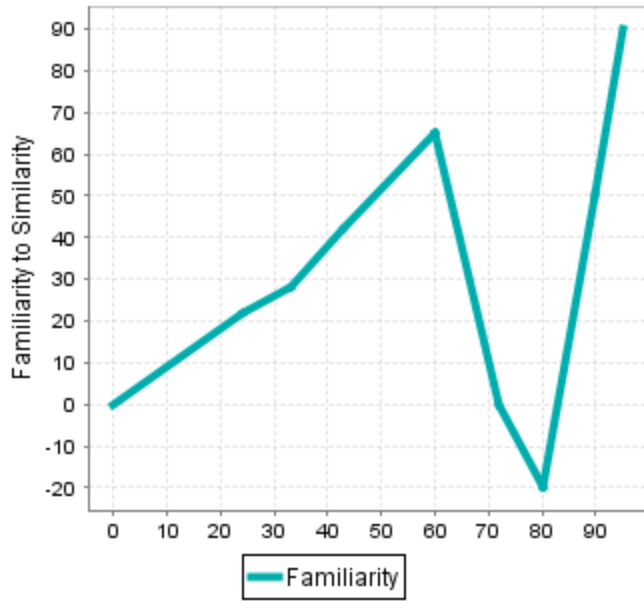
- Chart Options
 - Data Key
 - Axis Label Font: Dialog, Plain, 12
 - Axis Tick Font: Dialog, Plain, 10
 - Bar Width: 1
 - Domain Key: x
 - Gap Threshold: 3
 - No Data Msg: No Data
 - Plot Background: [Color Selector]
 - Show Legend:
- X-Axis
 - Auto Range:
 - Axis High: 100
 - Axis Low: 0
 - Margin: 0.05
 - Number Format
 - Show X-Axis:
 - X-Axis Label
- Stroke and Fill
 - Opacity: 1
 - Stroke Style: Hidden
 - Stroke
- Basic Properties
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - Visible:
 - Width: 300
 - Height: 200
 - X: 104.202
 - Y: 521.008

Bar Width	The width of any bar datapoints.	Chart Options
Domain Key	Key name of the column inside the dataset that contains the domain (x) value.	Chart Options
Gap Threshold	Multiplier for the average space between data points to be considered a data gap for the "line with gaps" render style.	Chart Options
No Data Msg	Message to show when no data is available.	Chart Options
Plot Background	Color to use for chart background. See Color Selector .	Chart Options
Show Legend	If true, show a legend for the chart.	Chart Options
Auto Range	If true, automatically determine range of X-axis.	X-Axis
Axis High	If autorange is turned off, the high value to use for the axis.	X-Axis
Axis Low	If autorange is turned off, the low value to use for the axis.	X-Axis
Margin	Margin for the x-axis edges.	X-Axis
Number Format	A optional number format string to override the automatic formatting on the x-axis.	X-Axis
Show X-Axis	If true, show the x-axis.	X-Axis
X-Axis Label	Label text for the x-axis.	X-Axis
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill

Stroke	Details for the chosen stroke. Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

Example

XY Chart in Action



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
```


Data Key

🔍

Domain Key

🔍

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

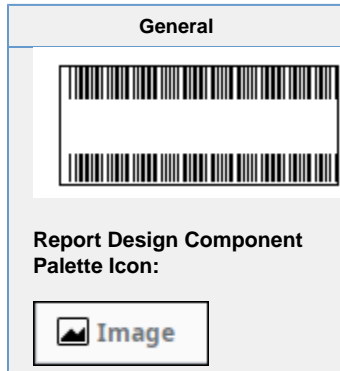
Report Design - Display Palette

Misc Components

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

[In This Section ...](#)

Report - Barcode




Description

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.


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.

Barcode Formats

Standard Barcode Formats

Standard Barcode Image	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
	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 Barcode Formats

2D Barcode Image	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

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.

Properties Tab

Property Inspector

Configure Barcode Properties

Barcode

Datakey	
Barcode Format	CODE_39
Font	Monospaced, Plain, 12
QR Code Error Correcti...	L
QR Code Version	Auto
Show Text	<input type="checkbox"/>

Stroke and Fill

Opacity	1
Stroke Style	Hidden
Stroke	

Basic Properties

Roll	0
Scale X	1
Scale Y	1
Visible	<input checked="" type="checkbox"/>
Width	140
Height	60
X	153.846
Y	521.846

Property	Description	Category
Datakey	Datakey for barcode.	Barcode
Barcode Format	Barcode format to use, see options above.	Barcode
Font	Font type, size, and style for barcode.	Barcode
Show Text	If true, show barcode value as text. Not available for all barcode types.	Barcode
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

Example

2D Data_Matrix Barcode



Property Inspector

Configure Barcode Properties

Datakey
ProductMap.InventoryLocation

Barcode Format
DATA_MATRIX

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

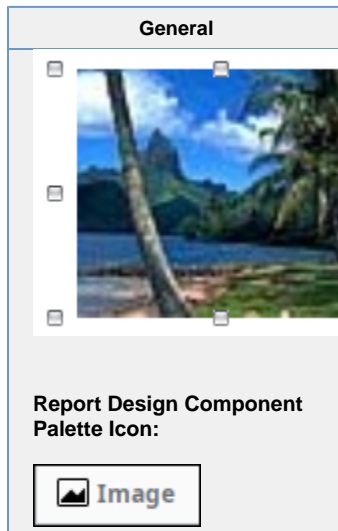
To add a barcode to a report, simply drag the Barcode component from the Report Design Palette on to your Design panel workspace. You will see a placeholder barcode with its driving data key displayed, and a description of the encoding for the type specified in the **Barcode Format** field of the Configure 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.

Embedded Barcode

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



Description

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.


Properties

Property Inspector	Property	Description	Category
	Fill	If true, the shape will fill its space with color.	Stroke and Fill
	Fill Selected	If fill is selected, the color that will fill the shape.	Stroke and Fill
	Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
	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 and Fill
	Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill

Property Inspector

Stroke and Fill

Fill

Fill Color 

Opacity 1

Stroke Style Hidden

Stroke

Image Shape

Grow To Fit

Key

Padding 0

Page Index 0

Preserve Aspect Ratio

Rectangle Shape

Radius 0

Basic Properties

Roll 0

Scale X 1

Scale Y 1

Visible

Width 148.312

Height 90.76

X 99.688

Y 163.24

Grow to Fit	If true, rescale the original image to fit the shape.	Image Shape
Key	Data Key for this image.	Image Shape
Padding	Padding between the image and the shape's bounds.	Image Shape
Page Index	For multi-page images, sets the page index to use.	Image Shape
Preserve Aspect Ratio	If true, preserve the aspect ratio when resizing the image.	Image Shape
Radius	The amount to radius the corners of this shape.	Rectangle Shape
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the top edge of this shape and the top edge of the page.	Basic Properties

Example

Image in a Report

Vegetable Report



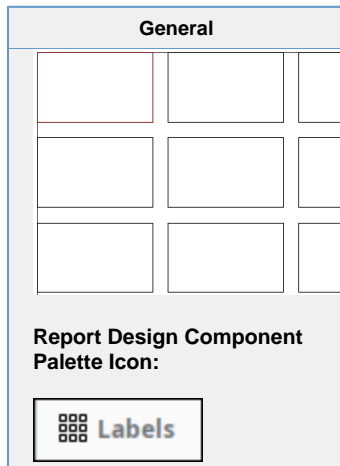
● Squash ● Zucchini ● Carrots ● Potatoes ● Beans ● Peppers

Vegetable	Qty
Squash	10
Zucchini	18
Carrots	25
Potatoes	8
Beans	33
Peppers	9

Property	Value
Key	Image Path

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

Report - Labels



Description

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 **Barcode**s. 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.

Labels Properties

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.

Configure Labels Tab	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.

Labels Properties Tab

Property	Description	Category
Dataset Key	Dataset key for labels.	Labels
Columns	Number of label columns.	Labels
Label Height	Height of each label in pixels.	Labels
Label Width	Width of each label in pixels.	Labels
Rows	Number of label rows.	Labels
Spacing Height	Spacing between label rows.	Labels
Spacing Width	Spacing between label columns.	Labels
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If fill is selected, the color that will fill its shape.	Stroke and Fill
Opacity	How opaque the fill color is between, 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of the shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of the shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of the shape in pixels.	Basic Properties
Height	Height of the shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

Text Properties

Text Properties

Property Inspector

Edit Text Properties

Text Properties

Text

Text Color

Character Spacing 0

Coalesce Newlines

Font Dialog.plain 12.0 (Dia...

Horizontal Alignm... Left

Line Spacing 1

Margin 1; 2; 0; 2

Overflow Behavior Grow row

Underlined

Vertical Alignment Top

Data Key Format Properties

Date Format MMM d, y

Null Format <N/A>

Number Format #0.##

Negative In Red

Stroke and Fill

Fill

Fill Color

Opacity 1

Stroke Style Hidden

Stroke

Rectangle Shape

Radius 0

Basic Properties

Roll 0

Scale X 1

Scale Y 1

Visible

Width 108

Height 43

X 20.656

Y 22.214

Property	Description	Category
Text	Text to display in the shape.	Text Properties
Text Color	Color of the text.	Text Properties
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.	Text Properties
Coalesce Newlines	If true, consecutive line breaks will be merged into one.	Text Properties
Font	Font to use for the text.	Text Properties
Horizontal Alignment	Horizontal Alignment for text: Left; Right: Center; Full.	Text Properties
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.	Text Properties
Margin	Margin between texts and bounds of shape in pixels. Format is Top: Left: Bottom; Right.	Text Properties
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, 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. 	Text Properties
Underlined	If true, use underlined text.	Text Properties
Vertical Alignment	Vertical alignment for text: Top; Middle; Bottom.	Text Properties
Date Format	Formats to use for dates in this shape. View available format strings in the dropdown.	Data Key and Format Properties
Null Format	Formats to use for null values in this shape.	Data Key and Format Properties
Number Format	Formats to use for numbers in this shape. View available format strings in the dropdown.	Data Key and Format Properties

Negative in Red	If true, show negative numbers in red.	Data Key and Format Properties
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Radius	Amount to radius the corners of this shape.	Rectangle
Roll	Amount to radius the corners of this shape.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

Example

Name Tags with Logo



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

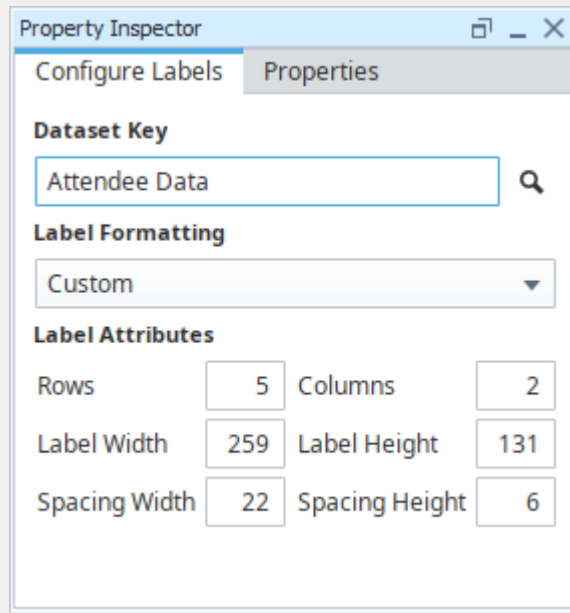


Valerie Rain
Landscape Designer
Elegant Landscapes

Label Dataset

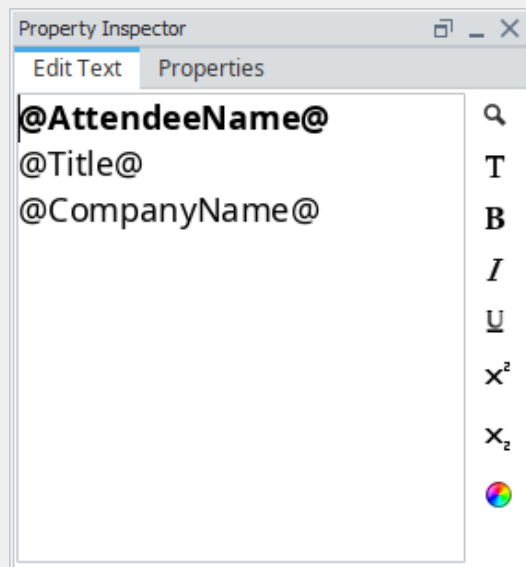
AttendeeName, Title, CompanyName
 Jennifer Stewart, Marketing Manager, ABC Company
 John Doe, Communications Director, Paint Company
 Sally Johnson, Chief Operating Officer, Pure Water
 Howard Hunter, Engineer, Sticker Shock
 Alice Honey, Control Specialist, Signs and More
 Rocky Rooney, Event Planner, 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

Configure Labels Tab



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

Label Template




Property	Value
Image	Image Management > Builtin /icons/24 /user3.png
Text	Attendee Name - Bold and Italic
Font	18

Report Design - Object Palette

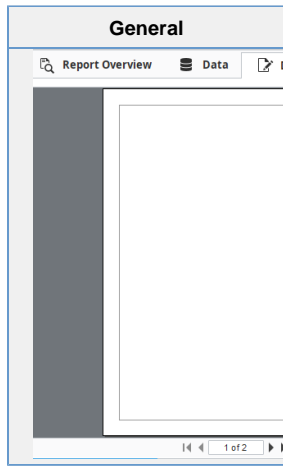
Object Components

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

[In This Section ...](#)

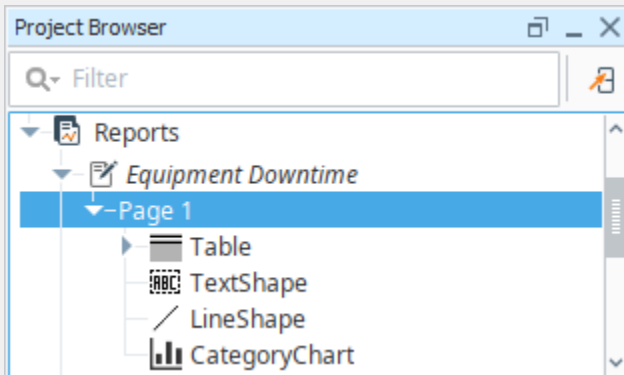
Report - Page Object

The Page Object

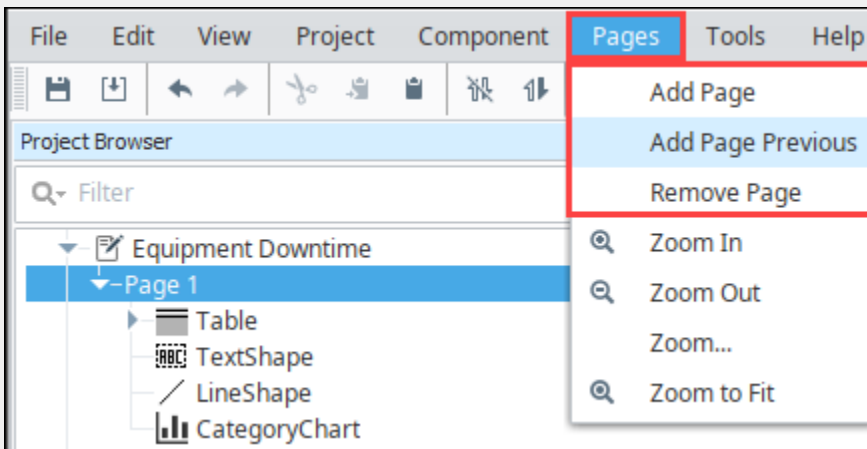


Description

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



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

Page Properties

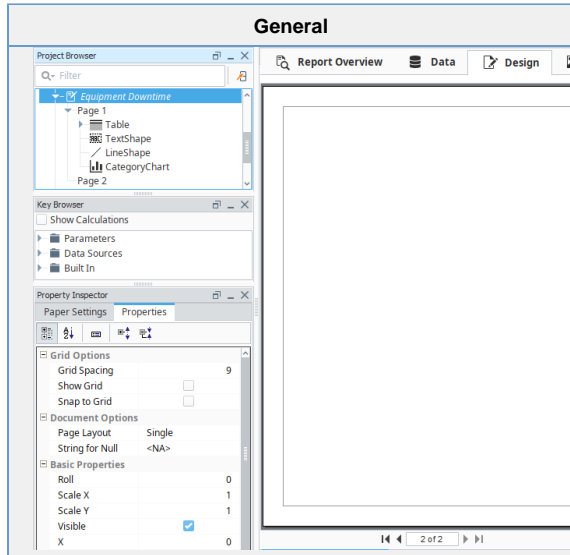
The screenshot shows the Property Inspector window with the following settings:

- Stroke and Fill:**
 - Fill:
 - Fill Color: [Black color swatch]
 - Opacity: 1
 - Stroke Style: Hidden
 - Stroke: [Empty field]
- Basic Properties:**
 - Height: 792
 - Width: 612

Property	Description	Category
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Height	Height of this shape in pixels	Basic Properties
Width	Width of this shape in pixels.	Basic Properties

Report - Report Object

The Report Object



Description

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

Properties

Paper Settings		
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	Allows you to specify the position of the margin on the report.	
Properties Tab		
Property	Description	Category
	If the Show property is enabled, the margin is visible on the report's Design Panel. The	

Property Inspector

Paper Settings Properties

Grid Options

Grid Spacing	9
Show Grid	<input type="checkbox"/>
Snap to Grid	<input type="checkbox"/>

Document Options

Page Layout	Single
String for Null	<NA>

Basic Properties

Roll	0
Scale X	1
Scale Y	1
Visible	<input checked="" type="checkbox"/>
X	0
Y	0

Orientation

Portrait
 Landscape

Margins

Left	36	Top	36
Right	36	Bottom	36

Show Snap

Grid Spacing	margin will never appear on the Preview Panel or on the generated reports. The space between each grid in Printer Points. Defaults to 9, which is 1/8th of an inch.	Grid Options
Show Grid	The Snap property, when enabled, will cause report components to snap to the margin if moved within close proximity. 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.	Grid Options
Snap to Grid	When dragging a component, enabling this property will cause the component to snap to the grid.	Grid Options
Page Layout	Specifies how the page looks in the designer. Has the following options: <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. 	Document Options
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.	Document Options
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties

	Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
	Visible	If true, the shape will be visible.	Basic Properties
	Width	Width of this shape in pixels.	Basic Properties
	Height	Height of this shape in pixels.	Basic Properties
	X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
	Y	Vertical distance in pixels between the top edge of this shape and the top edge of the page.	Basic Properties

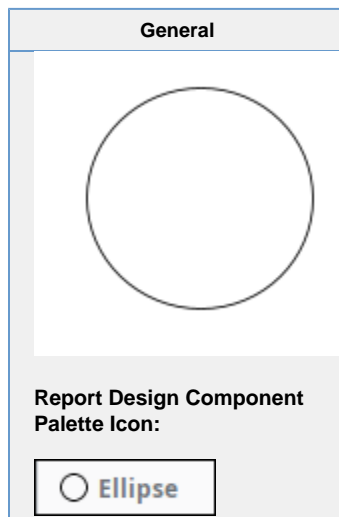
Report Design - Shape Palette

Shape Components

The following components allow users to create shapes.

[In This Section ...](#)

Report - Ellipse Shape



Description

The **Ellipse** shape component creates circles and ellipses that can be used in a report. Select the Rectangle 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.

Properties

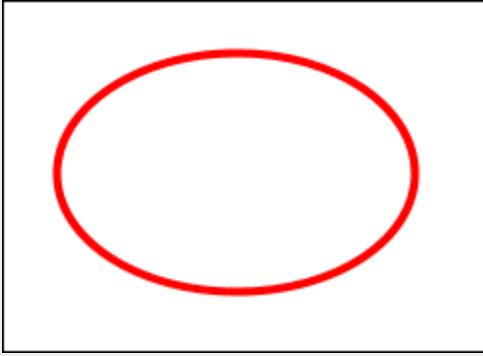
Property Inspector

The screenshot shows the Property Inspector window with the following sections:

- Stroke and Fill:**
 - Fill:
 - Fill Color: [Color Picker]
 - Opacity: 1
 - Stroke Style: Shape Outline
- Stroke:**
 - Color: [Color Picker]
 - Dash Pattern: [Dropdown]
 - Width: 1
- Basic Properties:**
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - Visible:
 - Width: 133
 - Height: 129
 - X: 89
 - Y: 90
- Oval Shape:**
 - Start Angle: 0
 - Sweep Angle: 360

Property	Description	Category
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
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. 	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties
Start Angle	Where to start the sweep angle, in degrees. 0 is at 3 o'clock.	Oval Shape
Sweep Angle	How many degrees the oval is swept. 0 shows just a line, 360 shows the full oval.	Oval Shape

Example



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

Report - Line Shape



Description

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, and pattern.

Properties

Property Inspector

The screenshot shows the Property Inspector window with the following settings:

- Stroke and Fill:**
 - Fill:
 - Fill Color: [Color Picker]
 - Opacity: 1
 - Stroke Style: Shape Outline
- Stroke:**
 - Color: [Color Picker]
 - Dash Pattern: [Dropdown]
 - Width: 1
- Basic Properties:**
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - Visible:
 - X: 100
 - Y: 300
- Line Properties:**
 - Stroke Color: [Color Picker]
 - Stroke Width: 1

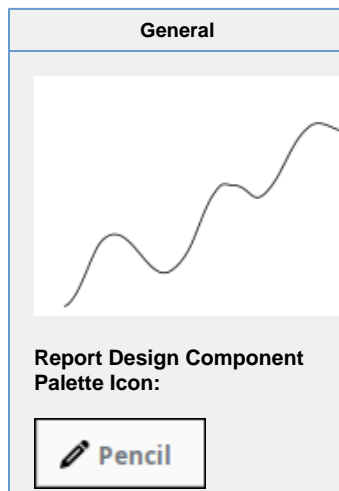
Property	Description	Category
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If true is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties . <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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties
Stroke Color	Color of the line.	Line Properties
Stroke Width	Width of the stroke in pixels.	Line Properties

Example - Two Lines



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

Report - Pencil Shape



Description

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 and color.

Properties

Property Inspector

The screenshot shows the Property Inspector window with the following settings:

- Stroke and Fill**
 - Fill:
 - Fill Color: [Color Picker]
 - Opacity: 1
 - Stroke Style: Shape Outline
- Stroke**
 - Color: [Color Picker]
 - Dash Pattern: [Dropdown]
 - Width: 1
- Basic Properties**
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - Visible:
 - Width: 255
 - Height: 192.976
 - X: 95
 - Y: 451.024

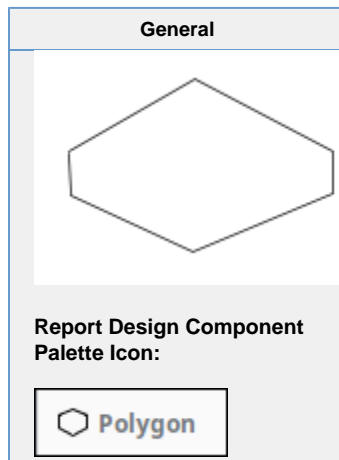
Property	Description	Category
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
Stroke Style	What style of stroke or border to use: Hidden; Shape Outline; Border; Double. To learn more about stroke styles, refer to Stroke and Fill Properties .	Stroke and Fill
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. 	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

Example



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

Report - Polygon Shape



Description

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.

Properties

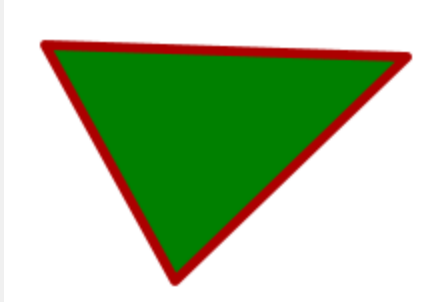
Property Inspector

The screenshot shows the Property Inspector window with the following settings:

- Stroke and Fill**
 - Fill:
 - Fill Color: [Color Picker]
 - Opacity: 1
 - Stroke Style: Shape Outline
- Stroke**
 - Color: [Color Picker]
 - Dash Pattern: [Dropdown]
 - Width: 1
- Basic Properties**
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - Visible:
 - Width: 128
 - Height: 124
 - X: 206
 - Y: 569

Property	Description	Category
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
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. 	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

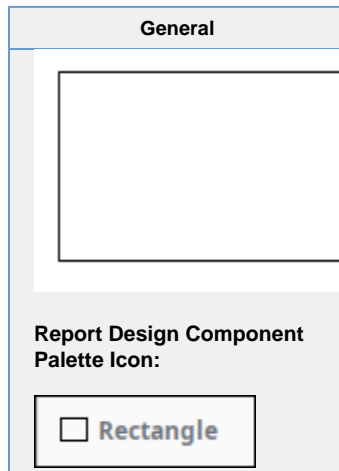
Example



Draw a triangle by clicking in 3 places on your screen, 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



Description
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.

Properties

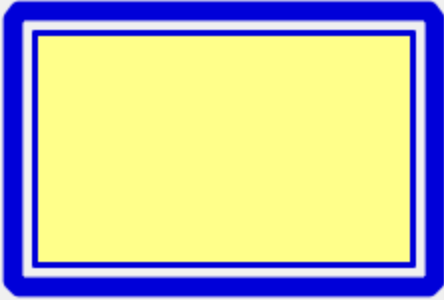
Property Inspector

The screenshot shows the Property Inspector window with the following settings:

- Stroke and Fill:**
 - Fill:
 - Fill Color: [Color Picker]
 - Opacity: 1
 - Stroke Style: Shape Outline
- Stroke:**
 - Color: [Color Picker]
 - Dash Pattern: [Dropdown]
 - Width: 1
- Rectangle Shape:**
 - Radius: 0
- Basic Properties:**
 - Roll: 0
 - Scale X: 1
 - Scale Y: 1
 - Visible:
 - Width: 179
 - Height: 103
 - X: 310
 - Y: 543

Property	Description	Category
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
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. 	Stroke and Fill
Radius	Amount to radius the corners of this shape.	Rectangle Shape
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties


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

General



**Report Design Component
Palette Icon:**



Description

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.

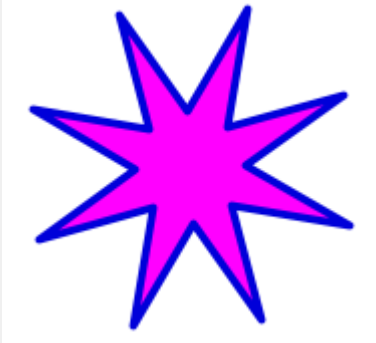
Properties

Property Inspector

Property Inspector	
<div style="border: 1px solid gray; padding: 2px;"> Property Inspector [Close] </div>	
<div style="border: 1px solid gray; padding: 2px;"> [Icons] </div>	
Star Shape	
Bloat	0.382
Points	5
Star Type	Star
Stroke and Fill	
Fill	<input type="checkbox"/>
Fill Color	[Color Picker]
Opacity	1
Stroke Style	Shape Outline
Stroke	
Color	[Color Picker]
Dash Pattern	
Width	1
Basic Properties	
Roll	52.496
Scale X	1
Scale Y	1
Visible	<input checked="" type="checkbox"/>
Width	216.813
Height	216.813
X	77.593
Y	511.593

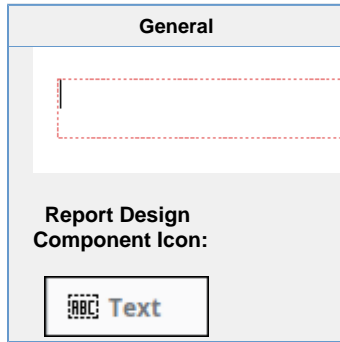
Property	Description	Category
Bloat	How wide each arm of the star is. 0 will give lines for each arm, 1 makes the star a polygon with twice as many sides as the points property.	Star Shape
Points	Number of points in the star shape.	Star Shape
Star Type	Switches the star shape from a Star to a Polygon.	Star Shape
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
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. 	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape to the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape to the top edge of the page.	Basic Properties

Example



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

Report - Text Shape



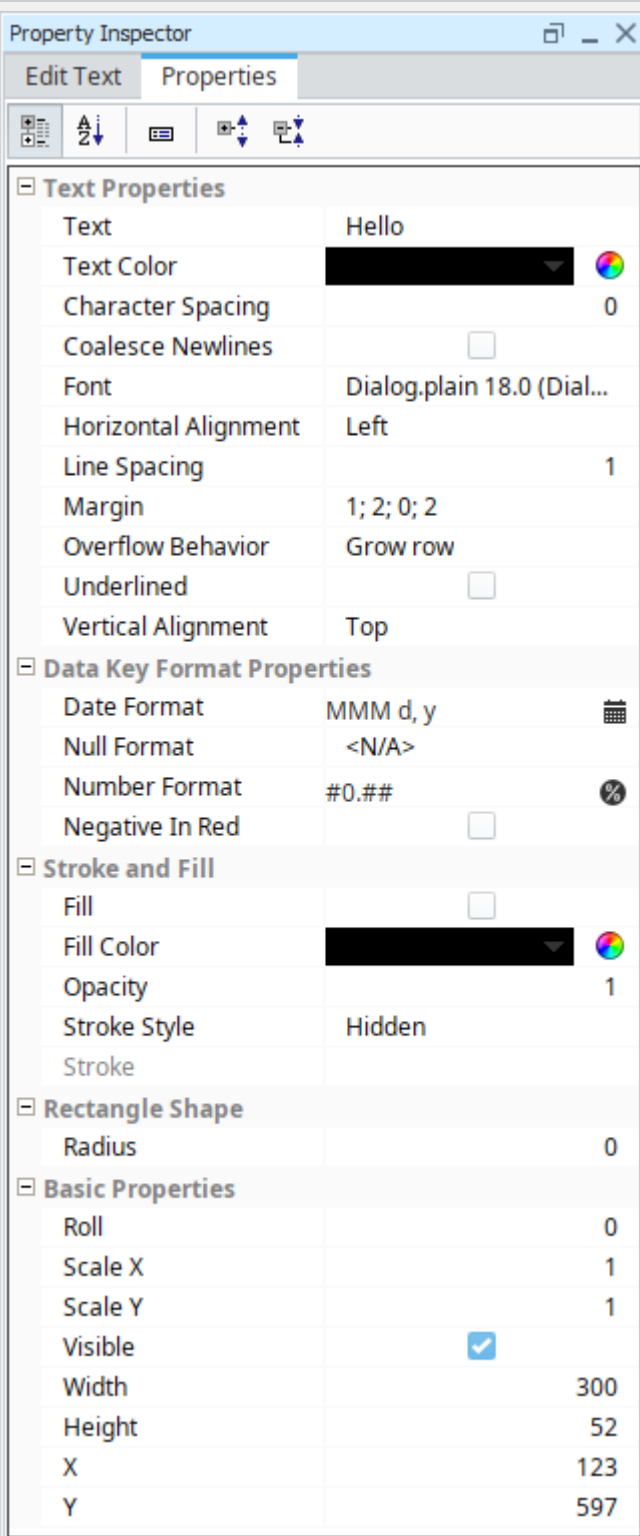
Description

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.

Properties

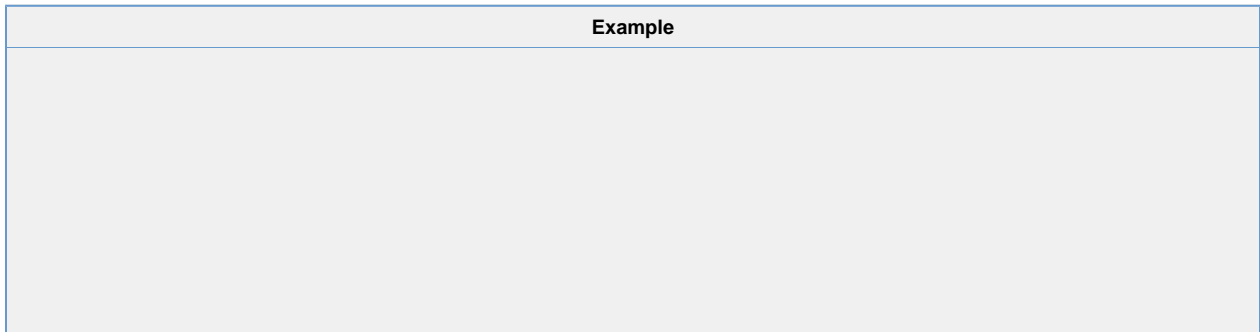
Edit Text Tab		Property	Description								
			Insert data key								
			Select font and size								
			Bold								
			Italic								
			Underline								
			Superscript								
			Subscript								
			Choose font color								
		<p>Properties Tab</p> <table border="1"> <thead> <tr> <th>Property</th> <th>Description</th> <th>Category</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		Property	Description	Category					
		Property	Description	Category							



Text	Text to display in the shape.	Text Properties
Text Color	Color of the text.	Text Properties
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.	Text Properties
Coalesce Newlines	If true, consecutive line breaks will be merged into one.	Text Properties
Font	Font to use for the text.	Text Properties
Horizontal Alignment	Horizontal alignment for text.	Text Properties
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.	Text Properties
Margin	Margin between text and bounds of shape in pixels. Format is top; left; bottom; right.	Text Properties
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. 	Text Properties
Underlined	If true, use underlined text.	Text Properties
Vertical Alignment	Vertical alignment for text.	Text Properties
Date Format	Format to use for dates in this shape.	Data Key Format Properties
Null Format	Format to use for null values in this shape.	Data Key Format Properties
Number Format	Format to use for numbers in this shape.	Data Key Format Properties

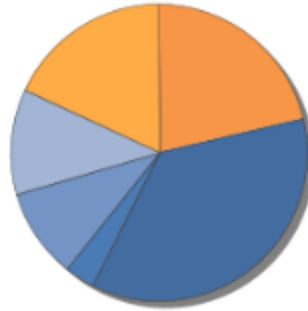
Negative in Red	If true, show negative numbers in red.	Data Key Format Properties
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the Fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Radius	Amount to radius the corners of this shape if using a Stroke.	Rectangle Shape
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

Example



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

Text Shape - Used Car Inventory

The screenshot shows the 'Property Inspector' window with the 'Properties' tab selected. The text 'Used Car Inventory' is highlighted in the 'Text' field. The 'Text Color' is set to a dark blue color. Other properties include: Character Spacing: 0, Coalesce Newlines: unchecked, Font: Arial Bold 24.0 (Arial), Horizontal Alignment: Left, Line Spacing: 1, Margin: 1; 2; 0; 2, Overflow Behavior: Shrink text to fit, Underlined: unchecked, and Vertical Alignment: Top.



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

Text Shape - April 2020

The screenshot shows the 'Property Inspector' window with the 'Properties' tab selected. The text 'April 2020' is highlighted in the 'Text' field. The 'Text Color' is set to a dark blue color. Other properties include: Character Spacing: 0, Coalesce Newlines: unchecked, Font: Arial Bold 18.0 (Arial), Horizontal Alignment: Center, Line Spacing: 1, Margin: 1; 2; 0; 2, Overflow Behavior: Grow row, Underlined: unchecked, and Vertical Alignment: Top.



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

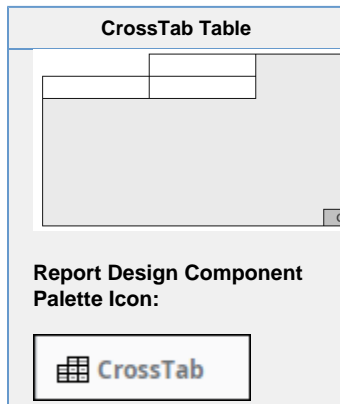
Report Design - Table Palette


Table Components

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

[In This Section ...](#)

Report - Crosstab Table





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CrossTab Table

[Watch the Video](#)

Description

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.


Table Properties			
Table Properties	Property	Description	Category
	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.	Table
	Columns	Number of columns.	Table
	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.	Table
	Header Columns	Number of Header Columns.	Table
	Header Rows	Number of Header Rows.	Table
	Reprint Header Rows	Enable header row printing when pagination occurs.	Table
	Rows	Number of Rows.	Table

Property Inspector

Table

Data Key	
Columns	1
Filter Key	
Header Columns	1
Header Rows	1
Reprint Header Rows	<input checked="" type="checkbox"/>
Rows	1
Style	Default

Stroke and Fill

Fill	<input type="checkbox"/>
Fill Color	
Opacity	1
Stroke Style	Hidden
Stroke	

Basic Properties

Roll	0
Scale X	1
Scale Y	1
Visible	<input checked="" type="checkbox"/>
Width	450
Height	375
X	56.288
Y	66.718

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>	Table
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape to the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape to the top edge of the page.	Basic Properties

Cell Properties

Cell Properties

Property Inspector
□ - ×

A | 2 | □ | ↕ | ↕

Text Properties

Text

Text Color ██████████ ●

Character Spacing 0

Coalesce Newlines

Font Dialog.plain 12.0 (Dial...

Horizontal Alignment Center

Line Spacing 1

Margin 5; 5; 5; 5

Overflow Behavior Grow row

Underlined

Vertical Alignment Middle

Data Key Format Properties

Date Format MMM d, y 📅

Null Format <N/A>

Number Format #0.## %

Negative In Red

Stroke and Fill

Fill

Fill Color ██████████ ●

Opacity 1

Stroke Style Hidden

Stroke

Grouping

Grouping Key

Rectangle Shape

Radius 0

Basic Properties

Roll 0

Scale X 1

Scale Y 1

Visible

Width 120

Height 25

X 0

Y 25

Property	Description	Category
Text	Text to display in the shape.	Text Properties
Text Color	Color of the text.	Text Properties
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.	Text Properties
Coalesce Newlines	If true, consecutive line breaks will be merged into one.	Text Properties
Font	Font to use for the text.	Text Properties
Horizontal Alignment	Horizontal Alignment for text: Left; Right; Center; Full.	Text Properties
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.	Text Properties
Margin	Margin between texts and bounds of shape in pixels. Format is top: left: bottom; right.	Text Properties
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, 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. 	Text Properties
Underlined	If true, use underlined text.	Text Properties
Vertical Alignment	Vertical alignment for text: Top; Middle; Bottom.	Text Properties
Date Format	Formats to use for dates in this shape.	Data Key and Format Properties
Null Format	Formats to use for null values in this shape.	Data Key and Format Properties

Number Format	Formats to use for numbers in this shape.	Data Key and Format Properties
Negative in Red	If true, show negative numbers in red.	Data Key and Format Properties
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Grouping	Grouping Key will add a row or column for each Grouping the key generates.	Grouping
Radius	Amount to radius the corners of this shape.	Rectangle Shape
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

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.

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

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

Downtime Dataset - used for this CrossTab Table example

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 were used to populate the CrossTab Table with data. The property values used to configure the CrossTab Table are shown in the property list.


CrossTab Table in Design Panel	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

General

Report Design
Component Palette Icon:

 **Simple Table**



INDUCTIVE UNIVERSITY

Simple Table

[Watch the Video](#)

Description

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.

Simple Table Properties


Table Properties	Property	Description	Category
	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.	Table
	Columns	Number of columns.	Table
	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.	Table
	Header Columns	Number of Header Columns.	Table
	Header Rows	Number of Header Rows.	Table
	Rows	Number of Rows.	Table

Property Inspector

Table

Data Key	
Columns	3
Filter Key	
Header Columns	0
Header Rows	1
Rows	3
Style	none

Stroke and Fill

Fill	<input type="checkbox"/>
Fill Color	
Opacity	1
Stroke Style	Hidden
Stroke	

Basic Properties

Roll	0
Scale X	1
Scale Y	1
Visible	<input checked="" type="checkbox"/>
Width	360
Height	100
X	154.366
Y	334.648

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>	Table
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape to the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape to the top edge of the page.	Basic Properties

Cell Properties and Functions

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	Grow row
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	

Grouping

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

Rectangle Shape

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

Basic Properties

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

Property	Description	Category
Text	Text to display in the shape.	Text Properties
Text Color	Color of the text.	Text Properties
Character Spacing	Amount of extra spacing to add between characters. Negative spacing makes characters closer together.	Text Properties
Coalesce Newlines	If true, consecutive line breaks will be merged into one.	Text Properties
Font	Font to use for the text.	Text Properties
Horizontal Alignment	Horizontal Alignment for text: Left; Right; Center; Full.	Text Properties
Line Spacing	Spacing between lines of text. 1 is single spacing, 2 is double spacing, etc.	Text Properties
Margin	Margin between texts and bounds of shape in pixels. Format is top: left: bottom; right.	Text Properties
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. 	Text Properties
Underlined	If true, use underlined text.	Text Properties
Vertical Alignment	Vertical alignment for text: Top; Middle; Bottom.	Text Properties
Date Format	Formats to use for dates in this shape.	Data Key and Format Properties
Null Format	Formats to use for null values in this shape.	Data Key and Format Properties
Number Format	Formats to use for numbers in this shape.	Data Key and Format Properties

Negative in Red	If true, show negative numbers in red.	Data Key and Format Properties
Fill	If true, the shape will fill its space with color.	Stroke and Fill
Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
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 and Fill
Stroke	Details for the chosen stroke . Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
Grouping	Grouping Key will add a row or column for each Grouping the key generates.	Grouping
Radius	Amount to radius the corners of this shape.	Rectangle Shape
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties
Visible	If true, the shape will be visible.	Basic Properties
Width	Width of this shape in pixels.	Basic Properties
Height	Height of this shape in pixels.	Basic Properties
X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

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.

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

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.

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

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.

Simple Table in the Design Panel

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

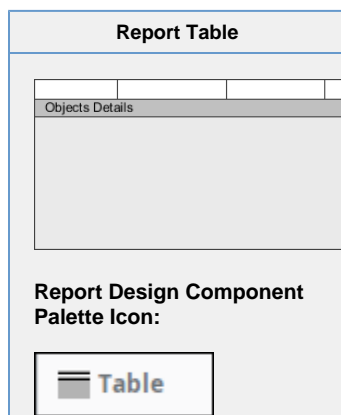
Property	Value
Style	Default
Columns	1
Header Columns	1
Rows	3
Column Header	Equipment
Header in Row 1	Downtime Count
Header in Row 2	Total DT Duration (Min)
Header in Row 3	AVG DT Duration (Min)
Header Rows Color	0000D9, Bold
Header Column Color	0000D9, Bold

Equipment Downtime Dataset - used for this Simple Table example.

```

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
    
```

Report - Table



Description

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.

Configure Table Properties

In the Property Inspector, use the Configure Table and Properties tabs to configure your table. Here is a list of all the Table properties and their descriptions.

Configure Table Tab

Property Inspector

Configure Table Properties

Data Key

Objects

Grouping

Objects

Rows

Header Details Summary

Sorting

Default Basic TopN

Options

Page Break

Make TableGroup

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> <p>Header Row: A single row inserted at the start of the Detail Rows. Commonly used to display column headers.</p> <p>Details Row: Represents the majority of the data on a table.</p> <p>Summary Row: A single row inserted after all the Detail Rows. Commonly used to display totals or summary values.</p>
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> <p>Default: Data sorted based on the order in which it is retrieved. When selected, the table will not sort the rows.</p> <p>Basic: Allows a list of keys to be configured. The data is sorted in the order the keys are selected.</p> <p>TopN: Uses a single key path, with a Count value that allows a limit to the number of rows that are processed.</p>
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.

Table Properties		Name	Description
		Data Key	Data Key associated with the table. Should be the same as a query and should match the Data Key of the table.
		Table Repeat Count	<p>The following feature is new in Ignition version 7.1.0. Click here to check out the other new features.</p> <p>Renamed the "Column Count" property to "Table Repeat Count". The table will repeat horizontally on a page before pagination. For example, a Table Repeat Count of 3 means the table will repeat 3 times across the page.</p>
		Column Spacing	The space between table columns.
		Filter Key	A key or expression used to prune the underlying data. Only rows for which this key expression evaluates to true will be displayed.
		Starting Page Break	If true, the table will always start on a new page in a paginated report.
		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, Solid, Dashed, Dotted, Long Dash, Short Dash. Refer to Stroke and Fill Properties .
		Stroke	Details for the chosen stroke . Each Stroke has its own properties.
		Roll	Number of degrees this shape is rotated clockwise.
		Scale X	Amount to scale the width of this shape. 1 is no scale.
		Scale Y	Amount to scale the height of this shape. 1 is no scale.
		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 and the origin.
		Y	Vertical distance in pixels between the upper edge and the origin.

Table Group 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		

Configure TableGroup		Name	Icon	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 that the terms "child" and "peer" are relative to the adjacent tables. More details can be found on the Table Groups page.</p>
		Delete Table	🗑️	Removes the selected table from the group.
		Move Up	⬆️	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.
		Move Down	⬇️	Moves the selected table down in the hierarchy.
		Move Left	⬅️	Moves the selected table left in the hierarchy, potentially changing the peer/child relationship with any tables listed above the selected table.
		Move Right	➡️	Moves the selected table right in the hierarchy, potentially changing the peer/child relationship with any tables listed above the selected table.
		Destroy Table Group	✖️	Removes the table group. Note that this will delete any configurations on all tables below the top-most table.
		Start on new page	N/A	Adds an explicit page break between the selected table and the prior peer table.
		New page per row	N/A	Adds an explicit page break for each row of the selected table.
		Key	N/A	The Key of the selected table.

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			
@Facility@	@Capacity@	@Minutes@	@Produced@
Factory Production Details			
			Total Units Produced: @total.Produced@
Factory Production Summary			


Row Properties	Name	Description	Category
	Structured Columns	If true, this row will be organized into columns, otherwise, the row will allow free form design.	Table Row
	Column Count	If this row is structured, this is the number of columns in the row.	Table Row
	Move to Bottom	If true, this row will be moved to the bottom of the table.	Table Row
	Print Empty Group	If true, row will print even if it has no children. Only applicable for header or summary rows.	Table Row
	Sync Alternate Versions	If checked, the column widths of this row will be synchronized with alternate row versions.	Table Row
	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.	Table Row
	Version Key	Data Key to drive which version of the table row to display.	Table Row
	Fill	If true, the shape will fill its space with color.	Stroke and Fill
	Fill Color	If Fill is selected, the color that will fill the shape.	Stroke and Fill
	Opacity	How opaque the fill color is, between 0 and 1.	Stroke and Fill
	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 and Fill

Property Inspector

Table Row

- Structured Columns
- Column Count 4
- Move to Bottom
- Print Empty Group
- Sync Alternate Versions
- Sync Row Above
- Version Key

Stroke and Fill

- Fill
- Fill Color 
- Opacity 1
- Stroke Style Hidden
- Stroke

Pagination

- Min. Remainder Height 72
- Min. Split Height 72
- Page Break
- Reprint When Wrapped
- Stay with children 1

Basic Properties

- Roll 0
- Scale X 1
- Scale Y 1
- Visible
- Width 540
- Height 18
- X 0
- Y 34

Stroke	Details for the chosen stroke. Each Stroke has its own properties depending on the Stroke Style chosen.	Stroke and Fill
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 gray; padding: 5px; margin-top: 10px;"> <p>i 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>	Pagination
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>	Pagination
Page Break	Data Key or expressions used to determine whether row should force a page break.	Pagination
Reprint When Wrapped	If true, this row will be reprinted on a new page when its children cross a page boundary.	Pagination
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.	Pagination
Roll	Number of degrees this shape is rotated clockwise.	Basic Properties
Scale X	Amount to scale the width of this shape. 1 is scale to 100%.	Basic Properties
Scale Y	Amount to scale the height of this shape. 1 is scale to 100%.	Basic Properties

	Visible	If true, the shape will be visible.	Basic Properties
	Width	Width of this shape in pixels.	Basic Properties
	Height	Height of this shape in pixels.	Basic Properties
	X	Horizontal distance in pixels between the left edge of this shape and the left edge of the page.	Basic Properties
	Y	Vertical distance in pixels between the upper edge of this shape and the top edge of the page.	Basic Properties

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, please see the [Text Shape](#) page here in the Appendix.

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](#)