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DataV

Widget Guide

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Document conventions

Style	Description	Example
Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	**Danger:** Resetting will result in the loss of user configuration data.
Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	**Warning:** Restarting will cause business interruption. About 10 minutes are required to restart an instance.
Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	**Notice:** If the weight is set to 0, the server no longer receives new requests.
Note	A note indicates supplemental instructions, best practices, tips, and other content.	**Note:** You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings**> **Network**> **Set network type**.
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	Click **OK**.
`Courier font`	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

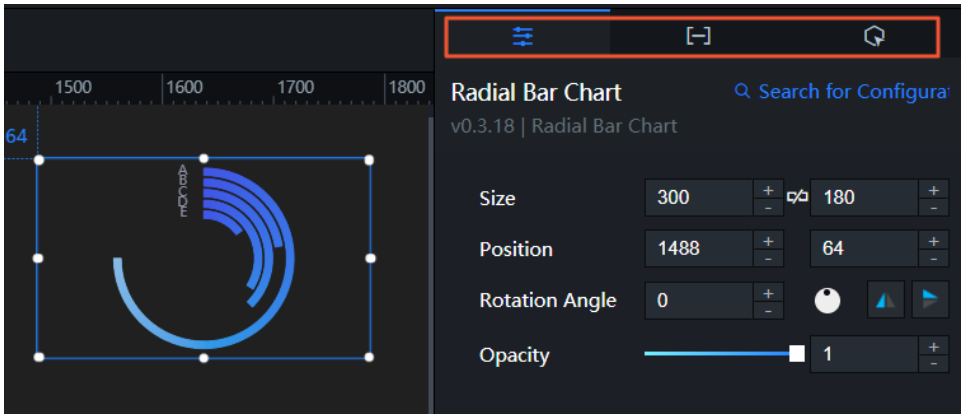
Table of Contents

1.Configure item description

Click a widget on the canvas. The configuration panel appears on the right-side of the canvas. The panel includes three tabs:**Style**, **Data**, and **Interaction**.

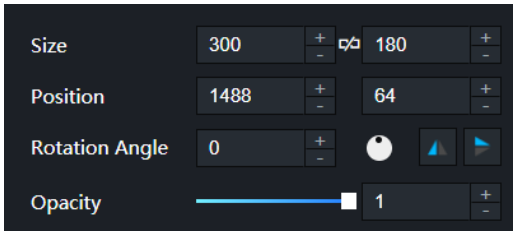
Configuration items are collapsed and grouped based on different levels. The **Style** tab displays **Basic Attributes**. Other content is collapsed to make the item structure more clear and ease classification and searches.

The following example uses a line chart.



Basic Attributes

In the basic attributes bar, you can adjust the size, position, rotation angle, and opacity of the widget.



- Size

  The border width and height are measured by the pixel distance between the left and right sides and between the upper and lower sides respectively.

  Click the plus (+) or minus (-) signs, or enter a number to adjust the **Width** and **Height**.

- Position

  The X-Y position of the widget. The **Abscissa** is the difference between the distance of the chart's upper left corner to the page's left-side border. The **Ordinate** position is the distance between the chart's and the page's upper border.

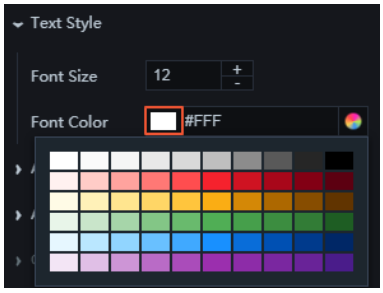
  Click the plus (+) or minus (-) signs, or enter a number to adjust the **Abscissa** and **Ordinate**.

- Others
  - Rotation angle: Rotate around the center point of the widget. Click the plus (+) or minus (-) signs, or enter a number to adjust the **rotation angle**.
  - Click the plus (+) or minus (-) signs, or enter a number (0-1) to adjust the **opacity**.

Color picker

You can use the color picker to configure attributes such as a widget's font color, axis color, grid line color, and border color. This document will show you two ways to change text color.

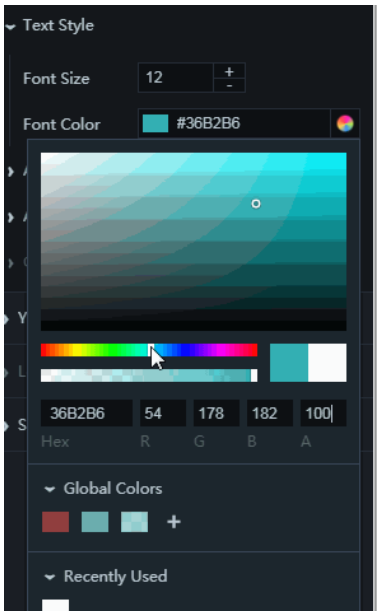
- Click the left-side **commonly used color block** icon to pick a color.



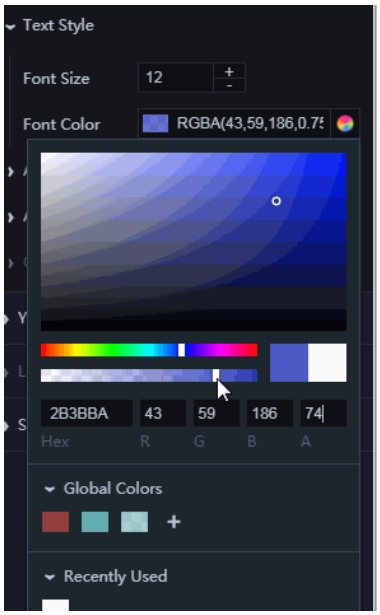
Beginners can quickly select from the built-in commonly used colors when using the commonly used color block to easily and efficiently modify corresponding widgets.

- Click the **color wheel** icon on the left-side to adjust the font color opacity, add or remove global colors, or select recently used colors.

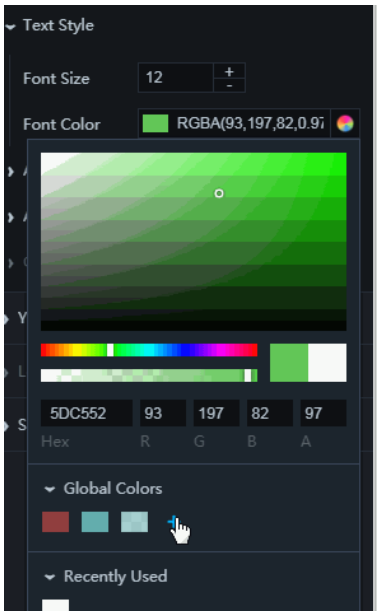
  - Adjust font color opacity



- Add or remove global colors



- Select recently used colors



Colors selected through the **Global Colors** bar are applied throughout the entire project, and saved in the **Recently Used** bar.

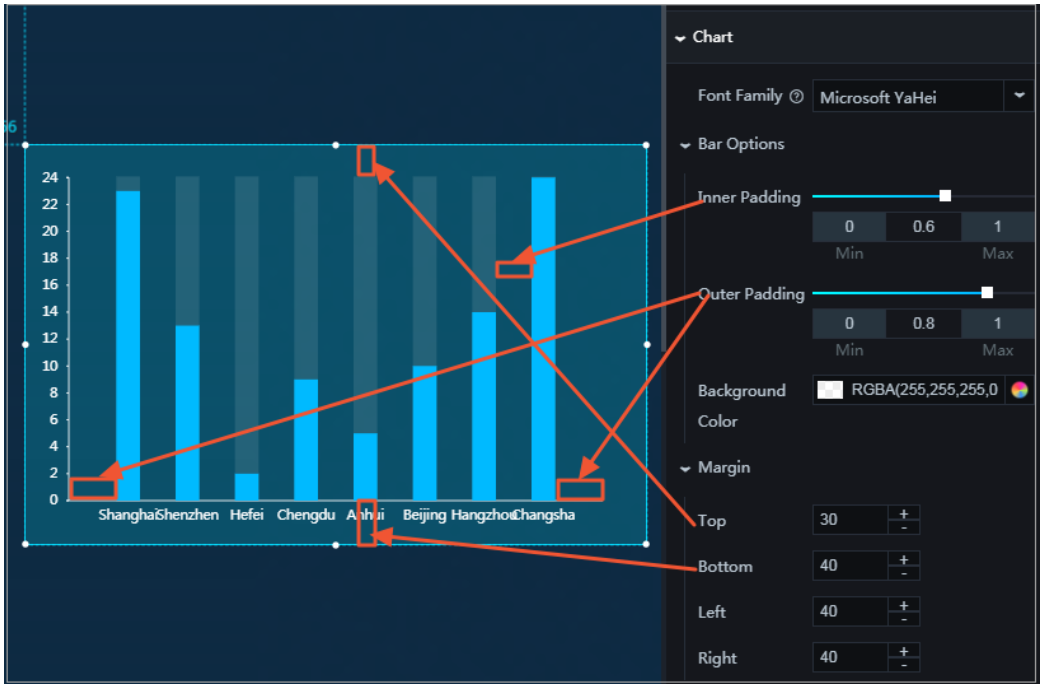
2.Column and bar charts

2.1. The Grouped Column Chart widget

This topic describes the configuration items of the Grouped Column Chart widget and how to use this widget. You can customize data along the y-axis to display data differences.

Settings

-
- Chart

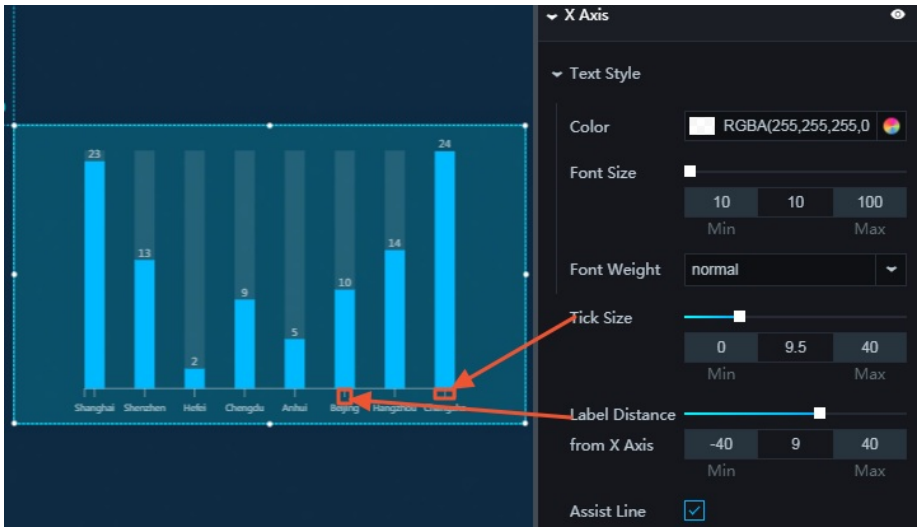


- **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.
- **Bar Options**: The style of each column.
  - **Inner Padding**: The horizontal spacing between the columns. The value range is from 0 to 1.
  - **Outer Padding**: The spacing between the leftmost column and the y-axis, and the spacing between the rightmost column and the right border of the chart. The value range is from 0 to 1.
  - **Background Color**: The background color of the columns. For information about how to set the color, see Color picker.
- **Margin**: The spacing between the chart and the chart borders.
  - **Top**: The spacing between the columns and the top border of the chart.
  - **Bottom**: The spacing between the columns and the bottom border of the chart.
  - **Left**: The spacing between the leftmost column and the left border of the chart.
  - **Right**: The spacing between the rightmost column and the right border of the chart.

- **Label**: The style of each label. To display the labels, click the **Eye** icon.

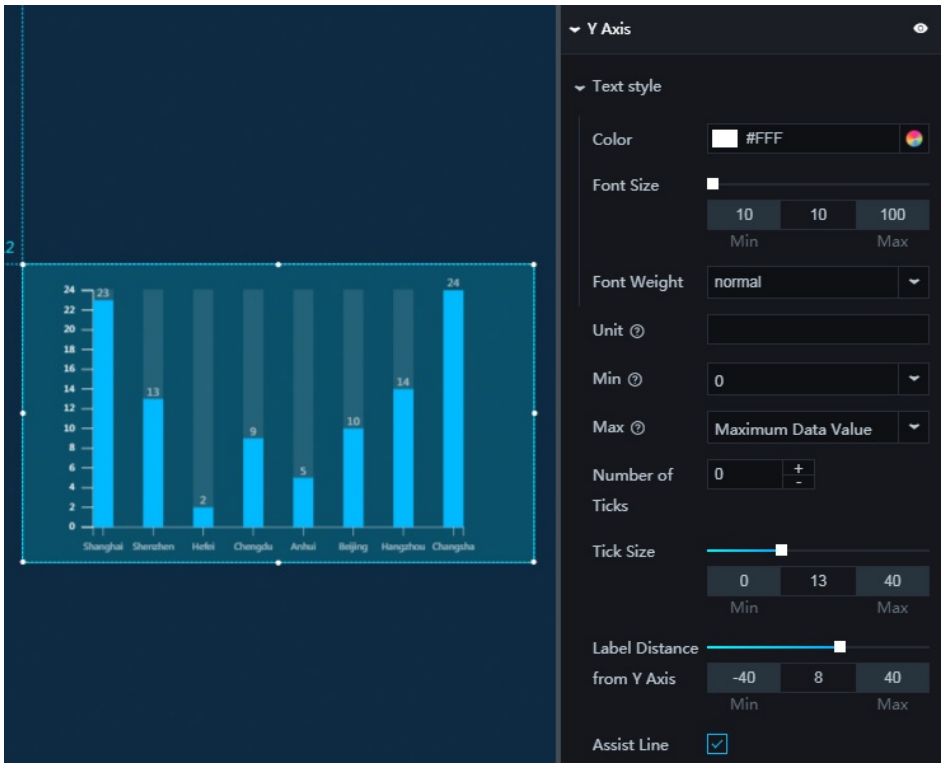
  - **Text Style**
    - **Font Size**: The font size of the label text.
    - **Font Color**: The font color of the label text.
    - **Font Weight**: The font weight of the label text.
  - **Vertical Offset**: The vertical offset of the labels. If the value of this parameter is smaller than *0*, the labels are offset upward. If the value of this parameter is greater than *0*, the labels are offset downward.
  - **Horizontal Offset**: The horizontal offset of the labels. If the value of this parameter is smaller than *0*, the labels are offset leftward. If the value of this parameter is greater than *0*, the labels are offset rightward.

- **X Axis**: The style of the x-axis. To display the x-axis, click the **Eye** icon.



- **Text Style**
  - **Color**: The font color of the text along the x-axis.
  - **Font Size**: The font size of the text along the x-axis. The value range is from 10 to 100.
  - **Font Weight**: The font weight of the text along the x-axis.
  - **Tick Size**: The length of the ticks along the x-axis. The value range is from 0 to 40.
  - **Label Distance from X Axis**: The spacing between the text along the x-axis and the x-axis. The value range is from -40 to 40.
  - **Assist Line**: If you select this check box, the axis line and ticks are displayed.

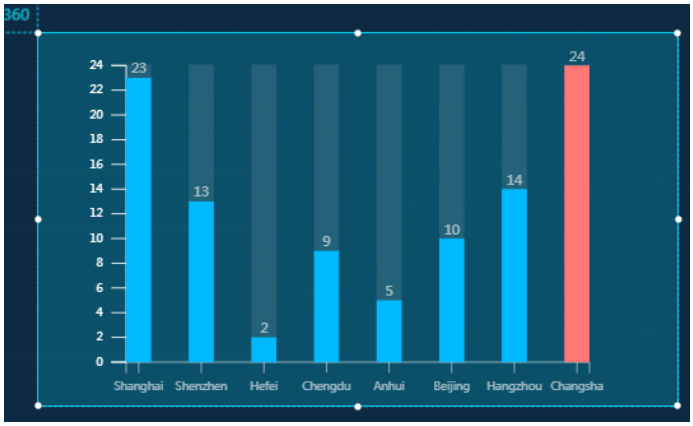
- **Y Axis**: The style of the x-axis. To display the y-axis, click the **Eye** icon.



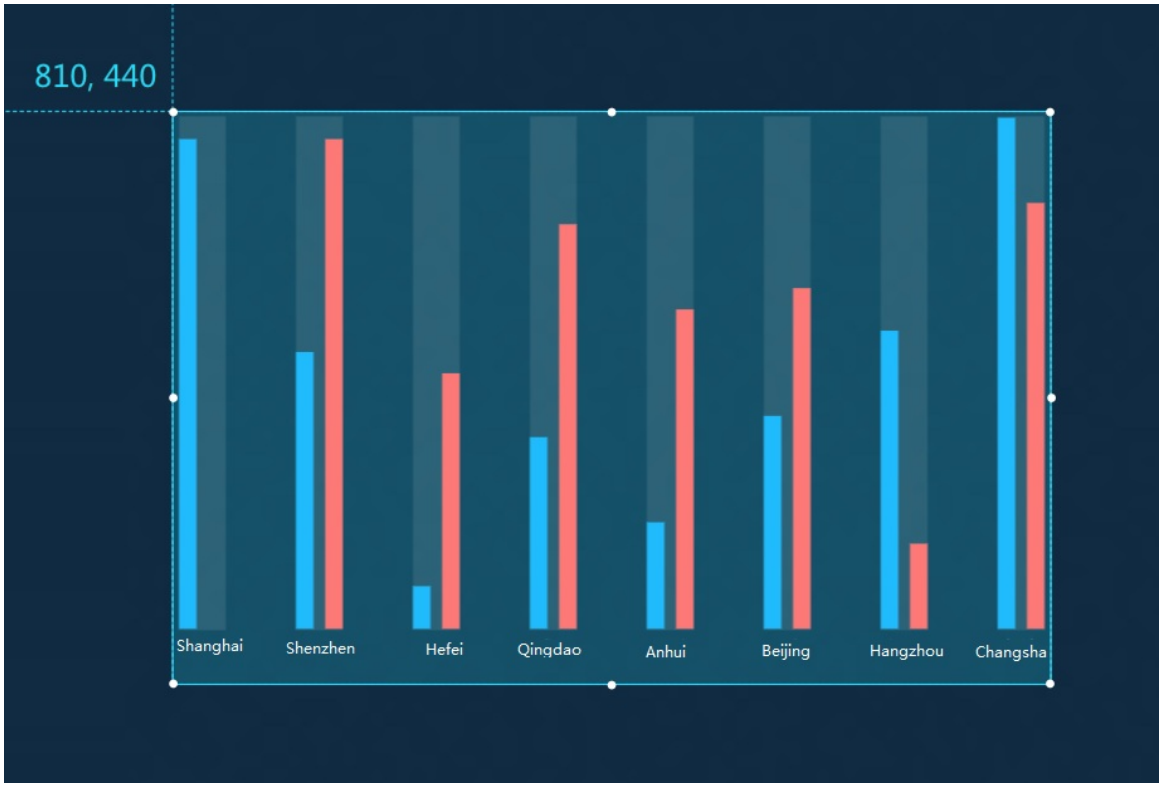
  - **Text Style**
    - **Color**: The font color of the text along the y-axis.
    - **Font Size**: The font size of the text along the y-axis. The value range is from 10 to 100.
    - **Font Weight**: The font weight of the text along the y-axis.
  - **Unit**: The unit of the label text along the y-axis.
  - **Min**: The format of the minimum value along the y-axis.
    - *Minimum Data Value*: If you select this option, the minimum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, the minimum value, and the number of ticks.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, the minimum value, and the number of ticks.
  - **Tick Size**: The length of the ticks along the y-axis. The value range is from 0 to 40.
  - **Label Distance from Y Axis**: The spacing between the text along the y-axis and the y-axis. The value range is from -40 to 40.
  - **Assist Line**: If you select this check box, the axis line and ticks are displayed.

- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

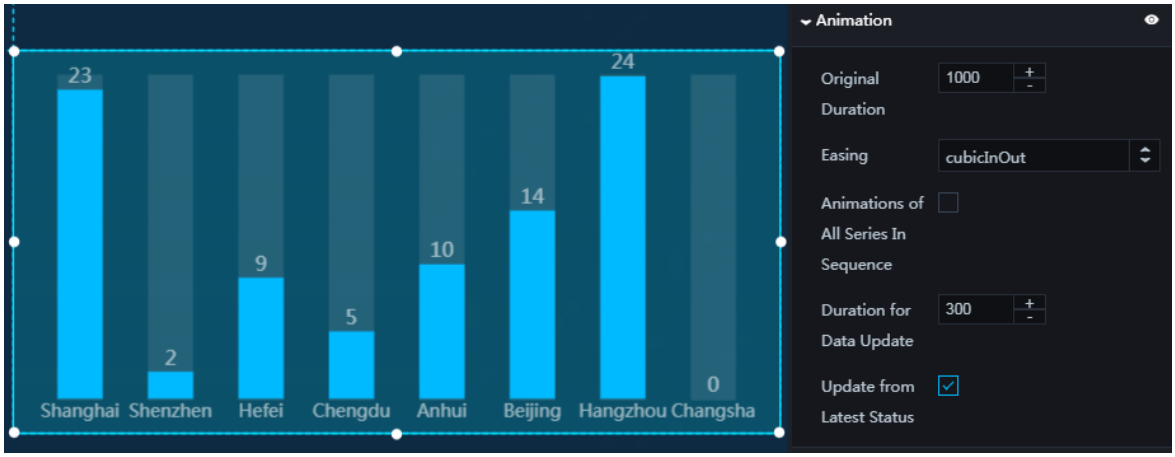
- **Color**: To set the fill color type, click the drop-down arrow and select the target type. To change the color of a series, see Color picker.
  - Solid fill
  - Gradient fill
    - You can select two colors as the gradient colors.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
- **Series to Type**
  - If you select this check box, the column chart is displayed in type mode. If the type mode is not displayed, check whether you have set the s field, which defines the column type. A category corresponds to a specific type.



  - If you clear this check box, the column chart is displayed in series mode. If the series mode is not displayed, check whether you have set the s field, which defines the column type. For example, if you set two series, two columns are displayed for each category.



- **Animation**: The animation of the columns. To display the animation option, click the **Eye** icon.



- **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
- **Easing**: The animation easing. You can select an easing effect as needed.
- **Animations of All Series In Sequence**: If you select this check box, the animations of all columns in the chart are displayed in a sequence. If you clear this check box, the animations of all columns in the chart are displayed at the same time.
- **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.
- **Update from Latest Status**: If you select this check box, the animation begins from the column where the data is updated. If you clear this check box, the animation begins from the starting point.

Data

The JSON example in the preceding figure is as follows:

```
[
  {
    "x": "Shanghai",
    "y": 23
  },
  {
    "x": "Shenzhen",
    "y": 13
  },
  {
    "x": "Hefei",
    "y": 2
  },
  {
    "x": "Chengdu",
    "y": 9
  },
  {
    "x": "Anhui",
    "y": 5
  },
  {
    "x": "Beijing",
    "y": 10
  },
  {
    "x": "Hangzhou",
    "y": 14
  },
  {
    "x": "Changsha",
    "y": 24
  }
]
```

- x: The category text of each column.
- y: The actual data value of each column.
- s: Optional. The series data.

Interaction

This widget is not connected to any events yet.

2.2. The Capsule Column Chart widget

This topic describes the configuration items of the Capsule Column Chart widget and how to use this widget. You can customize data along the y-axis to display data differences.

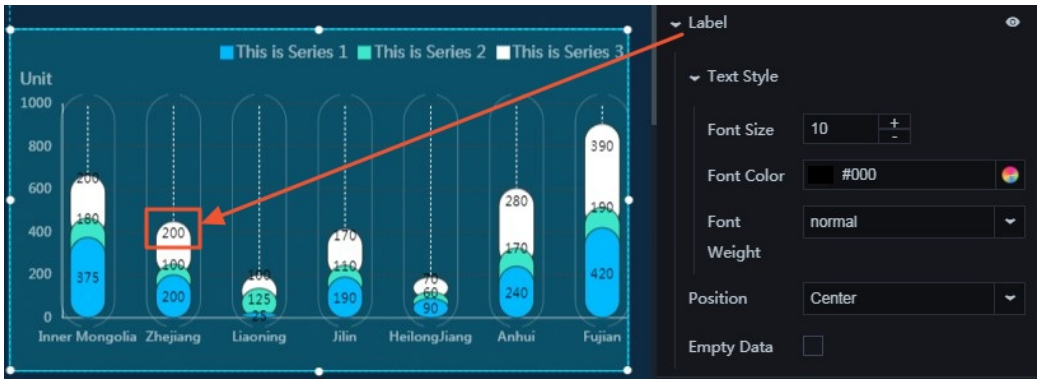
Settings

-
- **Global Settings**
  - **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.

- **Bar**

  - **Inner Padding**: The spacing between the columns. The value range is from 0 to 1.
  - **Outer Padding**: The spacing between the leftmost column and the left border, and the spacing between the rightmost column and the right border of the chart. The value range is from 0 to 1.
  - **Capsule Padding**: The spacing between the columns and the capsule borders.
  - **Border Color**: The color of the capsule borders. For information about how to set a color, see Color picker.
  - **Border Size**: The width of the capsule borders.
  - **Padding Color**: The color of the column borders.
- **Margin**
  - **Top**: The spacing between the columns and the top border of the chart.
  - **Bottom**: The spacing between the columns and the bottom border of the chart.
  - **Left**: The spacing between the leftmost column and the left border of the chart.
  - **Right**: The spacing between the rightmost column and the right border of the chart.

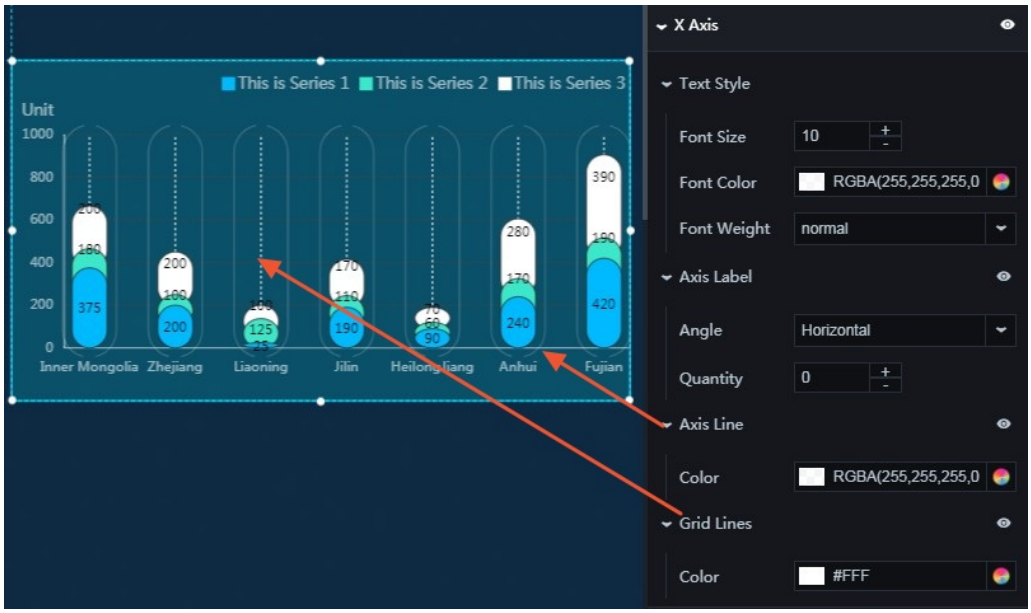
- **Label**: The labels on the columns. To display the labels, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the label text.
  - **Font Color**: The font color of the label text.
  - **Font Weight**: The font weight of the label text.

- **Position**: The position of the labels. The available options are *Top*, *Center*, and *Bottom*.
- **Empty Data**: If you select this check box, 0 is displayed when the x-axis has no data.

- **X Axis**: The style of the x-axis. To display the x-axis, click the **Eye** icon.

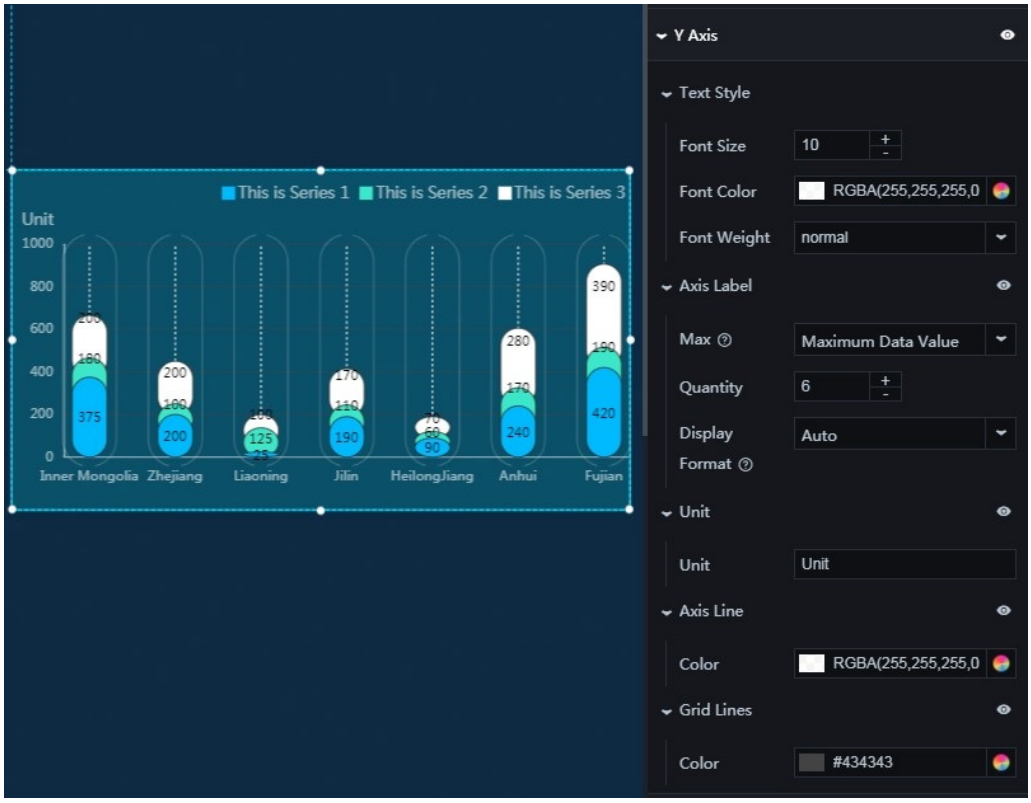


  - **Text Style**
    - **Font Size**: The font size of the text along the x-axis.
    - **Font Color**: The font color of the text along the x-axis.
    - **Font Weight**: The font weight of the text along the x-axis.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.
    - **Angle**: The angle of the axis labels. The available options are *Horizontal*, *Slant*, and *Vertical*.
    - **Quantity**: The maximum number of axis labels.

      > **Note** If you set the **Quantity** field to 0, the axis labels are automatically displayed according to the data and the number of the columns.

  - **Axis Line**: To display the axis line, click the **Eye** icon.
    - **Color**: The color of the axis line.
  - **Grid Lines**: To display the grid lines, click the **Eye** icon.
    - **Color**: The color of the grid lines.

- **Y Axis**: The style of the y-axis. To display the y-axis, click the **Eye** icon.

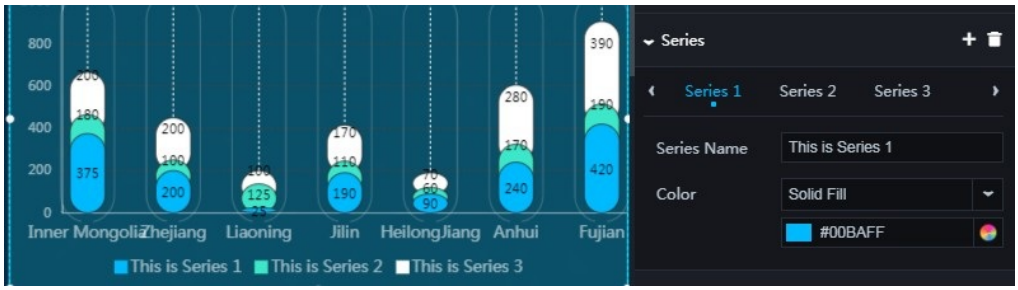


- **Text Style**
  - **Font Size**: The font size of the text along the y-axis.
  - **Font Color**: The font color of the text along the y-axis.
  - **Font Weight**: The font weight of the text along the y-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Quantity**: The number of axis labels.
  - **Display Format**: The display format of the axis labels. You can customize the display format or select a format as needed. If you select *Auto*, the default format is displayed.
- **Unit**: The unit of the label text along the y-axis. To display the unit option, click the **Eye** icon.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Legend**: To display the legend items, click the **Eye** icon.

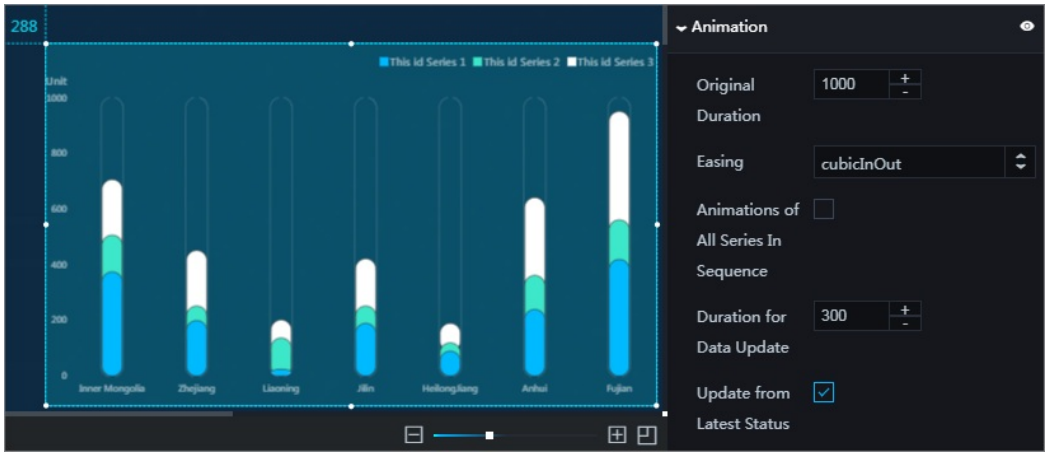
- **Text Style**
  - **Font Size**: The font size of the legend text.
  - **Font Color**: The font color of the legend text.
  - **Font Weight**: The font weight of the legend text.
- **Layout**: The layout of the legend items.
  - **Margin**
    - **Horizontal Interval**: The horizontal spacing between two legend items. This parameter is available only if the chart has multiple series of data.
    - **Vertical Interval**: The spacing between the legend items and the top border of the chart, and the spacing between the legend items and the bottom border of the chart.
  - **Position**: The position of the legend items.

- **Series**: To add or delete a series, click **+** or click the **Trash** icon.



- **Series Name**: The name of a series. You can set a name for the series as needed. If the series does not have a name, the value of s is automatically displayed as the series name. If the series has a name, make sure that the data is displayed in the correct order. For more information, see Frequently asked questions (User self-check process).
- **Color**: The fill color type of a series. The available options are *Solid Fill* and *Gradient Fill*.

- **Animation**: The animation of the columns. To display the animation option, click the **Eye** icon.



- **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
- **Easing**: The animation easing. You can select an easing effect as needed.
- **Animations of All Series In Sequence**: If you select this check box, the animations of all columns in the chart are displayed in sequence. If you clear this check box, the animations of all columns in the chart are displayed at the same time.
- **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.
- **Update from Latest Status**: If you select this check box, the animation begins from the column where the data is updated. If you clear this check box, the animation begins from the starting point.

Data

The JSON example in the preceding figure is as follows:

```
[
  {
    "x": "Inner Mongolia",
    "y": "375",
    "s": "1"
  },
  {
    "x": "Inner Mongolia",
    "y": "180",
    "s": "2"
  },
  {
    "x": "Inner Mongolia",
    "y": "200",
    "s": "3"
  },
  {
```

```
    "x": "Zhejiang",
    "y": "200",
    "s": "1"
  },
  {
    "x": "Zhejiang",
    "y": "100",
    "s": "2"
  },
  {
    "x": "Zhejiang",
    "y": "200",
    "s": "3"
  },
  {
    "x": "Liaoning",
    "y": "25",
    "s": "1"
  },
  {
    "x": "Liaoning",
    "y": "125",
    "s": "2"
  },
  {
    "x": "Liaoning",
    "y": "100",
    "s": "3"
  },
  {
    "x": "Jilin",
    "y": "190",
    "s": "1"
  },
  {
    "x": "Jilin",
    "y": "110",
    "s": "2"
  },
  {
    "x": "Jilin",
    "y": "170",
    "s": "3"
  },
  {
    "x": "Heilongjiang",
    "y": "90",
    "s": "1"
  },
  {
    "x": "Heilongjiang",
    "y": "60",
    "s": "2"
  },
  {
    "x": "Heilongjiang",
    "y": "70",
    "s": "3"
  },
  {
    "x": "Anhui",
    "y": "240",
    "s": "1"
  },
  {
    "x": "Anhui",
    "y": "170",
    "s": "2"
  }
```

```
  },
  {
    "x": "Anhui",
    "y": "280",
    "s": "3"
  },
  {
    "x": "Fujian",
    "y": "420",
    "s": "1"
  },
  {
    "x": "Fujian",
    "y": "190",
    "s": "2"
  },
  {
    "x": "Fujian",
    "y": "390",
    "s": "3"
  }
]
```

- x: The category text of each column.
- y: The actual data value of each column.
- s: Optional. The series data.

Interaction

This widget is not connected to any events yet.

2.3. The Basic Column Chart widget

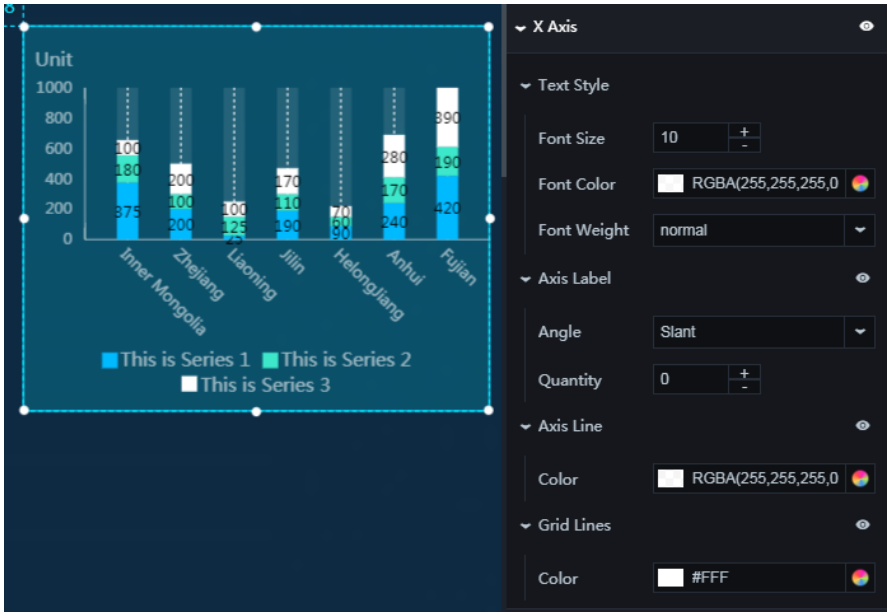
This topic describes the configuration items of the Basic Column Chart widget and how to use this widget. You can customize y-axis values as needed, and set data series to display differences between data categories.

Settings

-
- **Global Settings**

- **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.
- **Bar Options**
  - **Inner Padding**: The spacing between the columns. The value range is from 0 to 1.
  - **Outer Padding**: The spacing between the leftmost column and the y-axis, and the spacing between the rightmost column and the right border of the chart. The value range is from 0 to 1.
  - **Color**: The background color of the columns. For information about how to set a color, see Color picker.
- **Margin**
  - **Top**: The spacing between the chart and the top border.
  - **Bottom**: The spacing between the chart and the bottom border.
  - **Left**: The spacing between chart and the left border.
  - **Right**: The spacing between the chart and the right border.
- **Label**: The labels on the columns. To display the labels, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: The font size of the label text.
    - **Font Color**: The font color of the label text.
    - **Font Weight**: The font weight of the label text.
  - **Position**: The position of the labels. The available options are *Top*, *Center*, and *Bottom*.
  - **Empty Data**: If you select this check box, 0 is displayed when the x-axis has no data.

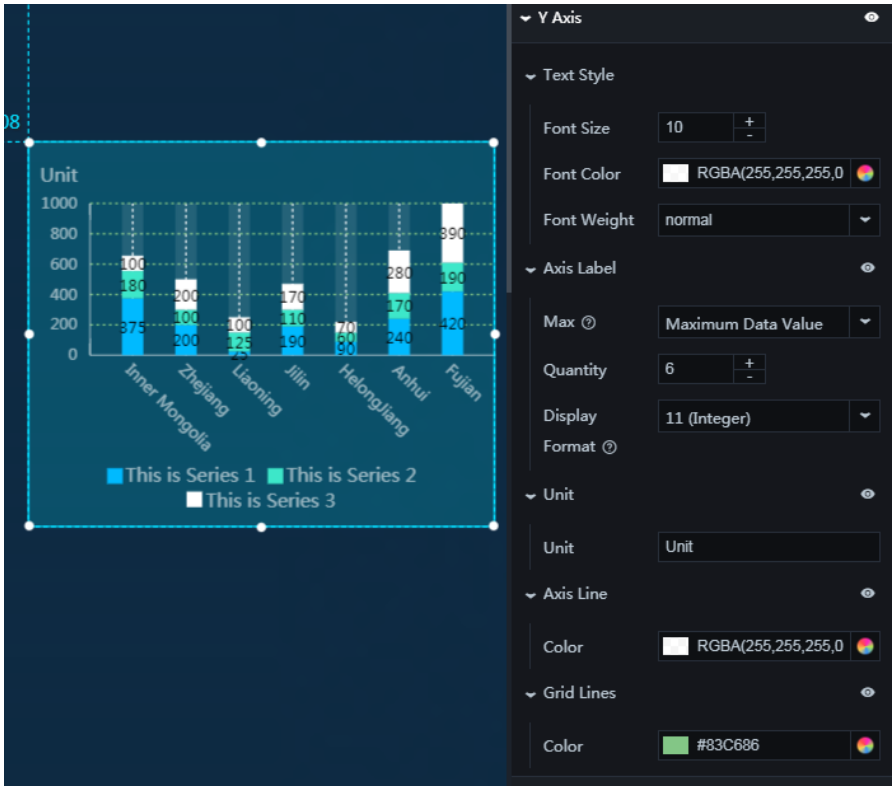
- **X Axis**: The style of the x-axis. To display the x-axis, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the text along the x-axis.
  - **Font Color**: The font color of the text along the x-axis.
  - **Font Weight**: The font weight of the text along the x-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Angle**: The angle of the axis labels. The available options are *Horizontal*, *Slant*, and *Vertical*.
  - **Quantity**: The number of axis labels.

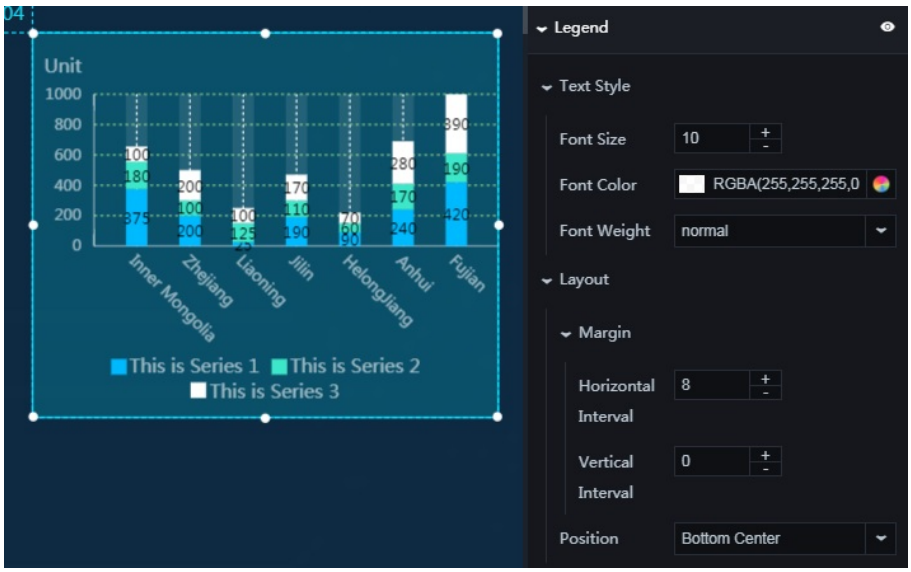
    > **Note** If you set the **Quantity** field to 0, the axis labels are automatically displayed according to the number of data entries and the number of columns.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Y Axis**: The style of the y-axis. To display the y-axis, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the text along the y-axis.
  - **Font Color**: The font color of the text along the y-axis.
  - **Font Weight**: The font weight of the text along the y-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Quantity**: The number of axis labels.
  - **Display Format**: The display format of the axis labels. You can customize the display format or select a format as needed. If you select *Auto*, the default format is displayed.
- **Unit**: The unit of the label text along the y-axis. To display the unit option, click the **Eye** icon.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Legend**: To display the legend items, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the legend text.
  - **Font Color**: The font color of the legend text.
  - **Font Weight**: The font weight of the legend text.
- **Layout**: The layout of the legend items.
  - **Margin**
    - **Horizontal Interval**: The horizontal spacing between two legend items. This parameter is available only if the chart has multiple series of data.
    - **Vertical Interval**: The spacing between the legend items and the top border of the chart, and the spacing between the legend items and the bottom border of the chart.
  - **Position**: Optional. The position of the legend items.

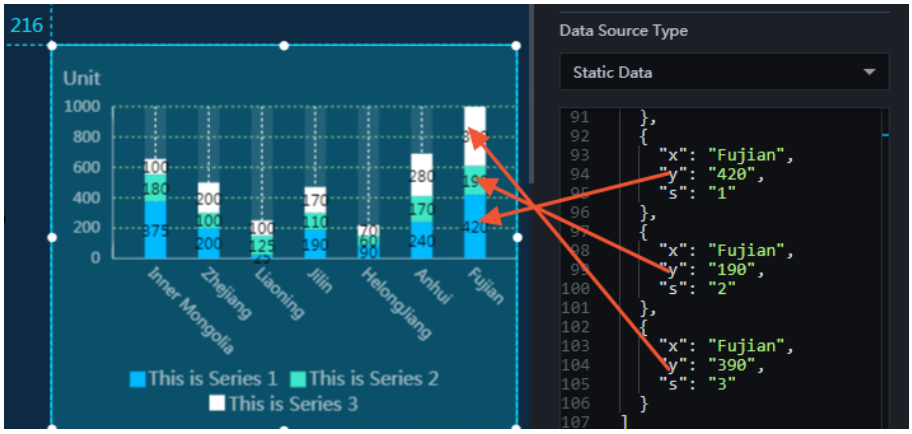
- **Series**: To add or delete a data series, click **+** or click the **Trash** icon.

- **Series Name**: The name of a series. You can set a name for the series as needed. If the series does not have a name, the value of s is automatically displayed as the series name. If the series has a name, make sure that the data is displayed in the correct order. For more information about how to configure a data series, see Frequently asked questions (User self-check process).
- **Color**: The fill color type of a series. The available options are *Solid Fill* and *Gradient Fill*.

- **Animation**: The animation of the columns. To display the animation option, click the **Eye** icon.
  - **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
  - **Easing**: The animation easing. You can select an easing effect as needed.
  - **Animations of All Series In Sequence**: If you select this check box, the animations of all columns in the chart are displayed in sequence. If you clear this check box, the animations of all columns in the chart are displayed at the same time.
  - **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.

- **Update from Latest Status**: If you select this check box, the animation begins from the column where the data is updated. If you clear this check box, the animation begins from the bottom of the x-axis.

Data



The JSON example in the preceding figure is as follows:

```
[
  {
    "x": "Inner Mongolia",
    "y": "375",
    "s": "1"
  },
  {
    "x": "Inner Mongolia",
    "y": "180",
    "s": "2"
  },
  {
    "x": "Inner Mongolia",
    "y": "100",
    "s": "3"
  },
  {
    "x": "Zhejiang",
    "y": "200",
    "s": "1"
  },
  {
    "x": "Zhejiang",
    "y": "100",
    "s": "2"
  },
  {
    "x": "Zhejiang",
    "y": "200",
    "s": "3"
  },
  {
    "x": "Liaoning",
    "y": "25",
    "s": "1"
  },
  {
    "x": "Liaoning",
    "y": "125",
    "s": "2"
  },
  {
    "x": "Liaoning",
    "y": "100",
    "s": "3"
```

```
  },
  {
    "x": "Jilin",
    "y": "190",
    "s": "1"
  },
  {
    "x": "Jilin",
    "y": "110",
    "s": "2"
  },
  {
    "x": "Jilin",
    "y": "170",
    "s": "3"
  },
  {
    "x": "Heilongjiang",
    "y": "90",
    "s": "1"
  },
  {
    "x": "Heilongjiang",
    "y": "60",
    "s": "2"
  },
  {
    "x": "Heilongjiang",
    "y": "70",
    "s": "3"
  },
  {
    "x": "Anhui",
    "y": "240",
    "s": "1"
  },
  {
    "x": "Anhui",
    "y": "170",
    "s": "2"
  },
  {
    "x": "Anhui",
    "y": "280",
    "s": "3"
  },
  {
    "x": "Fujian",
    "y": "420",
    "s": "1"
  },
  {
    "x": "Fujian",
    "y": "190",
    "s": "2"
  },
  {
    "x": "Fujian",
    "y": "390",
    "s": "3"
  }
]
```

- x: The category text of each column.
- y: The actual data value of each column.
- s: Optional. The series data.

Interaction

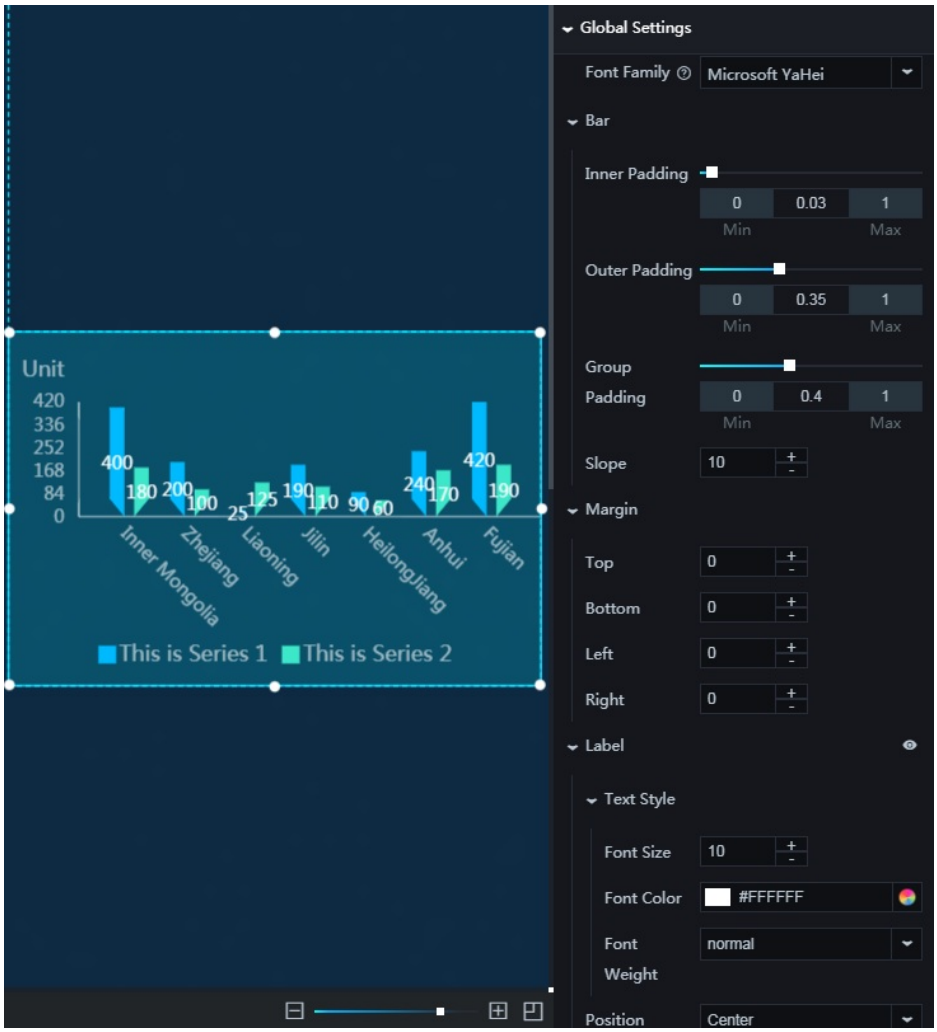
This widget is not connected to any events yet.

2.4. The Trapezoid Column Chart widget

This topic describes the configuration items of the Trapezoid Column Chart widget and how to use this widget. You can customize y-axis values as needed, and set data series to display differences between data categories.

Settings

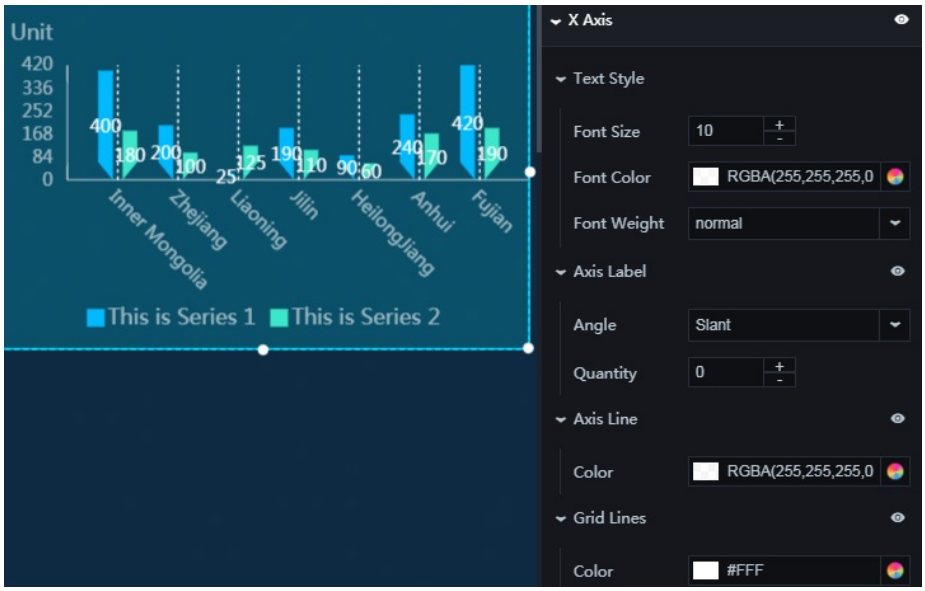
-
- **Global Settings**



  - **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.
  - **Bar**
    - **Inner Padding**: The horizontal spacing between the columns. The value range is from 0 to 1.
    - **Outer Padding**: The spacing between the leftmost column and the y-axis, and the spacing between the rightmost column and the right border of the chart. The value range is from 0 to 1.
    - **Group Padding**: The spacing between the columns in a group. The value range is from 0 to 1.
    - **Slope**: The angle of the slope at the bottom of each column.

- **Margin**
  - **Top**: The spacing between the columns and the top border of the chart.
  - **Bottom**: The spacing between the columns and the bottom border of the chart.
  - **Left**: The spacing between the columns and the left border of the chart.
  - **Right**: The spacing between the columns and the right border of the chart.
- **Label**: The labels on the columns. To display the labels, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: The font size of the label text.
    - **Font Color**: The font color of the label text.
    - **Font Weight**: The font weight of the label text.
  - **Position**: The position of the labels. The available options are *Top* and *Center*.

- **X Axis**: The style of the x-axis. To display the x-axis, click the **Eye** icon.



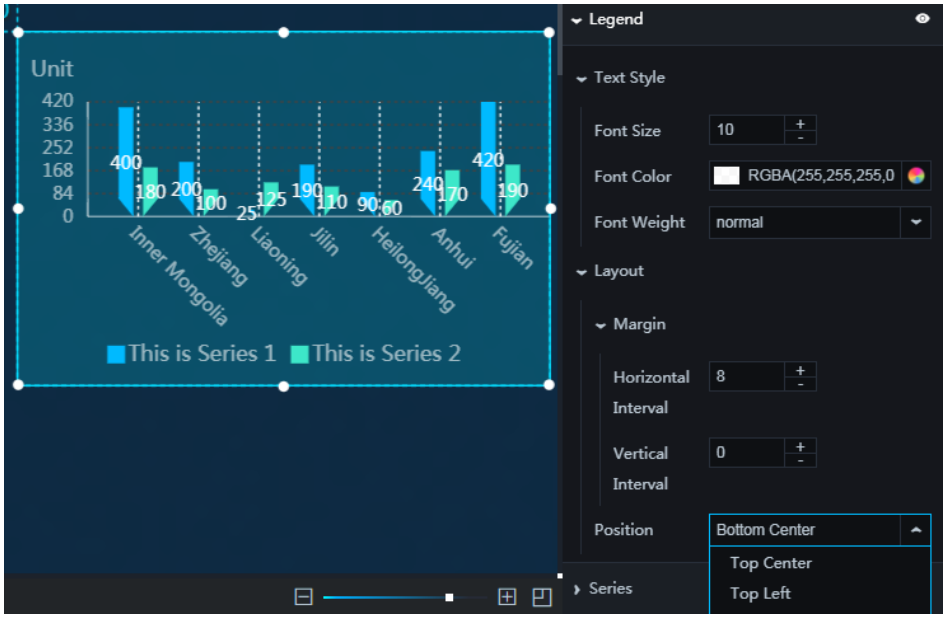
  - **Text Style**
    - **Font Size**: The font size of the text along the x-axis.
    - **Font Color**: The font color of the text along the x-axis.
    - **Font Weight**: The font weight of the text along the x-axis.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.
    - **Angle**: The angle of the axis labels. The available options are *Horizontal*, *Slant*, and *Vertical*.
    - **Quantity**: The number of axis labels.

      > **Note** If you set the **Quantity** field to 0, the axis labels are automatically displayed according to the number of data entries and the number of the columns.
  - **Axis Line**: To display the axis line, click the **Eye** icon.
    - **Color**: The color of the axis line.
  - **Grid Lines**: To display the grid lines, click the **Eye** icon.
    - **Color**: The color of the grid lines.

- **Y Axis**: The style of the y-axis. To display the y-axis, click the **Eye** icon.

- **Text Style**
  - **Font Size**: The font size of the text along the y-axis.
  - **Font Color**: The font color of the text along the y-axis.
  - **Font Weight**: The font weight of the text along the y-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Min**: The format of the minimum value along the y-axis.
    - *Minimum Data Value*: If you select this option, the minimum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of ticks.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Quantity**: The number of axis labels.
  - **Display Format**: The display format of the axis labels. You can customize the display format or select a format as needed. If you select *Auto*, the default format is displayed.
- **Unit**: The unit of the label text along the y-axis. To display the unit option, click the **Eye** icon.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Legend**: To display the legend items, click the **Eye** icon.

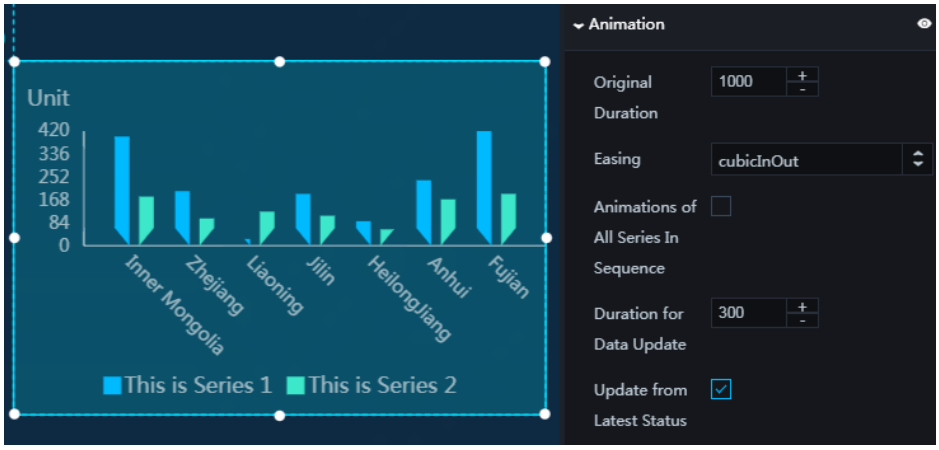


- **Text Style**
  - **Font Size**: The font size of the legend text.
  - **Font Color**: The font color of the legend text.
  - **Font Weight**: The font weight of the legend text.
- **Layout**
  - **Margin**
    - **Horizontal Interval**: The horizontal spacing between two legend items. This parameter is available only if the chart has multiple series of data.
    - **Vertical Interval**: The spacing between the legend items and the top border of the chart, and the spacing between the legend items and the bottom border of the chart.
  - **Position**: Optional. The position of the legend items.

- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

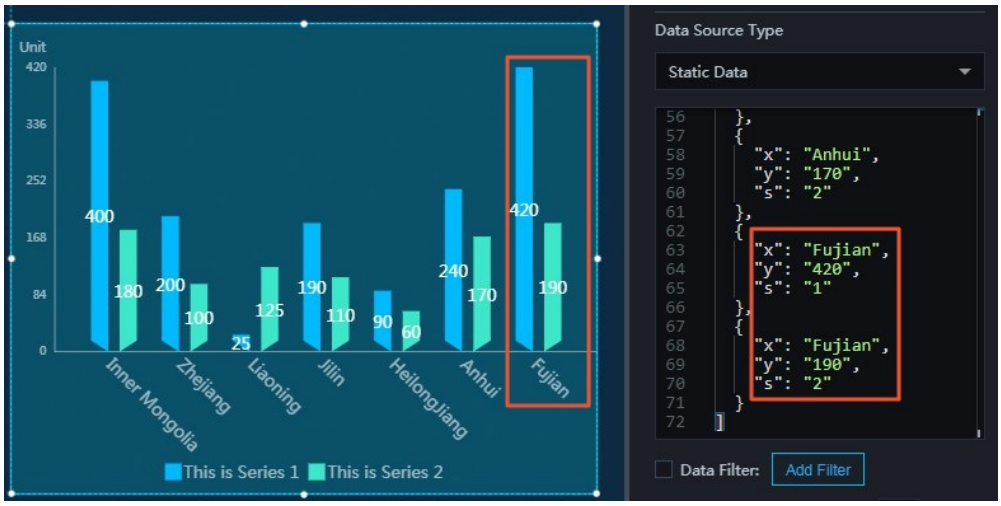
- **Series Name**: The name of a series. You can set a name for the series as needed. If the series does not have a name, the value of s is automatically displayed as the series name. If the series has a name, make sure that the data is displayed in the correct order. For more information about how to configure a data series, see Frequently asked questions (User self-check process).
- **Color**: The fill color type of a series. The available options are *Solid Fill* and *Gradient Fill*.

- **Animation**: The animation of the columns. To display the animation option, click the **Eye** icon.



- **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
- **Easing**: The animation easing. You can select an easing effect as needed.
- **Animations of All Series In Sequence**: If you select this check box, the animations of all columns in the chart are displayed in a sequence. If you clear this check box, the animations of all columns in the chart are displayed at the same time.
- **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.
- **Update from Latest Status**: If you select this check box, the animation begins from the column where the data is updated. If you clear this check box, the animation begins from the bottom of the x-axis.

Data



The JSON example in the preceding figure is as follows:

```
[
  {
    "x": "Inner Mongolia",
    "y": "400",
    "s": "1"
  },
  {
    "x": "Inner Mongolia",
    "y": "180",
    "s": "2"
  },
  {
    "x": "Zhejiang",
    "y": "200",
    "s": "1"
  },
  {
    "x": "Zhejiang",
```

```
    "y": "100",
    "s": "2"
  },
  {
    "x": "Liaoning",
    "y": "25",
    "s": "1"
  },
  {
    "x": "Liaoning",
    "y": "125",
    "s": "2"
  },
  {
    "x": "Jilin",
    "y": "190",
    "s": "1"
  },
  {
    "x": "Jilin",
    "y": "110",
    "s": "2"
  },
  {
    "x": "Heilongjiang",
    "y": "90",
    "s": "1"
  },
  {
    "x": "Heilongjiang",
    "y": "60",
    "s": "2"
  },
  {
    "x": "Anhui",
    "y": "240",
    "s": "1"
  },
  {
    "x": "Anhui",
    "y": "170",
    "s": "2"
  },
  {
    "x": "Fujian",
    "y": "420",
    "s": "1"
  },
  {
    "x": "Fujian",
    "y": "190",
    "s": "2"
  }
]
```


- x: The category text of each column.
- y: The actual data value of each column.
- s: Optional. The series data.

Interaction

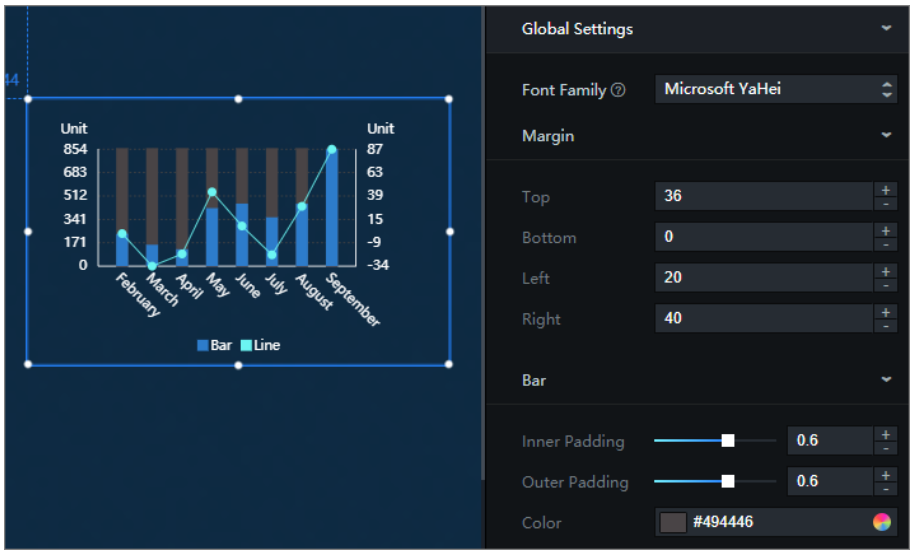
This widget is not connected to any events yet.

2.5. The Line Column Chart widget

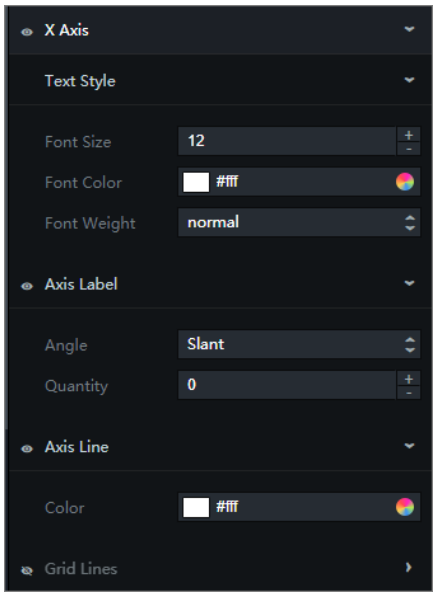
This topic describes the configuration items of the Line Column Chart widget and how to use this widget. This widget consists of a column chart and a line chart. You can customize y-axis values as needed, and set data series to display differences between data categories.

Settings

-
- **Global Settings**

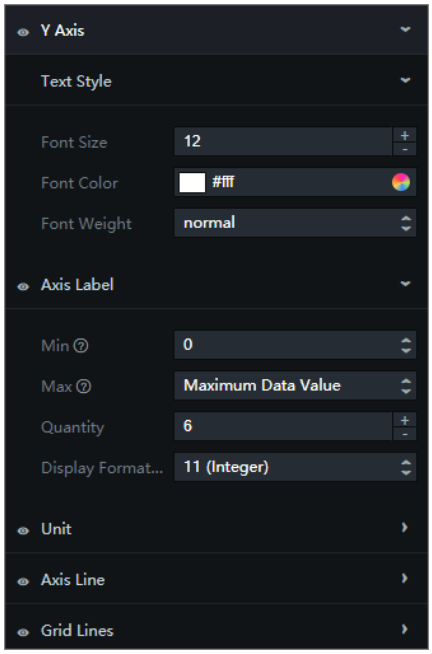


  - **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.
  - **Margin**
    - **Top**: The spacing between the line column chart and the top border.
    - **Bottom**: The spacing between the line column chart and the bottom border.
    - **Left**: The spacing between the line column chart and the left border.
    - **Right**: The spacing between the line column chart and the right border.
  - **Bar**
    - **Inner Padding**: The horizontal spacing between the columns. The value range is from 0 to 1.
    - **Outer Padding**: The spacing between the leftmost column and the y-axis, and the spacing between the rightmost column and the z-axis. The value range is from 0 to 1.
    - **Color**: The background color of the columns.
- **X Axis**: The style of the x-axis. To display the x-axis, click the **Eye** icon.



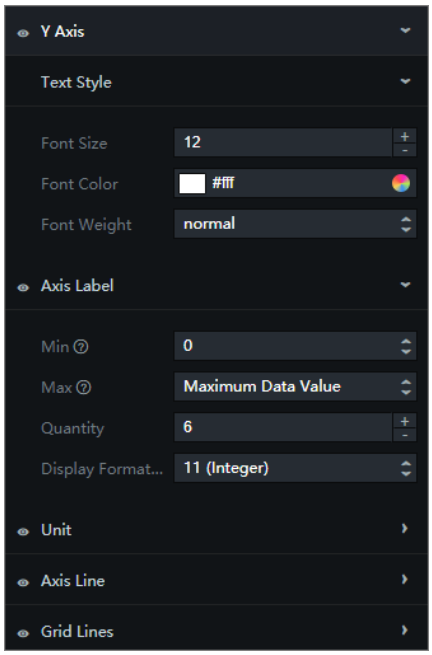
- **Text Style**
  - **Font Size**: The font size of the text along the x-axis.
  - **Font Color**: The font color of the text along the x-axis.
  - **Font Weight**: The font weight of the text along the x-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Angle**: The angle of the axis labels. The available options are *Horizontal*, *Slant*, and *Vertical*.
  - **Quantity**: The number of axis labels.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Y Axis**: The style of the y-axis. To display the y-axis, click the **Eye** icon.

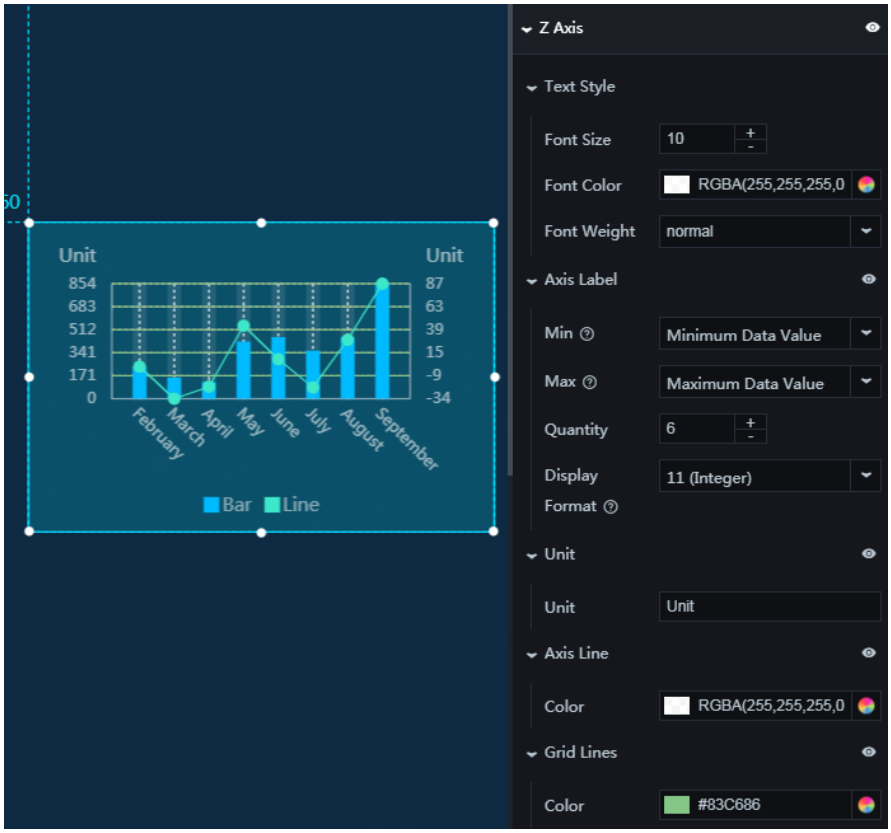


- **Text Style**
  - **Font Size**: The font size of the text along the y-axis.
  - **Font Color**: The font color of the text along the y-axis.
  - **Font Weight**: The font weight of the text along the y-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Min**: The format of the minimum value along the y-axis.
    - *Minimum Data Value*: If you select this option, the minimum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Quantity**: The number of axis labels.
  - **Display Format**: The display format of the axis labels. You can customize the display format or select a format as needed. If you select *Auto*, the default format is displayed.
- **Unit**: The unit of the label text along the y-axis. To display the unit option, click the **Eye** icon.

- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

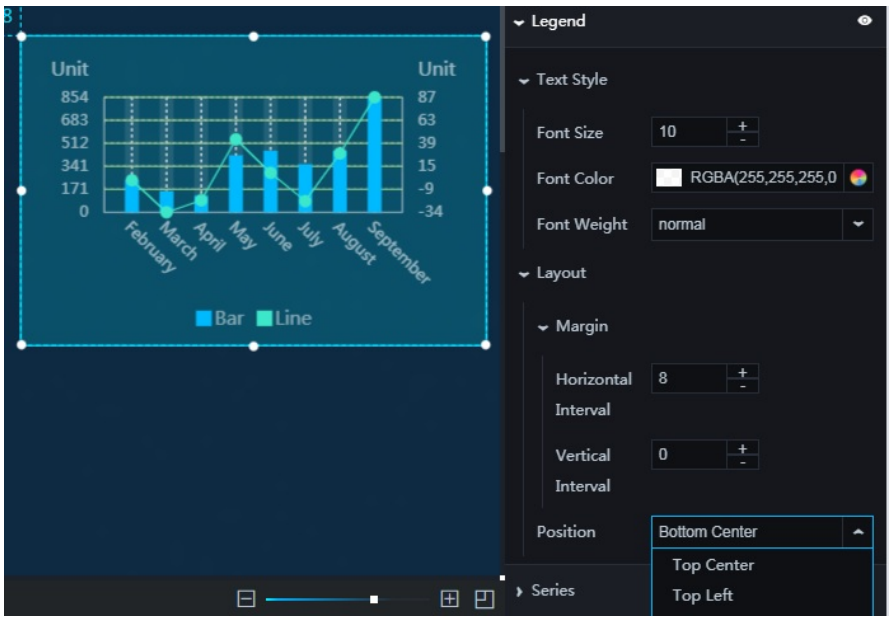


- **Z Axis**: The style of the z-axis. To display the z-axis, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the text along the z-axis.
  - **Font Color**: The font color of the text along the z-axis.
  - **Font Weight**: The font weight of the text along the z-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Min**: The format of the minimum value along the y-axis.
    - *Minimum Data Value*: If you select this option, the minimum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Quantity**: The number of axis labels.
  - **Display Format**: The display format of the axis labels. You can customize the display format or select a format as needed. If you select *Auto*, the default format is displayed.
- **Unit**: The unit of the label text along the z-axis. To display the unit option, click the **Eye** icon.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

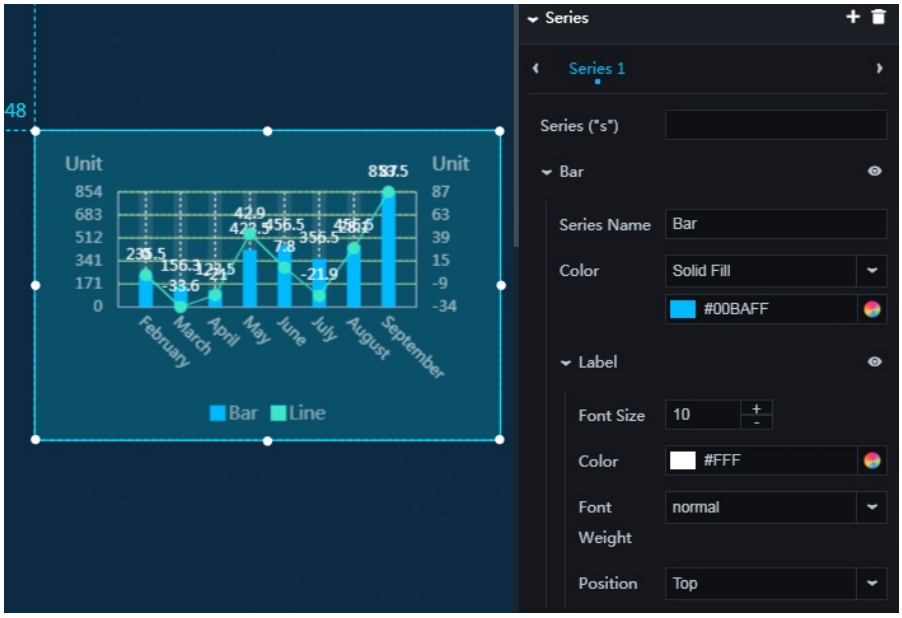
- **Legend**: To display the legend items, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the legend text.
  - **Font Color**: The font color of the legend text.
  - **Font Weight**: The font weight of the legend text.

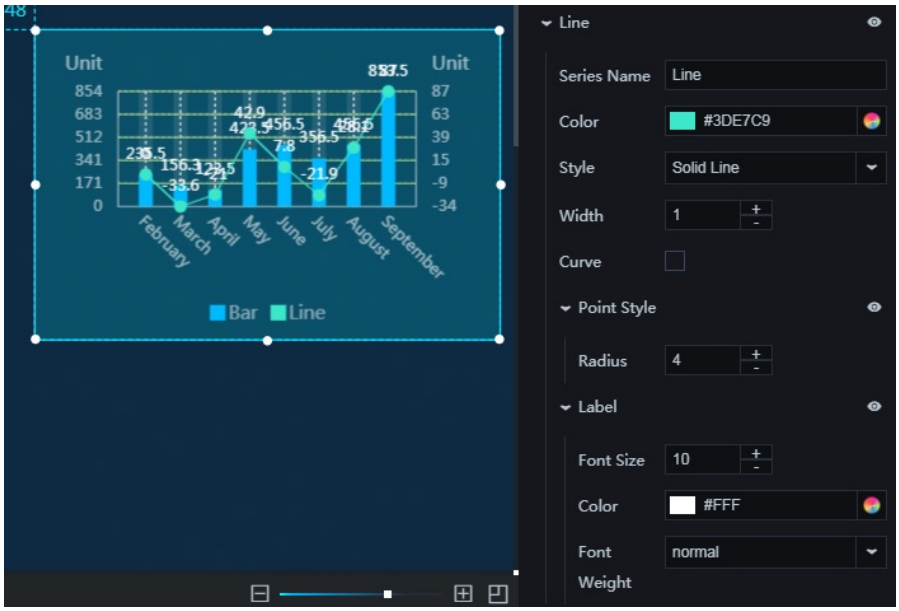
- **Layout**
  - **Margin**
    - **Horizontal Interval**: The horizontal spacing between two legend items. This parameter is available only if the chart has multiple series of data.
    - **Vertical Interval**: The spacing between the legend items and the top border of the chart, and the spacing between the legend items and the bottom border of the chart.
  - **Position**: Optional. The position of the legend items.

- **Series**: To add or delete a series, click **+** or click the **Trash** icon.



  - **Series**: The value of a series. This value corresponds to the s field in the **Data** plane.
  - **Bar**
    - **Series Name**: The name of a series. You can set a name for the series as needed. If the value of the s field is displayed as the series name, leave the **Series Name** parameter unspecified.
    - **Color**: The fill color type of a series. The available options are *Solid Fill* and *Gradient Fill*.
    - **Label**: The style of each label on the columns.
      - **Font Size**: The font size of the label text.
      - **Color**: The font color of the label text.
      - **Font Weight**: The font weight of the label text.
      - **Position**: The position of the label text. The available options are *Top*, *Middle*, and *Bottom*.

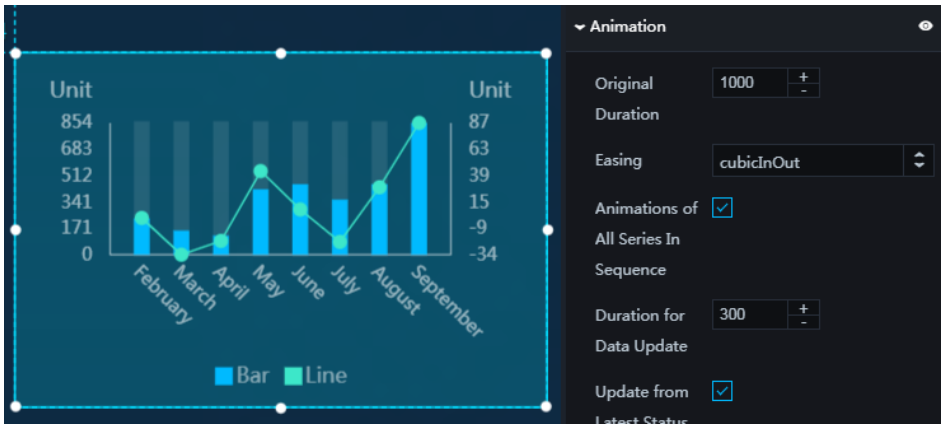
- **Line**: The style of the line. To display the line, click the **Eye** icon.



> **Notice** The line is displayed only when the z field has a value.

  - **Series Name**: The name of a series. You can set a name for the series as needed. If the value of the s field is displayed as the series name, leave the **Series Name** parameter unspecified.
  - **Color**: The fill color type of a series. The available options are *Solid Fill* and *Gradient Fill*.
  - **Style**: The line style. The available options are *Solid Line* and *Dotted Line*.
  - **Width**: The line width.
  - **Curve**: If you select this check box, the line is displayed as a curve.
  - **Point Style**: The style of the points along the line. To display the point style option, click the **Eye** icon.
    - **Radius**: The radius of the points. The unit is pixels.
  - **Label**: The labels along the line. To display the label option, click the **Eye** icon.
    - **Font Size**: The font size of the label text along the line.
    - **Color**: The font color of the label text along the line.
    - **Font Weight**: The font weight of the label text along the line.

- **Animation**: The animation of the line column chart. To display the animation option, click the **Eye** icon.



  - **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
  - **Easing**: The animation easing. You can select an easing effect as needed.
  - **Animations of All Series In Sequence**: If you select this check box, the animations of all columns in the chart are displayed in a sequence. If you clear this check box, the animations of all columns in the chart are displayed at the same time.

- **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.
- **Update from Latest Status**: If you select this check box, the animation begins from the column where the data is updated. If you clear this check box, the animation begins from the bottom of the x-axis.

Data

The JSON example in the preceding figure is as follows:

```
[
  {
    "x": "February",
    "y": "235.5",
    "z": "0"
  },
  {
    "x": "March",
    "y": "156.3",
    "z": "-33.6"
  },
  {
    "x": "April",
    "y": "123.5",
    "z": "-21"
  },
  {
    "x": "May",
    "y": "423.5",
    "z": "42.9"
  },
  {
    "x": "June",
    "y": "456.5",
    "z": "7.8"
  },
  {
    "x": "July",
    "y": "356.5",
    "z": "-21.9"
  },
  {
    "x": "August",
    "y": "456.5",
    "z": "28.1"
  },
  {
    "x": "September",
    "y": "853.5",
    "z": "87"
  }
]
```

- x: The category text of each column.
- y: The actual data value of each column.
- z: The actual data value along the line.
- s: Optional. The series value.

Interaction

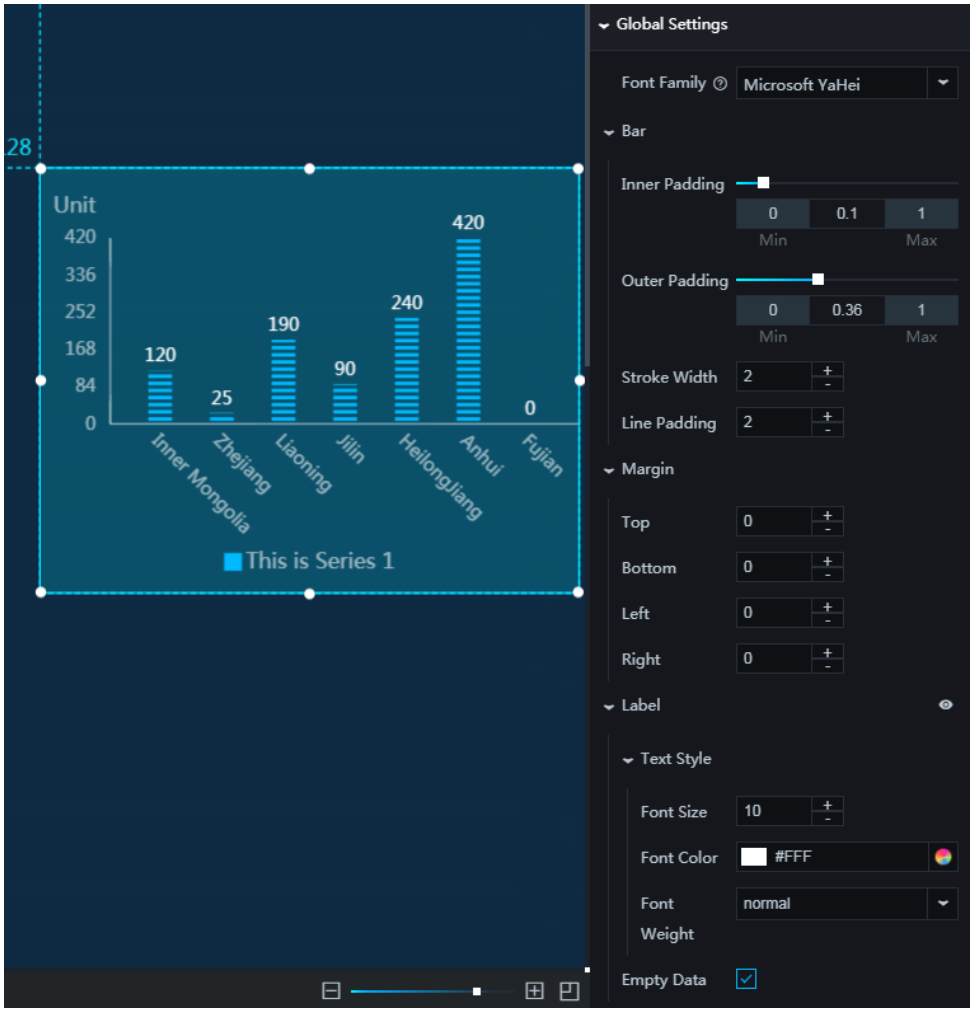
This widget is not connected to any events yet.

2.6. The Dot Column Chart widget

This topic describes the configuration items of the Dot Column Chart widget and how to use this widget. You can customize y-axis values as needed, and set data series to display differences between data categories.

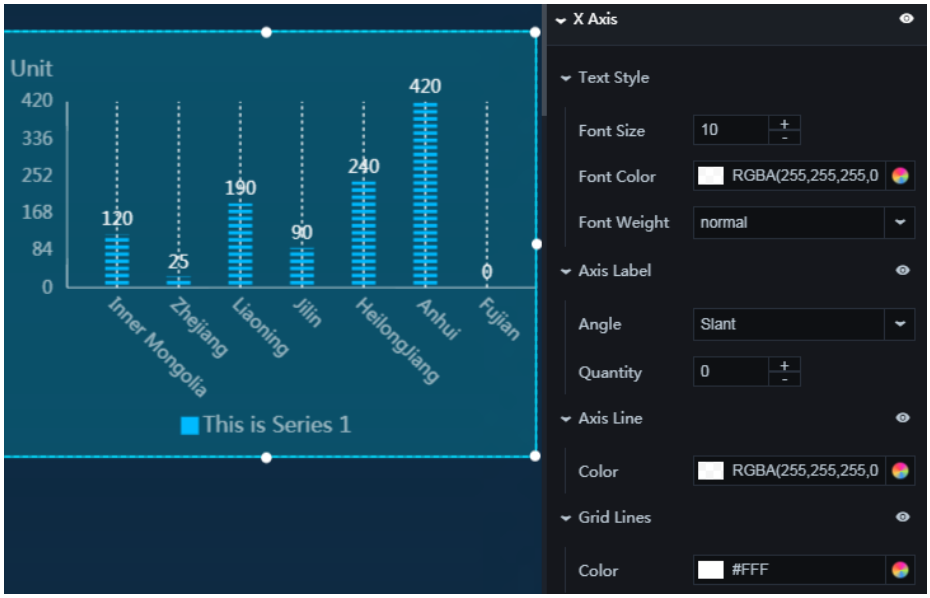
Settings

-
- **Global Settings**



- **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.
- **Bar**
  - **Inner Padding**: The horizontal spacing between the columns. The value range is from 0 to 1.
  - **Outer Padding**: The spacing between the leftmost column and the y-axis, and the spacing between the rightmost column and the right border. The value range is from 0 to 1.
  - **Stroke Width**: The width of each stroke.
  - **Line Padding**: The spacing between the strokes.
- **Margin**
  - **Top**: The spacing between the column chart and the top border.
  - **Bottom**: The spacing between the column chart and the bottom border.
  - **Left**: The spacing between the column chart and the left border.
  - **Right**: The spacing between the column chart and the right border.
- **Label**: To display the labels, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: The font size of the label text.
    - **Font Color**: The font color of the label text.
    - **Font Weight**: The font weight of the label text.
  - **Empty Data**: If you select this check box, 0 is displayed when the y-axis has no data.

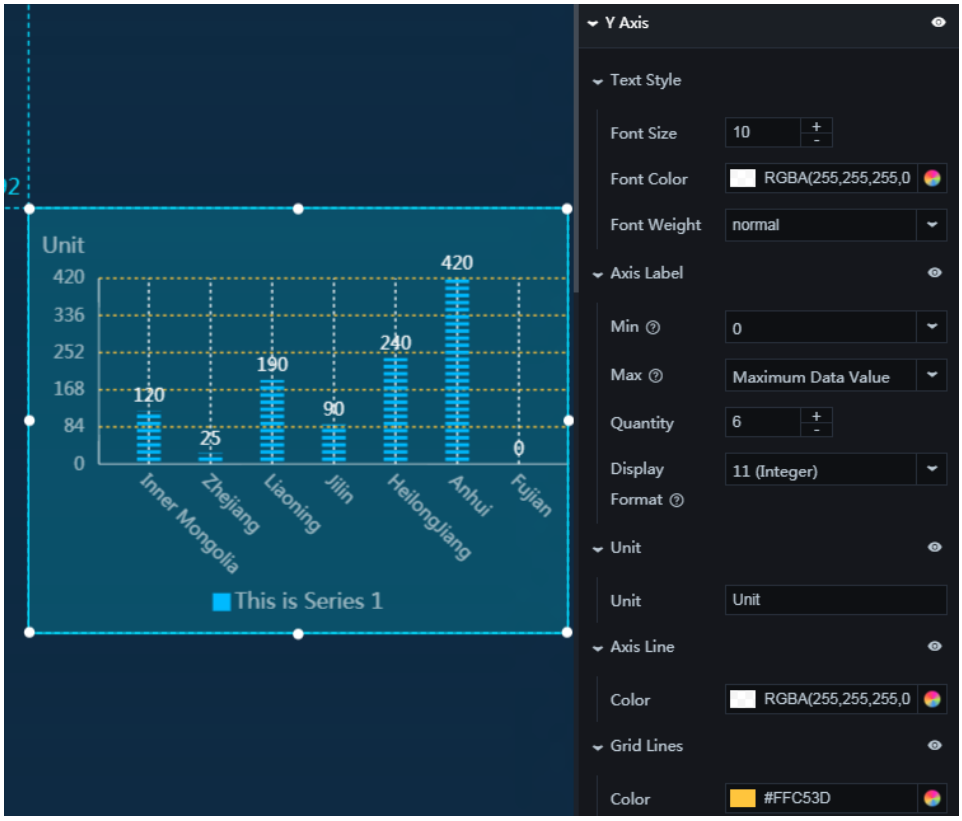
- **X Axis**: The style of the x-axis. To display the x-axis, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the text along the x-axis.
  - **Font Color**: The font color of the text along the x-axis.
  - **Font Weight**: The font weight of the text along the x-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Angle**: The angle of the axis labels along the x-axis. The available options are *Horizontal*, *Slant*, and *Vertical*.
  - **Quantity**: The number of axis labels along the x-axis.

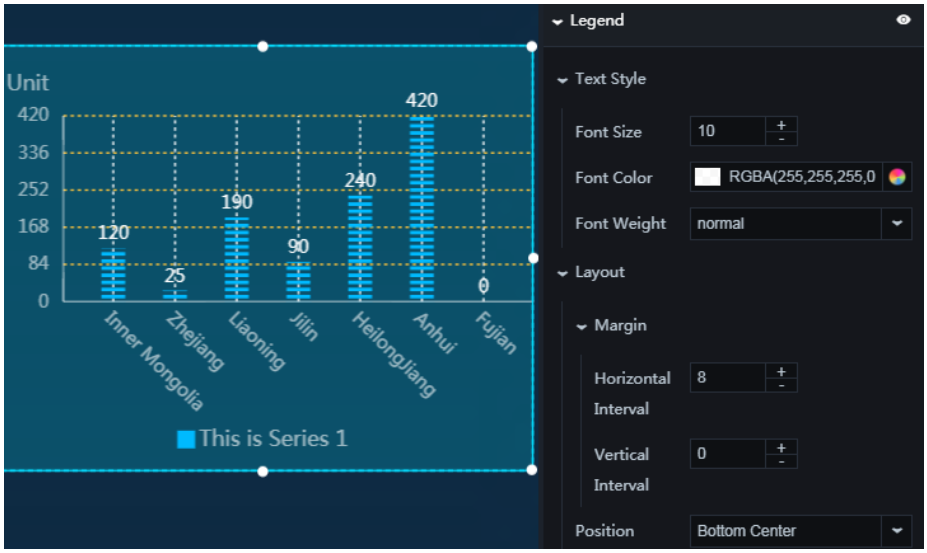
    > **Note** If you set the **Quantity** field to 0, the axis labels are automatically displayed according to the number of data entries and the number of the columns.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Y Axis**: The style of the y-axis. To display the y-axis, click the **Eye** icon.



- **Text Style**
  - **Font Size**: The font size of the text along the y-axis.
  - **Font Color**: The font color of the text along the y-axis.
  - **Font Weight**: The font weight of the text along the y-axis.
- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Min**: The format of the minimum value along the y-axis.
    - *Minimum Data Value*: If you select this option, the minimum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, minimum value, and number of axis labels.
  - **Max**: The format of the maximum value along the y-axis.
    - *Maximum Data Value*: If you select this option, the maximum value is used.
    - *Automatic Rounding*: If you select this option, the system calculates the value according to the maximum value, the minimum value, and the number of axis labels.
  - **Quantity**: The number of axis labels along the y-axis.
  - **Display Format**: The display format of the axis labels. You can customize the display format or select a format as needed. If you select *Auto*, the default format is displayed.
- **Unit**: The unit of the label text along the y-axis. To display the unit option, click the **Eye** icon.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: The color of the axis line.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: The color of the grid lines.

- **Legend**: To display the legend items, click the **Eye** icon.

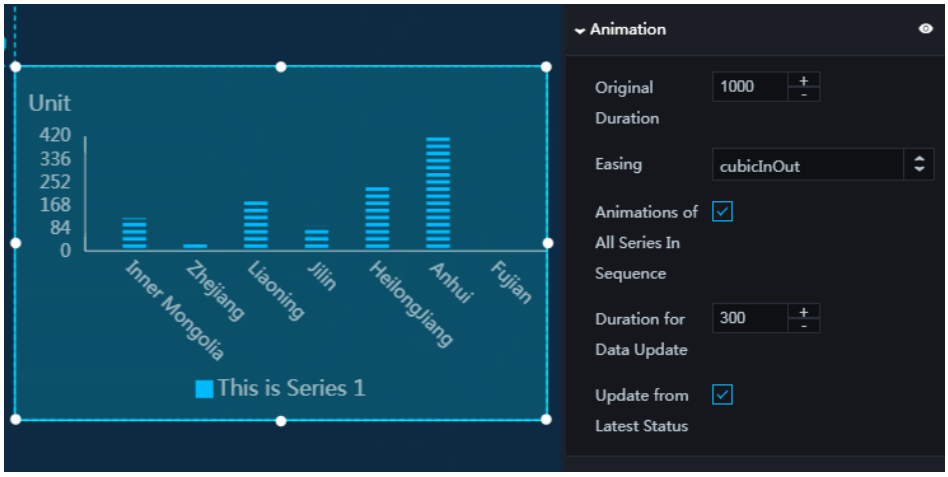


- **Text Style**
  - **Font Size**: The font size of the legend text.
  - **Font Color**: The font color of the legend text.
  - **Font Weight**: The font weight of the legend text.
- **Layout**: The layout of the legend items.
  - **Margin**
    - **Horizontal Interval**: The horizontal spacing between two legend items. This parameter is available only if the chart has multiple series of data.
    - **Vertical Interval**: The spacing between the legend items and the top border of the chart, and the spacing between the legend items and the bottom border of the chart.
  - **Position**: Optional. The position of the legend items.

- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

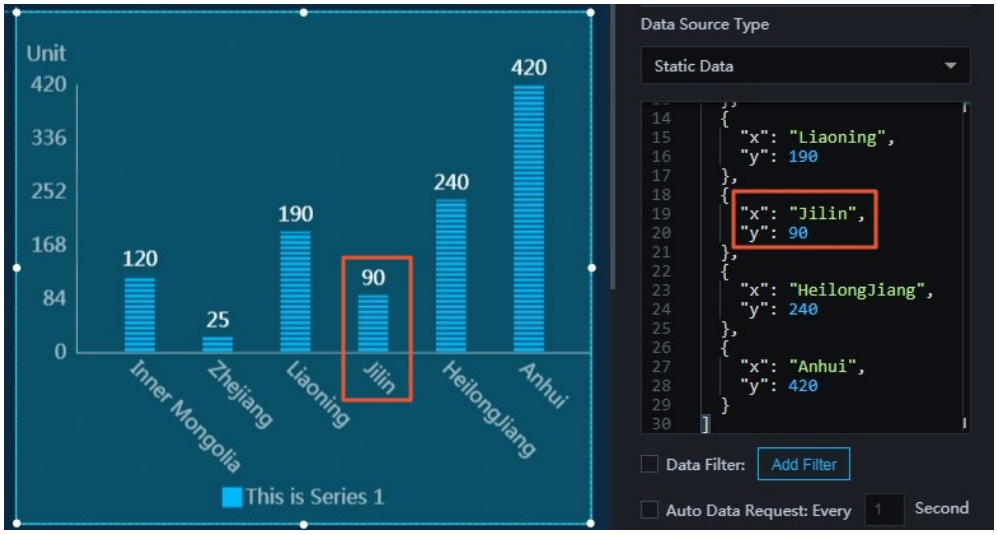
- **Series Name**: You can set a name for the series as needed. If the series does not have a name, the value of s is automatically displayed as the series name. If the series has a name, make sure that the data is displayed in the correct order. For more information about how to configure a data series, see Frequently asked questions (User self-check process).
- **Color**: The fill color type of a series. The available options are *Solid Fill* and *Gradient Fill*.

- **Animation**: The animation of the columns. To display the animation option, click the **Eye** icon.



- **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
- **Easing**: The animation easing. You can select an easing effect as needed.
- **Animations of All Series In Sequence**: If you select this check box, the animations of all columns in the chart are displayed in sequence. If you clear this check box, the animations of all columns in the chart are displayed at the same time.
- **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.
- **Update from Latest Status**: If you select this check box, the animation begins from the column where the data is updated. If you clear this check box, the animation begins from the bottom of the x-axis.

Data



The JSON example in the preceding figure is as follows:

```
[
  {
    "x": "Inner Mongolia",
    "y": 120
  },
  {
    "x": "Zhejiang",
    "y": 200
  },
  {
    "x": "Liaoning",
    "y": 25
  },
  {
    "x": "Jilin",
    "y": 190
  },
  {
    "x": "Heilongjiang",
    "y": 90
  },
  {
    "x": "Anhui",
    "y": 240
  },
  {
    "x": "Fujian",
    "y": 420
  }
]
```

- x: The category text of each column.
- y: The actual data value of each column.
- s: Optional. The series value.

Interaction

This widget is not connected to any events yet.

2.7. The Arc Bar Chart widget

This topic describes the configuration items of the Arc Bar Chart widget and how to use this widget. This widget can be used to display differences between data on a project.

Settings

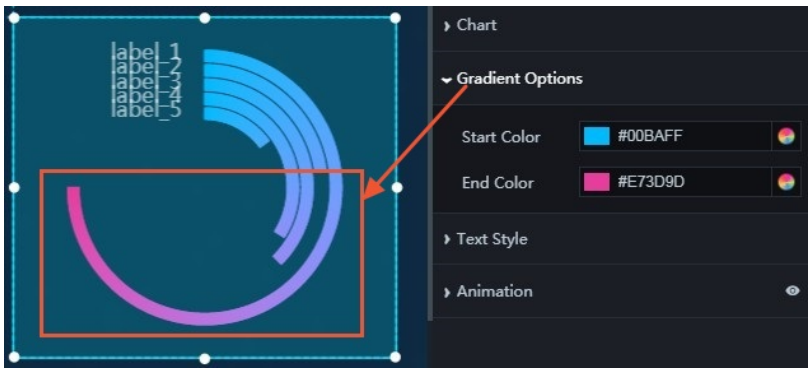
-
- **Chart**: The style of the arcs in the chart.

- **Inner Radius**: The distance between the center point and the inner arc. The value ranges from 0 to 1.
- **Outer Radius**: The distance between the center point and the outer arc. The value ranges from 0 to 1.
- **Arc Number**: The number of arcs in the chart.

  > **Note** If the number of arcs is greater than that of the data types, the excessive arc or arcs will be displayed transparently.

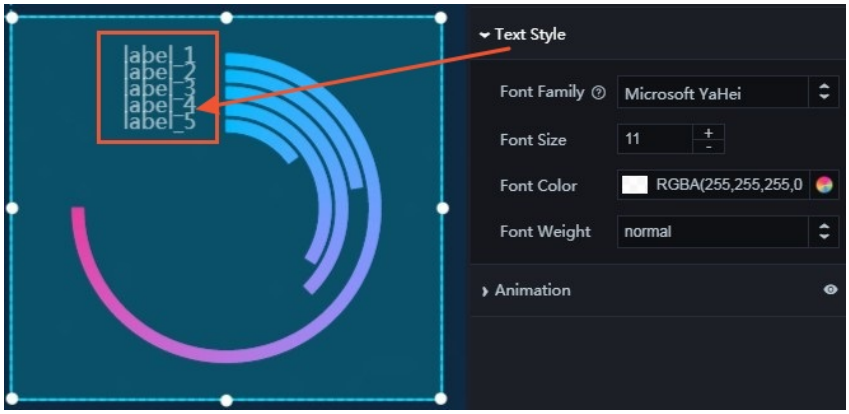
- **Radius Padding**: The spacing between the arcs. The unit is pixels.
- **Max Angle**: The maximum length of the outer arc. If the value is *360*, the outer arc becomes a circle.
- **Text Padding**: The horizontal spacing between the text and the starting points of the arcs. The unit is pixels.

- **Gradient Options**: The color style of the arcs in the chart.



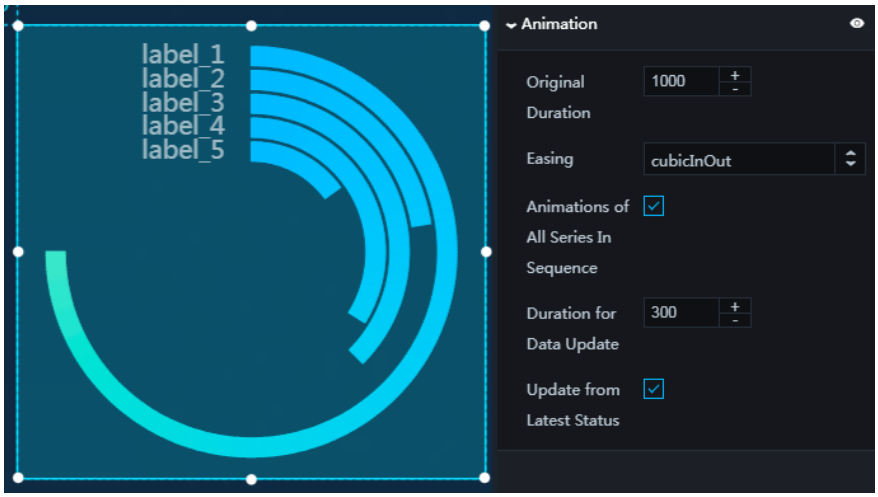
  - **Start Color**: The start color of the arcs. For information about how to set the color, see Color picker.
  - **End Color**: The end color of the outer arc.

- **Text Style**: The style of text in the chart.



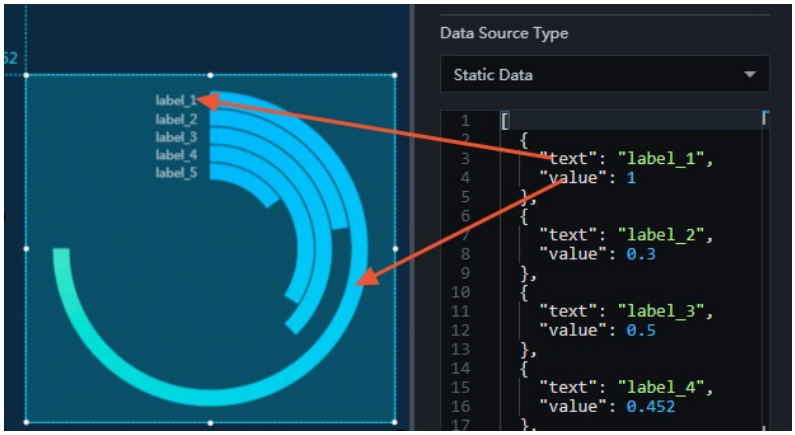
- **Font Family**: The font of the displayed text. The default font is **Microsoft YaHei**.
- **Font Size**: The font size of the displayed text.
- **Font Color**: The font color of the displayed text.
- **Font Weight**: The font weight of the displayed text.

- **Animation**: The animation of the arcs. To display the animation option, click the **Eye** icon.



- **Original Duration**: The period of time needed for the first time the widget renders the animation. The unit is milliseconds.
- **Easing**: The animation easing. You can select an easing effect as needed.
- **Animations of All Series In Sequence**: If you select this check box, the animations of all arcs in the chart are displayed in a sequence. If you clear this check box, the animations of all arcs in the chart are displayed at the same time.
- **Duration for Data Update**: The period of time needed for the widget to render the animation after data is updated. The unit is milliseconds.
- **Update from Latest Status**: If you select this check box, the animation begins from the arc where the data is updated. If you clear this check box, the animation begins from the starting point.

Data



The JSON example in the preceding figure is as follows:

```
[
  {
    "text": "label_1",
    "value": 1
  },
  {
    "text": "label_2",
    "value": 0.3
  },
  {
    "text": "label_3",
    "value": 0.5
  },
  {
    "text": "label_4",
    "value": 0.452
  },
  {
    "text": "label_5",
    "value": 0.2
  }
]
```

- text: The text corresponding to an arc.
- value: The decimal number that corresponds to a percentage value. The maximum value is 1. You can change the percentage by setting the **Max Angle** under the **Chart** configuration item on the **Settings** plane.

Interaction

This widget is not connected to any events yet.

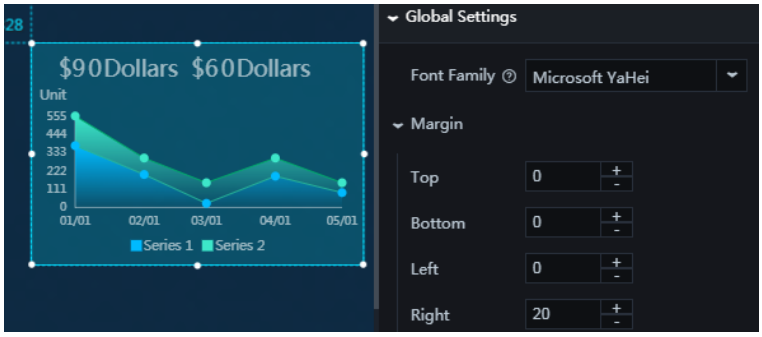
3.Line charts

3.1. Area chart with ticker board

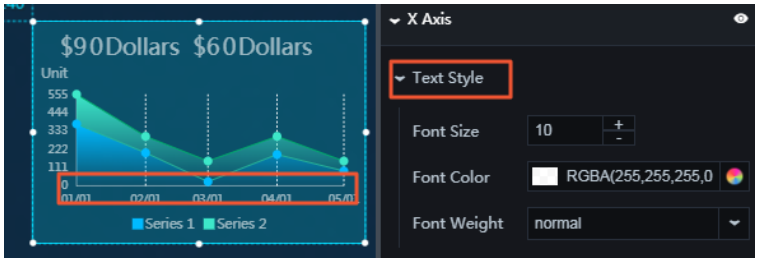
The widget of area chart with ticker board allows you to customize the ticker board style, the display of different series of data, and other options as needed.

Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Margin**: Spacing between the chart and the chart borders. The unit is pixels.



- **X Axis**: To display the x-axis, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the text along the x-axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the x-axis, see Color picker.
    - **Font Weight**: To change the font weight of the text along the x-axis, click the drop-down arrow and select the target font weight.



- **Axis Label**: To display the axis labels, click the **Eye** icon.

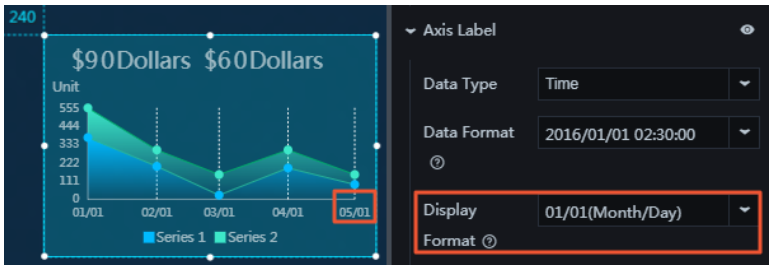
> **Note** An error will be displayed if the data format differs from the data format set for the x field in the data pane.

  - **Data Type**: To set the type of data along the x-axis, click the drop-down arrow and select the target type.
    - Numeric
    - Category
    - Time
  - **Data Format**: To set the format of the data, click the drop-down arrow and select the target format.

> **Note** The following is an example: %Y/%m/%d%H:%M:%S.

- **Display Format**: To set the display format of the data, click the drop-down arrow and select the target format.

  > Note Time format: %m/%d%Y%H:%M:%S; integer format: d; floating-point number: .1f.



- **Margin**: If you select this option, spacing 1 (spacing between the chart and the y-axis) and spacing 2 (spacing between the chart and the right border of the chart) are displayed. If you clear this option, spacing 1 and spacing 2 are not displayed.
- **Margin Size** : To adjust spacing 1 and spacing 2, enter a value or drag the slider. The value range is from 0 to 1.

- **Min/Max**: You can set the minimum and maximum values along the x-axis as needed.
- **Unit**: You can customize the unit of the text along the x-axis as needed.
- **Quantity**: To change the number of labels along the x-axis, enter a value, or click **+** or **-**.
- **Angle**: To set the angle of the labels along the x-axis, click the drop-down arrow and select the target angle. The options include horizontal, slant, and vertical.

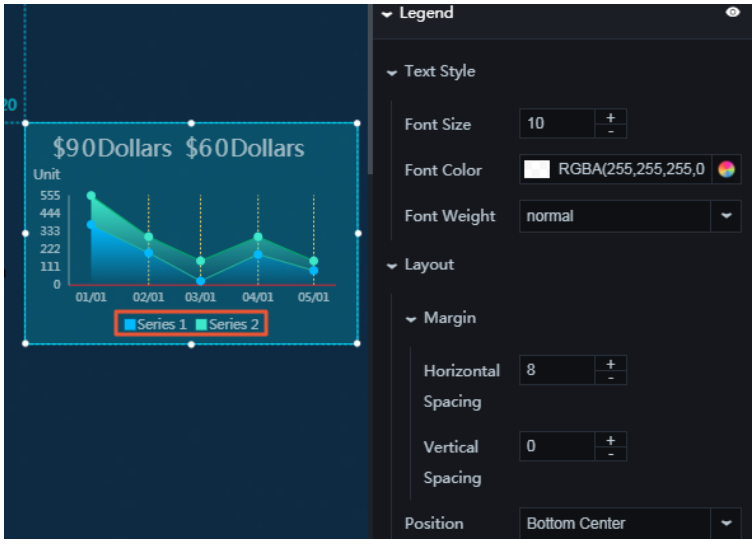
- **Axis Line**: To display the axis line, click the **Eye** icon. To change the color of the axis line, see Color picker.
- **Grid Lines**: To display the grid lines, click the **Eye** icon. To change the color of the grid lines, see Color picker.

- **Y Axis**

  For more information about how to set the y-axis, see X Axis.

- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To change the font weight of the legend text, click the drop-down arrow and select the target font weight.

- **Layout**
  - **Margin**
    - **Horizontal Spacing**: To adjust spacing 1 (spacing between the legend items and the right border of the chart) and spacing 2 (spacing between the legend items and the left border of the chart), enter a value, or click **+** or **-**.
    - **Vertical Spacing**: To adjust spacing 1 (spacing between the legend items and the top border of the chart) and spacing 2 (spacing between the legend items and the bottom border of the chart), enter a value, or click **+** or **-**.
  - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.
    - Top center
    - Top left
    - Top right
    - Bottom center
    - Bottom left
    - Bottom right

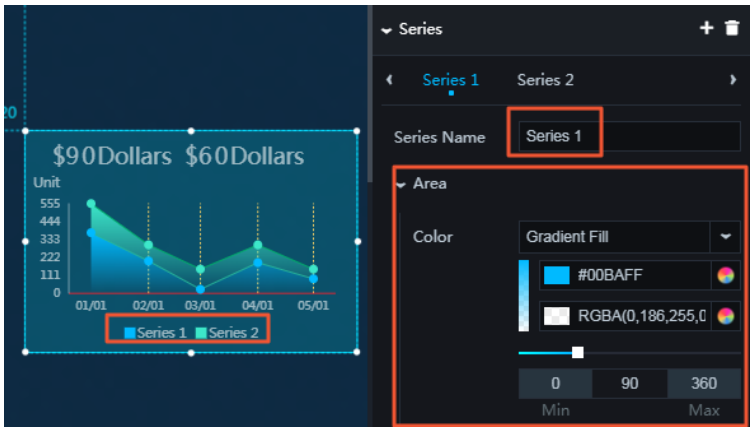


- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

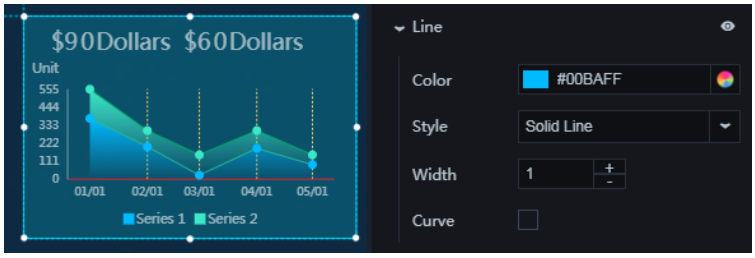
> **Note** A series is an array. You can set two or more series as needed, and the Editor traverses and renders the data through the series settings. To set data in a specific format, sort the data manually.

  - **Series Name**: You can set a name for the series as needed. If the series does not have a name, the value of the s field is displayed as the series name. If the s field does not exist, the value null is used.

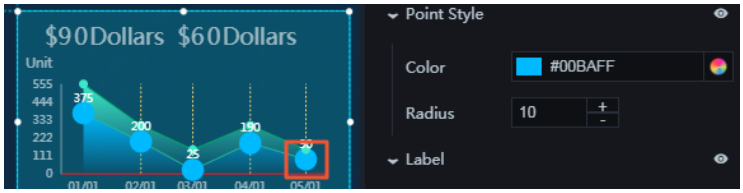
- **Area**
  - **Color**: To set the fill color type, click the drop-down arrow and select the target type.
    - Solid fill
    - Gradient fill
      - You can select two colors as the gradient colors.
      - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.



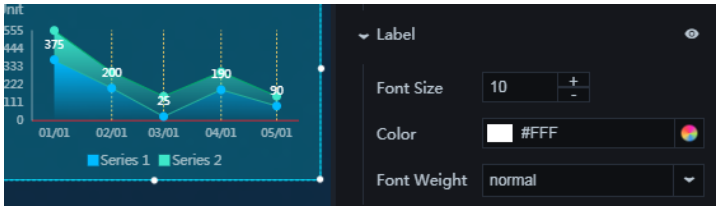
- **Line**
  - **Color**: To change the line color, see Color picker.
  - **Style**: To change the line style, click the drop-down arrow and select the target style.
    - Solid line
    - Dotted line
  - **Width**: To change the line width, enter a value, or click + or -.
  - **Curve**: If you select this option, the line is displayed as a curve. If you clear this option, the line is displayed as a straight line.



- **Point Style**: To display the point style, click the **Eye** icon.
  - **Color**: To change the point color of the line, see Color picker.
  - **Radius**: To change the point radius, enter a value, or click + or -.



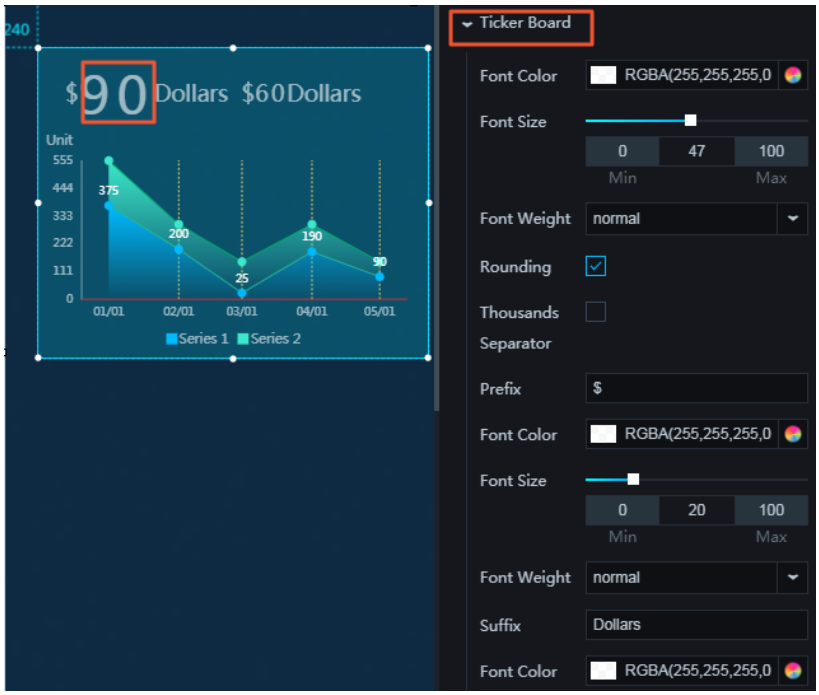
- **Label**: To display the labels, click the **Eye** icon.
  - **Font Size**: To change the font size of the label text, enter a value, or click **+** or **-**.
  - **Color**: To change the font color of the label text, see Color picker.
  - **Font Weight**: To change the font weight of the label text, click the drop-down arrow and select the target font weight.



- **Ticker Board**

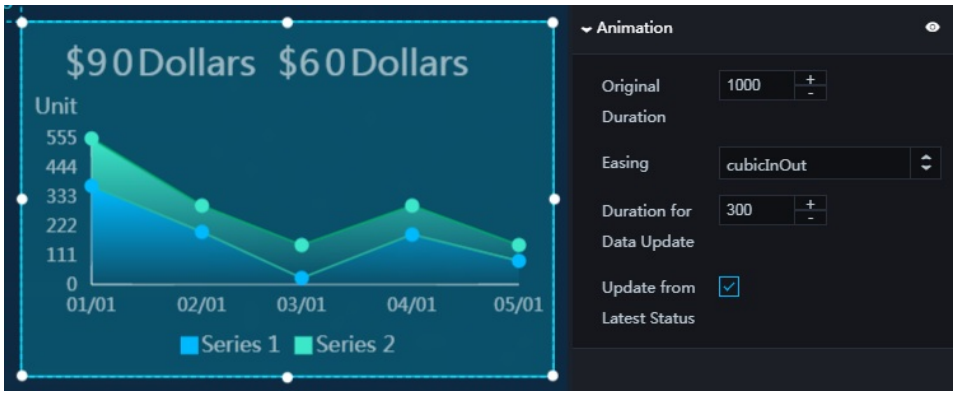
> **Note** By default, the data displayed on the ticker board is the last data that corresponds to the y-axis.

  - **Font Color**: To change the font color of the data displayed on the ticker board, see Color picker.
  - **Font Size**: To change the font size of the data displayed on the ticker board, enter a value or drag the slider. The value range is from 0 to 100.
  - **Font Weight**: To change the font weight of the data displayed on the ticker board, click the drop-down arrow and select the target font weight.
  - **Rounding**: If you select this option, the data value is automatically rounded. If you clear this option, the data value is not rounded.
  - **Thousands Separator**: If you select this option, a thousands separator is inserted. If you clear this option, no thousands separator is inserted.
  - **Prefix**: You can customize the prefix as needed.
  - **Font Color**: To change the font color of the prefix, Color picker.
  - **Font Size**: To change the font size of the prefix, enter a value or drag the slider. The value range is from 0 to 100.
  - **Font Weight**: To change the font weight of the prefix, click the drop-down arrow and select the target font weight.
  - **Suffix**: For more information about how to set the suffix, see Prefix.



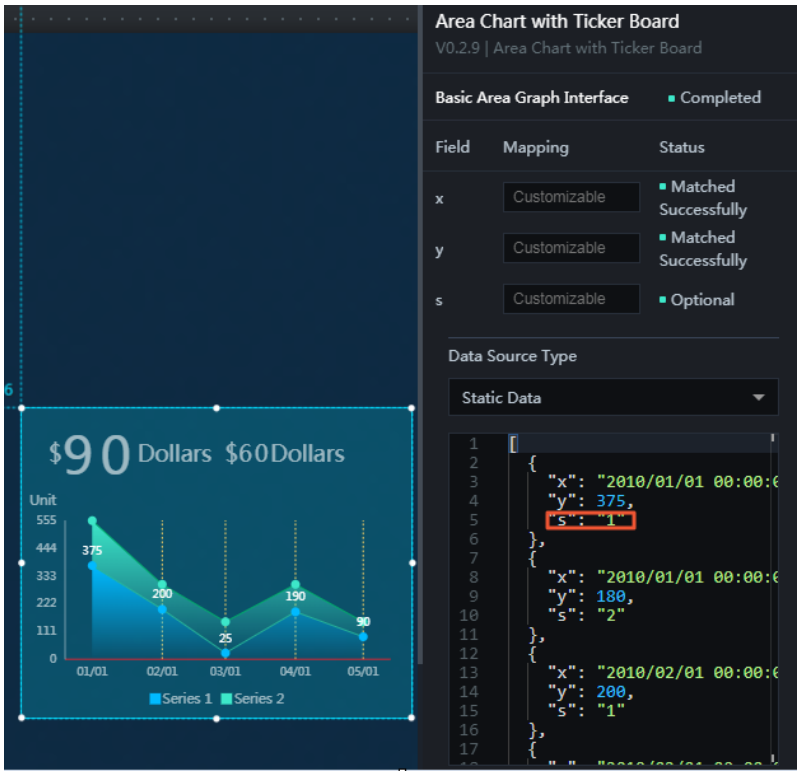
- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.

- **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click + or –. The unit is milliseconds.
- **Update from Latest Status**: If you select this option, the animation begins from the point where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- x: data along the x-axis. The value of this field must be in the same format as the label text along the x-axis.
- y: data along the y-axis
- s: (optional) series value. If the **Series Name** field in Series does not have a value, the value of the s field is displayed as the series name.



Interaction

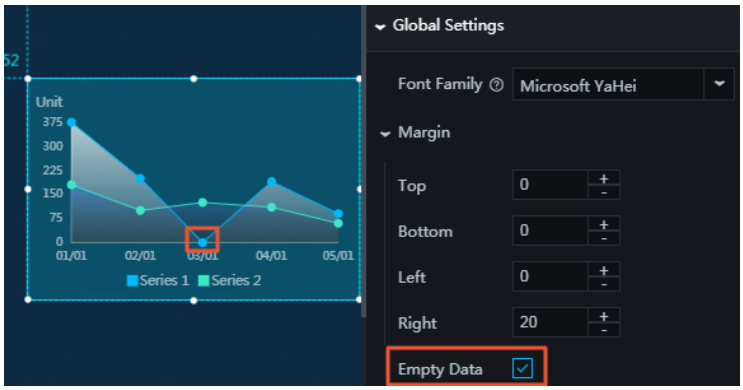
This widget is not connected to any events yet.

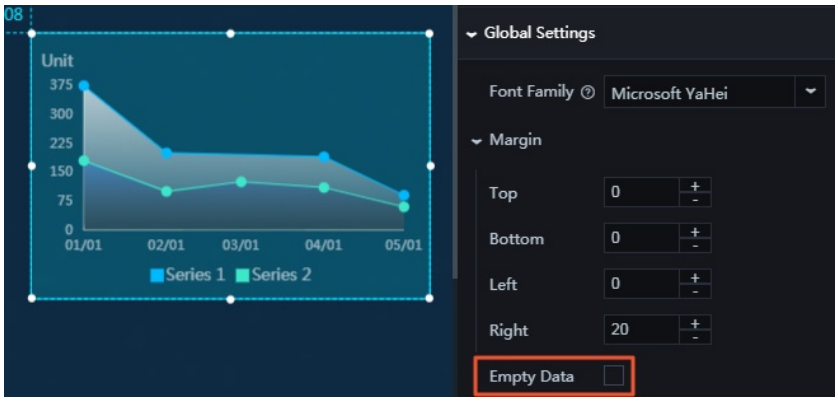
3.2. Basic line chart

The basic line chart widget allows you to customize the chart style, the display of different series of data, and other options as needed.

Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, select the target font from the drop-down list. The default font is **Microsoft YaHei**.
  - **Margin**: Spacing between the chart and the chart borders. The unit is pixels.
  - **Empty Data**: If you select this check box, the line and the x-axis intersect at the point where the value corresponding to the y-axis is 0. If you clear this check box, the line and the x-axis do not intersect at the point where the value corresponding to the y-axis is 0.





- **X Axis**: To display the x-axis, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the text along the x-axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the x-axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the x-axis, select the target font weight from the drop-down list.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.

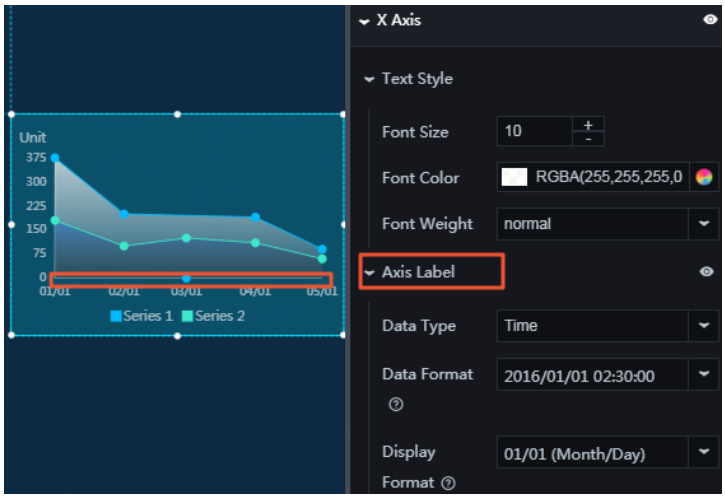
    > **Note** An error will be displayed if the data format differs from the data format set for the x field in the data pane.

    - **Data Type**: To set the data type along the x-axis, select the target type from the drop-down list.
      - Numeric
      - Category
      - Time
    - **Data Format**: To set the format of the data, select the target format from the drop-down list.

      > **Note** The following is an example: %Y/%m/%d%H:%M:%S.

- **Display Format**: To set the display format of the data, select the target format from the drop-down list.

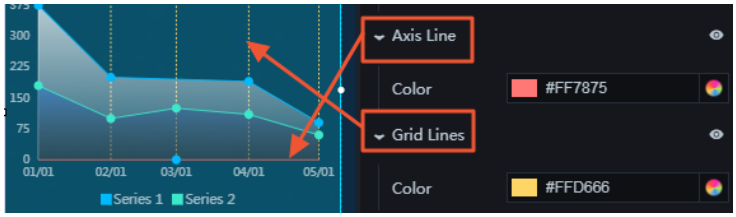
  > **Note** Time format: %m/%d%Y%H:%M:%S; integer format: d; floating-point number: .1f.



- **Margin**: If you select this check box, spacing 1 (spacing between the chart and the y-axis) and spacing 2 (spacing between the chart and the right border of the chart) are displayed. If you clear this check box, spacing 1 and spacing 2 are not displayed.
- **Margin Size**: To adjust spacing 1 and spacing 2, enter a value or drag the slider. The value range is from 0 to 1.

- **Min/Max**: You can set the minimum and maximum values along the x-axis as needed.
- **Offset**: To adjust the spacing between the labels along the x-axis, enter a value, or click + or -.
- **Unit**: You can customize the unit of the text along the x-axis as needed.
- **Quantity**: To change the number of x-axis labels, enter a value, or click + or -.
- **Angle**: To set the angle of the x-axis labels, select the target angle from the drop-down list. The options include horizontal, slant, and vertical.

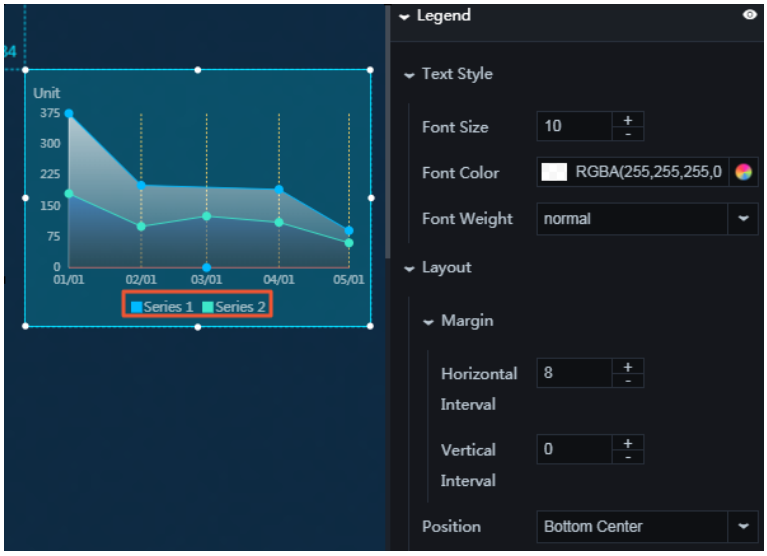
- **Axis Line**: To display the axis line, click the **Eye** icon. To change the color of the axis line, see Color picker.
- **Grid Lines**: To display the grid lines, click the **Eye** icon. To change the color of the grid lines, see Color picker.



- **Y Axis**

  For more information about how to set the y-axis, see X Axis.

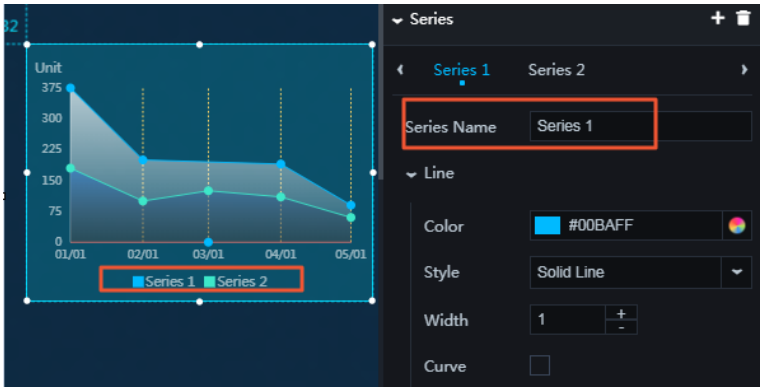
- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, select the target font weight from the drop-down list.
  - **Layout**
    - **Margin**
      - **Horizontal Interval**: To adjust spacing 1 (spacing between the legend items and the right border of the chart) and spacing 2 (spacing between the legend items and the left border of the chart), enter a value, or click **+** or **-**. The setting takes effect only when two or more series are set.
      - **Vertical Interval**: To adjust spacing 1 (spacing between the legend items and the top border of the chart) and spacing 2 (spacing between the legend items and the bottom border of the chart), enter a value, or click **+** or **-**.
    - **Position**: To set the position of the legend items, select the target position from the drop-down list.
      - Top center
      - Top left
      - Top right
      - Bottom center
      - Bottom left
      - Bottom right



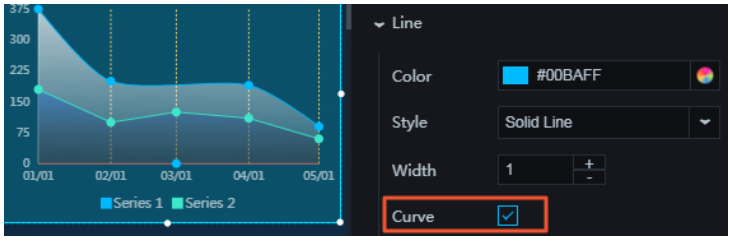
- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

> **Note** A series is an array. You can set two or more series as needed, and the Editor traverses and renders the data through the series settings. To set data in a specific format, sort the data manually.

- **Series Name**: You can set a name for the series as needed. If the series does not have a name, the value of the s field is displayed as the series name. If the s field does not exist, the value null is used.

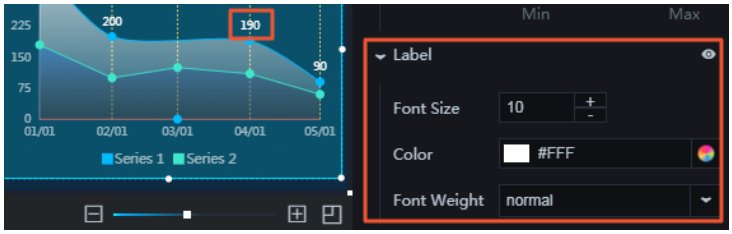


- **Line**
  - **Color**: To change the line color, see Color picker.
  - **Style**: To set the line style, select the target style from the drop-down list.
    - Solid line
    - Dotted line
  - **Width**: To change the line width, enter a value, or click + or -.
  - **Curve**: If you select this check box, the line is displayed as a curve. If you clear this check box, the line is displayed as a straight line.



- **Point Style**: To display the point style, click the **Eye** icon.
  - **Color**: To change the point color of the line, see Color picker.
  - **Radius**: To change the point radius, enter a value, or click + or -.
- **Area**: To set the fill color type, select the target type from the drop-down list.
  - Solid fill
  - Gradient fill
    - You can select two colors as the gradient colors.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.

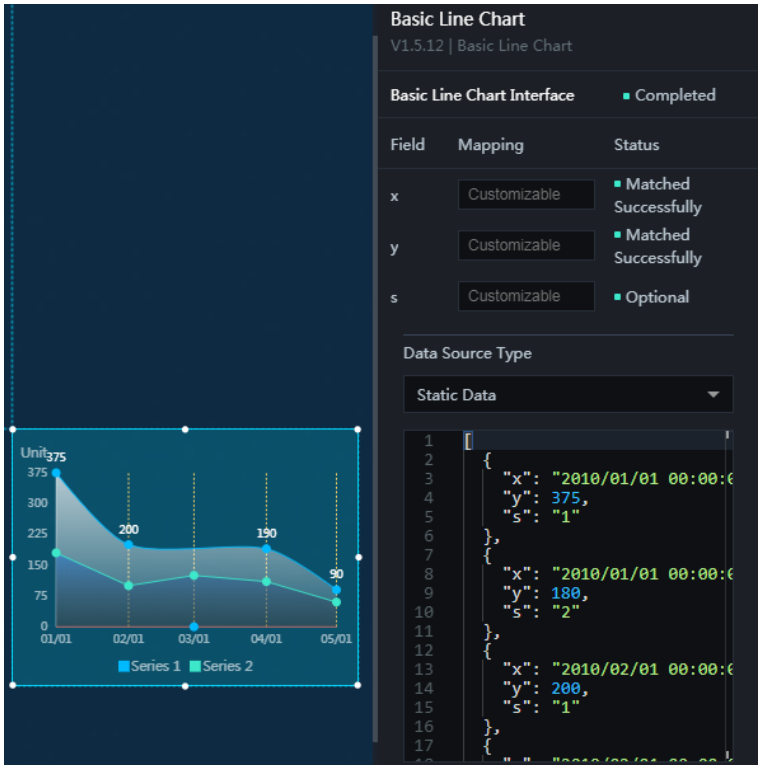
- **Label**: To display the labels, click the **Eye** icon.
  - **Font Size**: To change the font size of the label text, enter a value, or click **+** or **-**.
  - **Color**: To change the font color of the label text, see Color picker.
  - **Font Weight**: To set the font weight of the label text, select the target font weight from the drop-down list.



- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, select the target effect from the drop-down list.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Update from Latest Status**: If you select this check box, the animation begins from the point where the data has changed. If you clear this check box, the animation begins from the starting point.

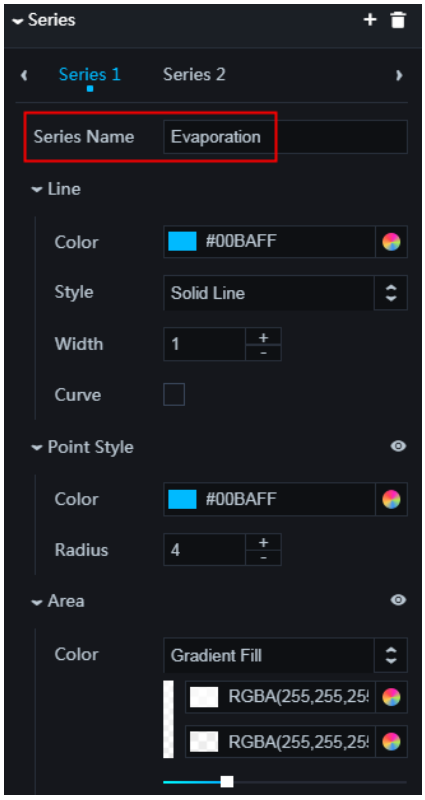
Data

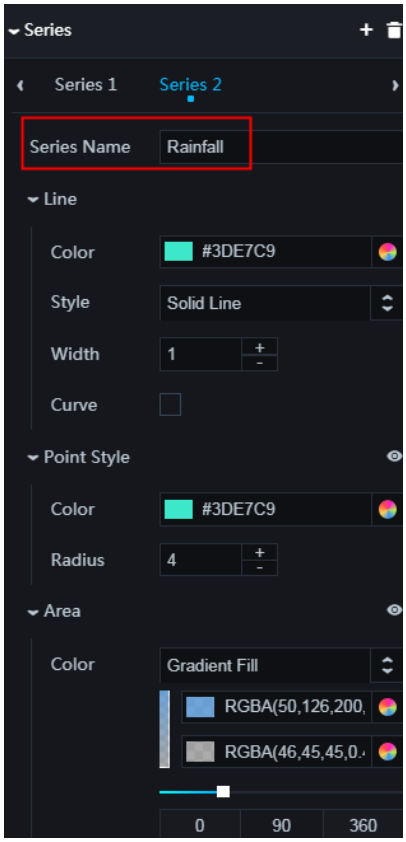
- x: data along the x-axis. The value of this field must be in the same format as the label text along the x-axis.
- y: data along the y-axis
- s: (optional) series value. If the Series Name field in **Series** does not have a value, the value of the s field is displayed as the series name.



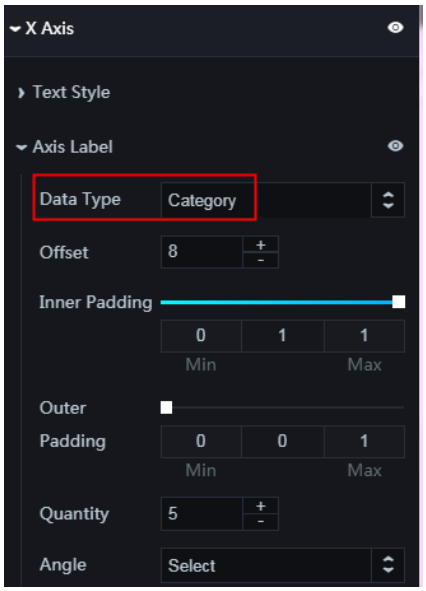
Example: The following example describes how to configure the monthly evaporation and rainfall data obtained from January to July:

1. In the **Series** area, click **Series 1** and set **Series Name** to Evaporation. Click **Series 2** and set **Series Name** to Rainfall, as shown in the following figures.

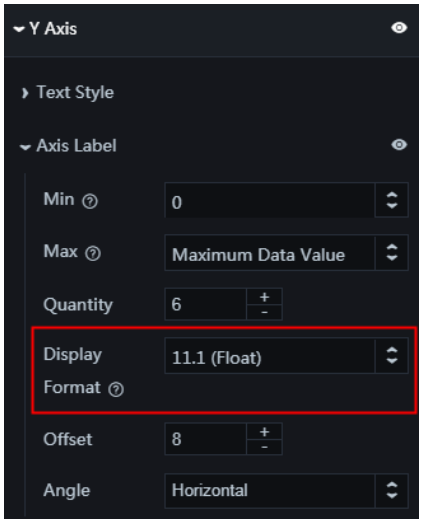




2. Set the type of data along the x-axis, as shown in the following figure.

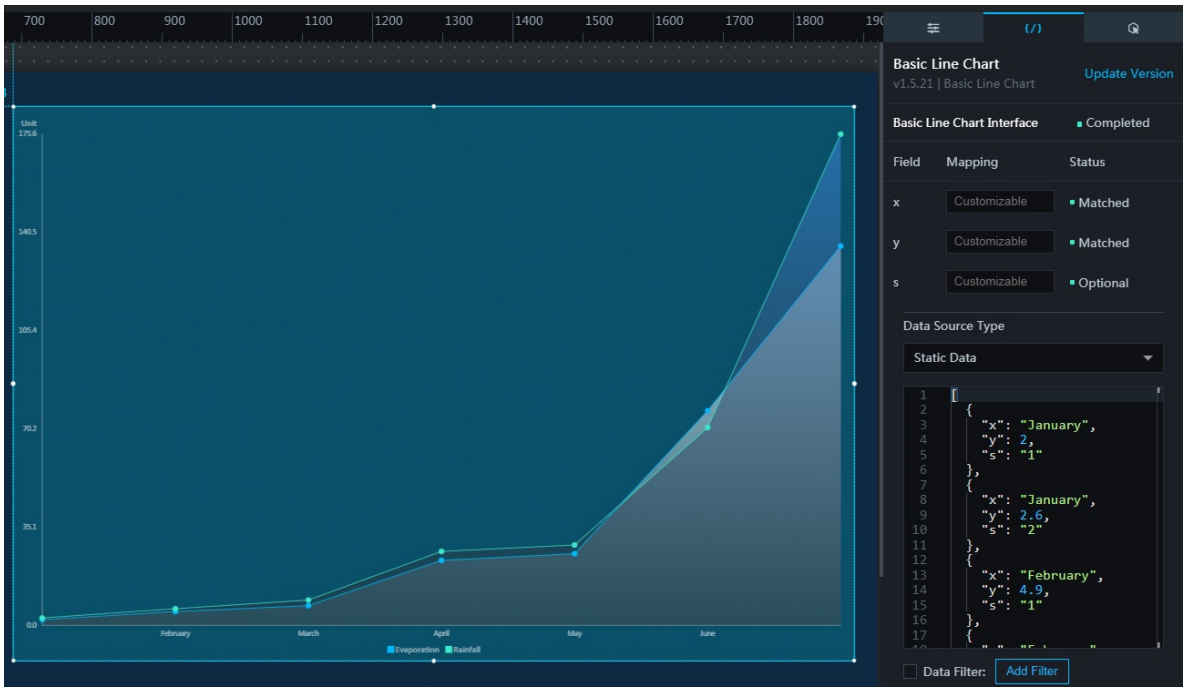


3. Set the display format of data along the y-axis, as shown in the following figure.



4. In the data pane, set **Data Source Type** to **Static Data** and configure data as follows:

```
[ { "x": "January", "y": 2, "s": 1 }, { "x": "January", "y": 2.6, "s": 2 }, { "x": "February", "y": 4.9, "s": 1 }, { "x": "February", "y": 5.9, "s": 2 }, { "x": "March", "y": 7, "s": 1 }, { "x": "March", "y": 9, "s": 2 }, { "x": "April", "y": 23.2, "s": 1 }, { "x": "April", "y": 26.4, "s": 2 }, { "x": "May", "y": 25.6, "s": 1 }, { "x": "May", "y": 28.7, "s": 2 }, { "x": "June", "y": 76.7, "s": 1 }, { "x": "June", "y": 70.7, "s": 2 }, { "x": "July", "y": 135.6, "s": 1 }, { "x": "July", "y": 175.6, "s": 2 } ]
```



The data can be obtained from a CSV file, as shown in the following figure.

	A	B	C
1	x	y	s
2	January	2	1
3	January	2.6	2
4	February	4.9	1
5	February	5.9	2
6	March	7	1
7	March	9	2
8	April	23.2	1
9	April	26.4	2
10	May	25.6	1
11	May	28.7	2
12	June	76.7	1
13	June	70.7	2
14	July	135.6	1
15	July	175.6	2

In the CSV file, x, y, and s in the first row are the fields, and values in the second and subsequent rows are the field values. To download the CSV file, click CSV file.

Interaction

This widget is not connected to any events yet.

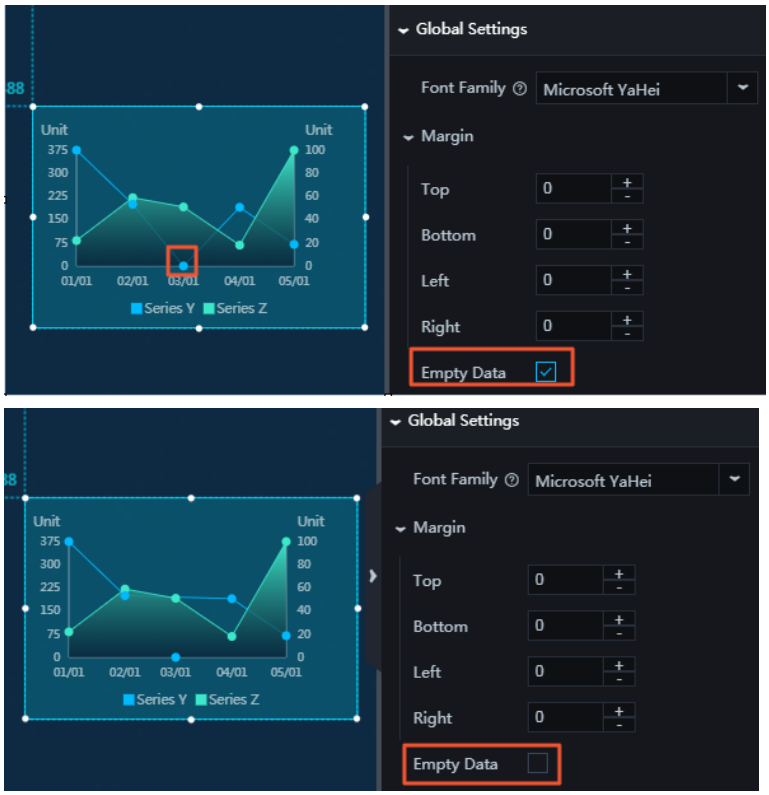
3.3. Dual axis chart

The dual axis chart widget allows you to customize the chart style, the display of different series of data, and other options as needed.

Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Margin**: Spacing between the chart and the chart borders. The unit is pixels.

- **Empty Data**: If you select this option, the line and the x-axis intersect at the point where the value corresponding to the y-axis is 0. If you clear this option, the line and the x-axis do not intersect at the point where the value corresponding to the y-axis is 0.



- **X Axis**: To display the x-axis, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the text along the x-axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the x-axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the x-axis, click the drop-down arrow and select the target font weight.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.

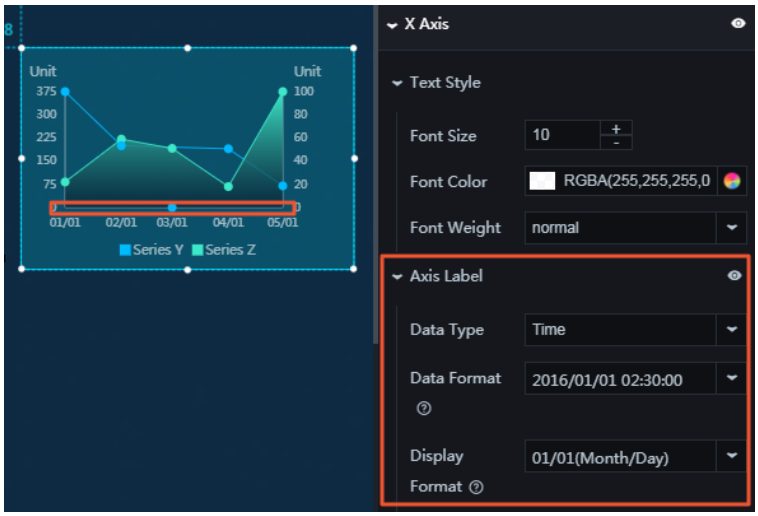
    > **Note** An error will be displayed if the data format differs from the data format set for the x field in the data pane.

    - **Data Type**: To set the data type along the x-axis, click the drop-down arrow and select the target type.
      - Numeric
      - Category
      - Time
    - **Data Format**: To set the format of the data, click the drop-down arrow and select the target format.

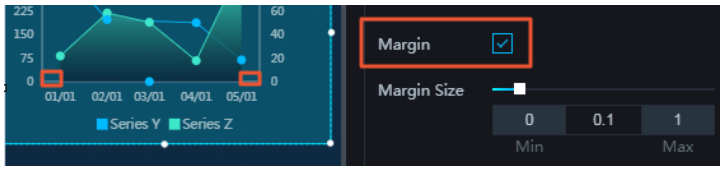
      > **Note** The following is an example: %Y/%m/%d%H:%M:%S.

- **Display Format**: To set the display format of the data, click the drop-down arrow and select the target format.

  > **Note** Time format: %m/%d%Y%H:%M:%S; integer format: d; floating-point number: .1f.



- **Margin**: If you select this option, spacing 1 (spacing between the chart and the y-axis) and spacing 2 (spacing between the chart and the right border of the chart) are displayed. If you clear this option, spacing 1 and spacing 2 are not displayed.
- **Margin Size**: To adjust spacing 1 and spacing 2, enter a value or drag the slider. The value range is from 0 to 1.



- **Min/Max**: You can set the minimum and maximum values along the x-axis as needed.
- **Offset**: To adjust the spacing between the labels along the x-axis, enter a value, or click + or -.
- **Unit**: You can customize the unit of the text along the x-axis as needed.
- **Quantity**: To change the number of labels along the x-axis, enter a value, or click + or -.
- **Angle**: To set the angle of the labels along the x-axis, click the drop-down arrow and select the target angle. The options include horizontal, slant, and vertical.
- **Axis Line**: To display the axis line, click the **Eye** icon. To change the color of the axis line, see Color picker.
- **Grid Lines**: To display the grid lines, click the **Eye** icon. To change the color of the grid lines, see Color picker.

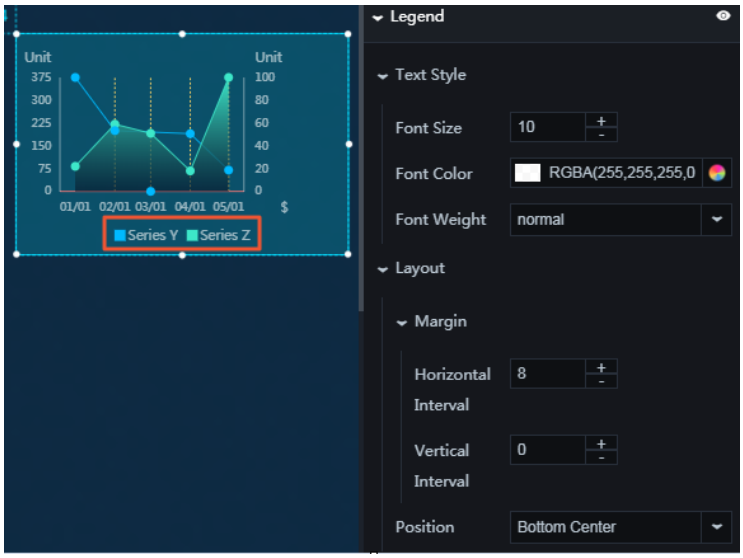
- **Y Axis**

  The y-axis is on the left. For more information about how to set the y-axis, see X Axis.

- **Z Axis**

  The z-axis is on the right. For more information about how to set the z-axis, see X Axis.

- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.
  - **Layout**
    - **Margin**
      - **Horizontal Interval**: To adjust spacing 1 (spacing between the legend items and the right border of the chart) and spacing 2 (spacing between the legend items and the left border of the chart), enter a value, or click **+** or **-**.
      - **Vertical Interval**: To adjust spacing 1 (spacing between the legend items and the top border of the chart) and spacing 2 (spacing between the legend items and the bottom border of the chart), enter a value, or click **+** or **-**.
    - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.
      - Top center
      - Top left
      - Top right
      - Bottom center
      - Bottom left
      - Bottom right



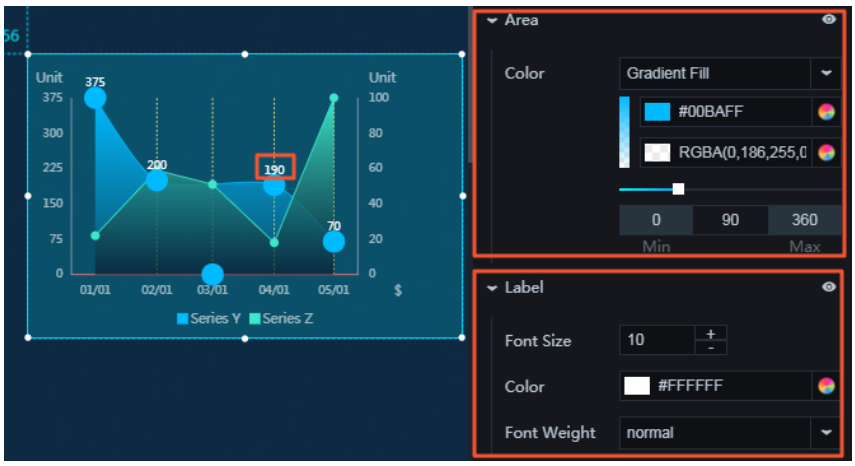
- **Series Y/Series Z**

> **Note** By default, a dual axis chart has two series of data, which correspond to the data along the y-axis and z-axis. You can customize the data style as needed, including the name of each series of data, the line style, the point style, and the area.

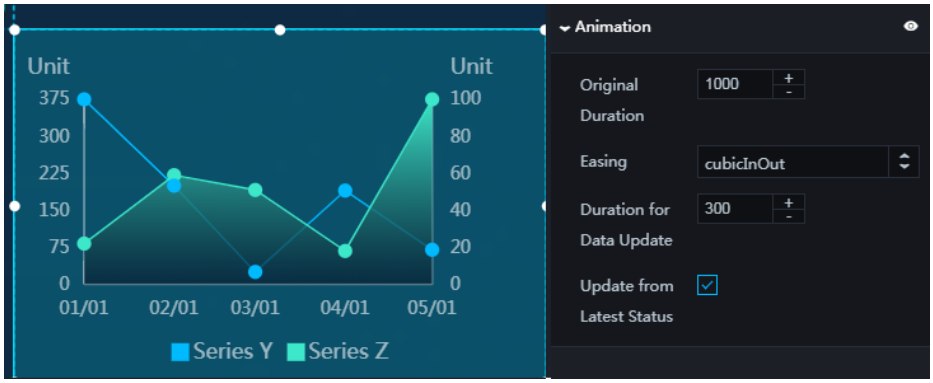
  - **Series Name**: You can set a name for the series as needed.
  - **Line**
    - **Color**: To change the line color, see Color picker.
    - **Style**: To set the line style, click the drop-down arrow and select the target style.
      - Solid line
      - Dotted line
    - **Width**: To change the line width, enter a value, or click **+** or **-**.
    - **Curve**: If you select this option, the line is displayed as a curve. If you clear this option, the line is displayed as a straight line.

- **Point Style**: To display the point style, click the **Eye** icon.
  - **Color**: To change the point color of the line, see Color picker.
  - **Radius**: To change the point radius, enter a value, or click **+** or **-**.

- **Area**: To set the fill color type, click the drop-down arrow and select the target type.
  - Solid fill
  - Gradient fill
    - You can select two colors as the gradient colors.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
- **Label**: To display the labels, click the **Eye** icon.
  - **Font Size**: To change the font size of the label text, enter a value, or click **+** or **-**.
  - **Color**: To change the font color of the label text, see Color picker.
  - **Font Weight**: To set the font weight of the label text, click the drop-down arrow and select the target font weight.



- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the point where the data has changed. If you clear this option, the animation begins from the starting point.



Data

The data pane of a dual axis chart has three fields (x, y and z fields). The x and y fields correspond to the points on the two lines.

- x: data along the x-axis. The value of this field must be in the same format as the label text along the x-axis.
- y: data along the y-axis
- z: data along the z-axis

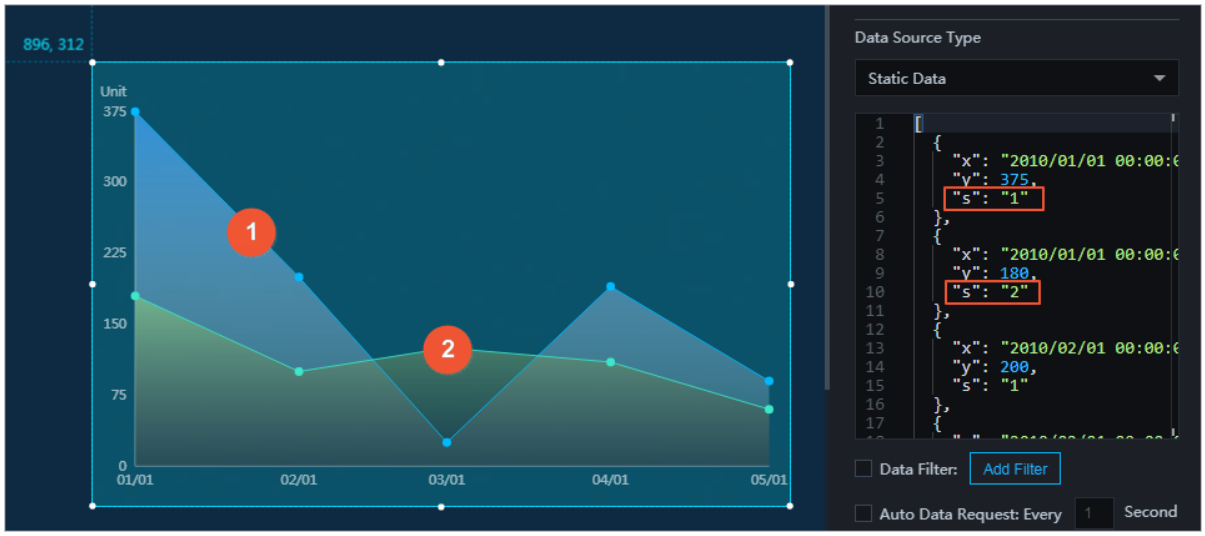
Interaction

This widget is not connected to any events yet.

3.4. FAQ

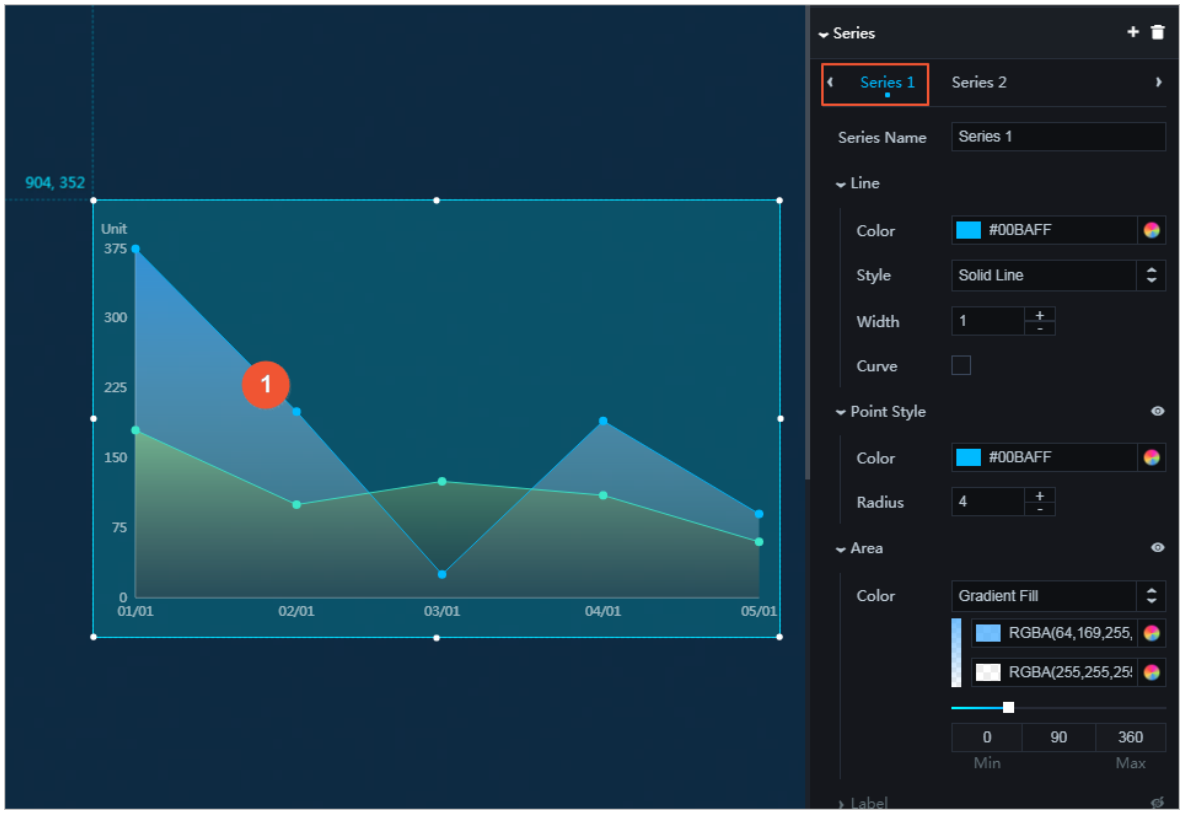
How do I configure multiple series?

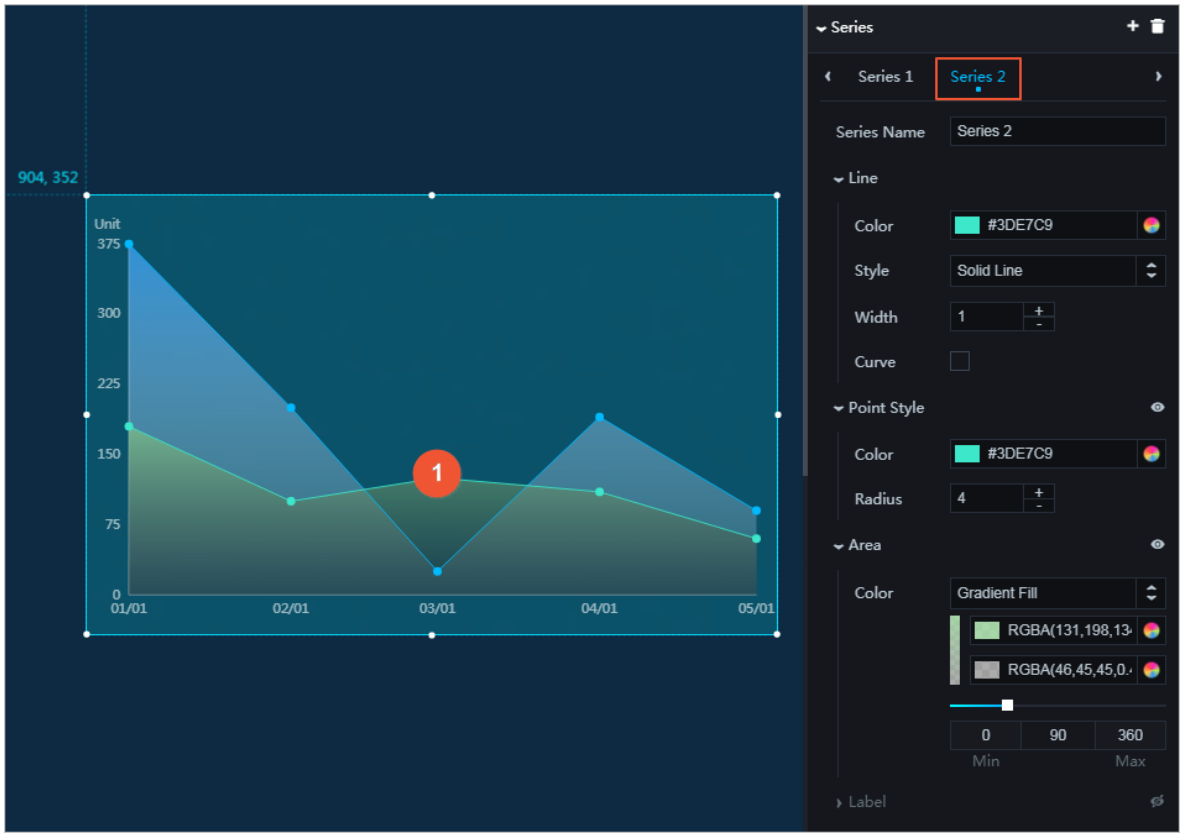
- In the data pane, if multiple *s* fields exist, values of the *s* fields indicate different series (lines).



Note In the configuration pane, the style of the configuration items is rendered according to the data sequence. That is, if the data of series 2 is displayed first in a chart, all subsequent data of series 2 is rendered according to the configured style of series 1. You can customize the rendering effect by sorting the data in advance using a data filter.

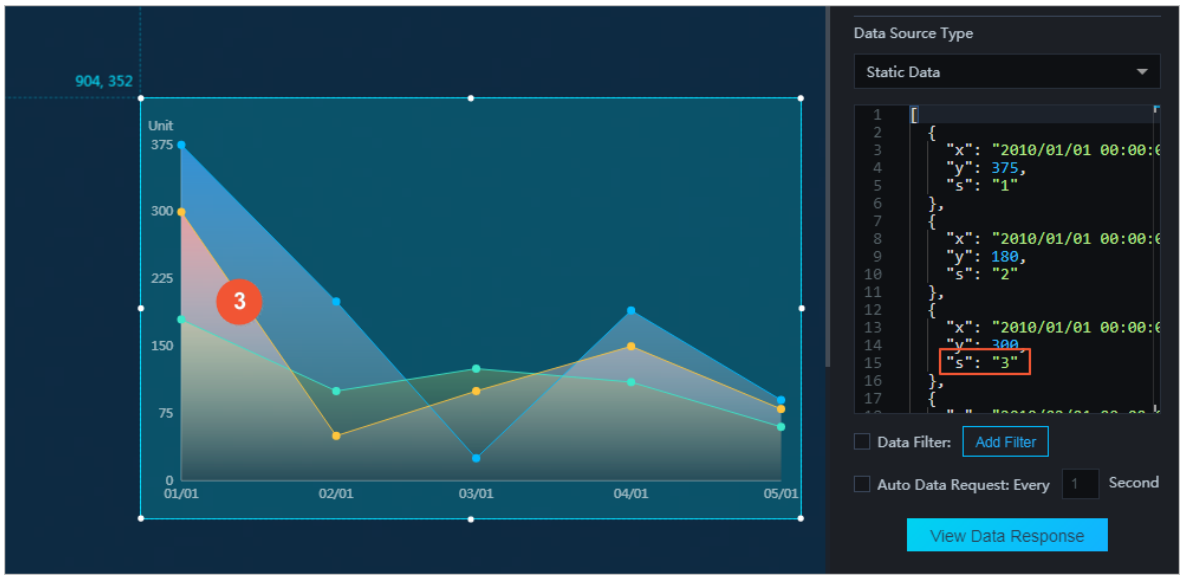
- You can set the style of multiple series in the configuration pane.





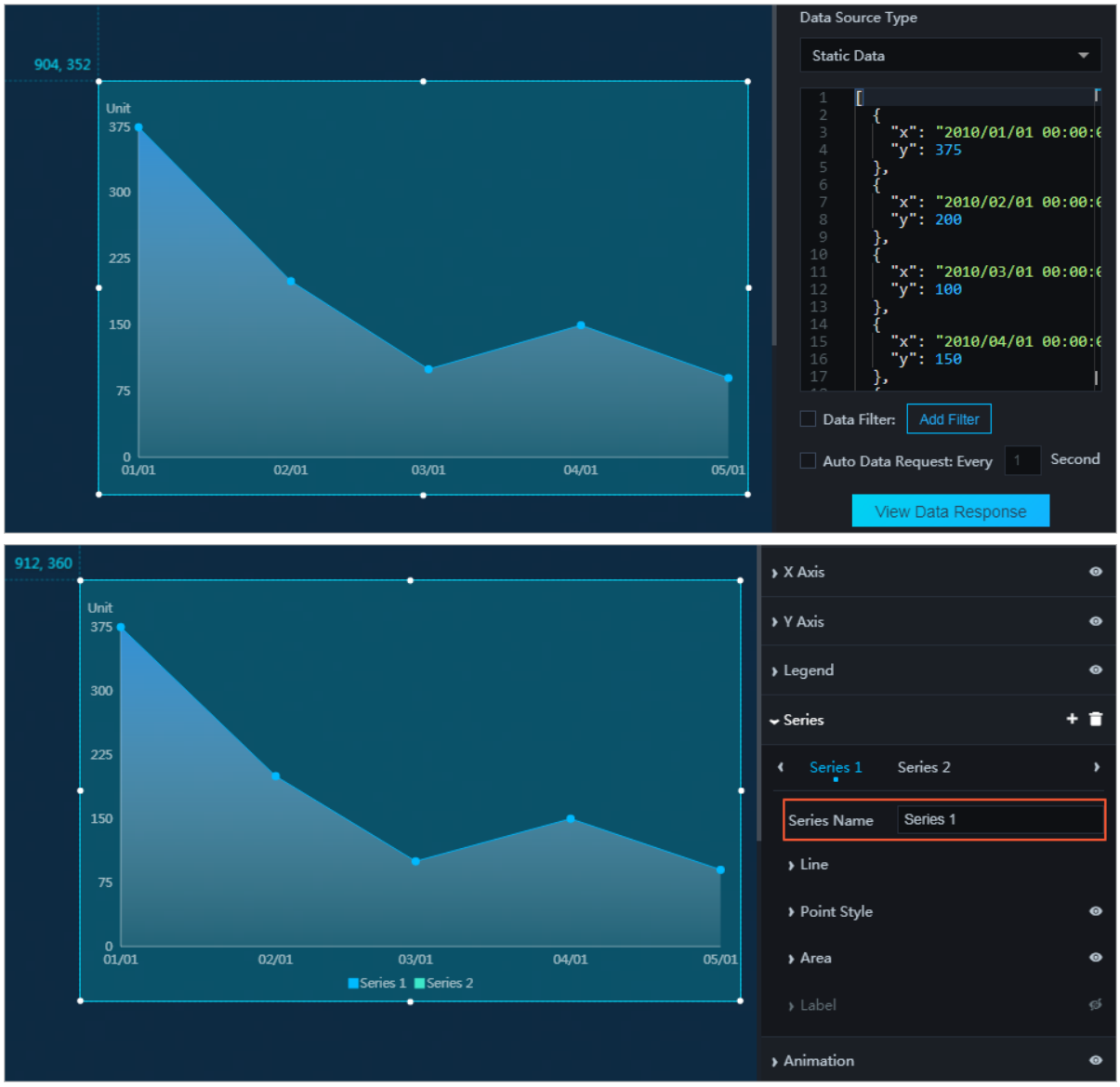
- If the number of the actual series is greater than that in the configuration pane, the data in the configuration pane is rendered in a loop.

  As shown in the following figure, the style of series 3 is the same as that of series 1.



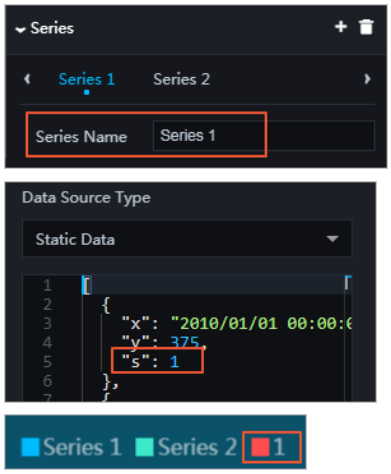
  As shown in the following figure, data of series 2 is displayed first. Therefore, the data is rendered using the style of series 1 in the configuration pane.

- If the *s* field does not exist in the data pane, all the data belongs to the same series by default. That is, only the style of one series needs to be configured. (If multiple series are set, only the configuration of the first series takes effect.)



What is the relationship between the series name in the configuration pane and the *s* field in the data pane?

The **series** option in the configuration pane determines the style of a series, while the **series name** determines the displayed text of a legend. You can customize the **series name** as needed. If the **series name** is empty, the system automatically searches for the value of the corresponding *s* field in the data pane. If the *s* field exists, the value of *s* is used as the series name. If this field does not exist, the series name is empty.



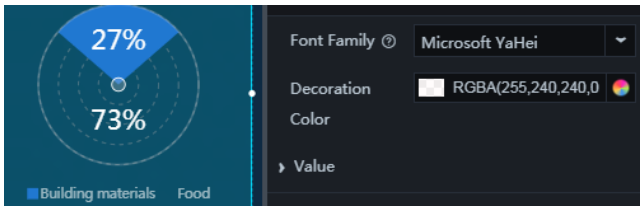
4.Pie charts

4.1. Comparison pie chart II

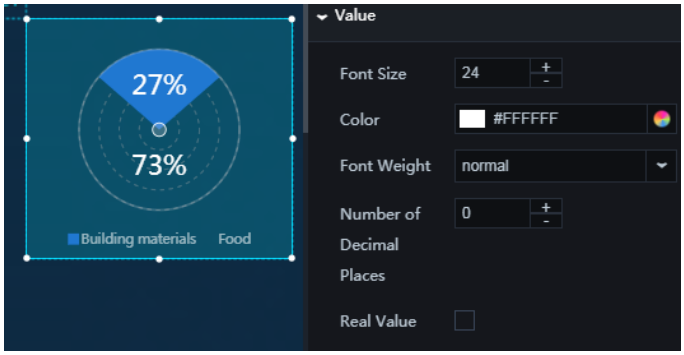
The comparison pie chart II widget allows you to customize the pie chart style, the percentage of different categories, and other options as needed.

Style

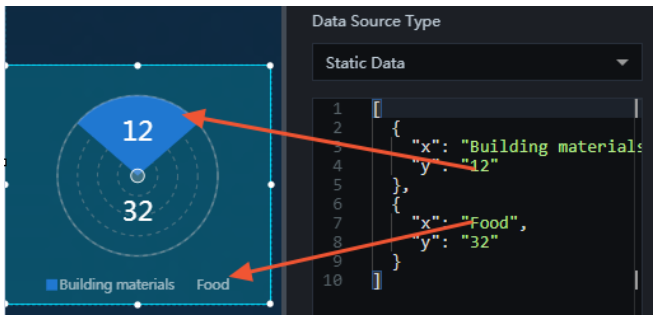
-
- **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Decoration Color**: To change the color of the circle border and center point, see Color picker.



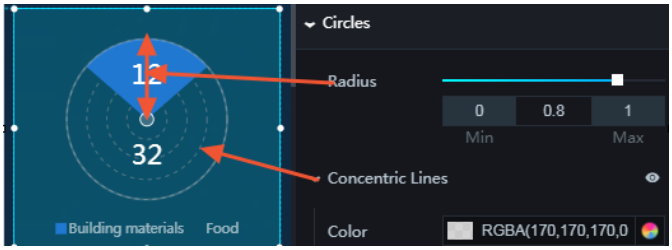
- **Value**
  - **Font Size**: To change the font size of the percentage values, enter a value, or click + or -.
  - **Color**: To change the font color of the percentage values, see Color picker.
  - **Font Weight**: To change the font weight of the percentage values, click the drop-down arrow and select the target font weight.
  - **Number of Decimal Places**: To change the number of digits to the right of the decimal point, enter a value, or click + or -.



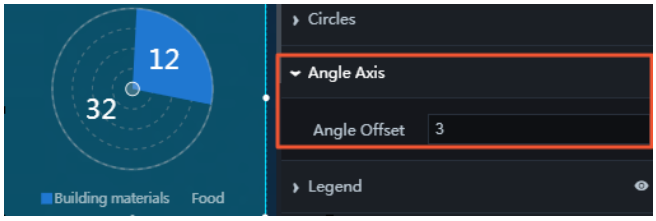
  - **Real Value**: If you select this option, the real data values corresponding to the percentage values are displayed.



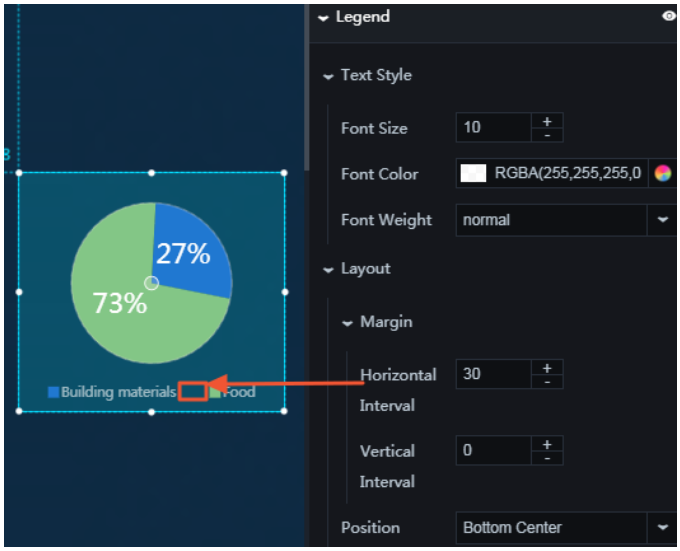
- **Circles**
  - **Radius**: To change the distance between the center point and the outer circle of the pie chart, enter a value or drag the slider. The value range is from 0 to 1.
  - **Concentric Lines**: To display the concentric lines, click the **Eye** icon.
    - **Color**: To change the color of the concentric lines, see Color picker.



- **Angle Axis**
  - **Angle Offset**: You can customize the angle offset of a segment.

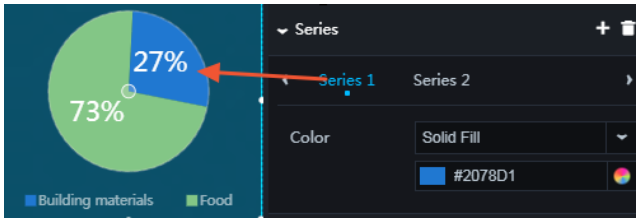


- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To change the font weight of the legend text, click the drop-down arrow and select the target font weight.
  - **Layout/Margin**
    - **Horizontal Interval**: To change the horizontal distance between the legend items, enter a value, or click **+** or **-**.
    - **Vertical Interval**: To change the vertical distance between the legend items and the pie chart, enter a value, or click **+** or **-**.
    - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.

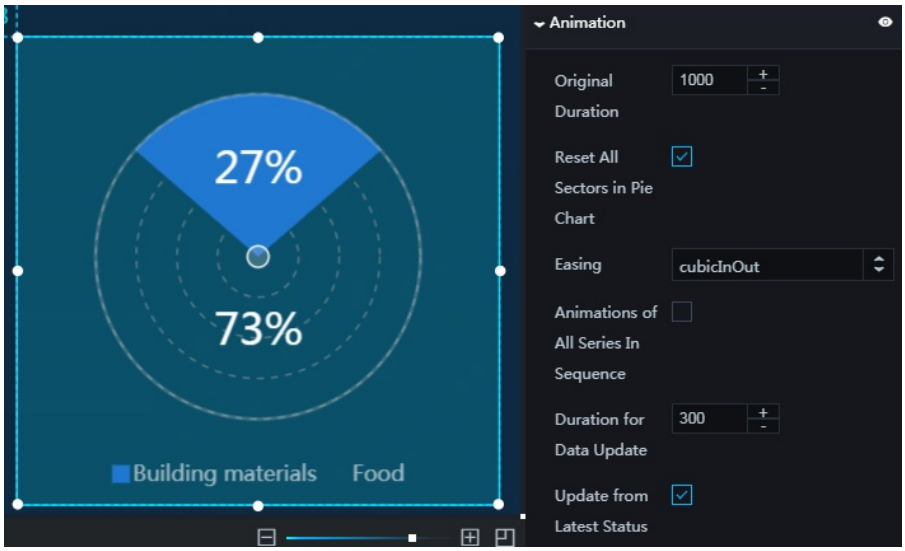


- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

- **Color**: To set the color of a legend block, click the drop-down arrow and select the target color.
  - Solid fill: To change the color of a segment, see Color picker.
  - Gradient fill
    - You can select two colors as the gradient colors. For more information, see Color picker.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.

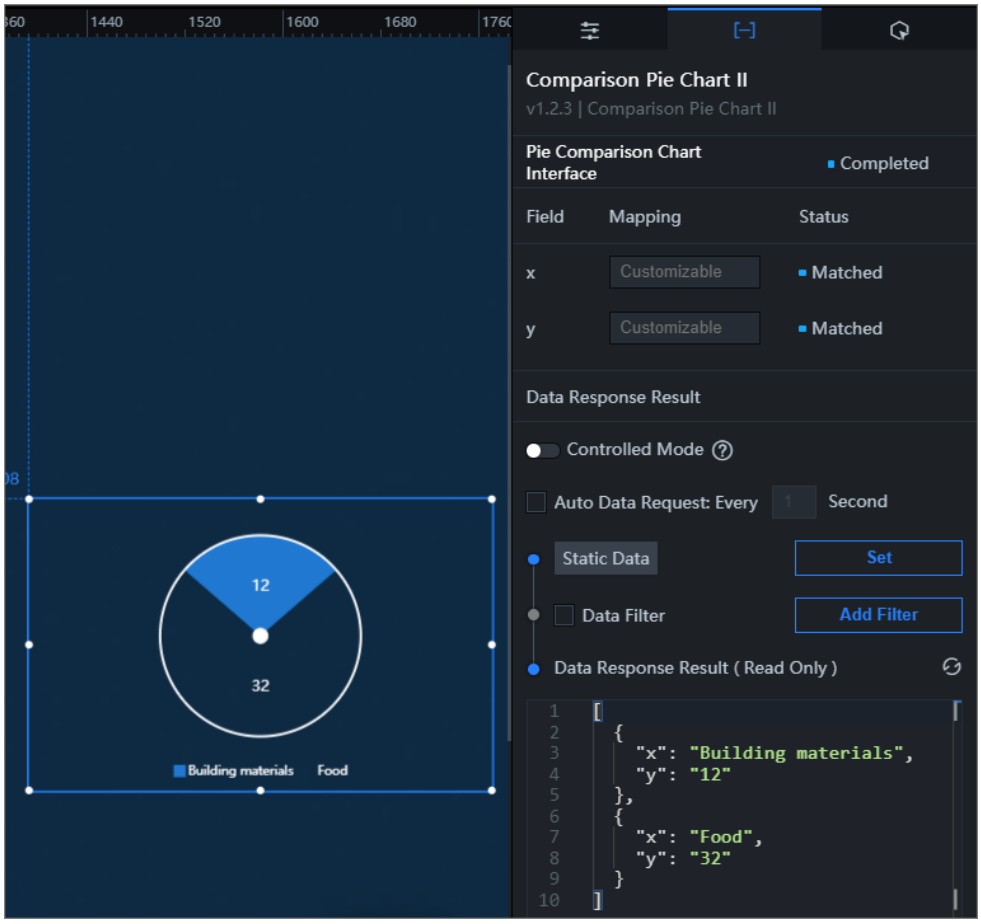


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click + or –. The unit is milliseconds.
  - **Reset All Sectors in Pie Chart**: If you select this option, the animation of each segment in the pie chart is displayed in sequence. If you clear this option, the animation of each segment in the pie chart is displayed at the same time.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Animations of All Series in Sequence**: If you select this option, the animations of all segments in the pie chart are displayed in sequence. If you clear this option, the animations of all segments in the pie chart are displayed at the same time.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click + or –. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- x: text of a category
- y: real data value of a series



Interaction

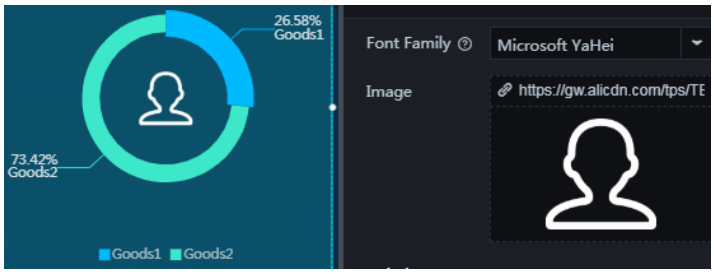
This widget is not connected to any events yet.

4.2. Pie chart with image

The pie chart with image widget allows you to customize the pie chart style, upload an image to the center of the pie chart, and customize the percentage of displayed data as needed.

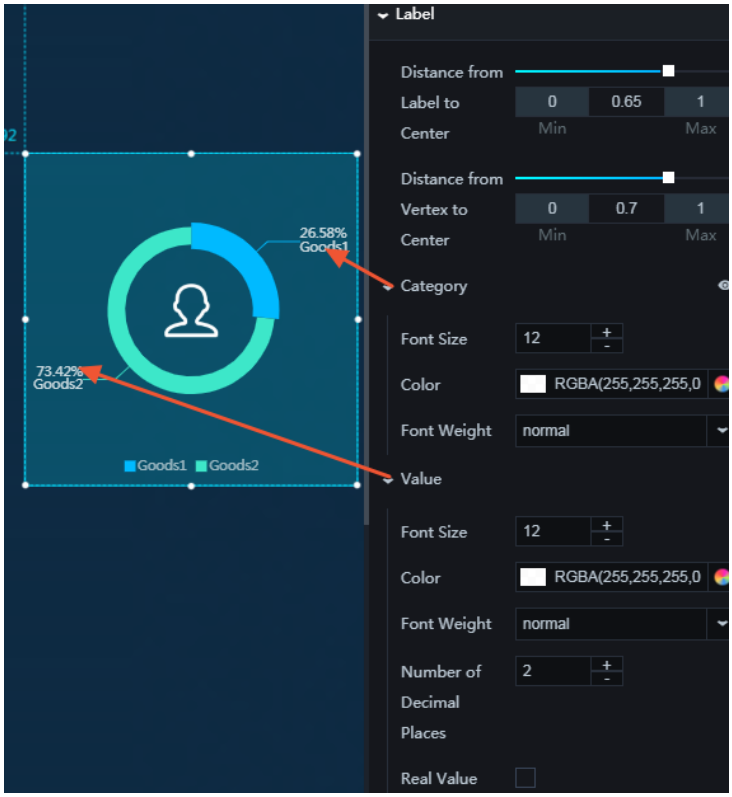
Style

-
- **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Image**: To change the image in the center of the pie chart, click the **Trash** icon to delete the current image and upload a local one. To use an image stored on the Internet, enter the URL of the image.



- **Label**
  - **Distance from Label to Center**: To change the distance between the labels and the center of the pie chart, enter a value or drag the slider. The value range is from 0 to 1.

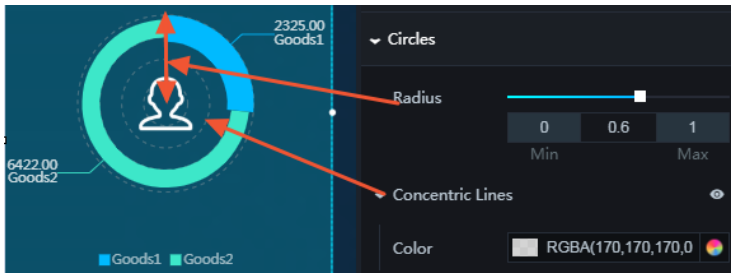
- **Distance from Vertex to Center**: To change the distance between the vertices and the center of the pie chart, enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the vertices will overlap in the center of the pie chart.
- **Category**: To display the categories, click the **Eye** icon.
  - **Font Size**: To change the font size of the category text, enter a value, or click **+** or **-**.
  - **Color**: To change the font color of the category text, see Color picker.
  - **Font Weight**: To set the font weight of the category text, click the drop-down arrow and select the target font weight.
- **Value**
  - **Font Size**: To change the font size of the percentage values, enter a value, or click **+** or **-**.
  - **Color**: To change the font color of the percentage values, see Color picker.
  - **Font Weight**: To set the font weight of the percentage values, click the drop-down arrow and select the target font weight.
  - **Number of Decimal Places**: To change the number of digits to the right of the decimal point, enter a value, or click **+** or **-**.



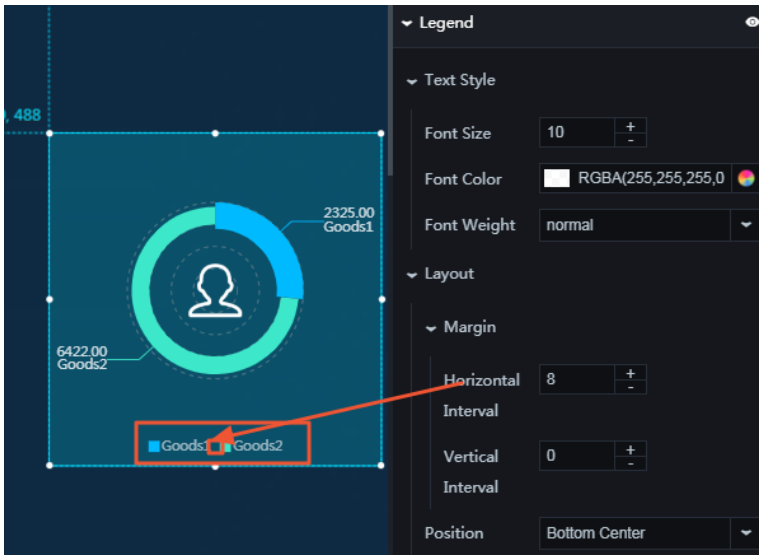
  - **Real Value**: If you select this option, the actual data values corresponding to the percentage values are displayed.

- **Circles**
  - **Radius**: To change the distance between the center of the pie chart and the outer circle, enter a value or drag the slider. The value range is from 0 to 1.

- **Concentric Lines**: To display the concentric lines, click the **Eye** icon.
  - **Color**: To change the color of the concentric lines, see Color picker.

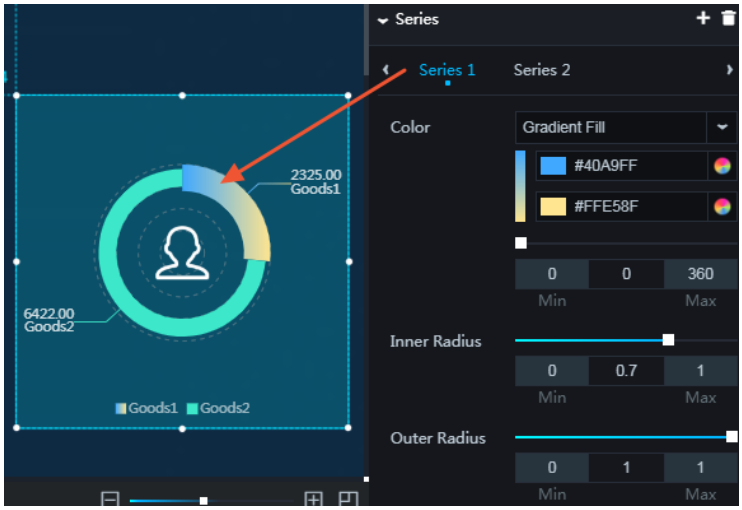


- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click + or -.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.
  - **Layout**
    - **Horizontal Interval**: To change the horizontal distance between the legend items, enter a value, or click + or -.
    - **Vertical Interval**: To change the vertical distance between the legend items and the pie chart, enter a value, or click + or -.
    - **Position**: To change the position of the legend items, click the drop-down arrow and select the target position.

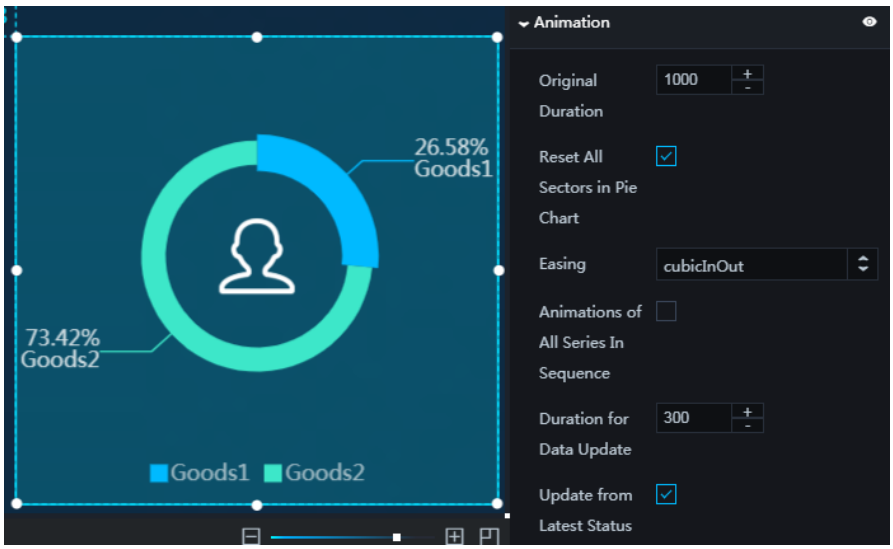


- **Series**: To add or delete a series, click + or click the **Trash** icon.
  - **Color**: To set the color fill type, click the drop-down arrow and select the target type.
    - Solid fill: To change the color of a segment, see Color picker.
    - Gradient fill
      - You can select two colors as the gradient colors. For more information, see Color picker.
      - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
  - **Inner Radius**: To change the inner radius length of a segment, enter a value or drag the slider. The value range is from 0 to 1.

- **Outer Radius**: To change the outer radius length of a segment, enter a value or drag the slider. The value range is from 0 to 1.

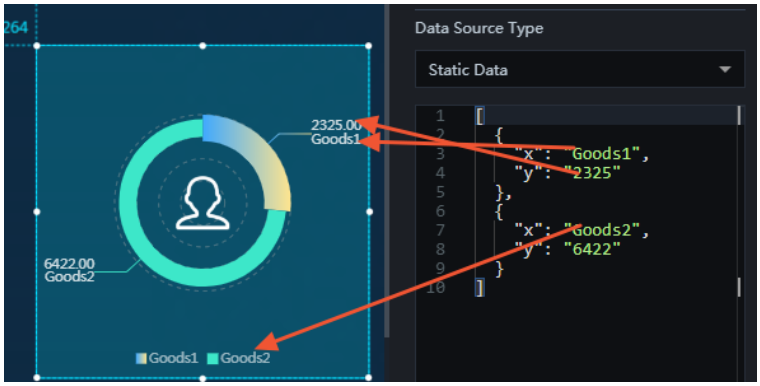


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Reset All Sectors in Pie Chart**: If you select this option, the animation of each segment in the pie chart is displayed in sequence. If you clear this option, the animation of each segment in the pie chart is displayed at the same time.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Animations of All Series in Sequence**: If you select this option, the animations of all segments in the pie chart are displayed in sequence. If you clear this option, the animations of all segments in the pie chart are displayed at the same time.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- x: text of a category
- y: actual data value of a series



Interaction

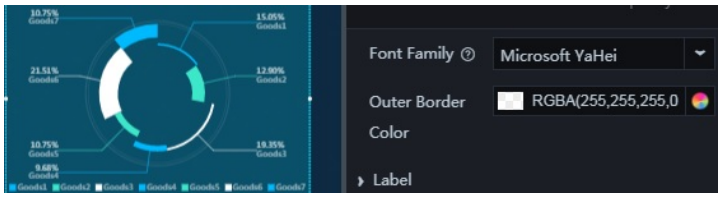
This widget is not connected to any events yet.

4.3. Doughnut chart

The doughnut chart widget allows you to customize the pie chart style, the display of different data dimensions, the percentage of different categories, and other options as needed.

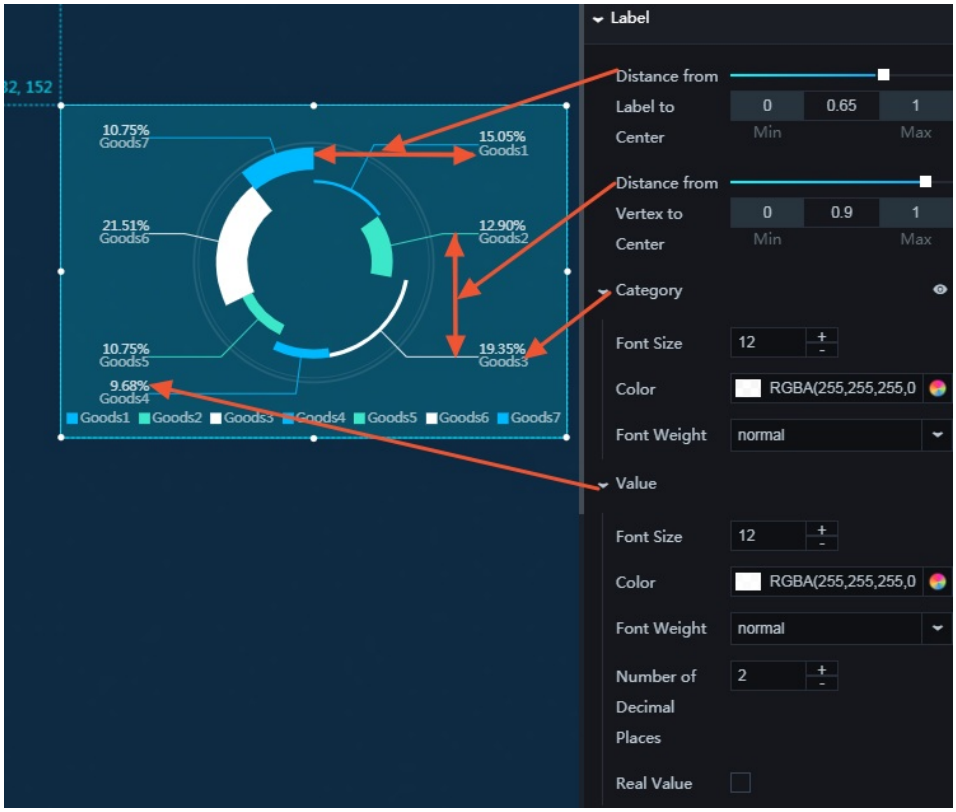
Style

-
- **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Outer Border Color**: To change the border color of the outer circle, see Color picker.

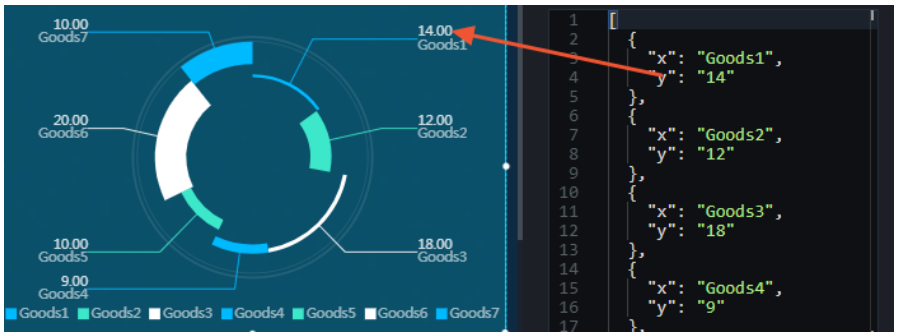


- Label
  - **Distance from Label to Center**: To change the horizontal distance between the labels and the center of the chart, enter a value or drag the slider. The value range is from 0 to 1.
  - **Distance from Vertex to Center**: To change the distance between the vertices and the center of the chart, enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the vertices will overlap in the center of the chart.
  - **Category**: To display the categories, click the **Eye** icon.
    - **Font Size**: To set the font size of the category text, enter a value, or click **+** or **-**.
    - **Color**: To change the font color of the category text, see Color picker.
    - **Font Weight**: To set the font weight of the category text, click the drop-down arrow and select the target font weight.

- **Value**
  - **Font Size**: To set the font size of the percentage values, enter a value, or click + or -.
  - **Color**: To change the font color of the percentage values, see Color picker.
  - **Number of Decimal Places**: To set the number of digits to the right of the decimal point, enter a value, or click + or -.
  - **Font Weight**: To set the font weight of the percentage values, click the drop-down arrow and select the target font.

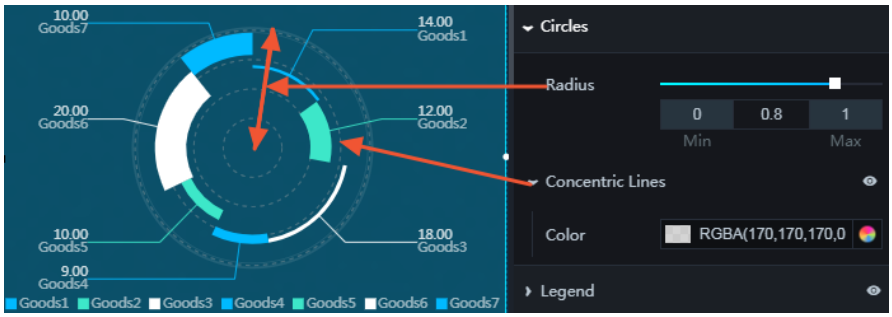


  - **Real Value**: If you select this option, the actual data values are displayed. If you clear this option, the percentage values are displayed.

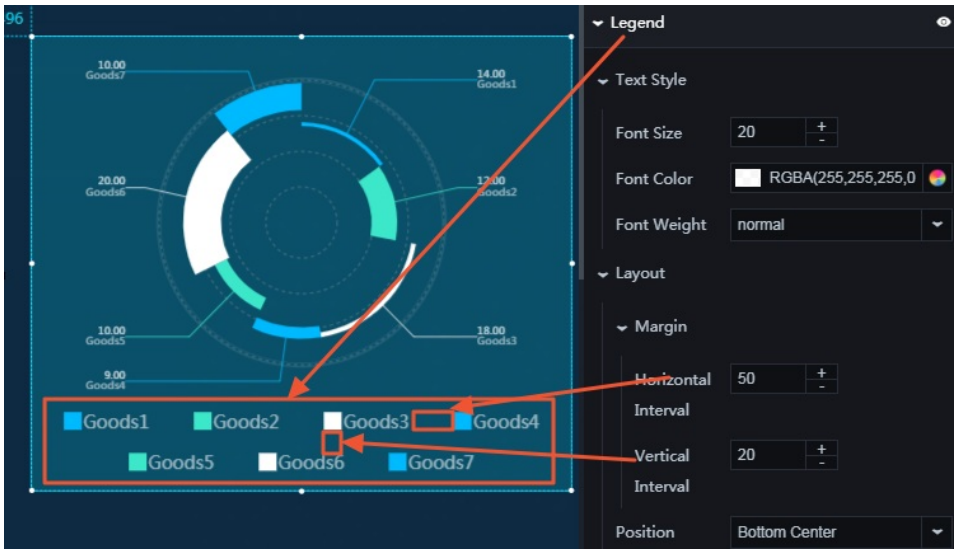


- **Circles**
  - **Radius**: To change the distance between the center of the chart and the outer circle, enter a value or drag the slider. The value range is from 0 to 1.

- **Concentric Lines**: To display the concentric lines, click the **Eye** icon.
  - **Color**: To change the color of the concentric lines, see Color picker.



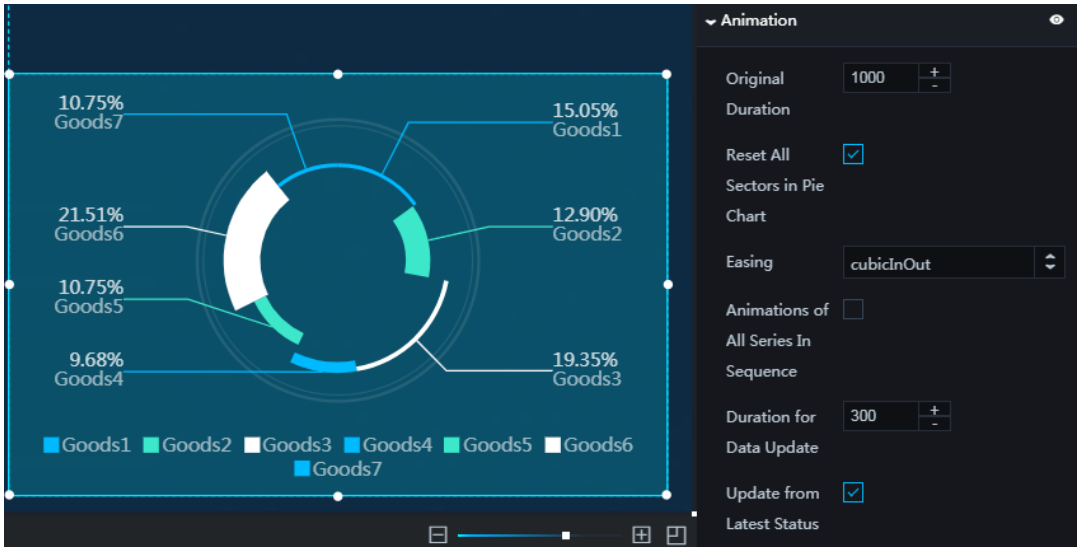
- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To set the font size of the legend text, enter a value, or click + or -.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.
  - **Layout/Margin**
    - **Horizontal Interval**: To change the horizontal distance between the legend items, enter a value, or click + or -.
    - **Vertical Interval**: To change the vertical distance between the legend items, enter a value, or click + or -.
    - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.
      - Top center
      - Top left
      - Top right
      - Bottom center
      - Bottom left
      - Bottom right



- **Series**: To add or delete a series, click + or click the **Trash** icon.
  - **Color**: To set the color of a segment, which corresponds to a series, click the drop-down arrow and select the target color.
    - Solid fill
    - Gradient fill: You can select two colors as the gradient colors.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
  - **Inner Radius**: To change the inner radius length of a segment, enter a value or drag the slider. The value range is from 0 to 1.

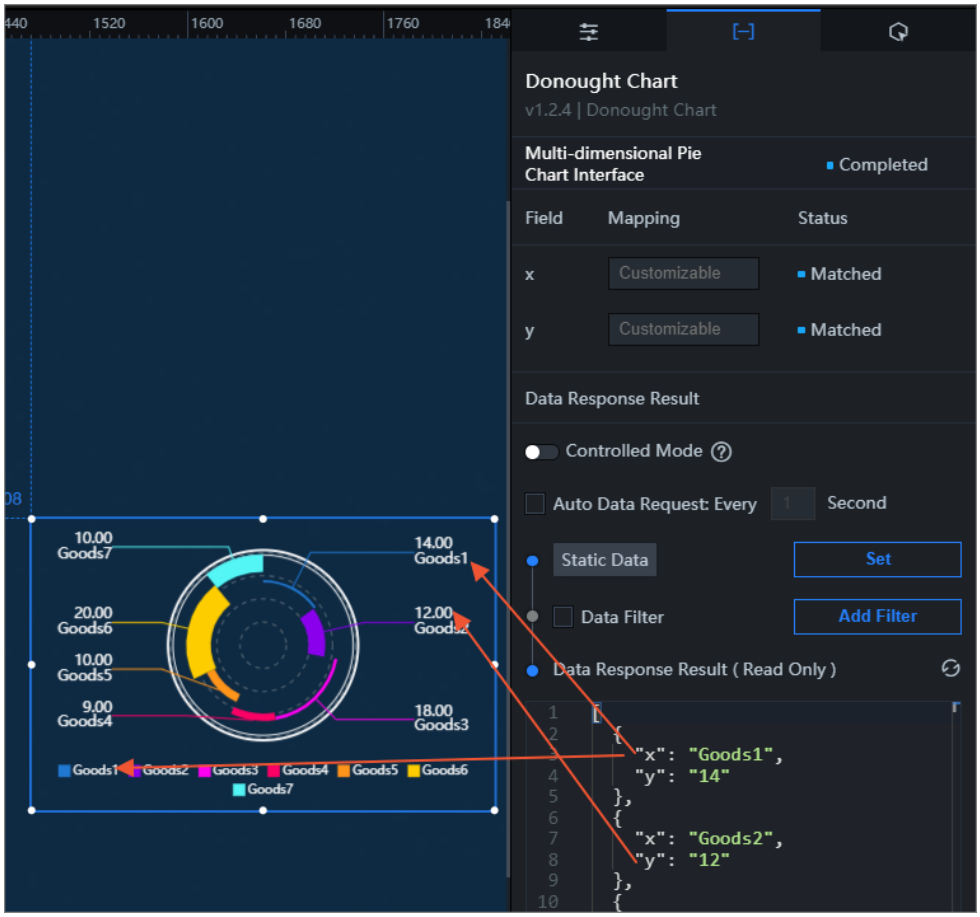
- **Outer Radius**: To change the outer radius length of a segment, enter a value or drag the slider. The value range is from 0 to 1.

- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Reset All Sectors in Pie Chart**: If you select this option, the animation of each segment in the pie chart is displayed in sequence. If you clear this option, the animation of each segment in the pie chart is displayed at the same time.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Animations of All Series in Sequence**: If you select this option, the animations of all segments in the pie chart are displayed in sequence. If you clear this option, the animations of all segments in the pie chart are displayed at the same time.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- x: name of a series
- y: actual data value of a series. The value of this field determines the percentage value of a segment.



Interaction

This widget is not connected to any events yet.

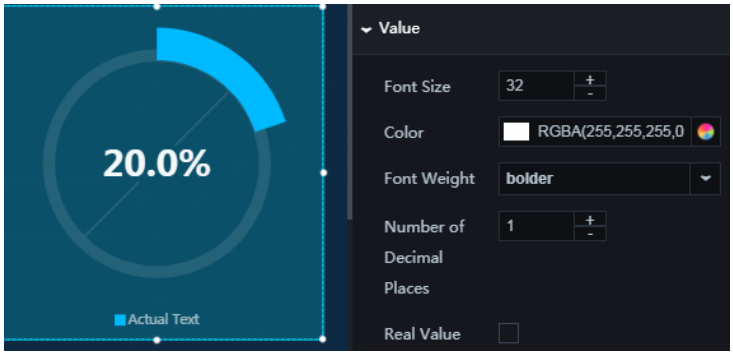
4.4. Pie chart with goal

The pie chart with goal widget allows you to customize the pie chart style, the percentage of an indicator, and other options as needed.

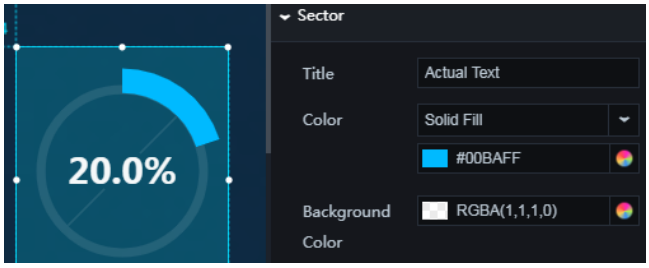
Style

-
- **Font Family**: To set the font of the label text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Value**
  - **Font Size**: To set the font size of the percentage value, enter a value, or click + or -.
  - **Color**: To change the font color of the percentage value, see Color picker.
  - **Font Weight**: To set the font weight of the percentage value, click the drop-down arrow and select the target font weight.
  - **Number of Decimal Places**: To change the number of digits to the right of the decimal point, enter a value, or click + or -.

- **Real Value**: If you select this option, the actual data value is displayed. If you clear this option, the percentage value is displayed.

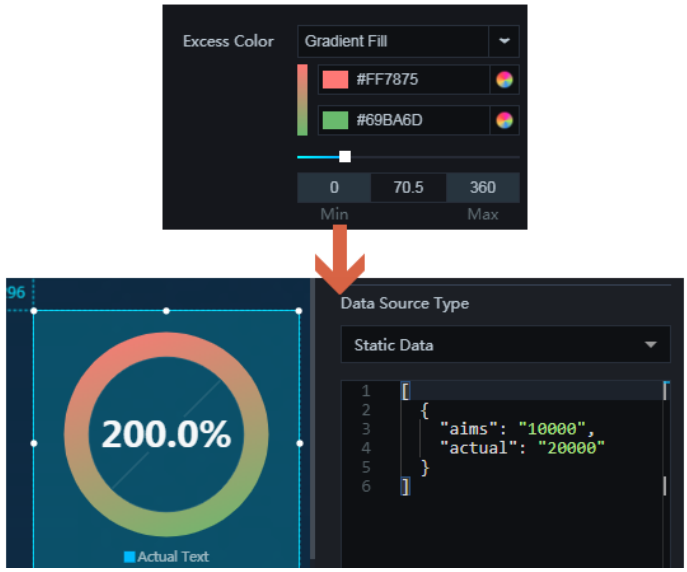


- **Sector**
  - **Title**: You can add a title for the pie chart.
  - **Color**
    - *Solid Fill*
    - *Gradient Fill*: You can select two colors as the gradient colors. To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
  - **Background Color**: To change the background color of the circle not covered by the indicator segment, see Color picker.

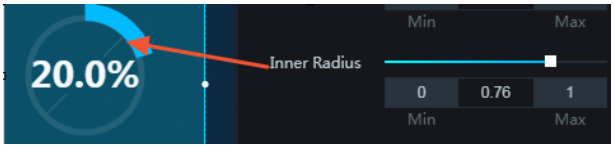


  - **Excess Color**: To change the color of the cross-boundary circle, see Color picker.

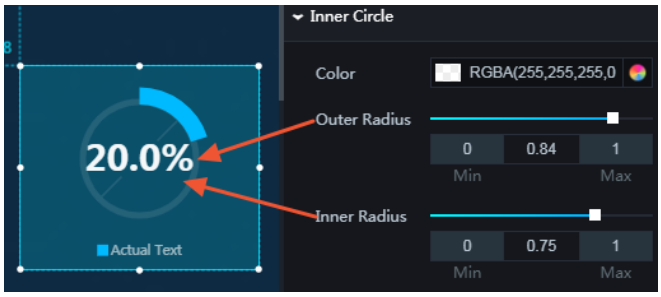
> **Note** A cross-boundary circle appears when the actual value exceeds the target value.



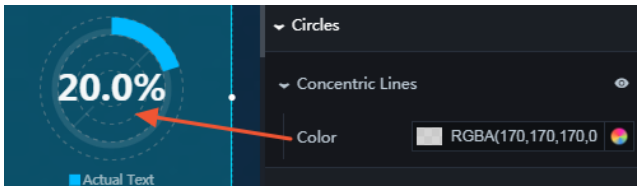
- **Inner Radius**: To change the inner radius length (distance between the indicator segment and the center of the pie chart), enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the inner circle will be covered.



- **Inner Circle**
  - **Color**: To change the line color of the inner circle, see Color picker.
  - **Inner Radius**: To change the radius length of the inner circle, enter a value or drag the slider. The value range is from 0 to 1.
  - **Outer Radius**: To change the radius length of the outer circle, enter a value or drag the slider. The value range is from 0 to 1.

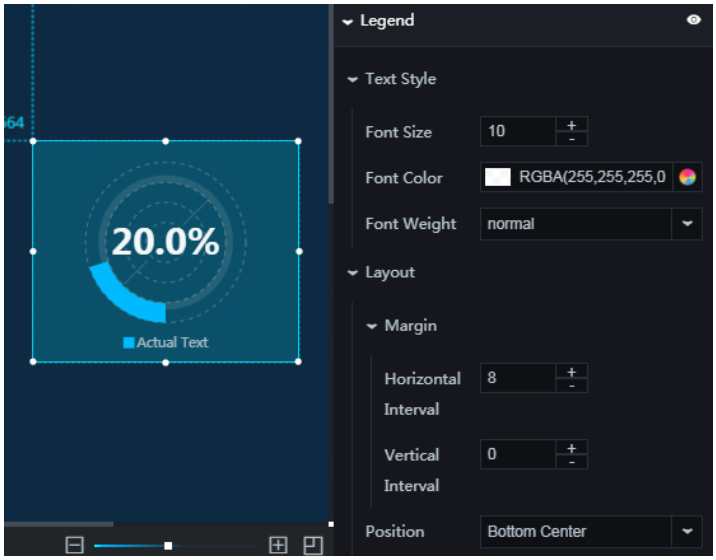


- **Circles**
  - **Concentric Lines**: To display the concentric lines, click the **Eye** icon.
    - **Color**: To change the color of the concentric lines, see Color picker.

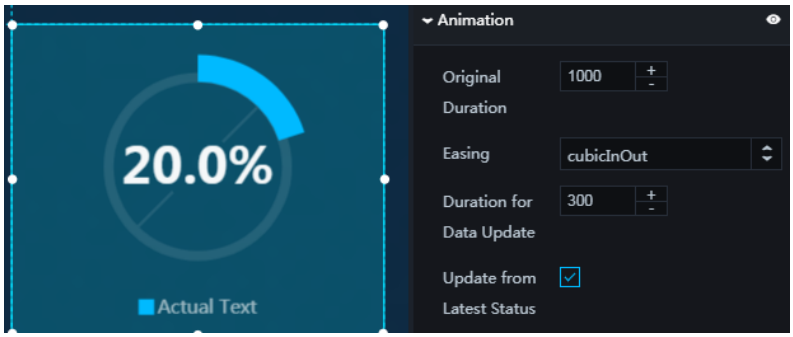


- **Angle Axis**
  - **Angle Offset**: You can customize the offset angle of the indicator segment as needed.

- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To set the font size of the segment title, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the segment title, see Color picker.
    - **Font Weight**: To set the font weight of the segment title, click the drop-down arrow and select the target font weight.
  - **Layout/Margin**
    - **Horizontal Interval**: To set the horizontal distance between the segment title and the pie chart borders, enter a value, or click **+** or **-**.
    - **Vertical Interval**: To set the vertical distance between the segment title and the pie chart borders, enter a value, or click **+** or **-**.
    - **Position**: To set the position of the segment title, click the drop-down arrow and select the target position.
      - Top center
      - Top left
      - Top right
      - Bottom center
      - Bottom left
      - Bottom right

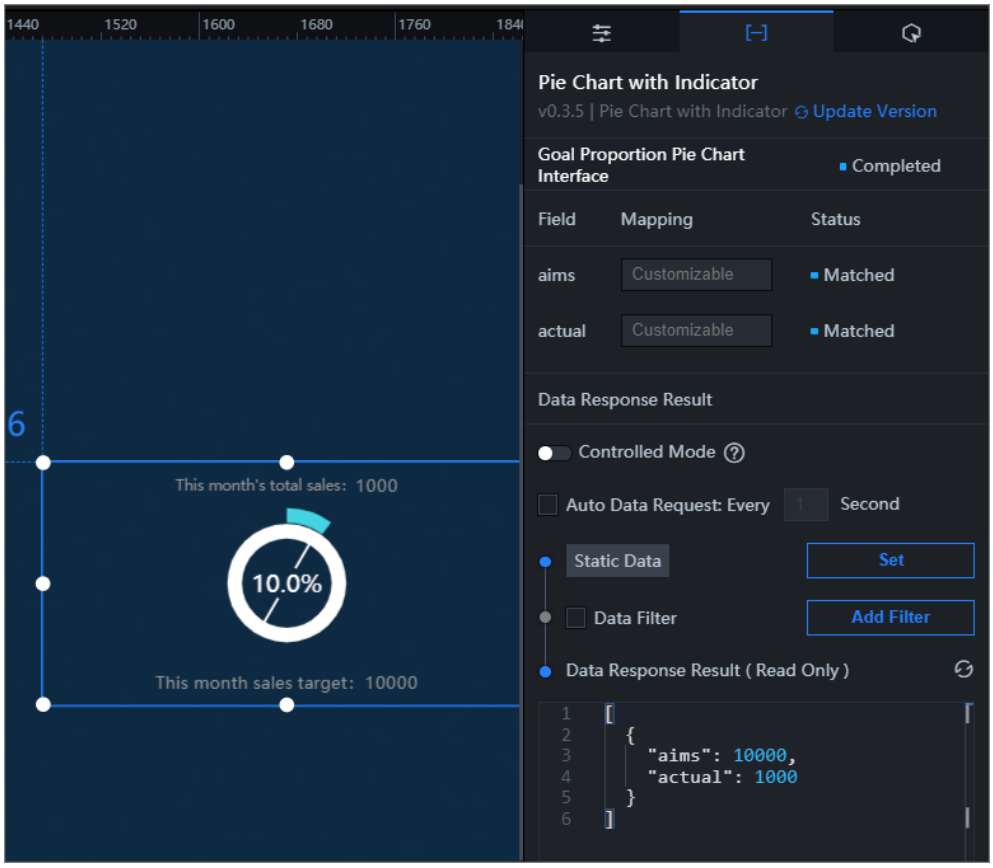


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- aims: target value
- actual: progress value (actual data value), which is displayed as the percentage value of the segment



Interaction

This widget is not connected to any events yet.

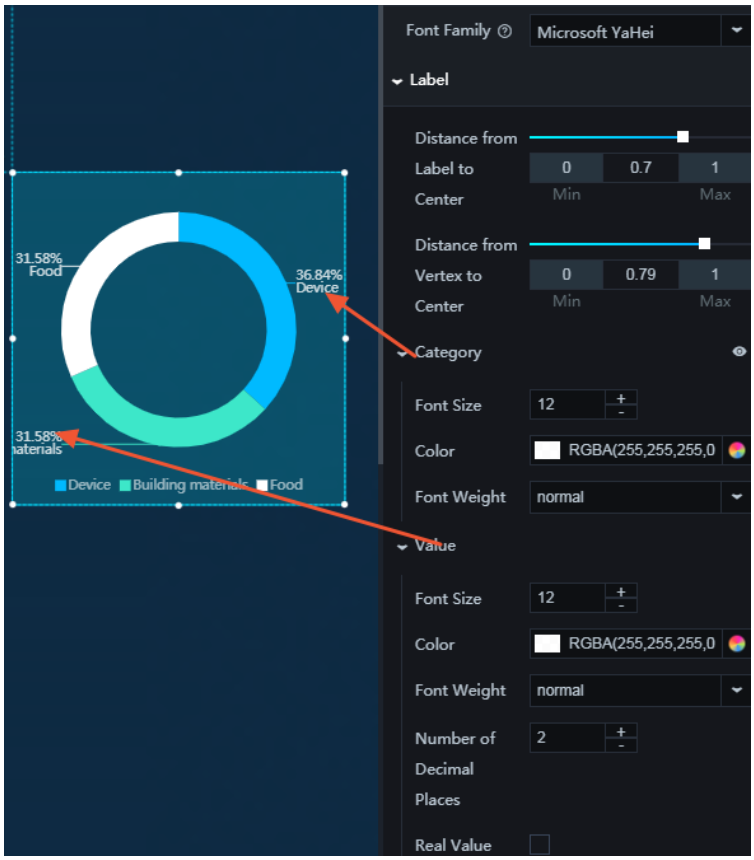
4.5. Basic pie chart II

The basic pie chart II widget allows you to customize the pie chart style, the percentage of different categories, and other options as needed.

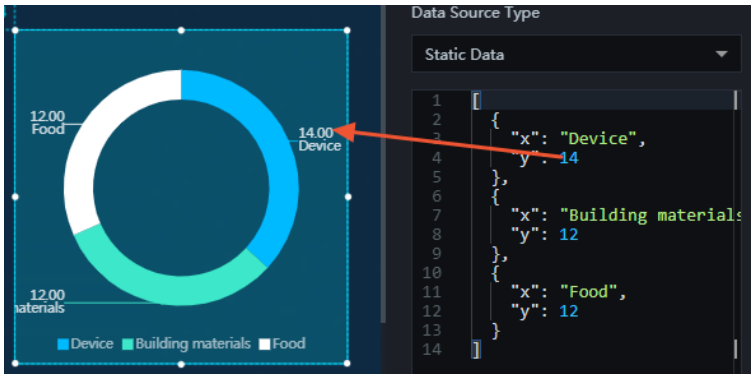
Style

-
- **Font Family**: To change the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Label**
  - **Distance from Label to Center**: To change the horizontal distance between the labels and the center of the pie chart, enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the labels will overlap in the center of the pie chart.
  - **Distance from Vertex to Center**: To change the distance between the vertices and the center of the pie chart, enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the vertices will overlap in the center of the pie chart.
  - **Category**: To display the categories, click the **Eye** icon.
    - **Font Size**: To change the font size of the category text, enter a value, or click **+** or **-**.
    - **Color**: To change the font color of the category text, see Color picker.

- Value
  - **Font Size**: To change the font size of the percentage values, enter a value, or click + or -.
  - **Color**: To change the font color of the percentage values, see Color picker.
  - **Font Weight**: To change the font weight of the percentage values, click the drop-down arrow and select the target font weight.
  - **Number of Decimal Places**: To change the number of digits to the right of the decimal point, enter a value, or click + or -.

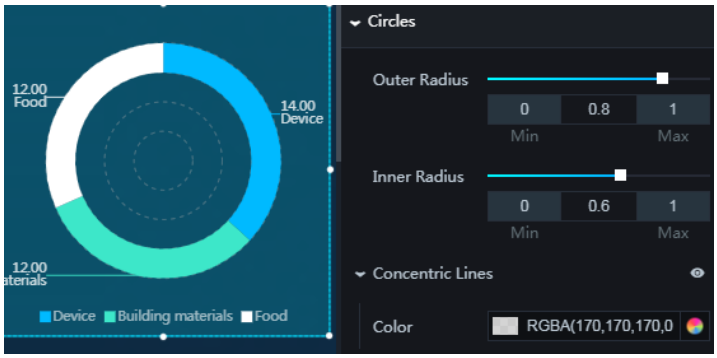


  - **Real Value**: If you select this option, the actual data values corresponding to the percentage values are displayed.

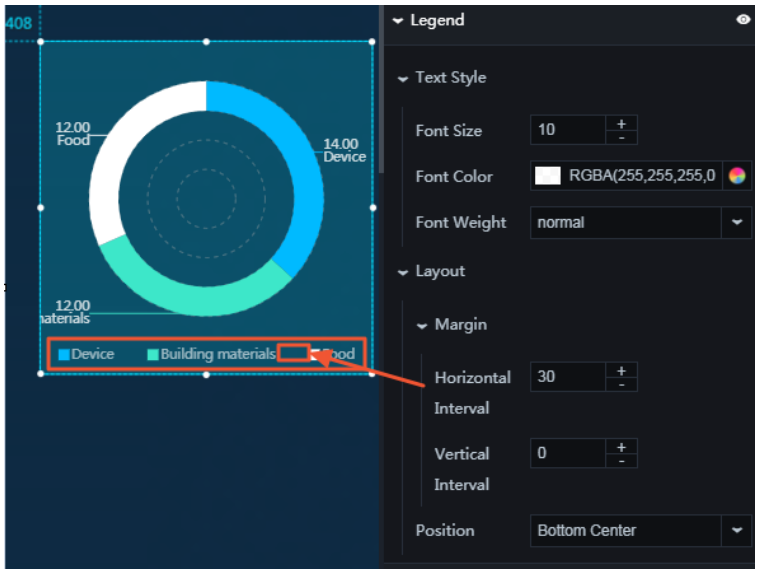


- Circles
  - **Outer Radius**: To change the length of the outer radius, enter a value or drag the slider. The value range is from 0 to 1.
  - **Inner Radius**: To change the length of the inner radius, enter a value or drag the slider. The value range is from 0 to 1.

- **Concentric Lines**: To display the concentric lines, click the **Eye** icon.
  - **Color**: To change the color of the concentric lines, see Color picker.

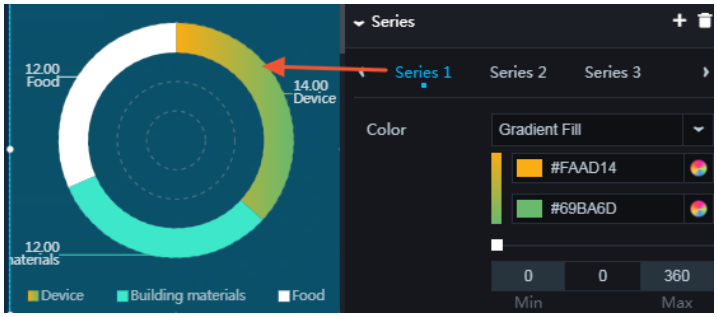


- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.
  - **Layout/Margin**
    - **Horizontal Interval**: To change the horizontal distance between the legend items, enter a value, or click **+** or **-**.
    - **Vertical Interval**: To change the vertical distance between the legend items and the pie chart, enter a value, or click **+** or **-**.
    - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.

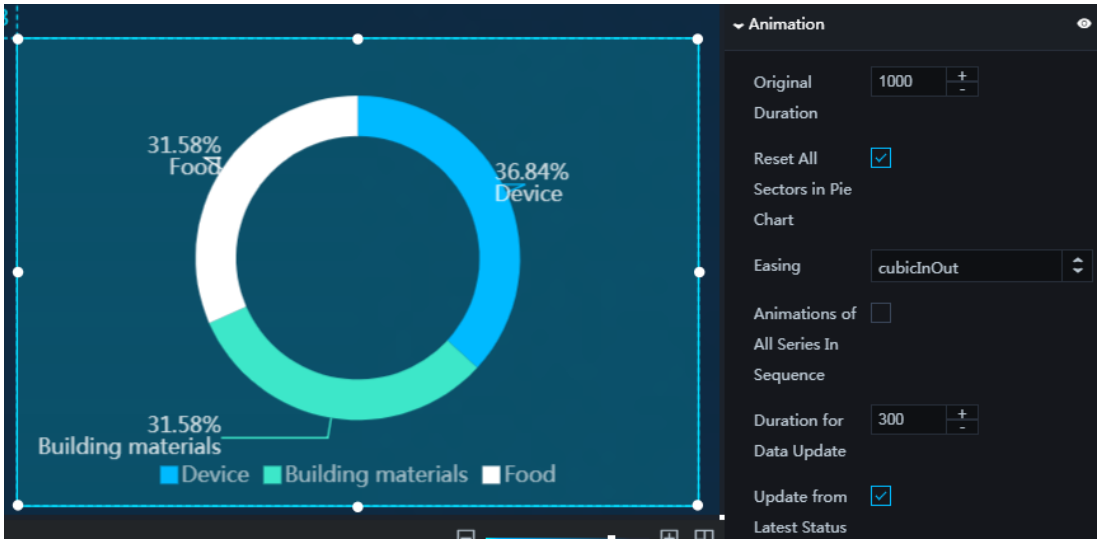


- **Series**: To add or delete a series, click **+** or click the **Trash** icon.

- **Color**: To set the fill color type, click the drop-down arrow and select the target type.
  - Solid fill: To change the color of a segment, see Color picker.
  - Gradient fill
    - You can select two colors as the gradient colors. For more information, see Color picker.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.

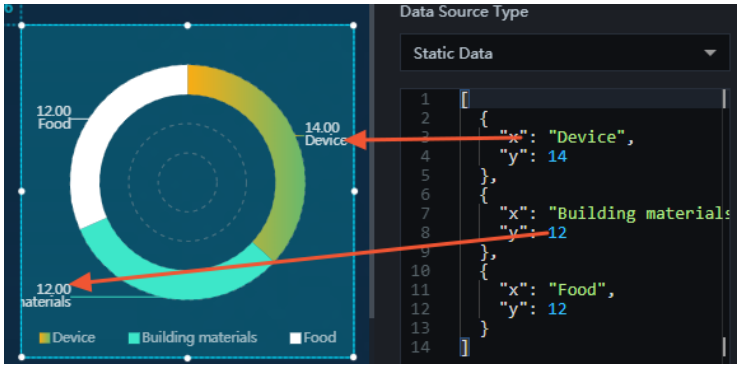


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click + or -. The unit is milliseconds.
  - **Reset All Sectors in Pie Chart**: If you select this option, the animation of each segment in the pie chart is displayed in sequence. If you clear this option, the animation of each segment in the pie chart is displayed at the same time.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Animations of All Series in Sequence**: If you select this option, the animations of all segments in the pie chart are displayed in sequence. If you clear this option, the animations of all segments in the pie chart are displayed at the same time.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click + or -. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- x: text of a category
- y: actual data value of a series



Interaction

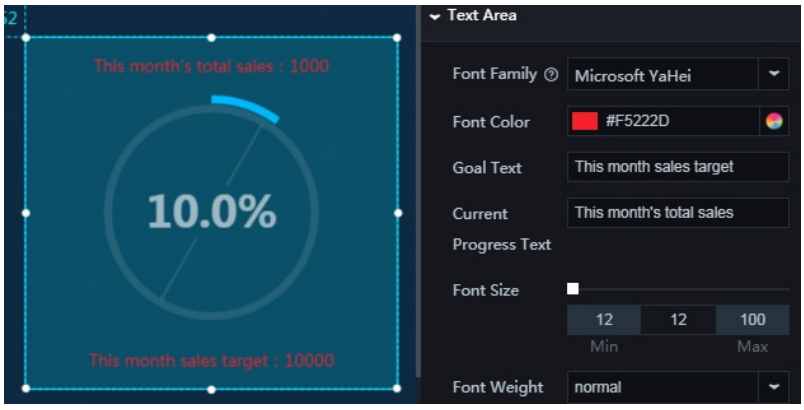
This widget is not connected to any events yet.

4.6. Pie chart with indicator

The pie chart with indicator widget allows you to customize the pie chart style, the goal fulfillment, and other options as needed.

Style

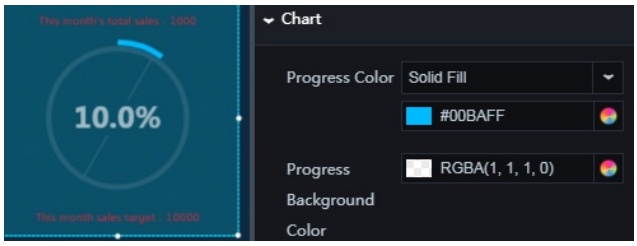
-
- Text Area
  - **Font Family**: To set the font of the top and bottom label text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Color**: To change the font color of the top and bottom label text, see Color picker.
  - **Goal Text**: You can customize the text of the bottom label.
  - **Current Progress Text**: You can customize the text of the top label.
  - **Font Size**: To change the font size of the top and bottom label text, enter a value or drag the slider. The value range is from 12 to 100.
  - **Font Weight**: To set the font weight of the top and bottom label text, click the drop-down arrow and select the target font weight.



- Chart
  - **Progress Color**
    - Solid fill
    - Gradient fill: You can select two colors as the gradient colors. To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.

- **Progress Background Color**: To change the color of the target circle, see Color picker.

  > Note The target circle is under the progress circle.

- **Excess Color**: To change the color of the cross-boundary circle, see Color picker.

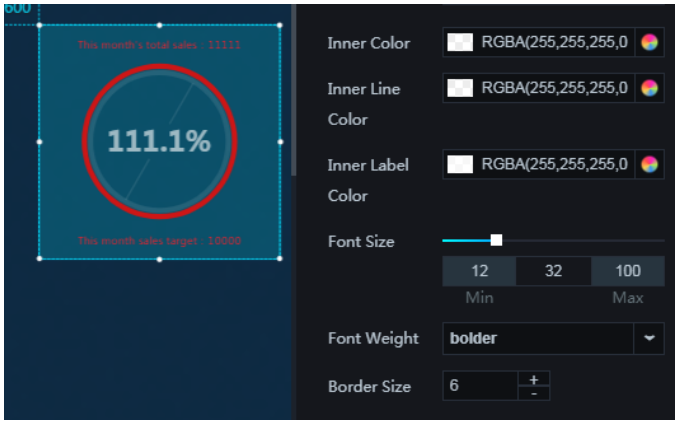
  > Note A cross-boundary circle appears when the actual value exceeds the target value.

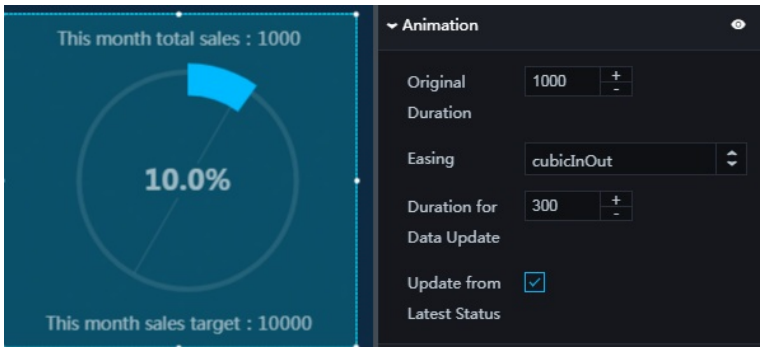
  

- **Inner Color**: To change the color of the inner circle, see Color picker.
- **Inner Line Color**: To change the color of the inner line, see Color picker.
- **Inner Label Color**: To change the color of the percentage value in the inner circle, see Color picker.
- **Font Size**: To change the font size of the percentage value in the inner circle, enter a value or drag the slider. The value range is from 12 to 100.
- **Border Size**: To set the weight of the inner and outer borders, enter a value, or click + or -.

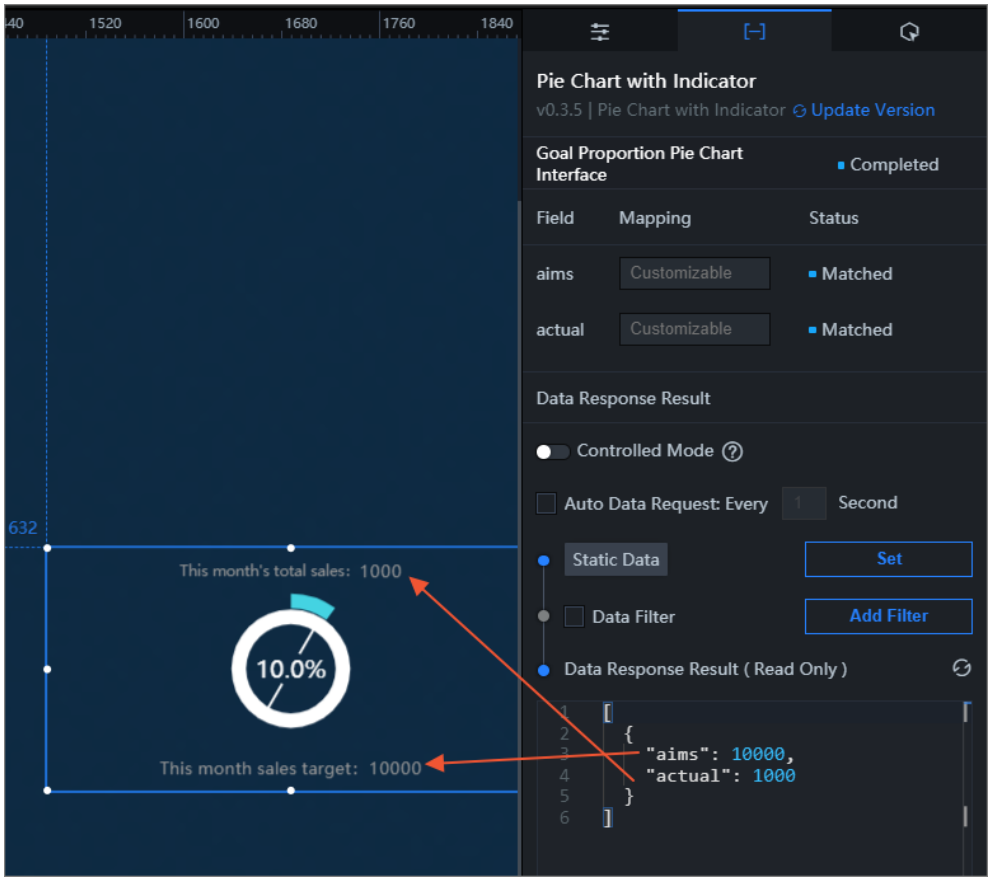
- **Margin**
  - **Top**: To set the distance between the pie chart and the top label, enter a value, or click + or –.
  - **Bottom**: To set the distance between the pie chart and the bottom label, enter a value, or click + or –.

- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click + or –. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click + or –. The unit is milliseconds.
  - **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- aims: target value
- actual: progress value (actual data value)



Interaction

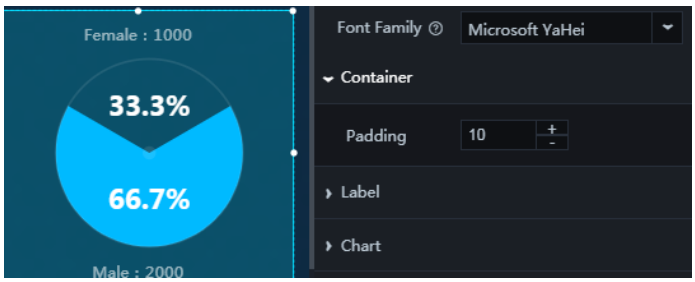
This widget is not connected to any events yet.

4.7. Comparison pie chart I

The comparison pie chart I widget allows you to customize the pie chart style, the comparison of multiple indicators, and other options as needed.

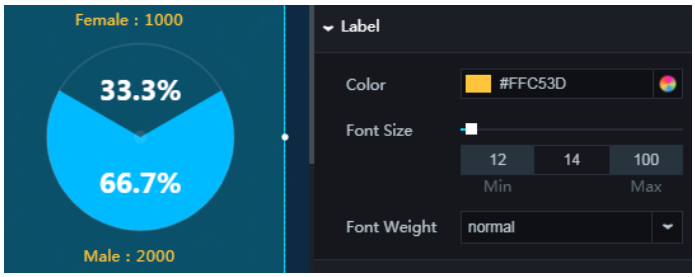
Style

-
- **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Container**
  - **Padding**: To set the distance between the pie chart and the pie chart borders, enter a value, or click **+** or **-**. If the value is too large, the pie chart will move outside the border.

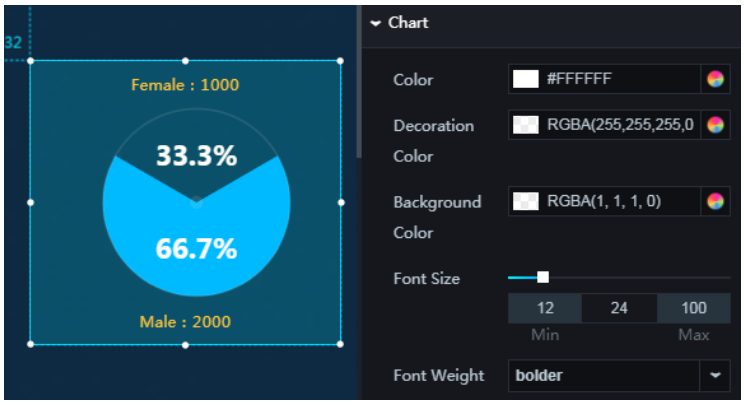


- **Label**
  - **Color**: To change the color of the top and bottom label text, see Color picker.
  - **Font Size**: To set the font size of the top and bottom label text, enter a value or drag the slider. The value range is from 12 to 100.

- **Font Weight**: To set the font weight of the top and bottom label text, click the drop-down arrow and select the target font weight.



- **Chart**
  - **Color**: To change the font color of the percentage values, see Color picker.
  - **Decoration Color**: To change the color of the circle border and center point, see Color picker.
  - **Background Color**: To change the background color of the pie chart, see Color picker.
  - **Font Size**: To change the font size of the percentage values, enter a value or drag the slider. The value range is from 12 to 100.
  - **Font Weight**: To set the font weight of the percentage values, click the drop-down arrow and select the target font weight.

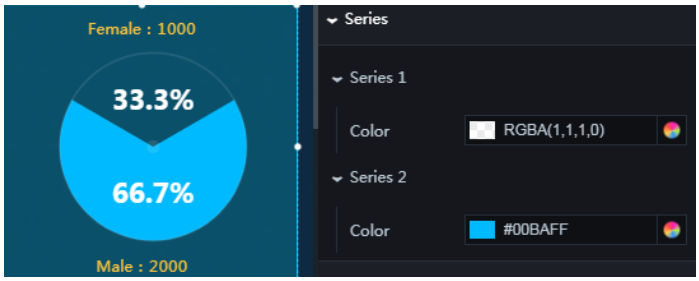


- **Margin**
  - **Top**: To set the distance between the pie chart and the top label, enter a value, or click + or -.
  - **Bottom**: To set the distance between the pie chart and the bottom label, enter a value, or click + or -.
- **Angle Offset**: To change the rotation angle of the content in the pie chart, enter a value or drag the slider. The value range is from 0 to 360.

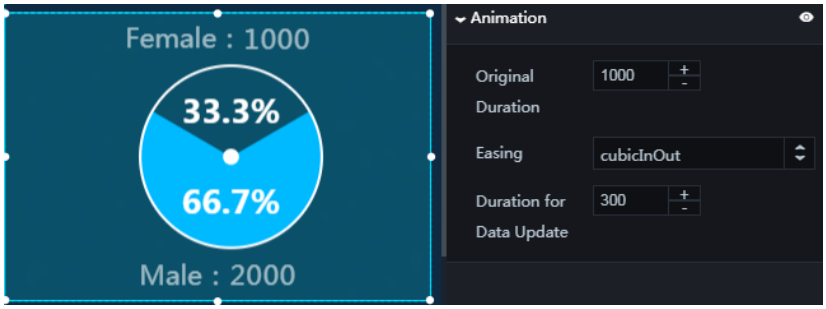
- **Series**

  Series

- **Color**: To change the color of a segment, see Color picker.

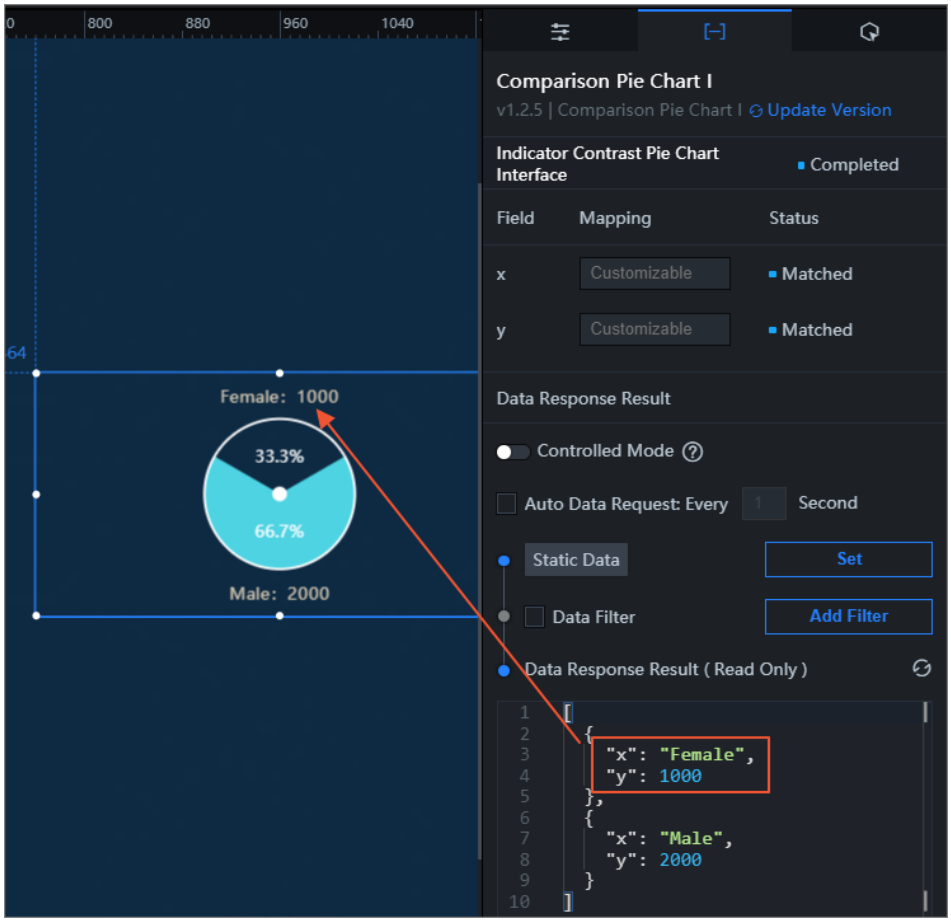


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.



Data

- x: name of a label
- y: value of a label



Interaction

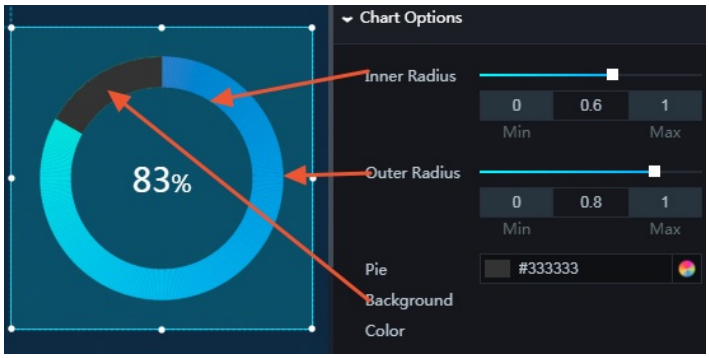
This widget is not connected to any events yet.

4.8. Percentage pie chart

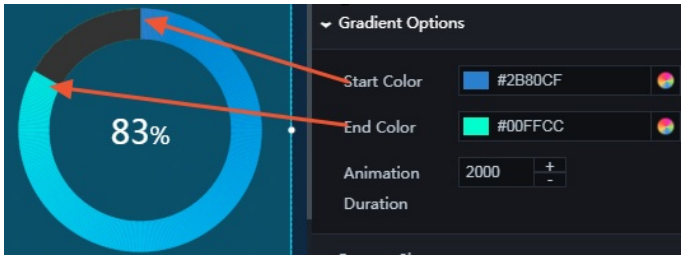
The percentage pie chart widget allows you to customize the pie chart style, the percentage value, and other options as needed.

Style

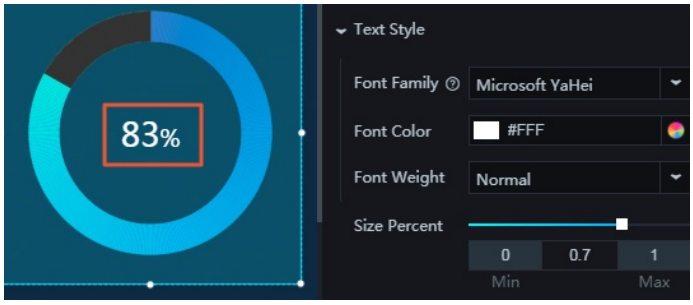
-
- **Chart Options**
  - **Inner Radius**: To change the length of the inner radius, enter a value or drag the slider. The value range of the inner radius is from 0 to 1.
  - **Outer Radius**: To change the length of the outer radius, enter a value or drag the slider. The value range of the outer radius is from 0 to 1.
  - **Pie Background Color**: To change the background color of the pie chart, see Color picker.



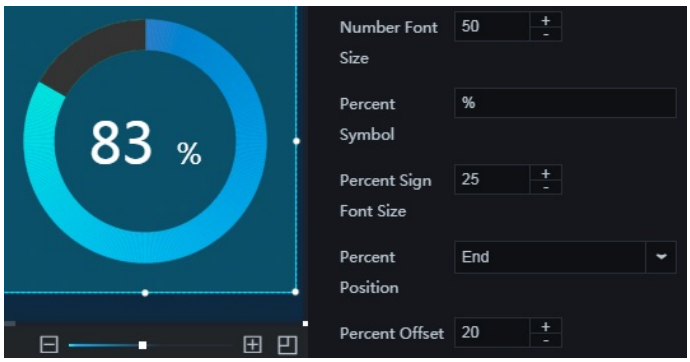
- **Gradient Options**
  - **Start Color**: To change the start color of the segment, see Color picker.
  - **End Color**: To change the end color of the segment, see Color picker. The end color determines the gradient effect.
  - **Animation Duration**: To change the time for which a segment changes its color from the start point to the end point, enter a value, or click + or -.



- **Percent Size**
  - **Text Style**
    - **Font Family**: To set the font of the percentage value, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
    - **Font Color**: To change the font color of the percentage value, see Color picker.
    - **Font Weight**: To set the font weight of the percentage value, click the drop-down arrow and select the target font weight.
    - **Size Percent**: To change the display of the percentage value, enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the numerical value and the percent sign will overlap or will be displayed in two rows.

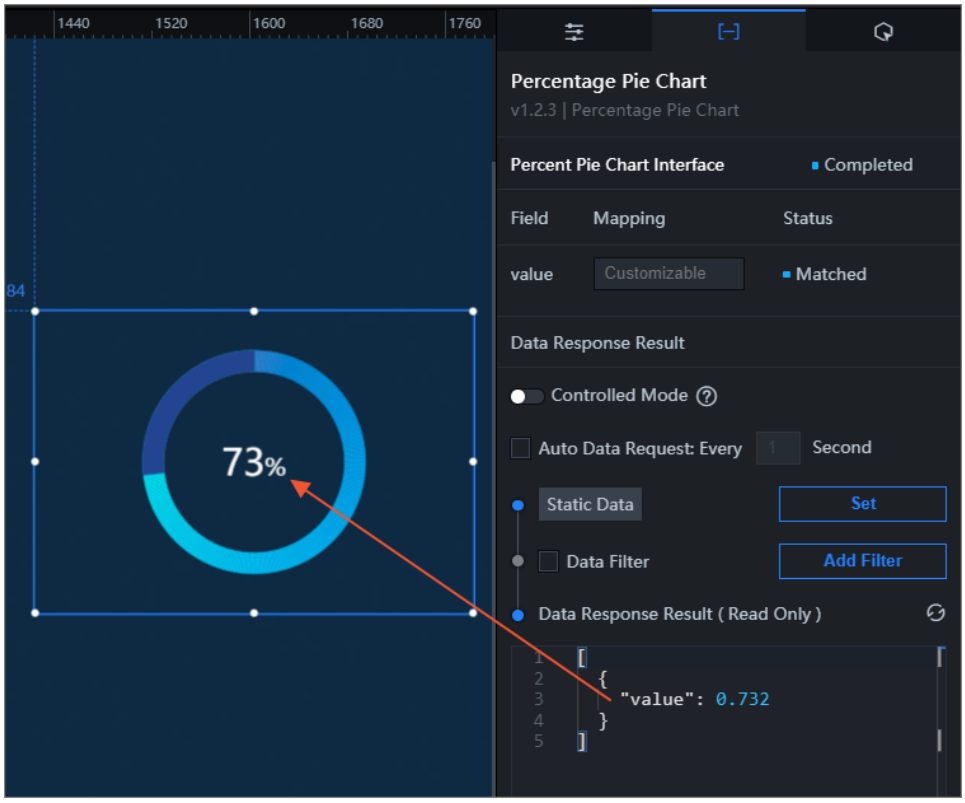


    - **Number Font Size**: To set the font size of the numerical value, enter a value, or click + or -.
    - **Percent Sign**: You can set the percent sign that follows the numerical value when the real data value is displayed as the percentage value.
    - **Percent Sign Font Size**: To set the font size of the percent sign, enter a value, or click + or -.
    - **Percent Position**: To set the position of the percent sign, click the drop-down arrow and select the target position.
      - *Front*
      - *End*
    - **Percent Offset**: To adjust the spacing between the percent sign and the numerical value, enter a value, or click + or -.



Data

value: a decimal number, which indicates the percentage value of a segment in the pie chart. The value 1 indicates 100%.



Interaction

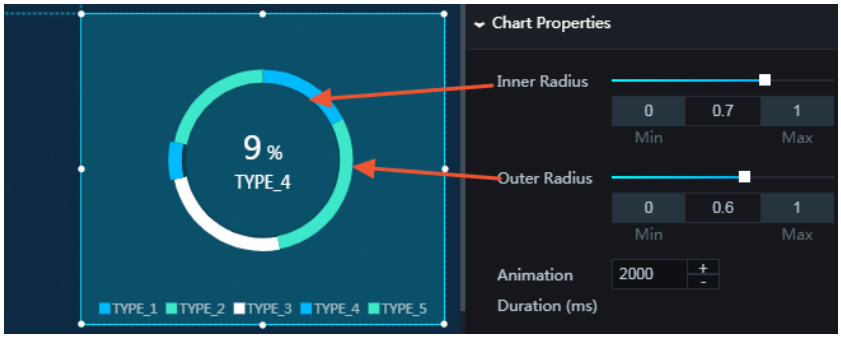
This widget is not connected to any events yet.

4.9. Carousel pie chart

The carousel pie chart widget allows you to customize the pie chart style, animation, the percentage of displayed content, and other options as needed.

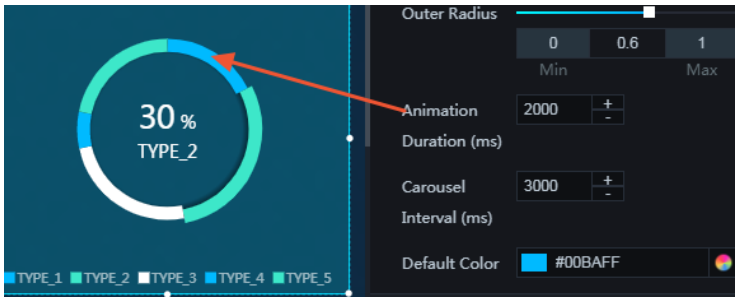
Style

-
- **Chart Properties**
  - **Inner Radius**: To change the length of the inner radius, enter a value or drag the slider. The value range of the inner radius is from 0 to 1.
  - **Outer Radius**: To change the length of the outer radius, enter a value or drag the slider. The value range of the outer radius is from 0 to 1.

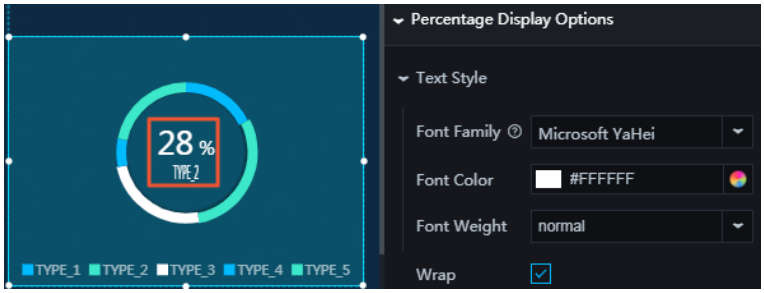


  - **Animation Duration**: To change the time for which a segment moves outward, enter a value, or click + or -.
  - **Carousel Interval**: To change the interval of moving outward between two segments, enter a value, or click + or --.

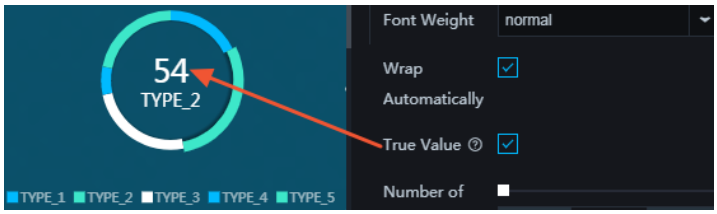
- **Default Color**: To change the default color of the pie chart, see Color picker.



- **Percentage Display Options**
  - **Text Style**
    - **Font Family**: To set the font of the percentage value and the type description, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
    - **Font Color**: To change the font color of the percentage value and the type description, see Color picker.
    - **Font Weight**: To set the font weight of the percentage value and the type description, click the drop-down arrow and select the target font weight.
    - **Wrap Automatically**: If you select this option, the percentage value and the type description are wrapped automatically. If you do not select this option, the percentage value and the type description are not wrapped automatically.



    - **True Value**: If you select this option, the real data value is displayed. If you do not select this option, the percentage value is displayed by default.

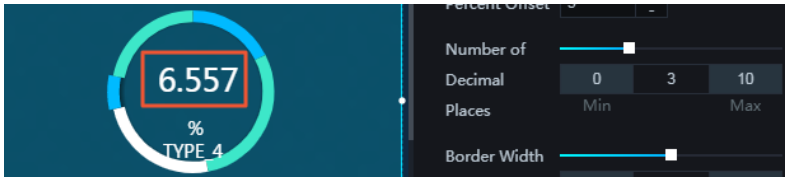


    - **Percent Sign**: You can set the percent sign that follows the numerical value when the real data value is displayed as the percentage value.
    - **Percent Sign Font Size**: To set the font size of the percent sign, enter a value, or click **+** or **-**.
    - **Percent Position**: To set the position of the percent sign, click the drop-down arrow and select the target position.
      - *Front*
      - *End*

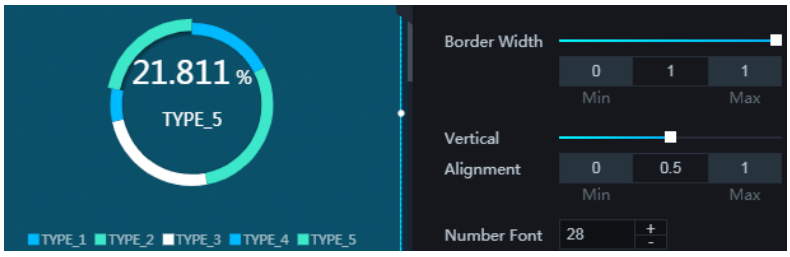
- **Percent Offset**: To adjust the spacing between the percent sign and the numerical value, enter a value, or click + or -.

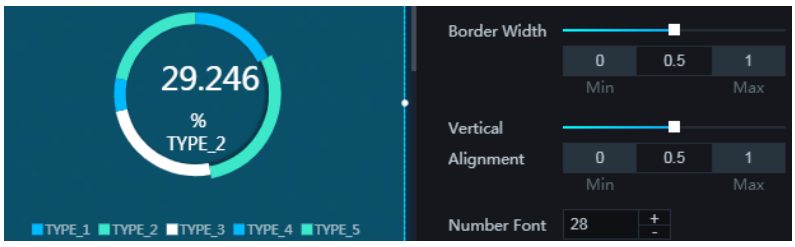
> **Note** The settings of the preceding four options are valid only when *True Value* is not selected.

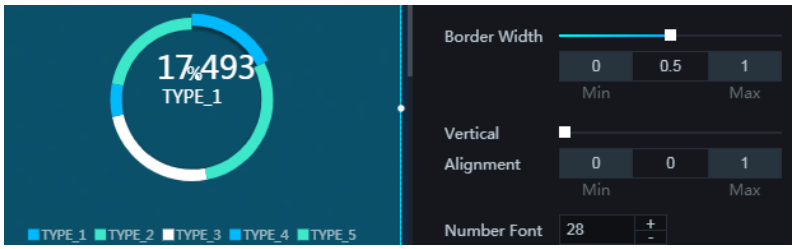
- **Number of Decimal Places**: To change the number of digits to the right of the decimal point, enter a value or drag the slider. This is applicable to both the percentage value and the real data value. The value range is from 0 to 10.



- **Border Width**: To change the border width, enter a value or drag the slider. The value range is from 0 to 1. If the value is too small, the numerical value and the percent sign will overlap or will be displayed in two rows.
- **Vertical Alignment**: To set the height of the displayed content and the distance between the percentage value and the type description, enter a value or drag the slider. The value range is from 0 to 1.

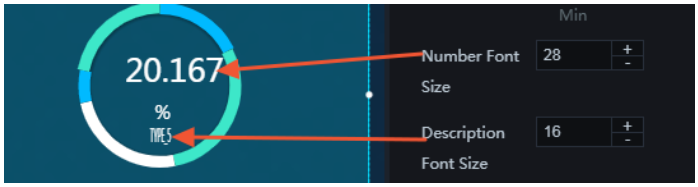




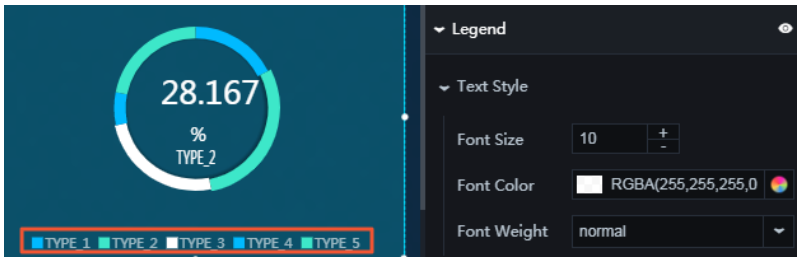


- **Number Font Size**: To set the font size of the numerical value, enter a value, or click + or -.

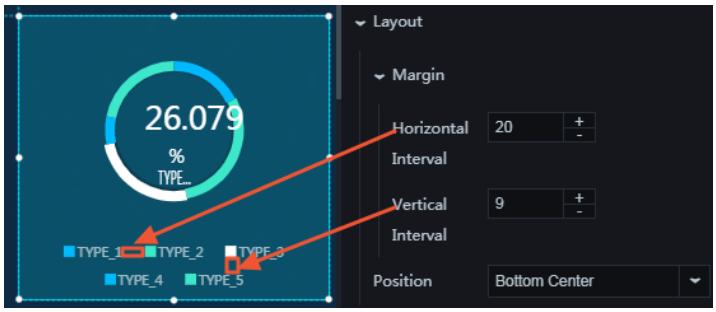
- **Description Font Size**: To set the font size of the type description under the percentage value, enter a value, or click + or -.



- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To set the font size of the legend text, enter a value, or click + or -.
    - **Font Color**: To change the color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.



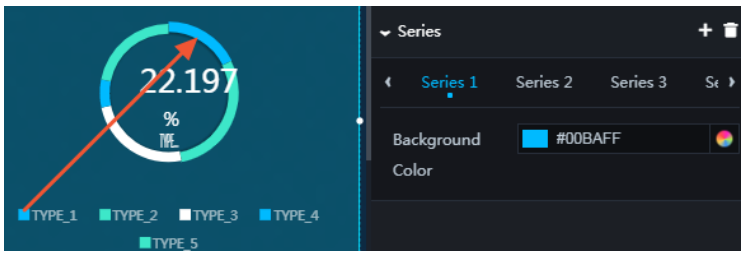
    - **Horizontal Interval**: To set the horizontal distance between the legend items, enter a value, or click + or -.
    - **Vertical Interval**: To set the vertical distance between the legend items, enter a value, or click + or -.
    - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.
      - Top center
      - Top left
      - Top right
      - Bottom center
      - Bottom left
      - Bottom right



- **Series**: To add or delete a series, click + or click the **Trash** icon.

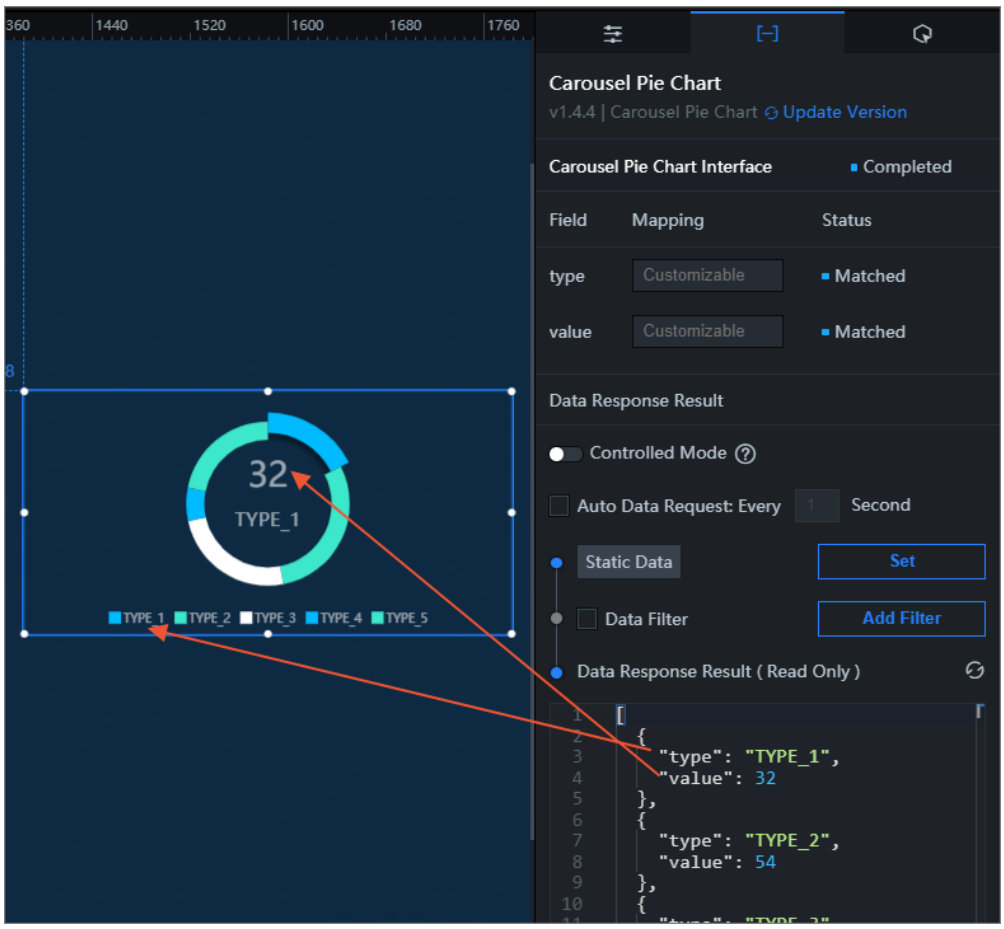
  Series

  - **Background Color**: To set the color of a legend block, see Color picker.



Data

- type: type name, which corresponds to a legend item
- value: type value, which corresponds to a real data value



Interaction

This widget is not connected to any events yet.

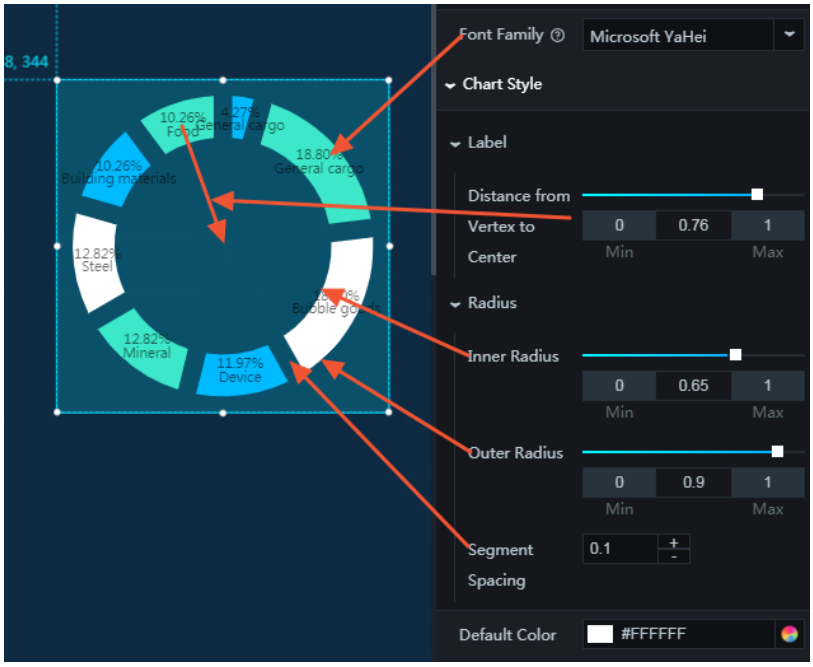
4.10. Basic pie chart I

The basic pie chart I widget allows you to customize the pie chart style, the percentage of different data, and other options as needed.

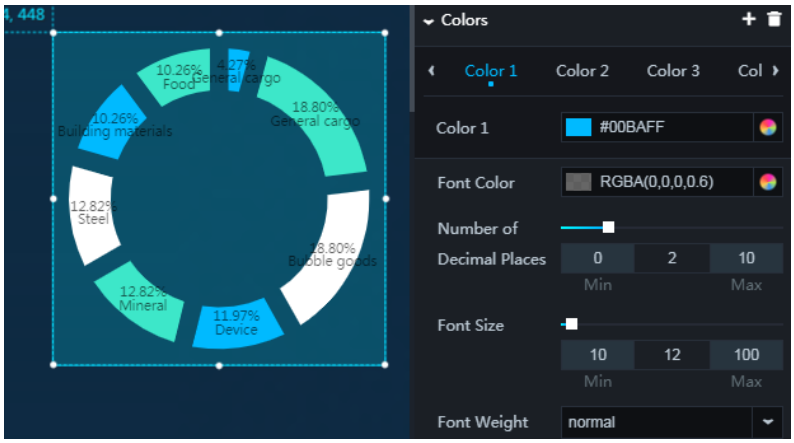
Style

-
- **Font Family**: To change the font of the text in the pie chart, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Chart Style**
  - **Label**
    - **Distance from Vertex to Center**: To change the distance between the labels and the center of the pie chart, enter a value or drag the slider. The value range is from 0 to 1.

- **Radius**
  - **Inner Radius**: To change the length of the inner radius, enter a value or drag the slider. The value range of the inner radius is from 0 to 1.
  - **Outer Radius**: To change the length of the outer radius, enter a value or drag the slider. The value range of the outer radius is from 0 to 1.
  - **Segment Spacing**: To adjust the spacing between the segments, enter a value, or click + or -. The maximum value cannot be greater than 1.

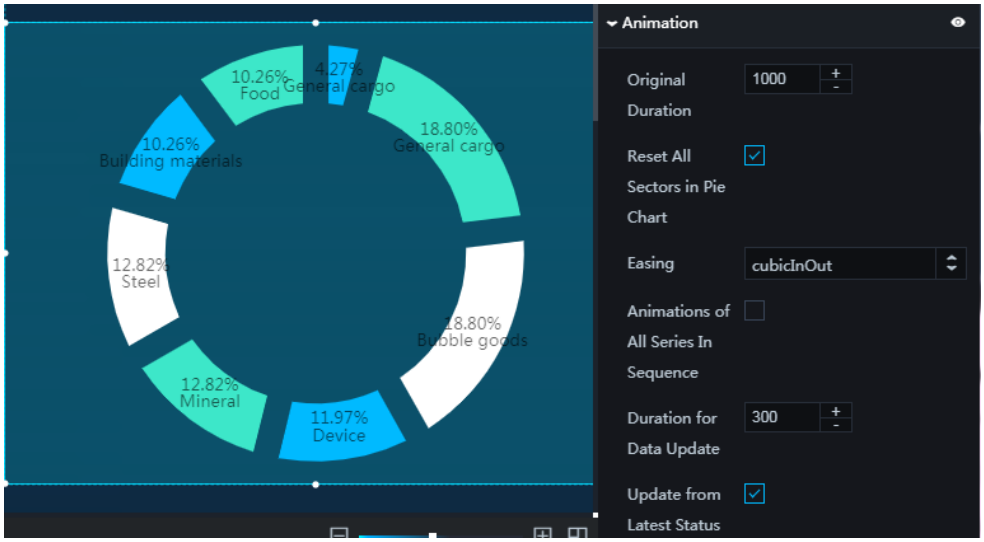


- **Colors**: To add or delete a segment or segments of the same color, click + or click the **Trash** icon.
  - **Color**: To change the color of different segments, see Color picker.
  - **Font Color**: To change the font color of the label names and percentage values, see Color picker.
  - **Number of Decimal Places**: To change the number of digits to the right of the decimal point, enter a value or drag the slider. The value range is from 0 to 10.
  - **Font Size**: To change the font size of the label names and percentage values, enter a value or drag the slider. The value range is from 10 to 100.
  - **Font Weight**: To change the font weight of the label names and percentage values, click the drop-down arrow and select the target font weight.



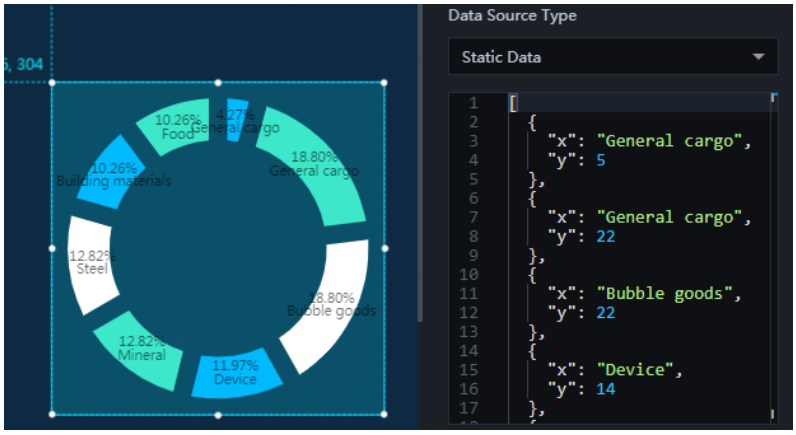
- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click + or -. The unit is milliseconds.

- **Reset All Sectors in Pie Chart**: If you select this option, the animation of each segment in the pie chart is displayed in sequence. If you clear this option, the animation of each segment in the pie chart is displayed at the same time.
- **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
- **Animations of All Series in Sequence**: If you select this option, the animations of all segments in the pie chart are displayed in sequence. If you clear this option, the animations of all segments in the pie chart are displayed at the same time.
- **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click + or -. The unit is milliseconds.
- **Update from Latest Status**: If you select this option, the animation begins from the segment where the data has changed. If you clear this option, the animation begins from the starting point.



Data

- x: label name
- y: label value, which corresponds to the percentage value of this label



Interaction

This widget is not connected to any events yet.

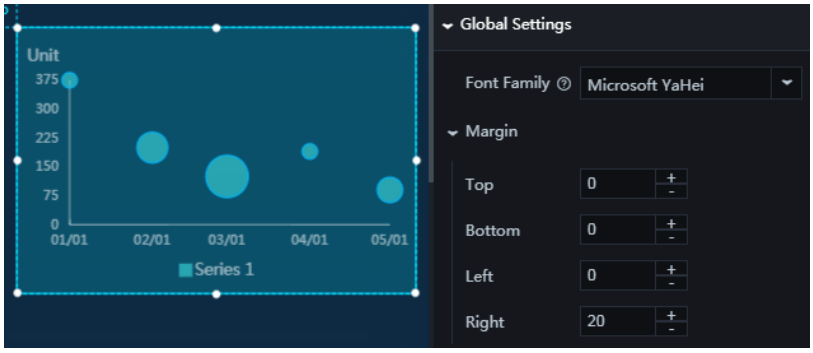
5.Scatter charts

5.1. Bubble chart

You can add one or more bubble charts to a project to display data in different time periods.

Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Margin**
    - **Top**: To adjust the spacing between the chart and the top border, enter a value, or click **+** or **-**.
    - **Bottom**: To adjust the spacing between the chart and the bottom border, enter a value, or click **+** or **-**.
    - **Left**: To adjust the spacing between the chart and the left border, enter a value, or click **+** or **-**.
    - **Right**: To adjust the spacing between the chart and the right border, enter a value, or click **+** or **-**.



- **X Axis**
  - **Text Style**
    - **Font Size**: To change the font size of the text along the x-axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the x-axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the x-axis, click the drop-down arrow and select the target font weight.

- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Data Type**: To set the data type of the axis labels, click the drop-down arrow and select the target type.
    - Numeric
    - Category
    - Time
  - **Data Format**: To set the data format, click the drop-down arrow and select the target format.

    > **Note** This option is displayed only when **Data Type** is set to *Time*. The data format must match the time format.

  - **Display Format**: To set the display format of the data, click the drop-down arrow and select the target format.

    > **Note** The data along the x-axis can be displayed in time or numeric format. If you select the time format, keep the decimal digits as needed. If you select the numeric format, set the year, month, day, hour, and second as needed.

  - **Max**: You can customize the maximum time or number value to be displayed. The maximum value can be displayed in time or numeric format.
  - **Min**: You can customize the minimum time or number value to be displayed. The minimum value can be displayed in time or numeric format.

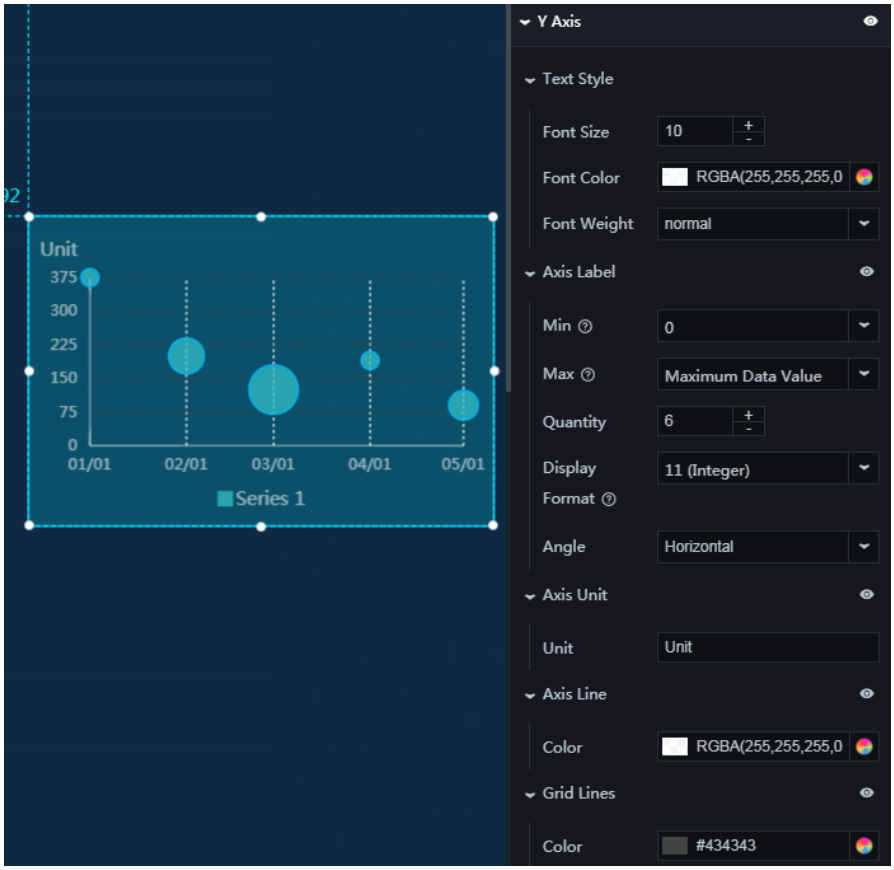
    > **Note** The default minimum and maximum values are auto. If auto is displayed, the minimum and maximum values of the axis labels are automatically calculated and displayed.

  - **Unit**: You can customize the unit of data along the x-axis as needed. If the spacing between the chart and the right border is too small, the unit will not be displayed. The unit can be in time or numeric format.
  - **Quantity**: To change the number of x-axis labels, enter a value, or click **+** or **-**.
  - **Angle**: To set the angle of the x-axis labels, click the drop-down arrow and select the target angle.
    - Horizontal
    - Slant
    - Vertical
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: To change the color of the x-axis line, see Color picker.

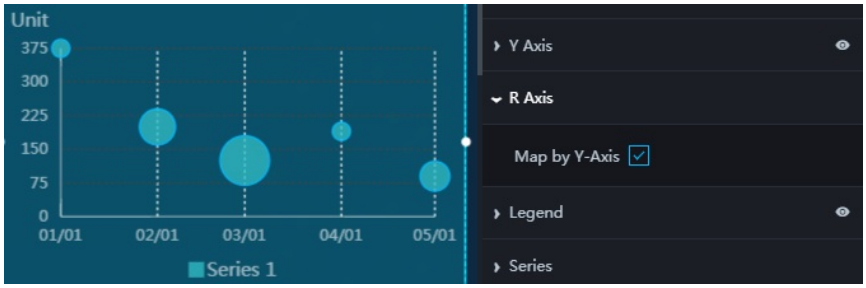
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: To change the color of the grid lines, see Color picker.

- **Y Axis**
  - **Text Style**
    - **Font Size**: To change the font size of the text along the y-axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the y-axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the y-axis, click the drop-down arrow and select the target font weight.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.
    - **Min**: To set the format of the minimum value along the y-axis, click the drop-down arrow and select the target format.
      - Minimum data value
      - Automatic rounding
    - **Max**: To set the format of the maximum value along the y-axis, click the drop-down arrow and select the target format.
      - Maximum data value
      - Automatic rounding
    - **Quantity**: To change the number of y-axis labels, enter a value, or click **+** or **-**.
    - **Display Format**: To set the display format of the axis labels, click the drop-down arrow and select the target format.
    - **Angle**: To set the angle of the y-axis labels, click the drop-down arrow and select the target angle.
      - Horizontal
      - Slant
      - Vertical

- **Axis Unit**: To display the axis unit, click the **Eye** icon.
  - **Unit**: You can customize the unit of data along the y-axis as needed.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: To change the color of the y-axis line, see Color picker.
- **Grid Lines**
  - **Color**: To change the color of the grid lines, see Color picker.

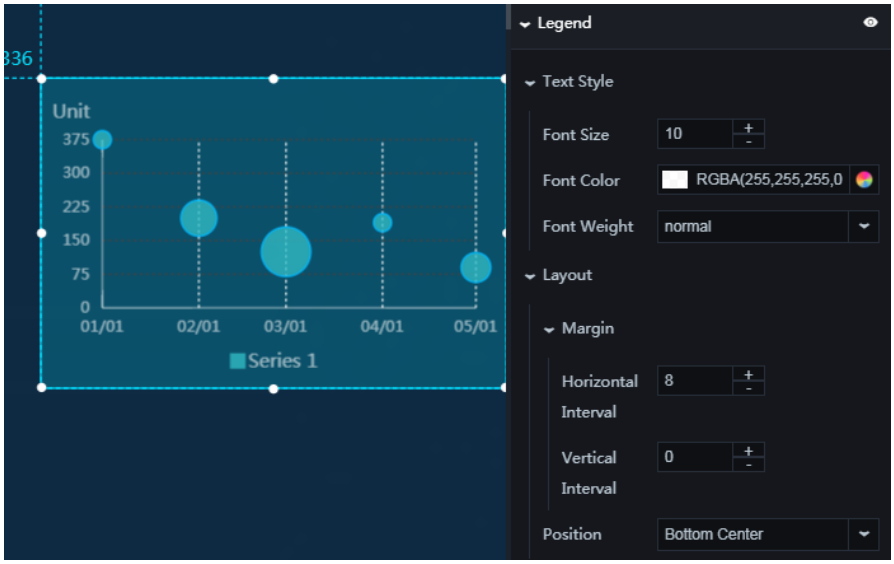


- **Bubbles**
  - **Map by Y-Axis**
    - If you select this option, the minimum and maximum radii of the bubbles are mapped according the minimum and maximum values along the y-axis.
    - If you clear this option, you need to customize the value range of the bubbles to control the bubble radii
      - **Min**: You can set the minimum value for a bubble, and the system will compare the value you set with the r value in the data pane. If the r value is smaller than the set value, the bubble is not displayed. If the r value is greater than the set value, the bubble is displayed. The radius of the bubble = (r value - the minimum value)/the maximum value × r value.
      - **Max**: You can set the maximum value for a bubble, and the system will compare the value you set with the r value in the data pane. If the r value is smaller than the set value, the bubble is not displayed. If the r value is greater than the set value, the bubble is displayed. The radius of the bubble = (r value - the minimum value)/the maximum value × r value.

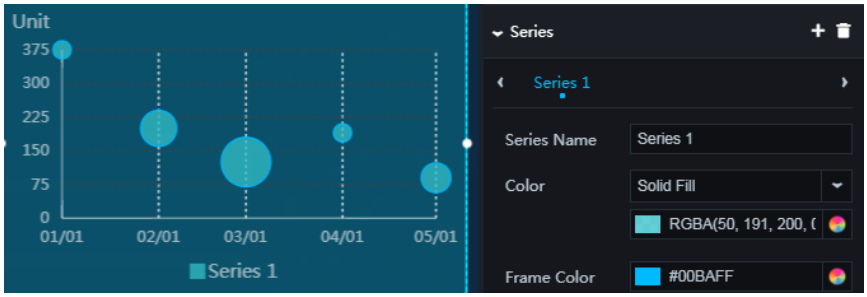


- **Legend**

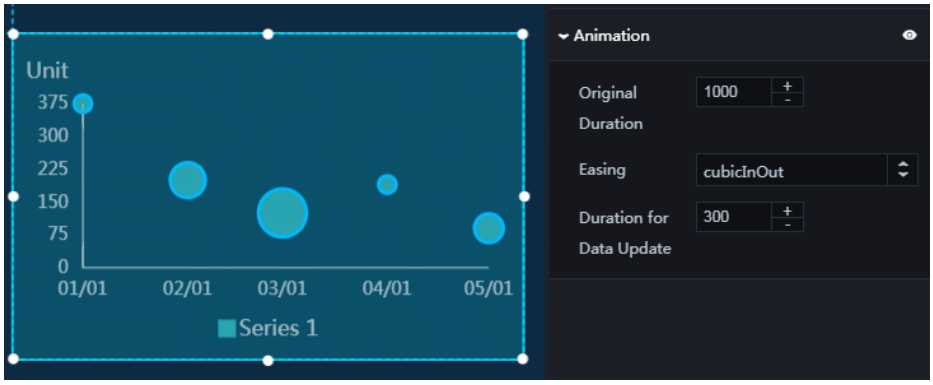
- **Text Style**
  - **Font Size**: To change the font size of the legend text, enter a value, or click + or -.
  - **Font Color**: To change the font color of the legend text, see Color picker.
  - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.
- **Layout**
  - **Margin**
    - **Horizontal Interval**: To adjust spacing 1 (spacing between the legend item or legend items and the right border of the chart) and spacing 2 (spacing between the legend item or legend items and the left border of the chart), enter a value, or click + or -. The setting takes effect only when two or more series are set.
    - **Vertical Interval**: To adjust spacing 1 (spacing between the legend item or legend items and the top border of the chart) and spacing 2 (spacing between the legend item or legend items and the bottom border of the chart), enter a value, or click + or -.
  - **Position**: To set the position of one or more legend items, click the drop-down arrow and select the target position.
    - Top center
    - Top left
    - Top right
    - Bottom center
    - Bottom left
    - Bottom right



- **Series**: To add or delete a series, click + or click the **Trash** icon.
  - **Series Name**: You can set a name for the series as needed.
  - **Color**: To set the fill color type of the center point of the bubbles, click the drop-down arrow and select the target type. To change the fill color, see Color picker.
    - Solid fill
    - Gradient fill: You can select two colors as the gradient colors.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
  - **Outline Color**: To change the outline color of the bubbles, see Color picker.

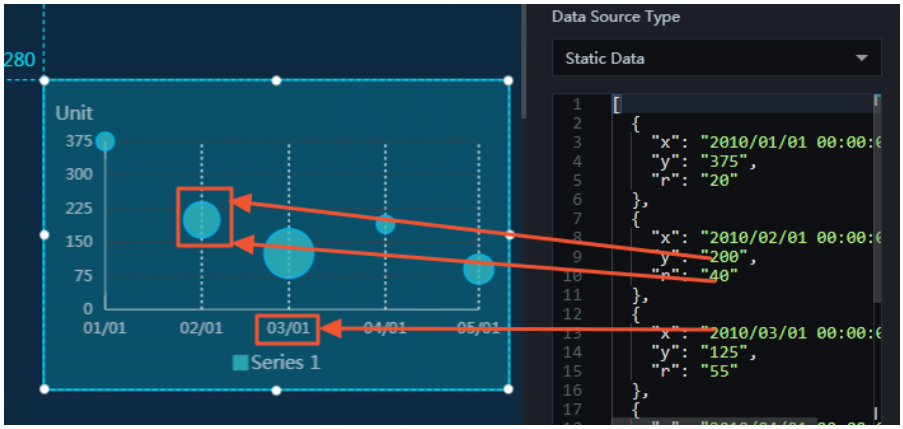


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.



Data

- x: label along the x-axis
- y: data along the y-axis
- r: radius of the bubbles in the bubble chart (This field takes effect when the data is not mapped by the y-axis.)
- s: (optional) series, which indicates the data category



Interaction

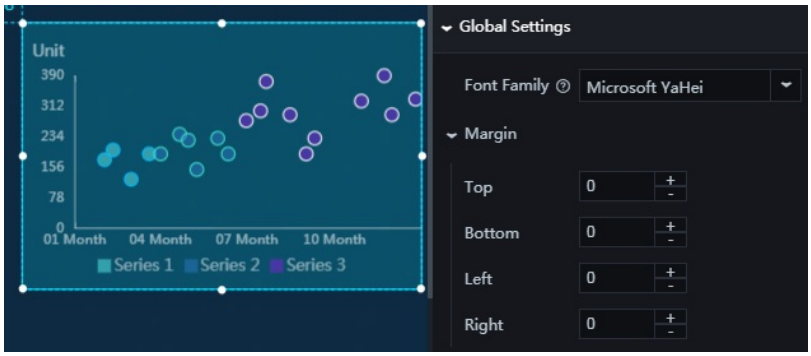
This widget is not connected to any events yet.

5.2. Scatter plot

You can add one or more scatter plots to a project to display the series in different time periods.

Style

-
- Global Settings
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Margin**
    - **Top**: To adjust the spacing between the scatter plot and the top border, enter a value, or click + or -.
    - **Bottom**: To adjust the spacing between the scatter plot and the bottom border, enter a value, or click + or -.
    - **Left**: To adjust the spacing between the scatter plot and the left border, enter a value, or click + or -.
    - **Right**: To adjust the spacing between the scatter plot and the right border, enter a value, or click + or -.



- X Axis
  - **Text Style**
    - **Font Size**: To change the font size of the text along the x-axis, enter a value, or click + or -.
    - **Font Color**: To change the font color of the text along the x-axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the x-axis, click the drop-down arrow and select the target font weight.

- **Axis Label**: To display the axis labels, click the **Eye** icon.
  - **Data Type**: To set the data type of the axis labels, click the drop-down arrow and select the target type.

    > **Note** The data type corresponds to the value of the x field in the data pane. If the value is a date, set the data type to time. If the value is a category, set the data type to category. If the value is a number, set the data type to numeric.

    - Numeric
    - Category
    - Time
  - **Data Format**: To set the data format, click the drop-down arrow and select the target format.

    > **Note** This option is displayed only when **Data Type** is set to *Time*. The data format must match the time format.

  - **Display Format**: To set the display format of the data along the x-axis, click the drop-down arrow and select the target format. The data can be displayed in time or numeric format. If you select the time format, keep the decimal digits as needed. If you select the numeric format, set the year, month, day, hour, and second as needed.
  - **Max**: You can customize the maximum time or number value to be displayed. The maximum value can be displayed in time or numeric format.
  - **Min**: You can customize the minimum time or number value to be displayed. The minimum value can be displayed in time or numeric format.

    > **Note** The default minimum and maximum values of the axis labels indicate a time range. The values in the time range correspond to the x field in the data pane. If the data in the data pane is inconsistent with a value in the time range, the value in the time range takes priority.

  - **Unit**: You can customize the unit of data along the x-axis as needed. If the spacing between the scatter plot and the right border is too small, the unit will not be displayed. The unit can be in time or numeric format.
  - **Quantity**: To change the number of x-axis labels, enter a value, or click **+** or **-**.
  - **Angle**: To set the angle of the x-axis labels, click the drop-down arrow and select the target angle.
    - Horizontal
    - Slant
    - Vertical
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: To change the color of the x-axis line, see Color picker.

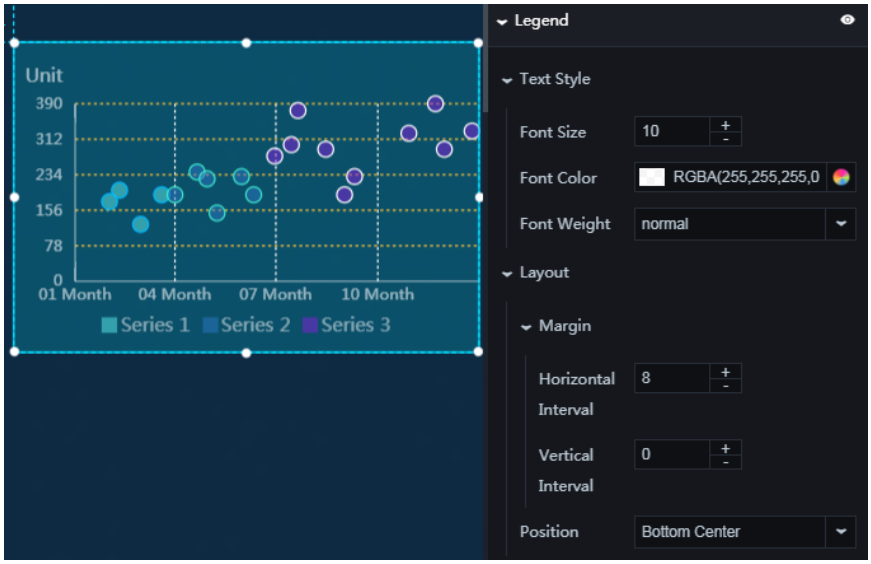
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: To change the color of the grid lines, see Color picker.

- **Y Axis**
  - **Text Style**
    - **Font Size**: To change the font size of the text along the y-axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the y-axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the y-axis, click the drop-down arrow and select the target font weight.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.
    - **Min**: To set the format of the minimum value along the y-axis, click the drop-down arrow and select the target format.
      - Minimum data value
      - Automatic rounding
    - **Max**: To set the format of the maximum value along the y-axis, click the drop-down arrow and select the target format.
      - Maximum data value
      - Automatic rounding
    - **Quantity**: To change the number of y-axis labels, enter a value, or click **+** or **-**.
    - **Display Format**: To set the display format of the axis labels, click the drop-down arrow and select the target format.
    - **Angle**: To set the angle of the y-axis labels, click the drop-down arrow and select the target angle.
      - Horizontal
      - Slant
      - Vertical

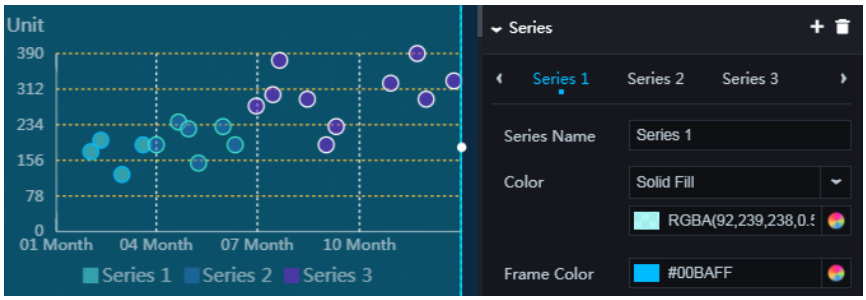
- **Axis Unit**: To display the axis unit, click the **Eye** icon.
  - **Unit**: You can customize the unit of data along the y-axis as needed.
- **Axis Line**: To display the axis line, click the **Eye** icon.
  - **Color**: To change the color of the y-axis line, see Color picker.
- **Grid Lines**: To display the grid lines, click the **Eye** icon.
  - **Color**: To change the color of the grid lines, see Color picker.

- **Legend**
  - **Text Style**
    - **Font Size**: To change the font size of the legend items, enter a value, or click + or -.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.

- **Layout**
  - **Margin**
    - **Horizontal Interval**: To adjust spacing 1 (spacing between the legend items and the right border of the scatter plot) and spacing 2 (spacing between the legend items and the left border of the scatter plot), enter a value, or click + or -.
    - **Vertical Interval**: To adjust spacing 1 (spacing between the legend items and the top border of the scatter plot) and spacing 2 (spacing between the legend items and the bottom border of the scatter plot), enter a value, or click + or -.
  - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.
    - Top center
    - Top left
    - Top right
    - Bottom center
    - Bottom left
    - Bottom right



- **Series**: To add or delete a series, click + or click the **Trash** icon. The series value corresponds to the value of the s field in the data pane.
  - **Series**: You can set a name for the series as needed.
  - **Color**: To set the fill color type, click the drop-down arrow and select the target type. To change the fill color, see Color picker.
    - Solid fill
    - Gradient fill: You can select two colors as the gradient colors.
    - To change the gradient angle, enter a value or drag the slider. The value range is from 0 to 360.
  - **Outline Color**: To change the outline color of the plots, see Color picker.

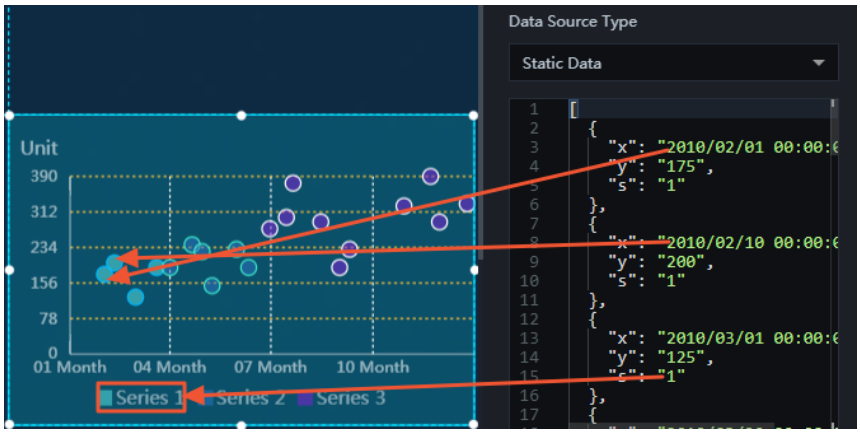


- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click + or -. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.

- **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click + or -. The unit is milliseconds.

Data

- x: category data along the x-axis
- y: data along the y-axis
- s: (optional) series, which indicates the data category



Interaction

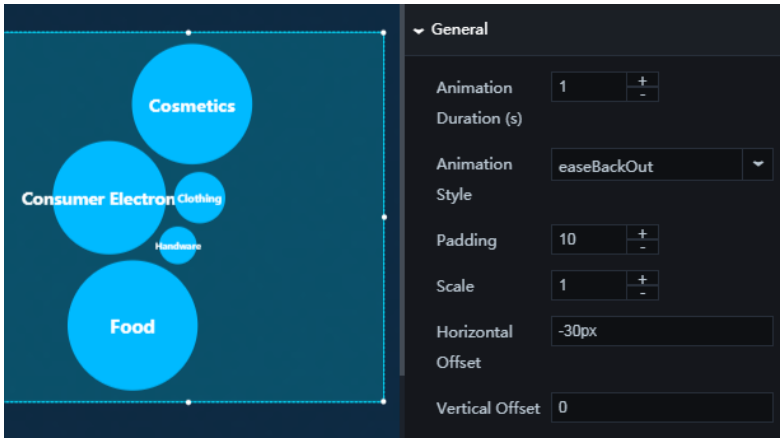
This widget is not connected to any events yet.

5.3. Single bubble chart - 11.11 Global Shopping Festival

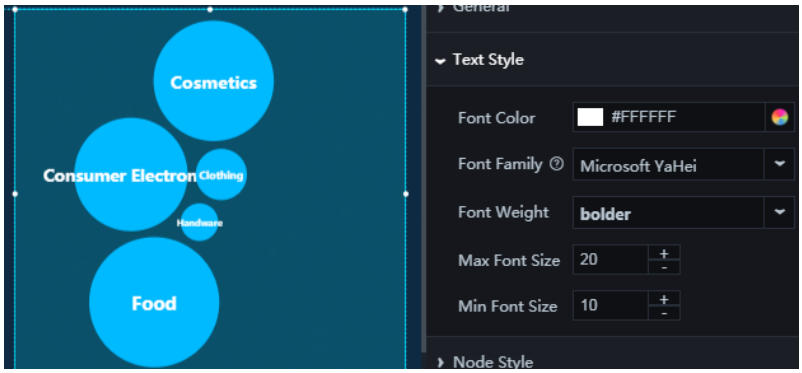
You can add one or more single bubble charts (11.11 Global Shopping Festival) to a project to display data using the bubbles of different types and sizes.

Style

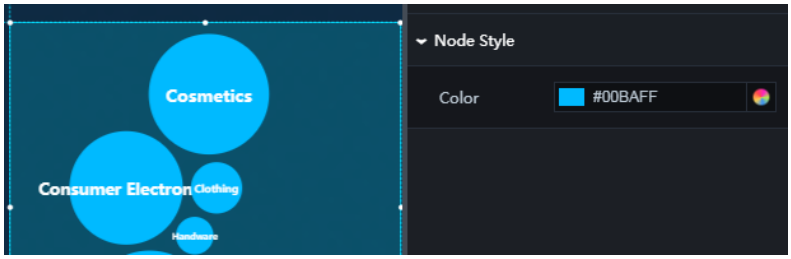
-
- General
  - **Animation Duration**: To set the animation duration, enter a value, or click + or -.
  - **Animation Type**: To set the animation type, click the drop-down arrow and select the target type.
  - **Padding**: To adjust the spacing between the bubbles, enter a value, or click + or -.
  - **Scale**: To change the proportion of the bubbles in the chart, enter a value, or click + or -.
  - **Horizontal Offset**: You can adjust the horizontal spacing between the bubbles as needed. The unit is pixels.
  - **Vertical Offset**: You can adjust the vertical spacing between the bubbles as needed. The unit is pixels.



- **Text Style**
  - **Font Color**: To change the font color of the displayed text, see Color picker.
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Weight**: To set the font weight of the displayed text, click the drop-down arrow and select the target font weight.
  - **Max Font Size**: To change the maximum font size of the displayed text, enter a value, or click + or -.
  - **Min Font Size**: To change the minimum font size of the displayed text, enter a value, or click + or -.

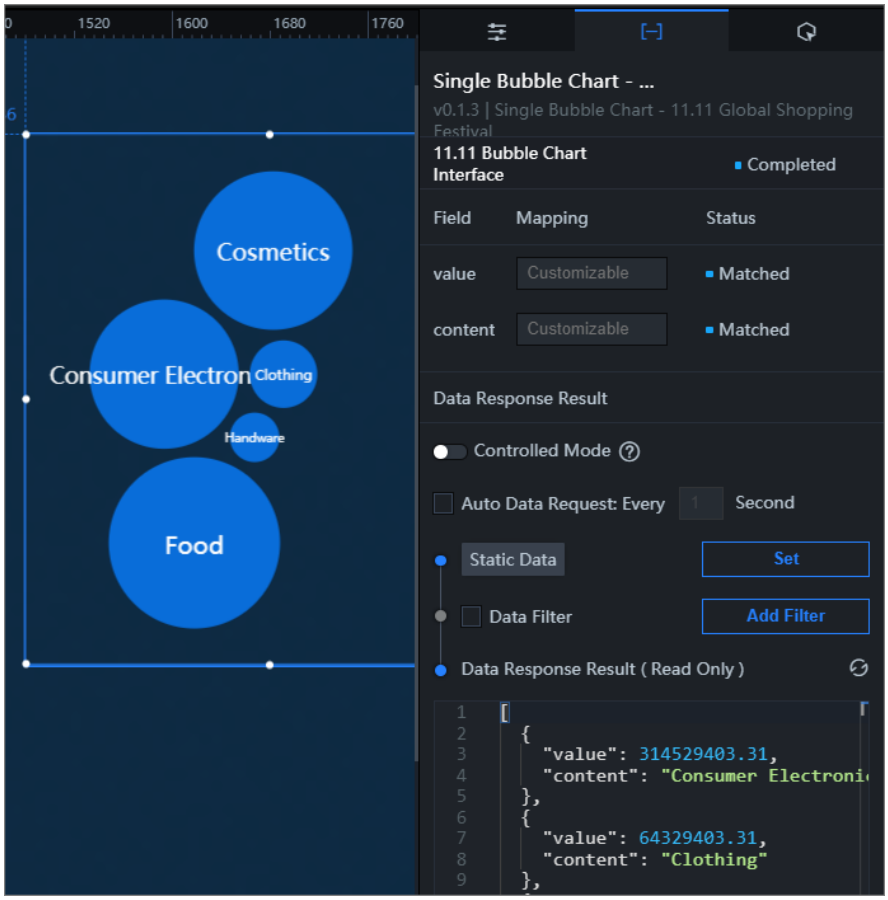


- **Node Style**
  - **Color**: To change the color of the bubbles, see Color picker.



Data

- value: data value that corresponds to a bubble
- content: text of a bubble label



Interaction

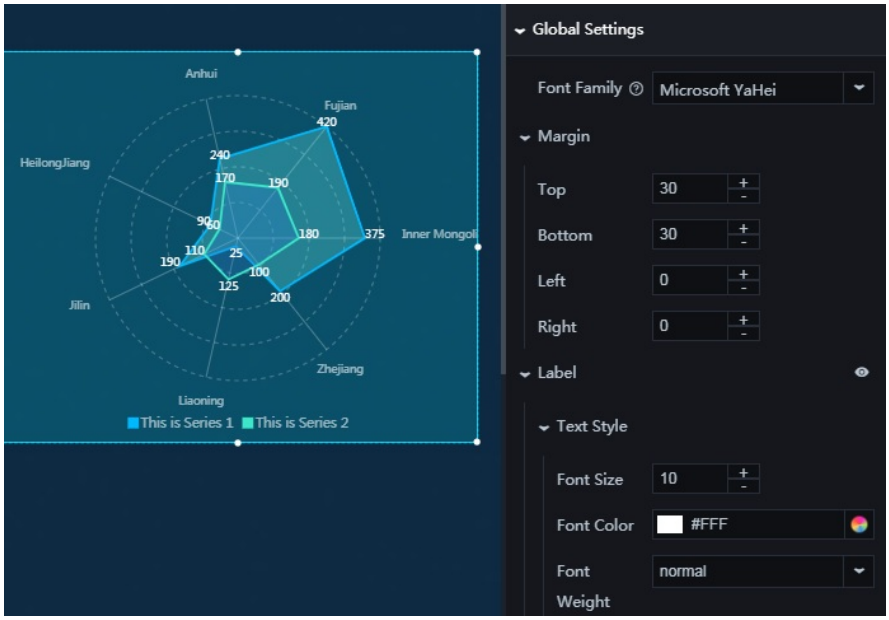
This widget is not connected to any events yet.

6.Radar chart
6.1. Radar chart

You can add one or more radar charts to a project to display the data of different categories and series.

Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Margin**
    - **Top**: To adjust the spacing between the chart and the top border, enter a value, or click **+** or **-**.
    - **Bottom**: To adjust the spacing between the chart and the bottom border, enter a value, or click **+** or **-**.
    - **Left**: To adjust the spacing between the chart and the left border, enter a value, or click **+** or **-**.
    - **Right**: To adjust the spacing between the chart and the right border, enter a value, or click **+** or **-**.
  - **Label**: To display the labels, click the **Eye** icon.
    - **Text Style**
      - **Font Size**: To change the font size of the label text, enter a value, or click **+** or **-**.
      - **Font Color**: To change the font color of the label text, see Color picker.
      - **Font Weight**: To set the font weight of the label text, click the drop-down arrow and select the target font weight.



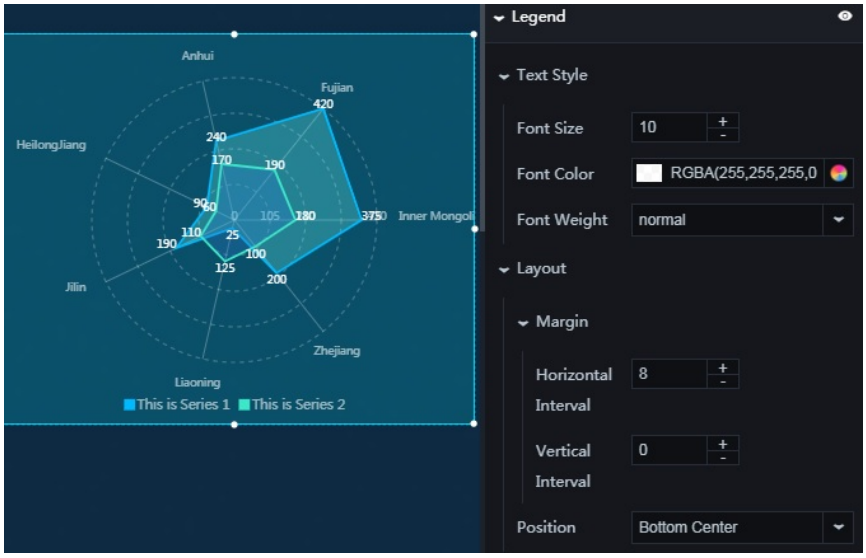
- **Angle Axis**
  - **Text Style**
    - **Font Size**: To change the font size of the text along the angle axis, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the angle axis, see Color picker.
    - **Font Weight**: To set the font weight of the text along the angle axis, click the drop-down arrow and select the target font weight.
    - **Rotate Angle**: To change the rotation angle of the angle axis, enter a value or drag the slider. The value range is from 0 to 360.

- Circles
  - Text Style
    - **Font Size**: To change the font size of the text along the circles, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the text along the circles, see Color picker.
    - **Font Weight**: To set the font weight of the text along the circles, click the drop-down arrow and select the target font weight.
  - **Axis Label**: To display the axis labels, click the **Eye** icon.
    - **Min**: You can customize the minimum value of an axis label as needed.
    - **Max**: You can customize the maximum value of an axis label as needed.

    > **Note** By default, the minimum value of an axis label is 0, and the maximum value of an axis label is auto. If auto is displayed, the maximum and minimum values in the data pane are automatically calculated and displayed in the radar chart.
  - **Axis Line**: To display the axis lines, click the **Eye** icon.
    - **Color**: To change the color of the axis lines, see Color picker.

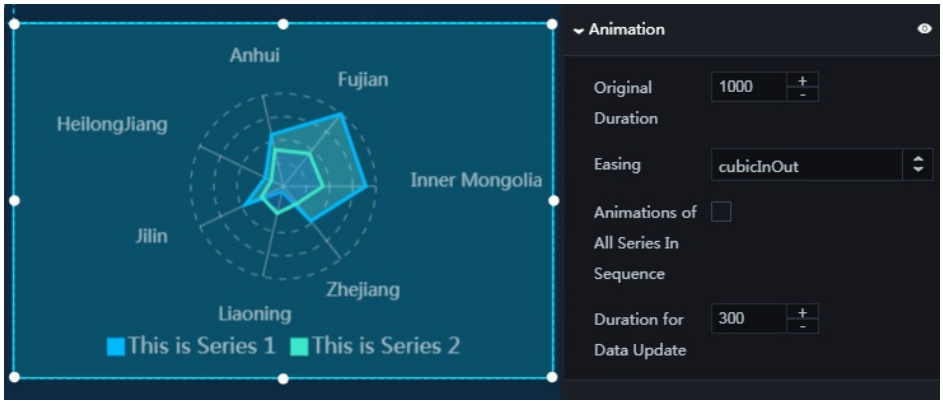
- **Concentric Lines**: To display the concentric lines, click the **Eye** icon.
  - **Color**: To change the color of the concentric lines, see Color picker.

- **Legend**: To display the legend items, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the legend text, enter a value, or click + or -.
    - **Font Color**: To change the font color of the legend text, see Color picker.
    - **Font Weight**: To set the font weight of the legend text, click the drop-down arrow and select the target font weight.
  - **Layout**
    - **Margin**
      - **Horizontal Interval**: To adjust spacing 1 (spacing between the legend items and the right border of the chart) and spacing 2 (spacing between the legend items and the left border of the chart), enter a value, or click + or -.
      - **Vertical Interval**: To adjust spacing 1 (spacing between the legend items and the top border of the chart) and spacing 2 (spacing between the legend items and the bottom border of the chart), enter a value, or click + or -.
    - **Position**: To set the position of the legend items, click the drop-down arrow and select the target position.
      - Top center
      - Top left
      - Top right
      - Bottom center
      - Bottom left
      - Bottom right



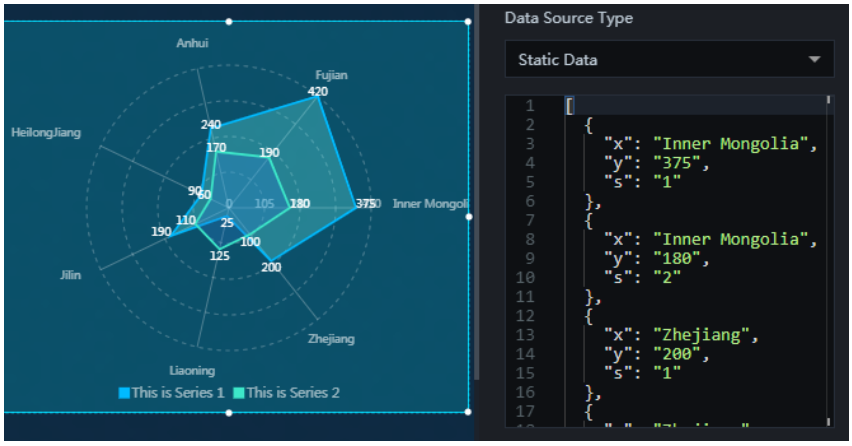
- **Series**: To add or delete a series, click **+** or click the **Trash** icon.
  - **Series Value**: You can customize the value of a series as needed. The series value is the same as the value of the s field in the data pane.
  - **Series Name**: You can set a name for the series as needed.
  - **Stroke Color**: To change the stroke color, see Color picker.
  - **Stroke Width**: To change the stroke width, enter a value or drag the slider. The value range is from 0 to 10.
  - **Fill**: To change the color of a series, see Color picker.

- **Animation**: To display the animation option, click the **Eye** icon.
  - **Original Duration**: To change the duration to which the widget renders the animation for the first time, enter a value, or click **+** or **-**. The unit is milliseconds.
  - **Easing**: To set animation easing, click the drop-down arrow and select the target effect.
  - **Animations of All Series in Sequence**: If you select this option, the animations of all segments in the chart are displayed in sequence. If you clear this option, the animations of all segments in the chart are displayed at the same time.
  - **Duration for Data Update**: To change the animation duration when data changes, enter a value, or click **+** or **-**. The unit is milliseconds.



Data

- x: category text in the chart
- y: actual value corresponding to a category in the chart
- s: series value in the chart



Interaction

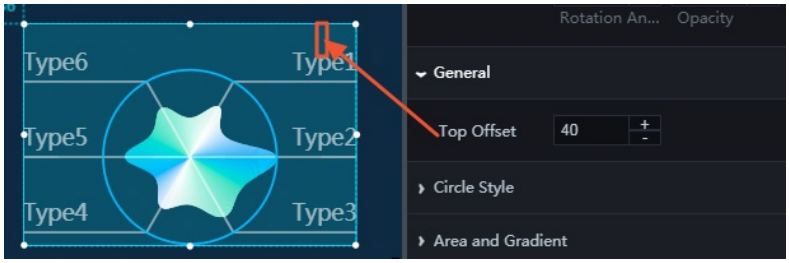
This widget is not connected to any events yet.

6.2. Radar chart - 11.11 Global Shopping Festival

You can add one or more radar charts (11.11 Global Shopping Festival) to display the data percentages clearly.

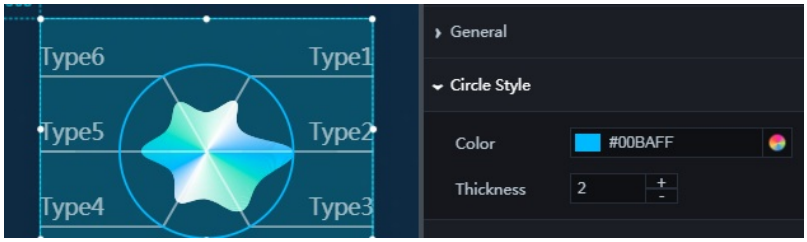
Style

-
- General
  - **Top Offset**: To adjust the spacing between the chart and the top border, enter a value, or click + or -.



- Circle Style
  - **Color**: To change the color of the outer circle, see Color picker.

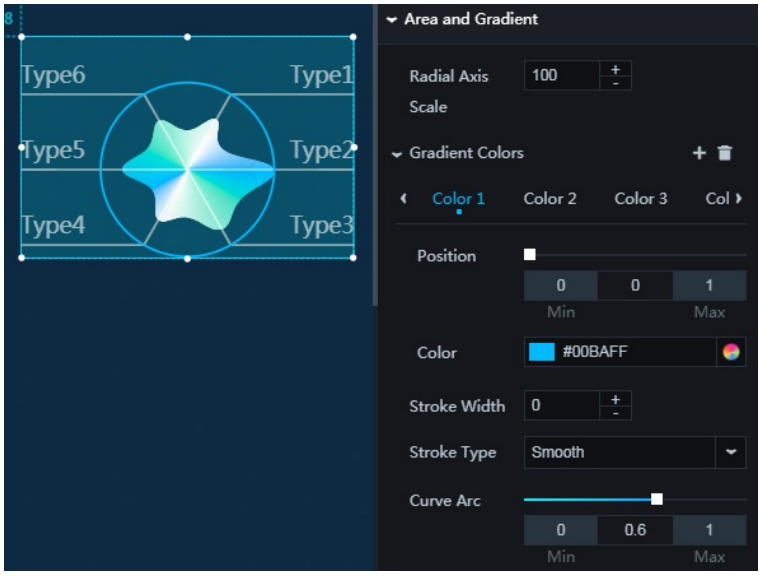
- **Thickness**: To change the weight of the outer circle, enter a value, or click + or -.



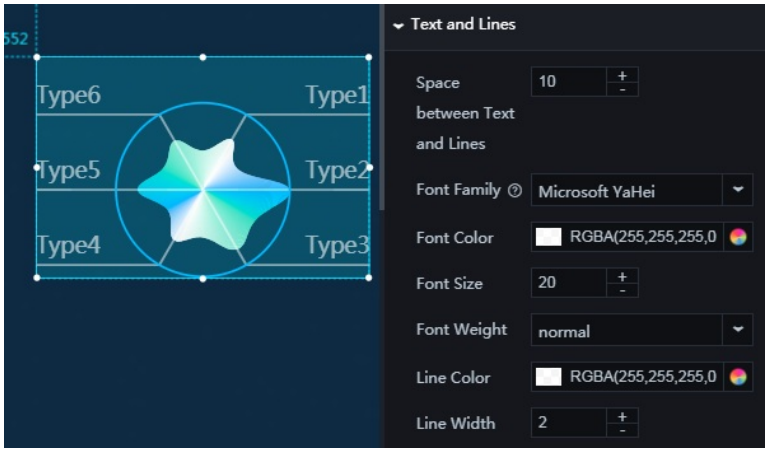
- **Area and Gradient**
  - **Radial Axis Scale**: To change the radial axis scale, enter a value, or click + or -.
  - **Gradient Colors**: To change the colors of different areas, see Color picker.

    > **Note** To add or delete a color, click + or click the **Trash** icon.

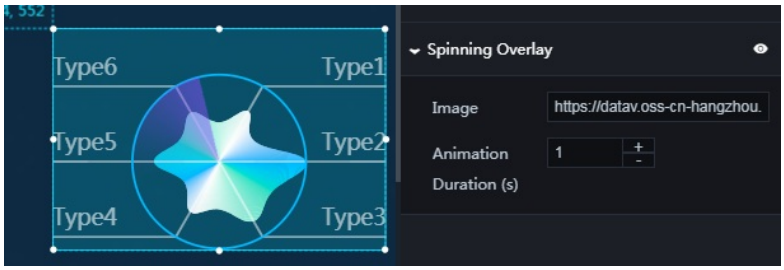
  - **Stroke Width**: To change the stroke width of the radar areas, enter a value, or click + or -.
  - **Stroke Type**: To change the stroke type of the radar areas, click the drop-down arrow and select the target type.
    - Smooth
    - Linear
  - **Curve Arc**: To change the arc of the radar area stroke, enter a value or drag the slider. The value range is from 0 to 1.



- **Text and Lines**
  - **Space Between Text and Lines**: To adjust the spacing between the displayed text and the lines, enter a value or drag the slider.
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Family**: To change the font color of the displayed text, see Color picker.
  - **Font Size**: To change the font size of the displayed text, enter a value or drag the slider.
  - **Font Weight**: To set the font weight of the displayed text, click the drop-down arrow and select the target font weight.
  - **Line Color**: To change the color of the lines, see Color picker.
  - **Line Width**: To change the width of the lines, enter a value or drag the slider.

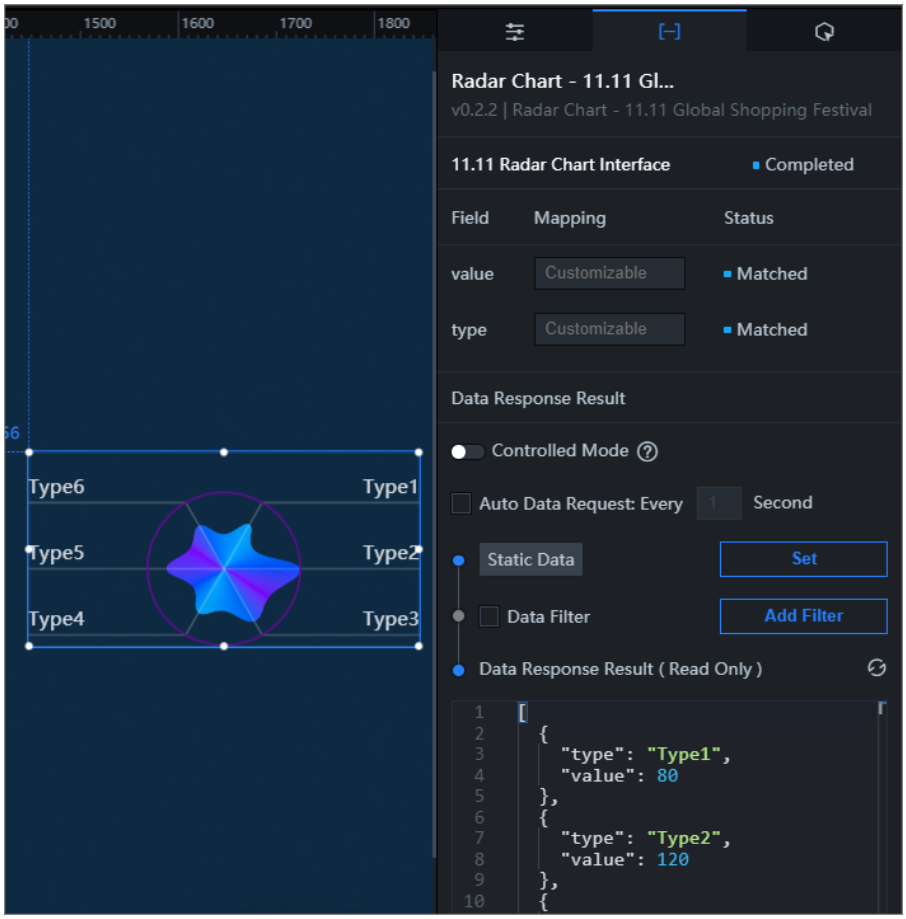


- **Spinning Overlay**
  - **Image**: To add an image, enter or paste the image URL.
  - **Animation Duration**: To change the animation duration, enter a value, or click **+** or **-**.



Data

- type: icon text
- value: type value. A greater value indicates a larger radial area within the chart.



Interaction

This widget is not connected to any events yet.

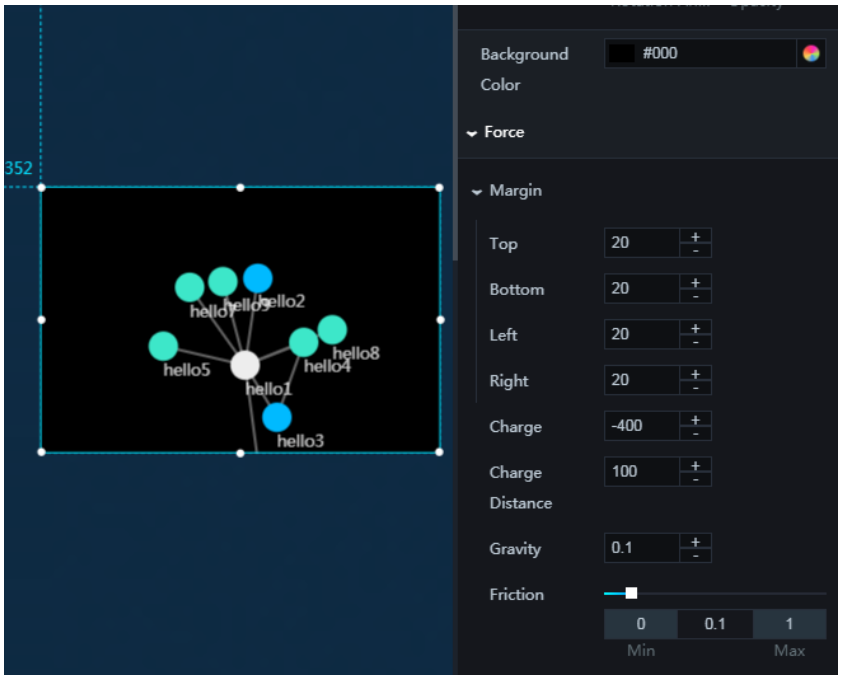
7.Networks

7.1. Network diagram

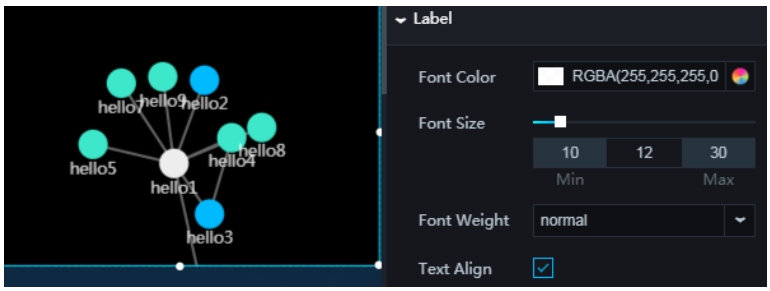
This topic uses the **network diagram** widget as an example to describe how to configure networks widgets.

Style

-
- **Background Color**: To change the background color of the network diagram, see Color picker.
- **Force**
  - **Margin**: To adjust the position of the force-directed graph in relation to the borders, enter a value, or click + or -.
  - **Charge**: To adjust the force of the nodes, enter a value, or click + or -. The larger the value is, the denser the nodes are clustered.
  - **Charge Distance**: To adjust the margin between the nodes, enter a value, or click + or -.
  - **Gravity**: To adjust the gravity of the nodes, enter a value, or click + or -. The larger the gravity is, the denser the nodes are clustered.
  - **Friction**: To adjust the friction between the nodes, enter a value or drag the slider. The value range is from 0 to 1.

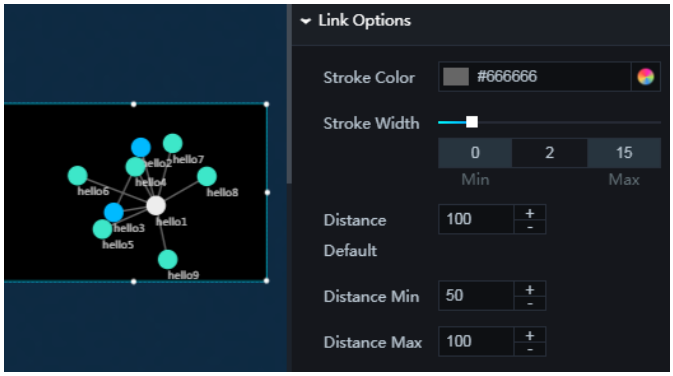


- **Label**
  - **Font Color**: To change the font color of the label text, see Color picker.
  - **Font Size**: To set the font size of the label text, enter a value or drag the slider.
  - **Font Weight**: To set the font weight of the label text, click the drop-down arrow and select the target font weight.
  - **Text Align**: If you select this option, the label text is set in a position relative to the center of the nodes.

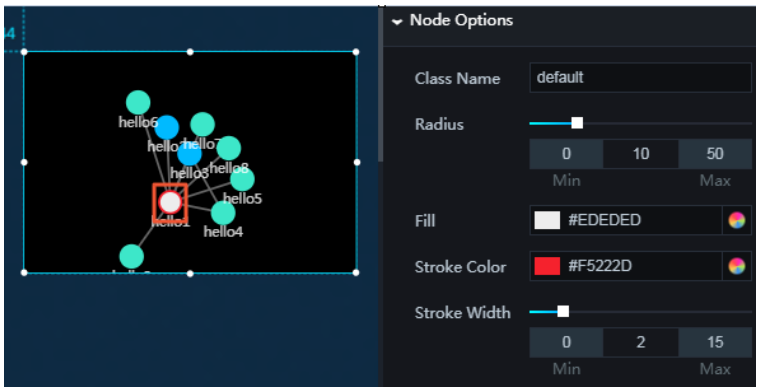


- **Link Options**
  - **Stroke Color**: To change the color of the lines, see Color picker.

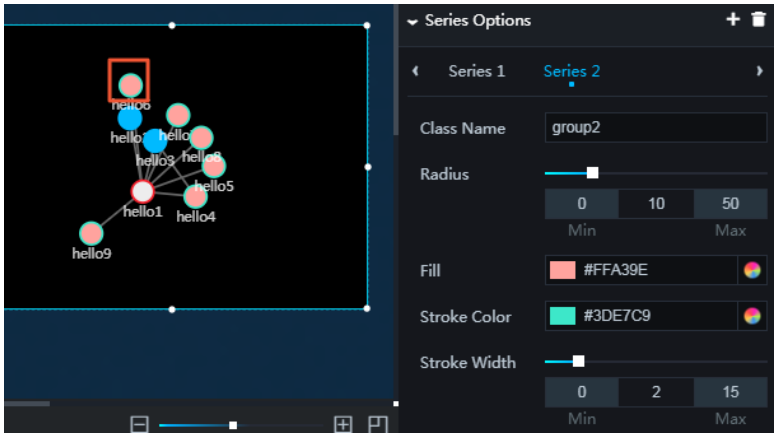
- **Stroke Width**: To change the width of the lines, enter a value or drag the slider.
- **Distance Default**: To change the length of the lines, enter a value, or click + or -.
- **Distance Min**: To change the minimum length of the lines, enter a value, or click + or -.
- **Distance Max**: To change the maximum length of the lines, enter a value, or click + or -.



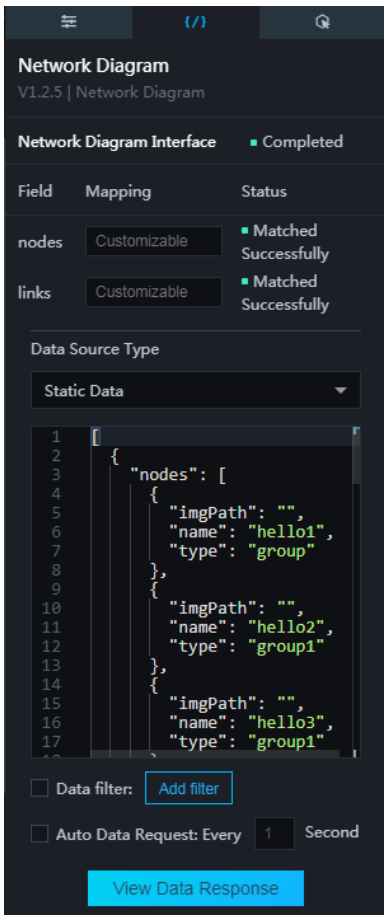
- **Node Options**
  - **Class Name**: You can enter a name for the center node.
  - **Radius**: To change the radius of the center node, enter a value or drag the slider.
  - **Fill**: To change the fill color of the center node, see Color picker.
  - **Stroke Color**: To change the outline color of the center node, see Color picker.
  - **Stroke Width**: To change the outline width of the center node, enter a value or drag the slider.



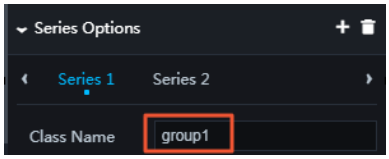
- **Series Options**: To add or delete a node, click + or click the **Trash** icon.
  - **Class Name**: You can enter a name for the type. If the name is not set for the *type* field in the data pane, the default name is used.
  - **Radius**: To change the node radius of the same type, enter a value or drag the slider.
  - **Fill**: To change the fill color of the nodes, see Color picker.
  - **Stroke Color**: To change the outline color of the nodes, see Color picker.
  - **Stroke Width**: To change the outline width of the nodes, enter a value or drag the slider.



Data



- nodes: node in the network diagram. The following fields are included:
  - imgPath: image URL. If this field is empty, the nodes are displayed as circles by default.
  - name: node name.
  - type: node type. You can set the type in **Class Name** in the configuration pane. As shown in the preceding figure, the node whose type is set to *group1* uses the name of *group1*.



- links: links in the network diagram. The following fields are included:

- source: source node of the lines. The value of this field is the same as the name of the source node.
- target: destination node of the lines. The value of this field is the same as the name of the destination node.
- value: line length.

Interaction

This widget is not connected to any events yet.

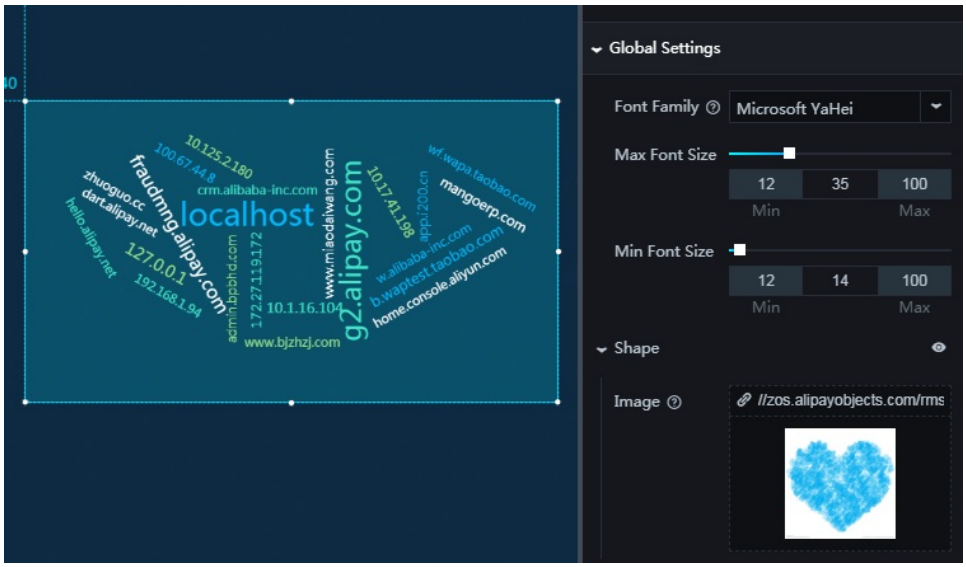
8.Other charts

8.1. Word cloud

The word cloud widget allows you to customize the style and shape of the word clouds and the data values as needed.

Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Max Font Size**: To set the maximum font size of the displayed text, enter a value or drag the slider.
  - **Min Font Size**: To set the minimum font size of the displayed text, enter a value or drag the slider.
- **Shape**: To display the shape of the word cloud, click the **Eye** icon.
  - **Image**: To delete the image, click the **Delete** icon in the dashed line box. You can enter an image URL or drag an existing image to the dashed line box from your local server.

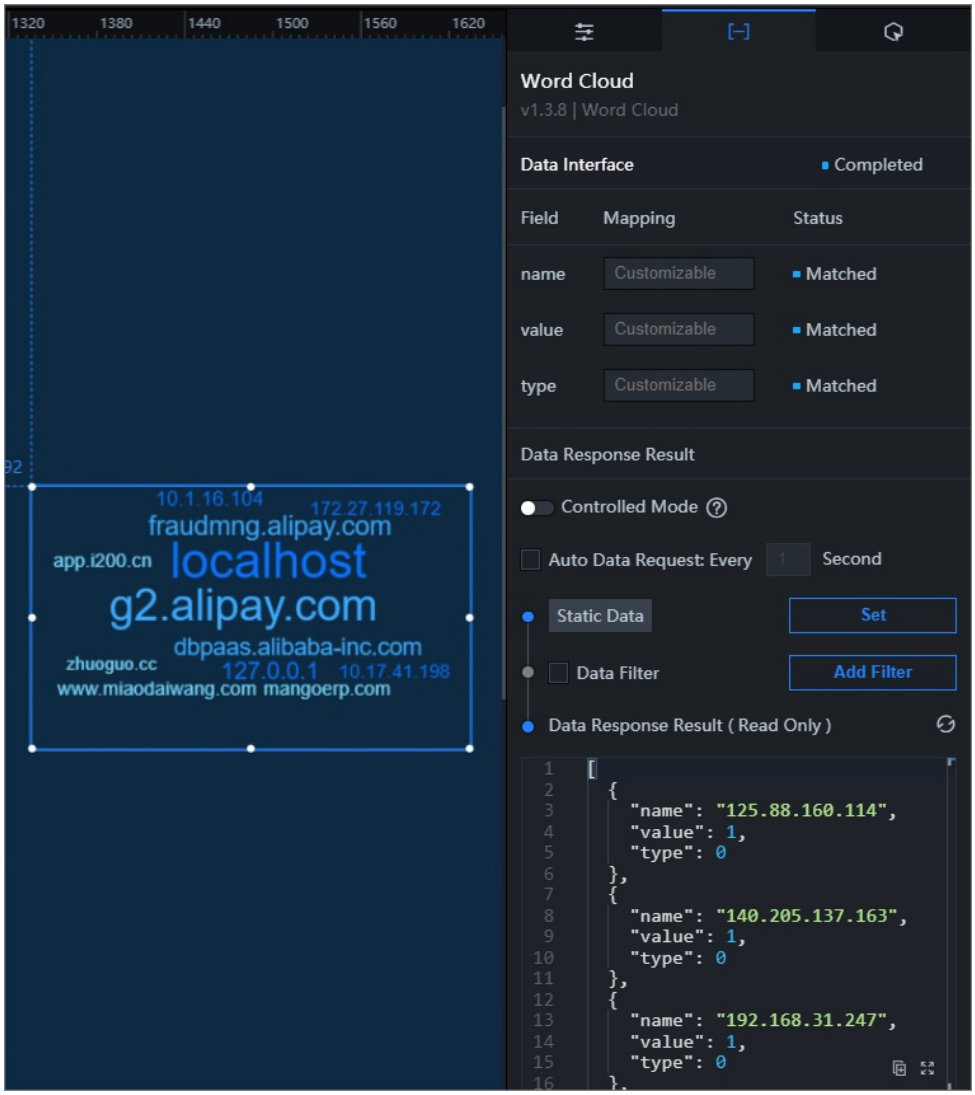


- **Series**: To add or delete a series, click **+** or click the **Trash** icon.
  - **Series Color**: To change the font color of the text of each series, see Color picker.

Data

name: The name displayed in the widget.

value: The weight of a name. This field determines the font size of the text.


1320
1380
1440
1500
1560
1620
10.1.16.104
172.27.119.172
fraudmng.alipay.com
app.i200.cn
localhost
g2.alipay.com
dbpaas.alibaba-inc.com
zhuoguo.cc
127.0.0.1
10.17.41.198
www.miaodaiwang.com mangoerp.com
Word Cloud
v1.3.8 | Word Cloud
Data Interface
Completed
Field
Mapping
Status
name
Customizable
Matched
value
Customizable
Matched
type
Customizable
Matched
Data Response Result
Controlled Mode
Auto Data Request: Every
1
Second
Static Data
Set
Data Filter
Add Filter
Data Response Result (Read Only)
[
{
"name": "125.88.160.114",
"value": 1,
"type": 0
},
{
"name": "140.205.137.163",
"value": 1,
"type": 0
},
{
"name": "192.168.31.247",
"value": 1,
"type": 0
},

Note The widget sorts the data and then renders the series style according to the data sequence.

The following is an example:

```
[
{
"name": "1",
"value": 321
},
{
"name": "2",
"value": 21
},
{
"name": "3",
"value": 2
},
{
"name": "4",
"value": 1
}
]
```

The configuration items are as follows: series 1:"red", series 2:"blue", series 3:"yellow".

The rendering result is as follows: name:1 => "red", name:2 => "blue",name:3 => "yellow",name:4 => "red".

Interaction

This widget is not connected to any events yet.

9.Basic flat map widgets

9.1. Map data format

This topic describes the GCJ-02 coordinate system and the GeoJSON data format used by DataV map widgets. You can obtain the GCJ-02 coordinate of a location on the map.

GCJ-02 coordinate system

DataV map widgets use the GCJ-02 coordinate system. It is developed by the Chinese National Bureau of Surveying and Mapping. GCJ-02 uses an encryption algorithm to encrypt the latitude and longitude of a location by adding random offsets to the latitude and longitude. All maps published in mainland China, including electronic maps, must use GCJ-02 for initial encryption of geographical location data.

- JavaScript: conversion of the coordinate system
- JavaScript: conversion of the GeoJSON data

GeoJSON data format

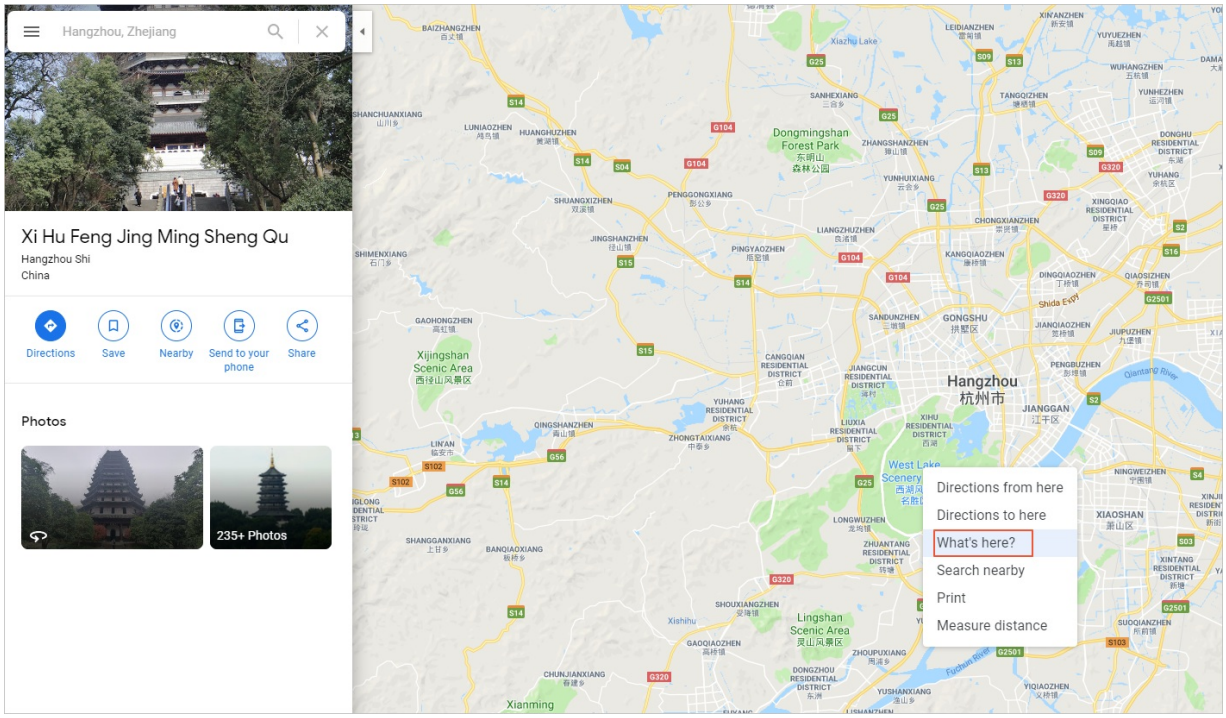
DataV map widgets use geographic data in the GeoJSON format.

- GeoJSON is used to present geospatial information based on JavaScript Object Notation (JSON).
- You can use the online GeoJSON editor geojson.io to view or edit geospatial data.

Coordinate picker in Google Maps

Use a coordinate picker in Google Maps to convert a location to a precise GCJ-02 coordinate.

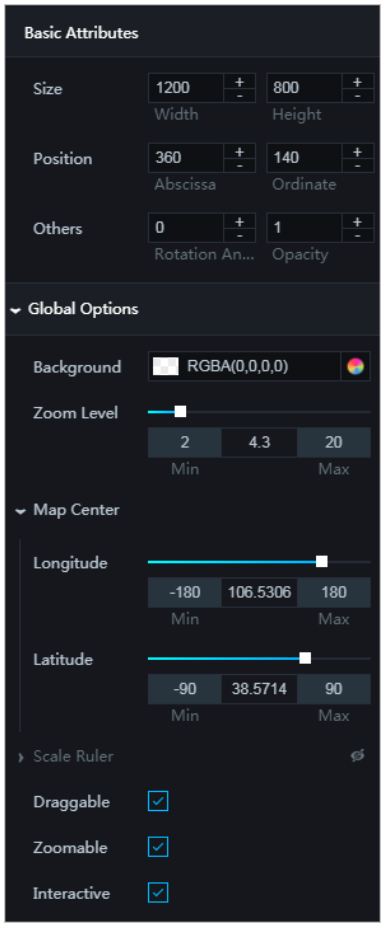
For example, enter **Hangzhou, Zhejiang** on the left side of the page, right-click **West Lake** in the map, and select **What's here?** to obtain the coordinate of West Lake.



9.2. Map container

Set parameters

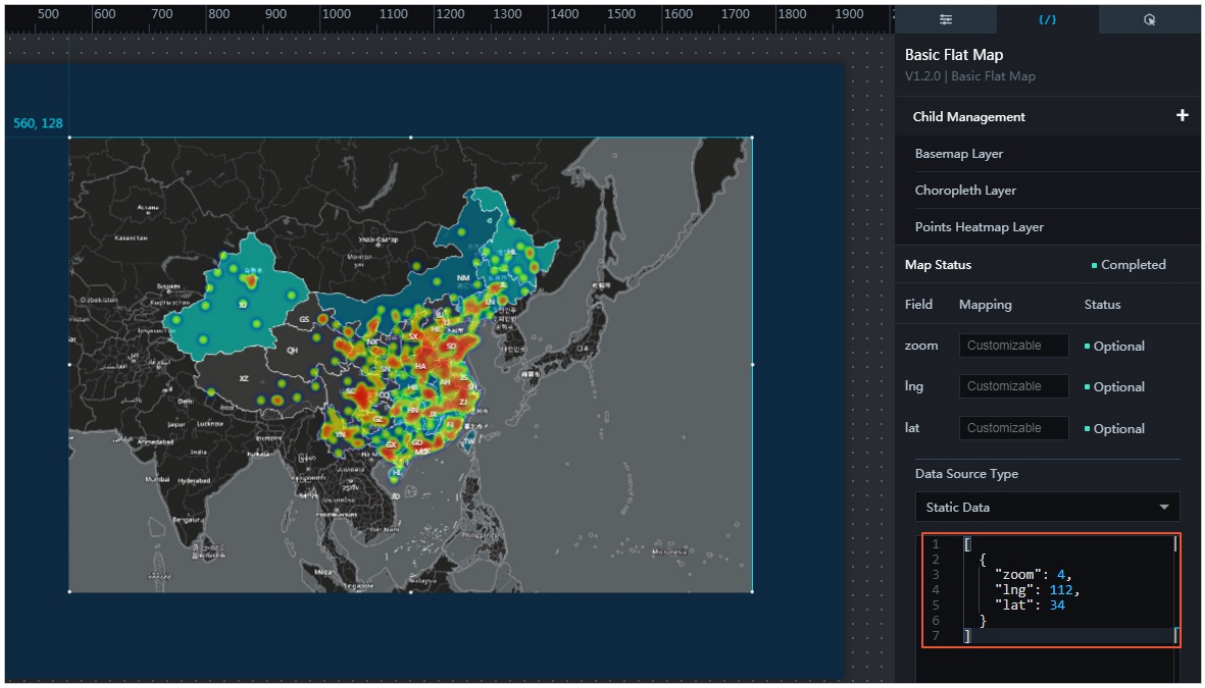
A basic flat map container provides **Basic Attributes** and **Global Options**.



- Basic Attributes: Allows you to set the basic flat map, including parameters of Background, Map Center, and Scale Ruler.
- Global Options: Allows you to set the default parameters, including the background color, map zoom level, central latitude and longitude, and control scale.

> **Note** You can move the slider left and right to adjust the map zoom level, or enter a zoom level.

You can also configure the data source to change the map center and zoom level parameters.



For example:

```
[
    {
      "zoom": 4,
      "lng": 112,
      "lat": 34
    }
  ]
```

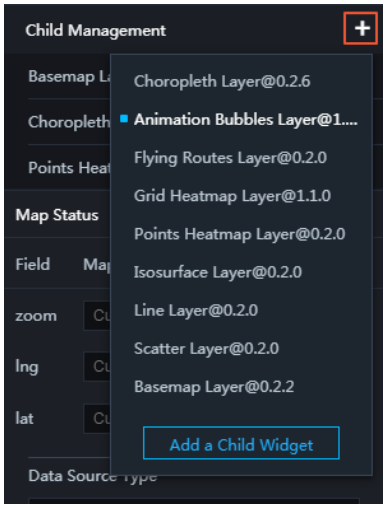
Add child widgets

On the DataV console, you can add child widgets to a basic flat map and configure parameters of these child widgets to implement required functions. Supported child widgets include:

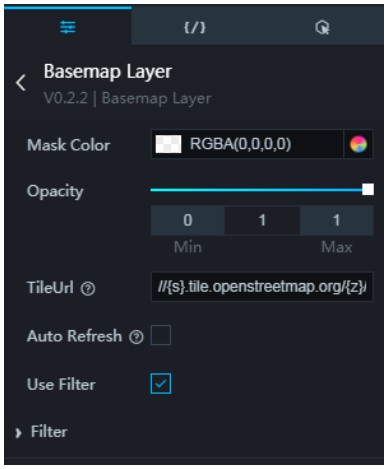
- Basemap layer: map tile layer
- Point layer: scatter layer, animation bubbles layer, points heatmap layer, and streaming bubble layer
- Line layer
- Surface layer: choropleth layer, isosurface layer, and grid heatmap layer

To add child widgets, follow these steps:

1. Click the Basic Flat Map widget from the **Maps** in the toolbar to go to the **Style** configuration page on the right.
2. Click the plus (+) sign on the right side of **Child Management**.
3. Select a child widget and click **Add a Child Widget**, as shown in the following figure.



4. Click the child widget that has been added and configure its parameters, as shown in the following figure.



5. Click **Back** to go back to the basic flat map configuration panel.

Callback ID

The Basic Flat Map widget does not support the configuration of callback IDs.

However, some of its child widgets, such as the choropleth layer, line layer, and scatter layer, support callback IDs. The configuration of callback IDs allows you to implement map interactions. For more information, see Configure widget interaction.

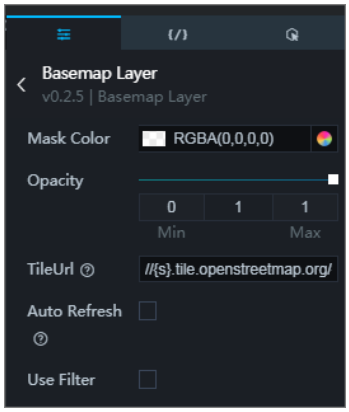
9.3. Configure a basemap layer

This topic describes how to configure a basemap layer (also called a tile layer) that functions as a basic flat map background.

Prerequisites

The basemap layer child widget is added to the basic flat map, and the widget parameters are set. For more information, see Map container.

Configure the configuration plane



- **Mask Color**: Set the mask color of the basemap layer. For more information, see Configure item description.
- **Opacity**: Set the opacity of the basemap layer by dragging the slider or entering a value. The value range of this parameter is 0 to 1.
- **TileUrl**: Enter a tile URL in the box. DataV supports the following map tile service URLs:
  - **GeoQ map**
    - GeoQ misty gray. Its URL is //map.geoq.cn/ArcGIS/rest/services/ChinaOnlineStreetGray/MapServer/tile/{z}/{y}/{x}
    - GeoQ midnight blue. Its URL is //map.geoq.cn/ArcGIS/rest/services/ChinaOnlineStreetPurplishBlue/MapServer/tile/{z}/{y}/{x}
    - GeoQ color. Its URL is //map.geoq.cn/ArcGIS/rest/services/ChinaOnlineCommunity/MapServer/tile/{z}/{y}/{x}
    - GeoQ edge. Its URL is //thematic.geoq.cn/arcgis/rest/services/ThematicMaps/administrative_division_boundaryandlabel/MapServer/tile/{z}/{y}/{x}
  - **Amap**
    - Electronic map of amap.com. Its URL is http://webst02.is.autonavi.com/appmaptile?style=7&x={x}&y={y}&z={z}
    - Satellite map of amap.com. Its URL is http://webst02.is.autonavi.com/appmaptile?style=6&x={x}&y={y}&z={z}
    - Satellite map (road networks and annotations) of amap.com. Its URL is http://webst02.is.autonavi.com/appmaptile?style=8&x={x}&y={y}&z={z}
  - **Google MapS**
    - Google electronic map. Its URL is `http://www.google.cn/maps/vt?lyrs=m@189&gl=cn&x={x}&y={y}&z={z}`.
    - Google satellite map. Its URL is `http://mt3.google.cn/vt/lyrs=s&hl=zh-CN&gl=cn&x={x}&y={y}&z={z}`.
- **Auto Refresh**: Select this check box to enable the auto refresh function.

  > **Note** You must enable this function to obtain the latest map tile service data if you use the tile URL of the Amap heat service or the Amap real-time traffic status service.

  Refresh Interval: Set the interval (in minutes) at which the tile service is automatically refreshed.
- **Use Filter**: Select this check box to add a filter effect to the basemap layer.
- **Filter**: Set the filter parameters, including **Brightness**, **Contrast**, **Grayscale**, **HueRotate**, **Invert**, **Saturate**, and **Sepia**.

Configure the data plane

No settings are required.

Configure the interaction plane

No settings are required.

9.4. Configure a scatter layer

This topic describes how to configure a scatter layer (a type of data point layer) on a map to display data across geographical locations by using scatter plot points.

Prerequisites

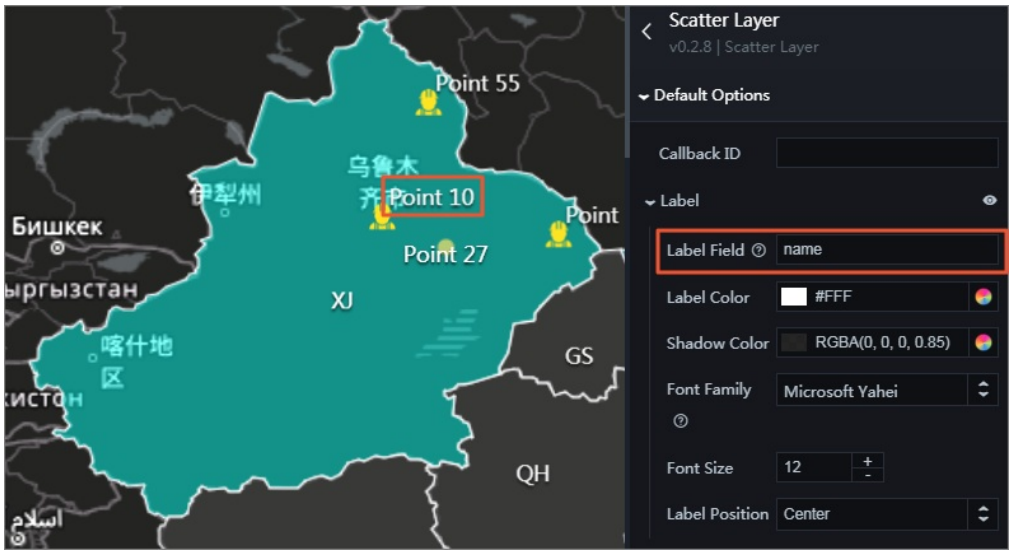
The scatter layer child widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane

- Set the **Default Options**.
  - **Callback ID**: Set the field for associating data between widgets. This field must belong to the data of this widget, and you can only set one field for this parameter.

    > Note This function is also added to the **Interaction** plane where you can set multiple fields. Additionally, this function will be removed from the **Configuration** plane. Therefore, we recommend that you upgrade the widget to the latest version.

  - **Label**: Click the **Eye** icon on the right to show or hide labels for scatter plot points.
    - **Label Field**: Set the field to label each scatter plot point. This parameter setting must match a field of the data in the data plane. For example, if you set this parameter to **name**, each scatter plot point will be labeled by the value of the **name** field that has the same ID.



    - **Label Color**: Set the label color. For more information, see Configure item description.
    - **Shadow Color**: Set the shadow color of the label. For more information, see Configure item description.
    - **Font Family**: Select a font family for the label from the drop-down list.
    - **Font Size**: Click + or -, or enter a font size value to set the font size for the label.
    - **Label Position**: Select a value from the drop-down list to set the position of each label relative to its corresponding scatter plot point. Available values are **Center**, **Top Center**, **Bottom Center**, **Left**, and **Right**.

- **Scatter Options**
  - **Data Mapping**: Select this check box to associate the color and the size of each scatter plot point with its value field in the data source.
  - **Fill Color**: Set the values for **MinValue Color**, **MaxValue Color**, and **NoData Color**. These three parameters take effect only if you select the **Data Mapping** check box.
    - **MinValue Color** indicates the color of the scatter plot point that has the minimum value in the value field in the data source.
    - **MaxValue Color** indicates the color of the scatter plot point that has the maximum value in the value field in the data source.
    - **NoData Color** indicates the color of the scatter plot point that has no value in the value field in the data source.

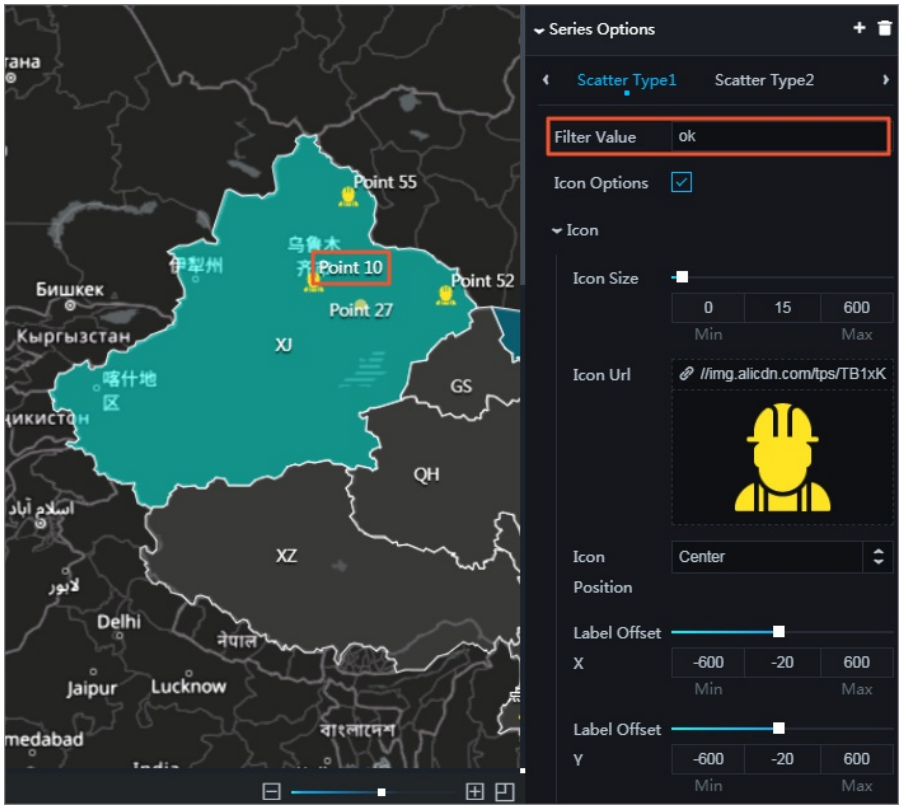
    If the value field of a scatter plot point is between the maximum value and the minimum value, the system displays the scatter plot point as a gradient color according to its proportional value.
  - **Scatter Size**: Set the values for **MinValue Size**, **MaxValue Size**, and **NoData Size**. These three parameters take effect only if you select the **Data Mapping** check box.
    - **MinValue Size** indicates the size of the scatter plot point that has the minimum value in the value field in the data source.
    - **MaxValue Size** indicates the size of the scatter plot point that has the maximum value in the value field in the data source.
    - **NoData Size** indicates the size of the scatter plot point that has no value in the value field in the data source.

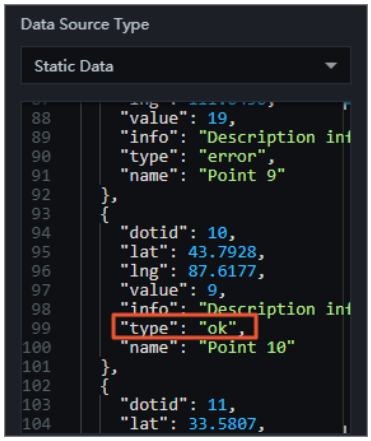
    If the value field of a scatter plot point is between the maximum value and the minimum value, the system displays the scatter plot point in a size according to its proportional value.
  - **Outline Options**: Set the color and width of the outline of the scatter plot points.
- **Popup Options**
  - **Font Color**: Set the color of the text in the popup box. For more information, see Configure item description.
  - **Font Size**: Set the size of the text in the popup box. For more information, see Configure item description.

- Set the **Series Options**.

  Click the **+** or **Trash Can** icon to add or remove a scatter type.

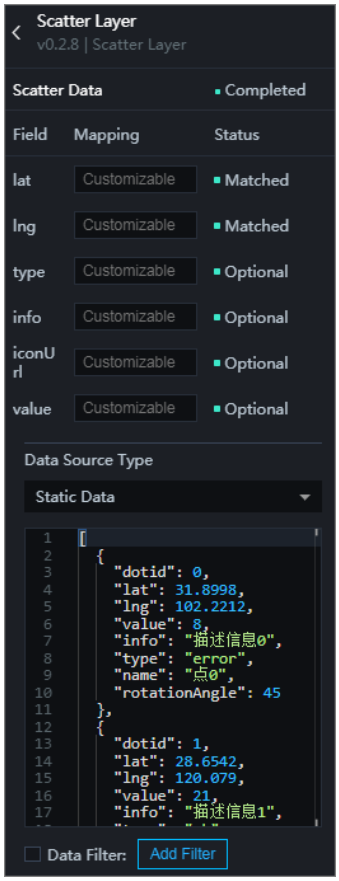
- **Filter Value**: Enter a type value (specified in the data plane) to filter a specific type of scatter plot points. Then, you can set the icon style of the scatter plot points of this type.





- **Icon Options**: Select this check box to use icons to display scatter plot points of a custom style. You can set the following **Icon** parameters: the icon image, the icon size, the icon position, and the label offset relative to the icon. If you do not select this check box, scatter plot points are displayed as dots. Then you can set the color, size, and outlines of scatter plot points. For more information, see Set the default options.

Configure the data plane



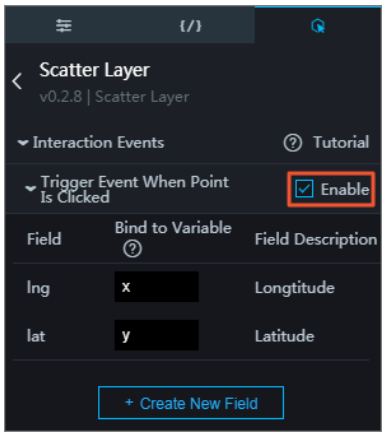
- lat: Set the latitude of the scatter plot point.
- lng: Set the longitude of the scatter plot point.
- type: Set the scatter plot point type. Then you can set the icon style of the custom type of scatter plot points.

  > **Note** If no type is set for a scatter plot point or its type is not included in the types that you have set, the system renders the scatter plot point according to the settings of **Default Options** in the **Configuration** plane.

- info: Set the message of the popup box displayed when the scatter plot point is clicked.
- iconURL: Set the URL of the custom scatter plot point icon.
- value: Set the value of the scatter plot point. This field setting is related to the **MinValue Color**, **MaxValue Color**, and **NoData Color** settings of **Scatter Options** in the **Configuration** plane.
- name: Set a name for the scatter plot point. This field is used when you set **Label Field** in the **Configuration** plane to label the scatter plot point.
- rotationAngle: (Optional.) Set the rotation angle of the scatter plot point icon. This field takes effects only if you select the **Icon Options** check box of **Series Options** in the **Configuration** plane, and configure the icon settings (for example, you can upload a custom icon image or set iconUrl in the data plane).

Configure the interaction plane

Select the **Enable** check box to enable the widget interaction function. With this feature enabled, the system displays the callback value when you click a scatter plot point. By default, the lng and lat fields are displayed. For more information, see Configure callback IDs for ticker boards.



9.5. Configure an animation bubbles layer

This topic describes how to configure an animated bubbles layer (a type of data point layer) to display data across geographical locations on a map.

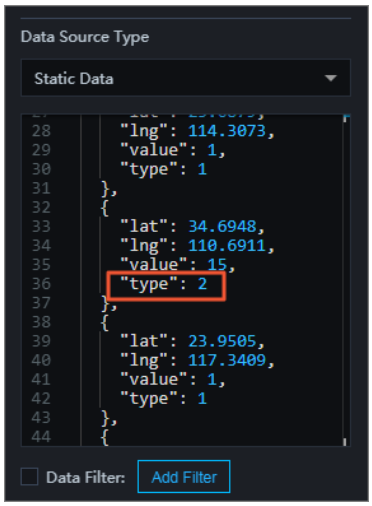
Prerequisites

The animation bubbles layer widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane

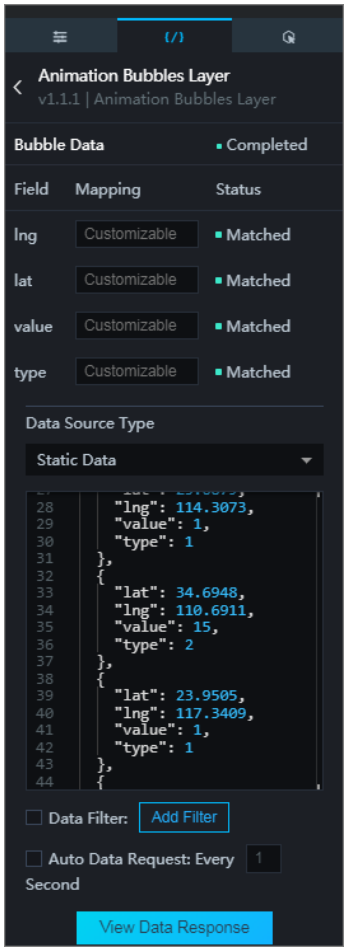
- **Animation Type**: Set the type of animation for the bubbles. Available types are **Breath** and **Fading**.
- **Animation Range**: Drag the slider or enter a value to set the size range of the bubbles. This parameter setting takes effect only if you set **Animation Type** to **Breath**.
- **Animation Speed**: Drag the slider or enter a value to set the animation speed of the bubbles.
- **Color Gradient Range**: Drag the slider or enter a value to set the maximum color depth of the bubbles. If you set the fading **Animation Type**, the bubble color fades from the set color depth to transparency.
- **Max Bubble Size**: Drag the slider or enter a value to set the maximum bubble size that indicates the maximum value specified by the value field in the data plane.
- **Min Bubble Size**: Drag the slider or enter a value to set the minimum bubble size that indicates the minimum value specified by the value field in the data plane.
- **Bubble Type**: Click **+** or the **Trash Can** icon to add or remove a bubble type. Bubbles of one type share the same bubble style and color.
  - **Style**: Select a bubble style from the drop-down list. Seven bubble styles are available.
  - **Type Filter Value**: Set the bubble type value to filter bubbles. Then, you can set the same **Style** and **Color** for the filtered type of bubbles.

    > **Note** The type of each bubble is specified by the type field of this bubble in the data plane.

  - **Color**: Set the color of the filtered type of bubbles. For more information, see Configure item description.

Configure the data plane



- lng: Set the longitude of the animated bubbles.
- lat: Set the latitude of the animated bubbles.
- value: Set the bubble value. The bubble size is determined by this parameter setting, and the **Max Bubble Size** and **Min Bubble Size** settings in the configuration plane.
- type: Set the bubble type. This parameter setting is associated with the **Type Filter Value** setting in the configuration plane.

Configure the interaction plane

No settings are required.

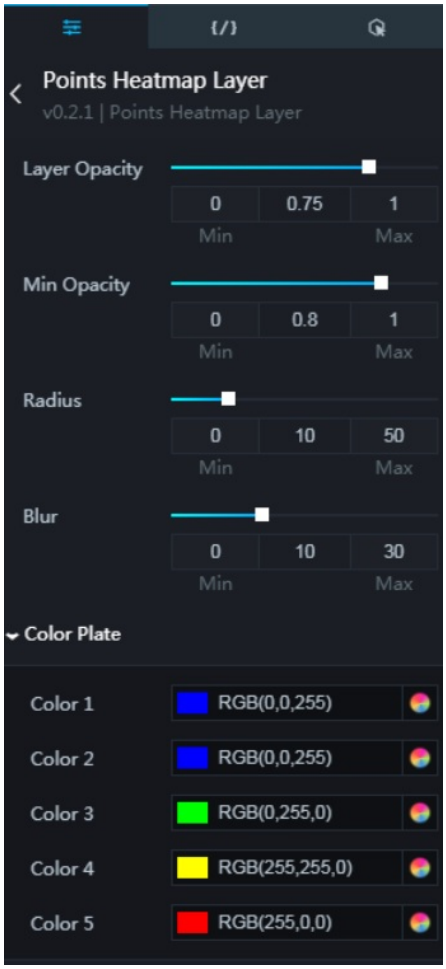
9.6. Configure a points heatmap layer

This topic describes how to configure a points heatmap layer (a type of data point layer) to display data across geographical locations.

Prerequisites

The points heatmap layer child widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane



- **Layer Opacity**: Set the overall layer opacity by dragging the slider or entering a value.
- **Min Opacity**: Set the opacity of the center of each heat circle by dragging the slider or entering a value.
- **Radius**: Set the radius value of the layer by dragging the slider or entering a value.
- **Blur**: Set the blur value of the layer by dragging the slider or entering a value.
- **Color Plate**: Set the colors that indicate the degrees of heat circle rings displayed. **Color 1** indicates the color of the outer ring. **Color 5** indicates the color of the inner ring. For more information, see Configure item description.

Configure the data plane

- lat: Set the latitude of the layer.
- lng: Set the longitude of the layer.
- value: (Optional) Set the weight of the layer.

Configure the interaction plane

No settings are required.

9.7. Configure a line layer

This topic describes how to configure a line layer to indicates data points (for example, railways) by using lines.

Prerequisites

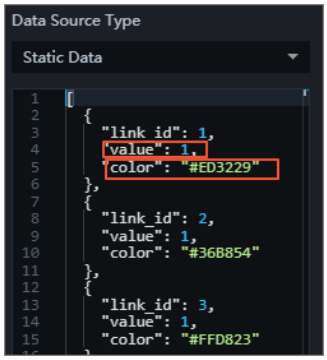
The line layer child widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane

- **Stroke Options**

- **Color**: Set the values for **MinValue Color**, **MaxValue Color**, and **NoData Color**.
  - **MinValue Color** indicates the color of the line that has the minimum value in the `value` field.
  - **MaxValue Color** indicates the color of the line that has the maximum value in the `value` field.
  - **NoData Color** indicates the color of the line that has no value in the `value` field.

  If the value indicated by a line is between the maximum value and the minimum value, the color of the line is a gradient color calculated based on the value. For more information, see Configure item description.



> **Note** If the **Color** values in both the **Configuration** plane and the color field in the **Data** plane are set, the **Data** plane value takes effect.

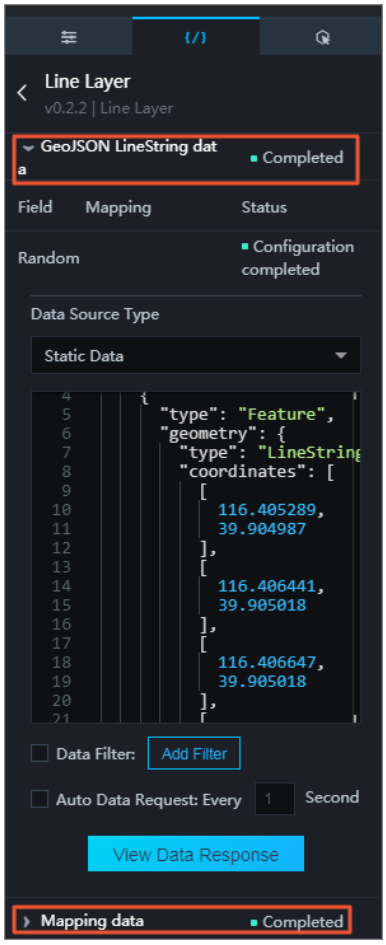
- **LineWidth**: Set the line width by dragging the slider or entering a value.
- **Dotted Line**: Select a line type from the drop-down list.

- **Interactive Options**
  - **Hover**: Enable or disable the hover function by clicking the **Eye** icon. You can set the color and width of the line displayed for the hover effect. This effect is displayed only when you preview the layer or after you release the layer.
  - **Click FitBounds**: Select this check box to enable the focus effect for the line. After you enable this effect, the system automatically focuses the line that you have clicked. The line focus effect is displayed only when you preview the layer or after you release the layer.
  - **FitBounds Padding**: Set the fitbounds padding of lines by dragging the slider. You must select the **Click FitBounds** check box before setting this parameter. The padding setting is displayed only when you preview the layer or after you release the layer.
  - **Callback ID**: Set the field for associating data between widgets. This filed must be associated with the data of this widget, and you can only set one field for this parameter.

> **Note** This function is also added to the **Interaction** plane where you can set multiple fields. Additionally, this function will be removed from the **Configuration** plane. Therefore, we recommend that you upgrade the widget to the latest version.

Configure the data plane

The following two data sources are required: **GeoJSON LineString data** and **Mapping data**.

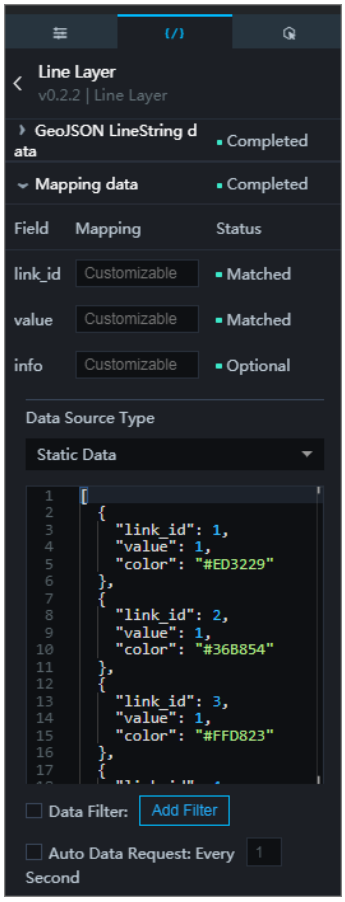


- **GeoJSON LineString data**: Set the GeoJSON LineString data. If you want to associate this type of data with the mapping data, you must ensure that this type of data has a unique link_id or id field. For more information, see http://geojson.org/geojson-spec.html.

```
{
"type": "FeatureCollection",
"features": [
  {
    "type": "Feature",
    "properties": {
      "link_id": 1,
      "name": "test"
    },
    "geometry": {
      "type": "LineString",
      "coordinates": [
        [
          109.4677734375,
          41.409775832009565
        ],
        [
          117.46582031249999,
          36.31512514748051
        ],
        [
          118.828125,
          32.0639555946604
        ],
        [
          114.9169921875,
          27.566721430409707
        ]
      ]
    }
  }
]
}
```

Note You can use the properties field to set messages in a pop-up box.

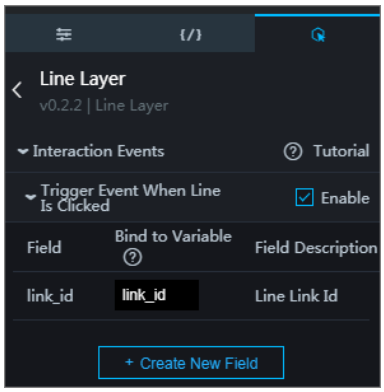
- **Mapping data**



- link_id: Set the ID by which to associate the mapping data with the GeoJSON data.
- value: Set the line weight. Based on this field, the settings of **MinValue Color**, **MaxValue Color**, and **NoData Color** in the **Configuration** plane take effect.
- info: Set the message for the pop-up box. If you do not set this field, the message displayed in the pop-up box message is the content of the properties field specified in the GeoJSON data.
- color: Set the fields that can be used to render the lines, such as color, weight, and dashArray.

Configure the interaction plane

Select the **Enable** check box to enable the interaction function. For more information, see Configure callback IDs for ticker boards.



9.8. Configure a choropleth layer

This topic describes how to configure a choropleth layer on a map.

Prerequisites

The choropleth layer child widget is added to a map and the corresponding widget parameters are set. For more information, see Map container.

Configure the configuration plane

- **Labels**
  - **Label Field**: Set this field to the name of an area.
  - **Color**: Set the label color. For more information, see Color picker.
  - **Shadow Color**: Set the shadow color of the label. For more information, see Color picker.
  - **Font Family**: Select a font for the label from the drop-down list.

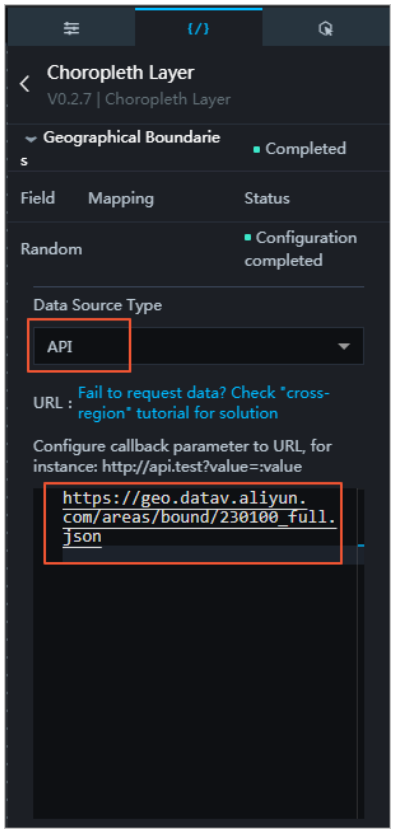
    > **Note** Only a font that is installed in your system can be displayed accurately. If the selected font is not installed in your system, the default font is displayed.

  - **Font Size**: Click **+** or **-**, or enter a font size value to set the font size for the label.
- **Fill Color**: Set the values for **MinValue Color**, **MaxValue Color**, and **NoData Color**. For more information, see Color picker.
- **Outline Options**: Set the color and width of the outline of the choropleth layer.
- **Interactive Options**
  - **Hover**: Hide or show the hover effect by clicking the **Eye** icon.
  - **Hover Color**: Set the color that is displayed when the pointer is positioned above a target area. For more information, see Color picker. Note that this effect is displayed only when you preview the layer or after you release the layer.
  - **Click FitBounds**: Select this check box to enable the focus effect for the area. After you enable this effect, the system automatically focuses on the area that you have clicked. The line focus effect is displayed only when you preview the layer or after you release the layer.
  - **FitBounds Padding**: Drag the slider or enter a value to adjust the displayed area when you click an area. Set the fitbounds padding of areas by dragging the slider or entering a value. The padding setting is displayed only when you preview the layer or after you release the layer.
  - **Callback ID**: Set the field for associating data between widgets.

    > **Note** The callback ID function is also added to the **Interaction** plane where you can set multiple fields. Additionally, this function will be removed from the **Configuration** plane. Therefore, we recommend that you upgrade the widget to the latest version.

Configure the data plane

- **Geographical Boundaries**: To use the GeoJSON-based boundary data in DataV, follow these steps:
  i. Click **Choropleth Layer**.
  ii. On the **Data** tab, click **Geographical Boundaries**.
  iii. Select **API** from the **Data Source Type** drop-down list.
  iv. Paste the GeoJSON API to the URL area, as shown in the following figure.



v. Publish the project to view the effect.

If you encounter label text offset during the configuration, you can:

- Check whether you are using the choropleth layer V0.2.4 or a later version. If you are using an earlier version, delete this layer, and then add a new one.
- Check whether the data you obtained has been updated. If yes, use the latest data.

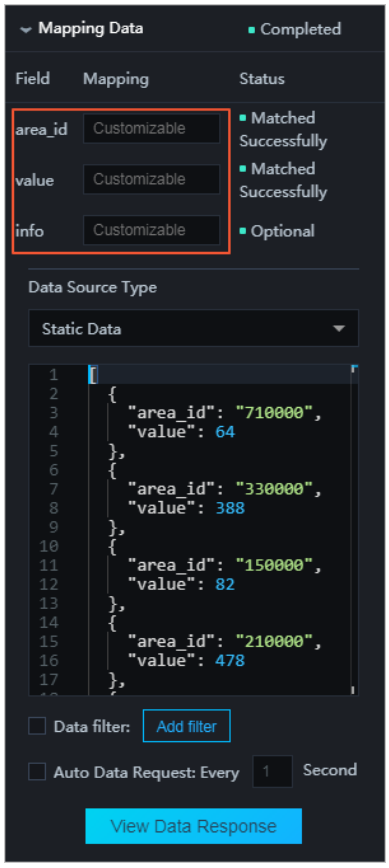
- Modify the parameters:
  a. Use geojson.io to add the customLabelPosition parameter to the GeoJSON API.

     Add the customLabelPosition attribute, such as *"customLabelPosition": [112.500801,22.927694]*, to the properties parameter in the area where label text offset occurs.


```
{
  "type": "Feature",
  "properties": {
    "adcode": 441204,
    "name": "GYQ",
    "center": [
      112.460846,
      23.027694
    ],
    "customLabelPosition": [
      112.500801,
      22.927694
    ],
    "childrenNum": 0,
    "level": "district",
    "subFeatureIndex": 2,
    "acroutes": [
      100000,
      440000,
      441200
    ],
    "parent": {
      "adcode": 441200
    }
  },
```


  b. Save the modified API to your server.
  c. Click **Choropleth Layer**.
  d. On the **Data** tab, click **Geographical Boundaries**.
  e. Select **API** from the **Data Source Type** drop-down list.
  f. Paste the JSON API to the URL area.

- **Mapping Data**: Customize the choropleth layer style by configuring the mapping data. Data in the choropleth layer can be rendered first.
  i. Click **Choropleth Layer**.
  ii. On the **Data** tab, click **Mapping Data**.
  iii. Select **Static Data** from the **Data Source Type** drop-down list, as shown in the following figure.



- area_id: The postal code of an area.
- value: The value of an area. The color of an area is determined by the **MinValue Color** and **MaxValue Color** fields on the **Configuration** tab.

  > **Note** The color gradient can be calculated according to the value field on the **Data** tab.

- info: Optional. The information in the pop-up window.

iv. Set the values for the color (line color), weight (line weight), dashArray (dotted line), and fillColor (fill color) fields.

The corresponding areas on the map are rendered according to the values of these fields. The value of the fillColor field can be in *red*, *#fff000*, and *rgba(0,256,0,0.5)* format.

Configure the interaction plane

Trigger Event When Area Is Clicked: Select **Enable** to trigger an event when an area is clicked. Specifically, when the target area is clicked, a request is triggered and data of different areas is loaded.

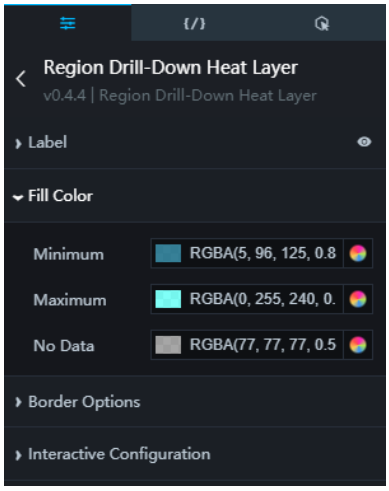
When you click an area, the value of area_id is displayed automatically. For more information, see Configure callback IDs for ticker boards.

9.9. Configure a region drill-down heat layer

The region drill-down heat layer is a component of the basic flat map. You can configure the settings, data, and interaction for this layer, including labels, border options, interactive effects, and location information. The region drill-down heat layer can be used as the choropleth layer for provinces, direct-administered municipalities, and prefecture-level cities. This topic describes configurations of the region drill-down heat layer and how to use components of this layer.

For more information about how to add a region drill-down heat layer and configure its parameters, see Configure a basic flat map.

Settings



- **Label**
  - **Label Field**: the label field of the drill-down area. The name must match the value of Field on the Data tab.
  - **Color**: the color of the label. For more information about how to modify the label color, see Color picker.
  - **Shadow Color**: the shadow color of the label.
  - **Font Family**: the font of the label.

    > **Note** Only fonts that are installed on the system are displayed. If the selected font is not installed, the default font is displayed.

  - **Font Size**: the font size of the label.
- **Fill Color**: the colors of areas, which correspond to the values of the Minimum, Maximum, and No Data parameters.
- **Border Options**: the color, thickness, and line type of the area borders.
- **Interactive Configuration**
  - **Hover**: the color that highlights the area where the pointer is positioned above. This effect is displayed only when you preview the layer or after you publish the layer.
  - **Zoom Range Ratio**: the zoom intensity when an area is clicked.
  - **Double-Click Callback ID**: the parameter variable for associating data between widgets. The callback ID does not have to correspond to any field in the static JSON data. By default, the callback ID is the adcode value of the area that is double-clicked. For example, if you double-click Zhejiang Province, 330000 will be returned.

    > **Note** This function has been added to the **Interaction** tab, and will be removed from the **Settings** tab. We recommend that you keep DataV up to date. The latest version of DataV allows you to configure multiple fields on the Interaction tab.

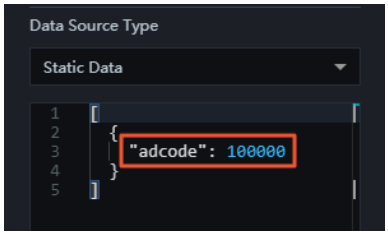
  - **Click Callback ID**: the parameter variable for associating data between widgets. The callback ID must correspond to one field in the static JSON data.

    > **Note** This function has been added to the **Interaction** tab, and will be removed from the **Settings** tab. We recommend that you keep DataV up to date. The latest version of DataV allows you to configure multiple fields on the Interaction tab.

Data

- **Default Area**
  i. On the **Data** tab, select **Static Data** from the **Data Source Type** drop-down list.

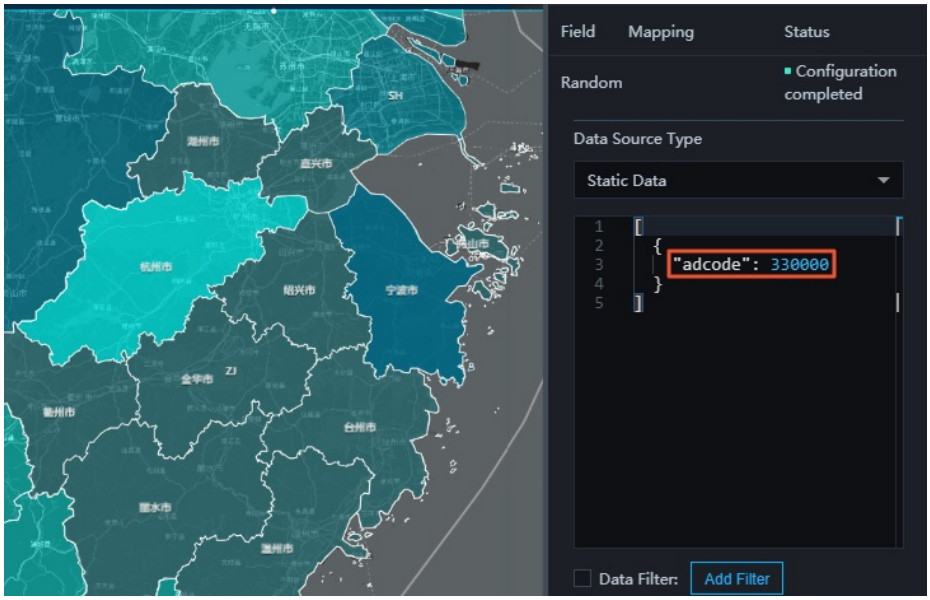
By default, the region drill-down heat layer displays the choropleth layer data of all provinces and direct-administered municipalities in China, as shown in the following figure.



> **Note** For more information about area adcodes, see Mapping table of the area adcode and longitude and latitude.

ii. If you need to use the prefecture-level choropleth layer, modify the value of adcode.

For example, you can obtain the adcode value of Zhejiang Province (*330000*) by referring to Mapping table of the area adcode and longitude and latitude. The region drill-down heat layer allows you to locate all the prefecture-level cities in Zhejiang Province and can be used as the prefecture-level choropleth layer. You can use this example as a reference to configure choropleth layer data for other provinces and direct-administered municipalities.



The sample JSON code in the preceding figure is as follows:

```
[
  {
    "adcode": 330000
  }
]
```

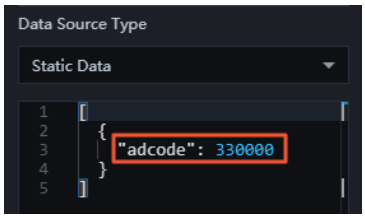
- **Custom Area** includes two fields: **area_tree** and **area_topo_json**.

By default, DataV displays the URLs of all provinces and direct-administered municipalities in China in the following hierarchical relationship: **Country > Province or direct-administered municipality > Prefecture-level city > District or county**, as shown in the following example:

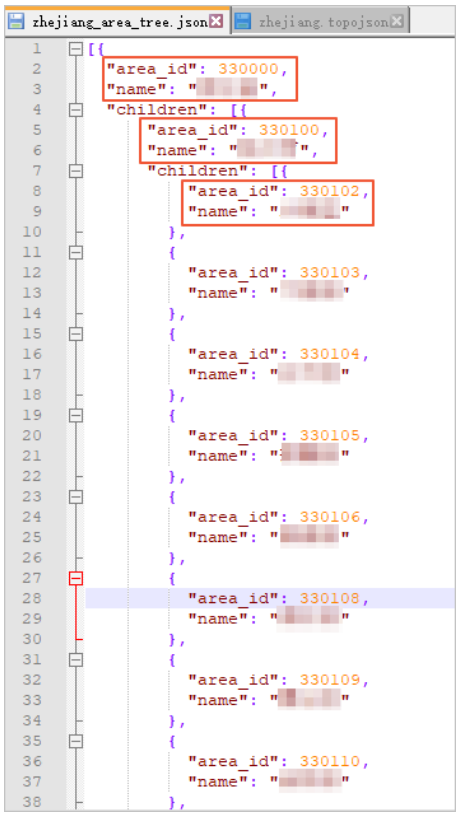
```
[
  {
    "area_tree": "https://sh-conf.oss-cn-shanghai.aliyuncs.com/map/area_drill/area_tree.json",
    "area_topo_json": "https://sh-conf.oss-cn-shanghai.aliyuncs.com/map/area_drill/china.topo.new.json"
  }
]
```

You can also modify the default data to customize drill-down areas. The following example shows you how to configure custom data for Zhejiang Province:

i. Reference Default Area and modify the value of adcode to 330000 in the default static JSON data.



ii. Modify the *area_tree.json* file of the default country level to extract data of Zhejiang Province. Configure the file in the following hierarchical relationship: **Province or direct-administered municipality > Prefecture-level city > District or county**. The following figure shows a part of data in the area_tree.json file.



> **Notice**
>
> - If you have defined a hierarchical relationship, you can customize the value of **area_id**. The value of **area_id** must be unique.
> - The large volume of returned JSON data cannot be configured as static data and can only be accessed through a `URL`.

Click Here to download the complete area_tree.json file that is shown in the preceding figure.

iii. Obtain the URL of the area_tree.json file.

We recommend that you use Alibaba Cloud Object Storage Service (OSS) to obtain the URL of the area_tree.json file.

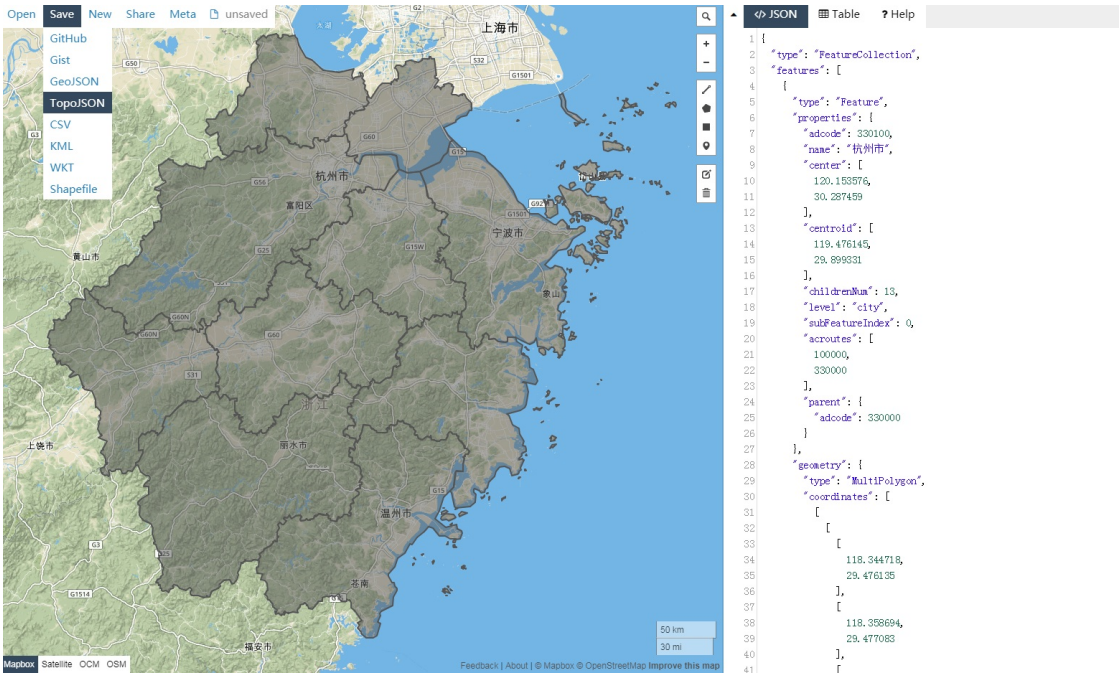
> **Notice** This URL must use HTTPS and a domain name with an SSL certificate.

iv. Obtain the topo_json file.

a. Click Here to download the JSON file of Zhejiang Province.

b. Go to geojson.io, choose **Open > File** in the upper-left corner of the page to open the JSON file. The data of Zhejiang Province is automatically pasted into the edit box on the right.

c. Choose **Save > TopoJSON** in the upper-left corner of the page to obtain the topo_json file of Zhejiang Province.



> **Note** Click http://turfjs.org/docs#union, reference the union method to combine the data of two neighboring areas, and obtain the new GeoJSON border data.

d. As shown in the following figure, open the topo_json file of Zhejiang Province. Add the adcode of Zhejiang Province (330000) at the beginning of the data. Separate 330000 and the data with a colon (`:`) and enclose 330000 and the data with braces (`{}`) to obtain the final topo_json file of Zhejiang Province.

The preceding final topo_json file only contains the data of prefecture-level cities in Zhejiang Province. If you want to drill down to the district or county level, more configurations are required for the topo_json file. The following example shows you how to configure the data to drill down to the district or county level in Hangzhou.

e. Click Here to download the JSON file of Hangzhou and reference step b and step c to obtain the topo_json file of Hangzhou.

f. As shown in the following figure, open the topo_json file of Hangzhou. Add the adcode of Hangzhou (330100) at the beginning of the data. Separate 330100 and the data with a colon (`:`) and enclose 330100 and the data with braces (`{}`).

g. Copy the new data of Hangzhou, and paste it after the final topo_json data of Zhejiang Province. Separate the data of Zhejiang Province and Hangzhou with a comma (,). Use a pair of braces ({}) to enclose an object.

Click Here to download the final topo_json file.

v. Obtain the URL of the final topo_json file.

Repeat step iii to obtain the **URL** of the final topo_json file.

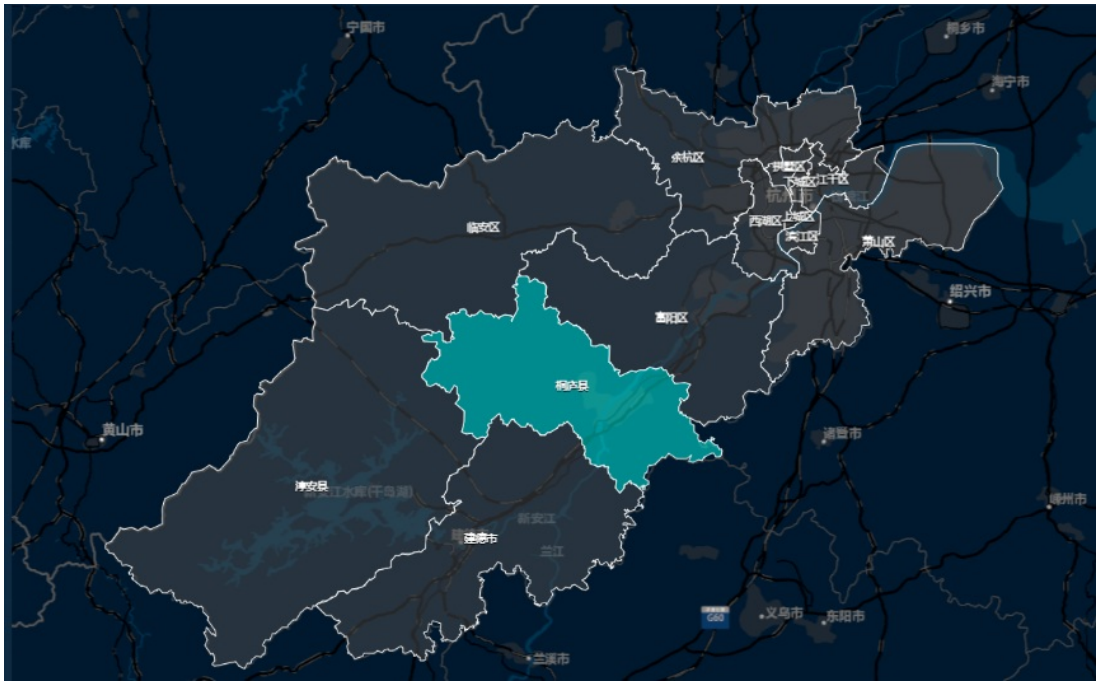
vi. Configure the Custom Area section of the region drill-down heat layer.

Replace the default URLs in the Custom Area section with the two URLs obtained in step iii and step v and click **View Response Result** to view the effect on the map.

The sample code in the preceding figure is as follows:

```
[
  {
    "area_tree": "https://datav-map-test.oss-cn-hangzhou.aliyuncs.com/zhejiang_area_tree.json",
    "area_topo_json": "https://datav-map-test.oss-cn-hangzhou.aliyuncs.com/zhejiang.topojson"
  }
]
```

The following figure shows the preview. You can double-click Hangzhou on the map of Zhejiang Province to go to the map of Hangzhou. You can double-click any blank space to return to the map of Zhejiang Province.



Notice If the custom drill-down area is not displayed, the URLs may have cross-region errors. You can use OSS cross-region configuration to solve this problem. For more information, see Configure CORS.

vii. If the preview works as expected, you can click **Publish** to publish the project.

You can use the same way to configure the drill-down area data for other provinces and prefecture-level cities. The hierarchical relationship is **Country > Province or direct-administered municipality > Prefecture-level city > District or county**. The upper level must contain the area data such as adcode and location data of the lower level before you can drill down.

- For more information about **Mapping Data**, see Configure a choropleth layer.

Interaction

- **On Click of Region**:

  Select the **Enable** check box to enable interactions among components. Components of **Region Drill-Down Heat Layer** support interactive configurations. When the target area is clicked, a request is triggered and data of the area is loaded.

  When you click an area, the adcode value of the area is displayed automatically. For more information, see Configure callback IDs for ticker boards.

- **On Double Click of Region**:

  Select the **Enable** check box to enable interactions among components. Components of **Region Drill-Down Heat Layer** support interactive configurations. When the target area is double-clicked, a request is triggered and data of the area is loaded.

  When you double-click an area, the adcode value of the area is displayed automatically. For more information, see Configure callback IDs for ticker boards.

  Note The callback ID does not have to correspond to any field in the static JSON data. By default, the callback ID is the adcode value of the area that is double-clicked. For example, if you double-click Zhejiang Province, 330000 will be returned.

9.10. Configure an isosurface layer

This topic describes how to configure an isosurface layer to convert vector point data to a raster map. For example, you can display a national air quality map by using an isosurface layer.

Prerequisites

The isosurface layer child widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane

- **Opacity**: Set the overall layer opacity by dragging the slider or entering a value.
- **Pixel Size**: Set the pixel size of each square of the raster graphic by clicking **+** or **-**, or entering a value. The value range of this parameter is 1 to 10. A smaller pixel size indicates a clearer isosurface layer, but takes longer to render compared with a greater a greater pixel.
- **Weight**: Set the weight of the interpolation point by which it affects its surrounding points by dragging the slider or entering a value. The value range of this parameter is 0.5 to 3. A greater weight value indicates that the interpolation point significantly affects its surrounding points and achieves a better layering effect, but takes a longer time to render compared with a lower weight value.
- **Render Type**: Select a layer render type from the drop-down list. Available types are **Linear** and **Piecewise**.
  - **Linear**
    - **From Color**: Set the color of the interpolation point that indicates the minimum value in the data source. For more information, see Configure item description.
    - **Middle Color**: Set the color of the interpolation point that indicates the median value in the data source. For more information, see Configure item description.
    - **End Color**: Set the color of the interpolation point that indicates the maximum value in the data source. For more information, see Configure item description.
    - **Break Value**: Set the break value for linear rendering by dragging the slider or entering a value. Based on the specified break value and the value range in the data source, DataV obtains the interpolation point of the middle value. The color of this interpolation point is the **Middle Color** that you set.

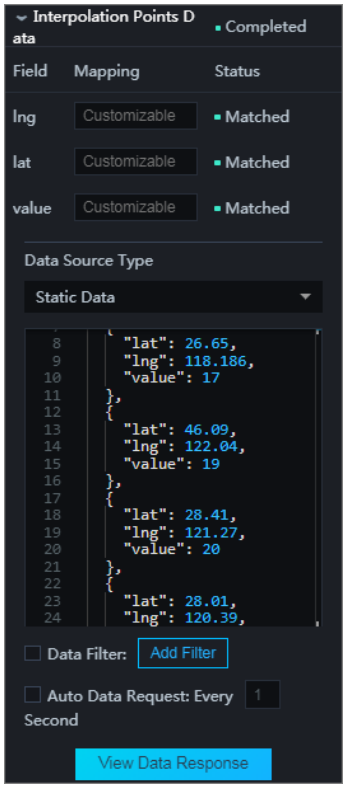
      > **Note** This parameter setting takes effect only if you set **Render Type** to **Linear**.

    - **Classify Color Count**: Set the number of classification of interpolation point by dragging the slider or entering a value. Based on the **Classify Color Count** value that you set and the value range in the data source, DataV uses different colors to classify interpolation points. A greater **Classify Color Count** value indicates a better interpolation effect, but takes a longer time to render compared with a lower **Classify Color Count** value.
  - **Piecewise**
    - **Default Color**: Set the default color of interpolation points. If the value indicated by an interpolation point is not included in the **Break Value** that you set, this parameter takes effect. For more information, see Configure item description.
    - **Piecewise**: Add or remove a break by clicking **+** or the **Trash Can** icon on the right.
      - **Break Value**: Set a break by dragging the slider or entering a value. You can set this parameter according to the value range that is indicated by all interpolation points.
      - **Break Color**: Set the color of the interpolation points that indicate values included in a **Break**. For more information, see Configure item description.

Configure the data plane

- **Clip GeoJSON data**

  The **Clip GeoJSON data** settings specify the area of interpolation points that need to be rendered. For example, in the preceding figure, the **Clip GeoJSON data** settings specify the China map displayed in colors.
- **Interpolation Points Data**



- lng: Set the longitude of the interpolation points.
- lat: Set the latitude of the interpolation points.
- value: Set the interpolation point value. Based on the value and the rendering settings in the **Configuration** plane, DataV adjusts the layer rendering effect.

Configure the interaction plane

No settings are required.

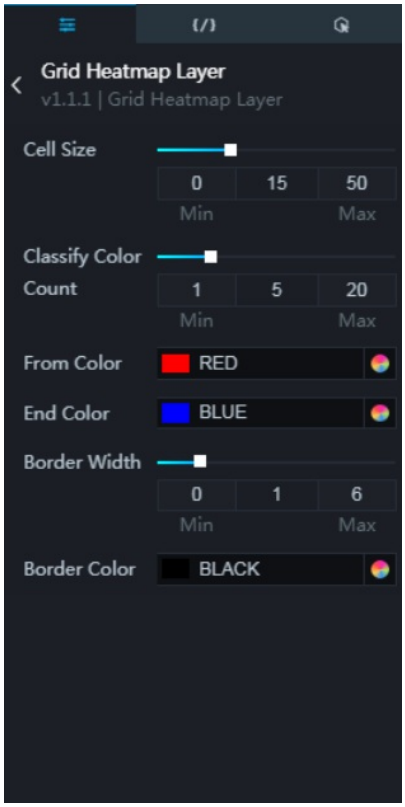
9.11. Configure a grid heatmap layer

This topic describes how to configure a grid heat map layer to display the density of points scattered on a map.

Prerequisites

The grid heatmap layer child widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane

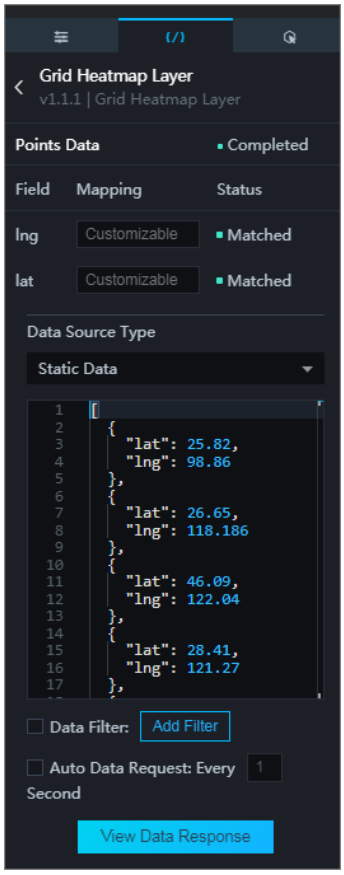


- **Cell Size**: Set the icon size by dragging the slider or entering a value. Based on the grid size that you set and the value range of the data, DataV calculates the number and location of all icons.
- **Classify Color Count**: Set the number of color gradient levels (levels between **From Color** and **End Color**) by dragging the slider or entering a value. The color of each icon is displayed according to the point distribution.
- **From Color**: Set the color of the icon where the color distribution of the points starts. For more information, see Configure item description. Based on the latitude and longitude of the points, DataV calculates the icon where the points are located. The icon that has the greatest number of points is the start icon.
- **End Color**: Set the color of the icon where the color distribution of the points ends. For more information, see Configure item description. Based on the latitude and longitude of the points, DataV calculates the icon where the points are located. The icon that has the least number of points is the end icon.

  > **Note** The color of the icons between the start icon and the end icon is determined by the **Classify Color Count**, **From Color**, and **End Color** that you set.

- **Border Width**: Set the icon border width by dragging the slider or entering a value.
- **Border Color**: Set the icon border color. For more information, see Configure item description.

Configure the data plane



- **lng**: Set the longitude of the points.
- **lat**: Set the latitude of the points.

Configure the interaction plane

No settings are required.

9.12. Configure a flying routes layer

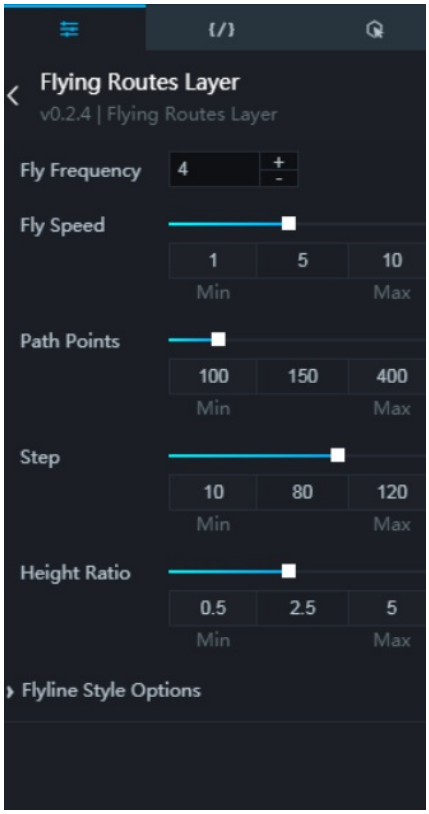
This topic describes how to configure a flying routes on a map to display the Origin-Destination (OD) data by using dynamic lines. Typically, a line in a flying routes layer indicates the association between two places, such as logistics and transactions.

Prerequisites

The flying routes layer child widget is added to the basic flat map and the widget parameters are set. For more information, see Map container.

Configure the configuration plane

- **Fly Frequency**: Click + or -, or enter a value to set the frequency at which flying routes fly out.
- **Fly Speed**: Drag the slider or enter a value to set the flight speed of flying routes. The value range of this parameter is 1 to 10.
- **Path Points**: Drag the slider or enter a value to set the number of path points for flying routes. The value range of this parameter is 100 to 4000.
- **Step**: Drag the slider or enter a value to set the length of flying routes. The value range of this parameter is 10 to 120.
- **Height Ratio**: Drag the slider or enter a value to set the height ratio of flying routes. The value range of this parameter is 0.5 to 5.



- **Flying Style Options**
  - **From Color**: Set the color of the starting points for flying routes. For more information, see Configure item description.
  - **End Color**: Set the color of the destinations for flying routes. For more information, see Configure item description.
  - **Flare Color**: Set the flare color of flying routes. For more information, see Configure item description.
  - **Line Width**: Drag the slider or enter a value to set the width of flying routes. The value range of this parameter is 0.01 to 10.
  - **Flare Width**: Drag the slider or enter a value to set the flare width of flying routes. The value range of this parameter is 0.01 to 20.
  - **Gradient Ratio**: Drag the slider or enter a value to set the gradient ratio of flying routes. The value range of this parameter is 0.01 to 10.
  - **Bubble Color**: Set the bubble color of flying routes. For more information, see Configure item description.
  - **Bubble Radius**: Drag the slider or enter a value to set the bubble radius of flying routes. The value range of this parameter is 0 to 30.
  - **Bubble Speed**: Drag the slider or enter a value to set the bubble speed of flying routes. The value range of this parameter is 0.1 to 1.

Configure the data plane

- from: Set the latitude and longitude for the starting point the flying route, and use a comma (,) to separate the latitude and longitude.
- to: Set the latitude and longitude for the destination of the flying route, and use a comma (,) to separate the latitude and longitude.

Configure the interaction plane

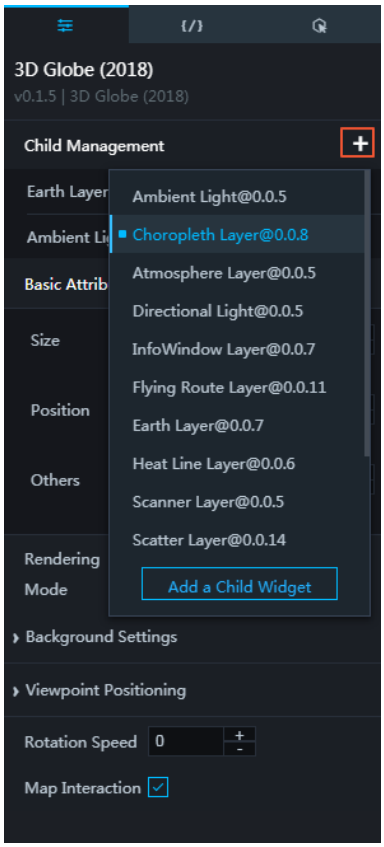
No settings are required.

10.3D Globe (2018)
10.1. Earth container

3D Globe (2018) is a container that holds a 3D earth model. You can add layers such as an earth layer, an atmosphere layer, and flying routes layers to this container. You can show real-time data across the world from multiple perspectives and in diverse forms.

Style

- **Child Management**
  - **Add a Child Widget**: Click the **+** icon next to **Child Management**, select a child widget, and then click **Add a Child Widget**. The added child widget is displayed in **Child Management**.



  - Copy, edit, or delete a child widget: Move the mouse over the added child widget and click

    next to the child widget name to copy the child widget. Click

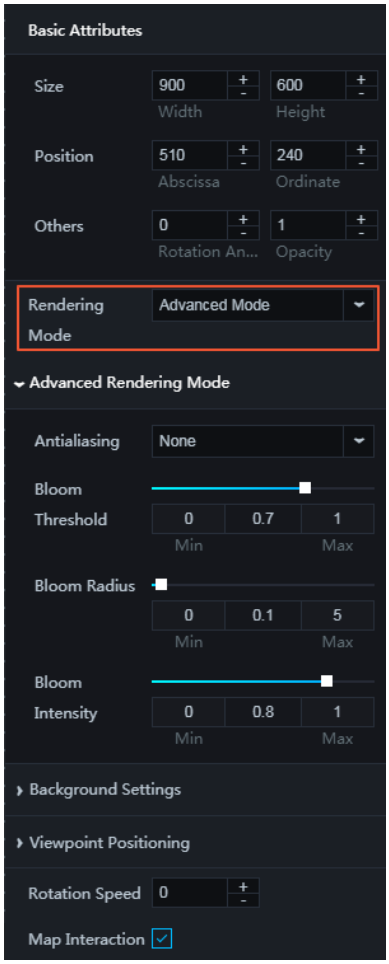
    

    to edit the name of the child widget. Click

    to delete the child widget.

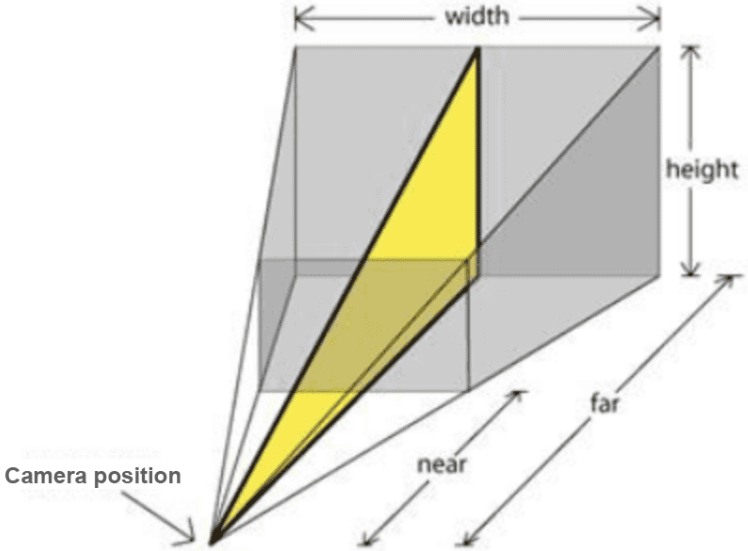
-
- **Rendering Mode**: You can select **Advanced mode** to configure advanced graphic effects.



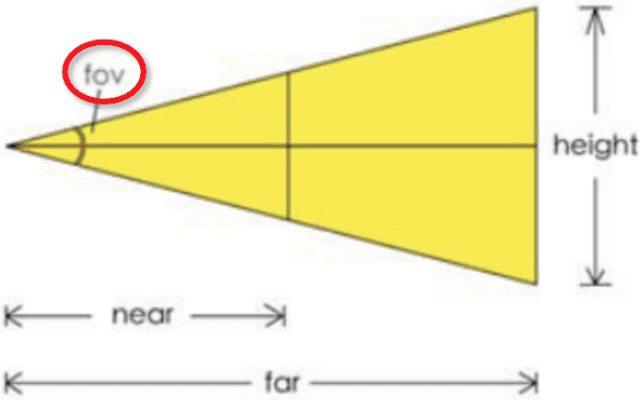
Advanced Rendering Mode:

- Antialiasing: Select **SMAA Antialiasing**, **FXAA Antialiasing**, or **None** in the drop-down list. The default value is **None**.
- **Bloom Threshold**: Drag the slider or enter a value to modify the threshold of the bloom. The range of the value is 0-1.
- **Bloom Radius**: Drag the slider or enter a value to modify the radius of the bloom. The range of the value is 0-1.
- **Bloom Intensity**: Drag the slider or enter a value to modify the intensity of the bloom. The range of the value is 0-1.

- **Background Settings**: Modify the background color of the 3D earth. For more information, see Color Picker.
- **Viewpoint Positioning**: Drag the sliders or enter values to modify your viewpoint. The viewpoint contains four parameters: **Field of View**, **Latitude**, **Longitude**, and **Distance**. Configure these parameters based on the principles of the camera to adjust the view of the earth.
  - Field of View: The visual angle of the camera. The earth becomes smaller if you increase the visual angle.



perspective



Top view

  - Latitude and Longitude: The latitude and the longitude of the viewpoint of the camera on the earth.
  - Distance: The distance between the camera and the earth. The earth becomes smaller if you increase the value.

- **Rotation Speed**: Enter a value or click + or - to modify the rotation speed of the earth. The range of the value is 0-10. The earth stops rotation if the value is set to 0.
- **Map Interaction**: Select the check box to enable the map interaction feature. With this feature, you can create interaction events in the preview page or the published page. For example, you can create an event that is triggered by clicking. Clear the check box to disable the map interaction feature.

Data

No data configuration is required for this widget.

Interaction

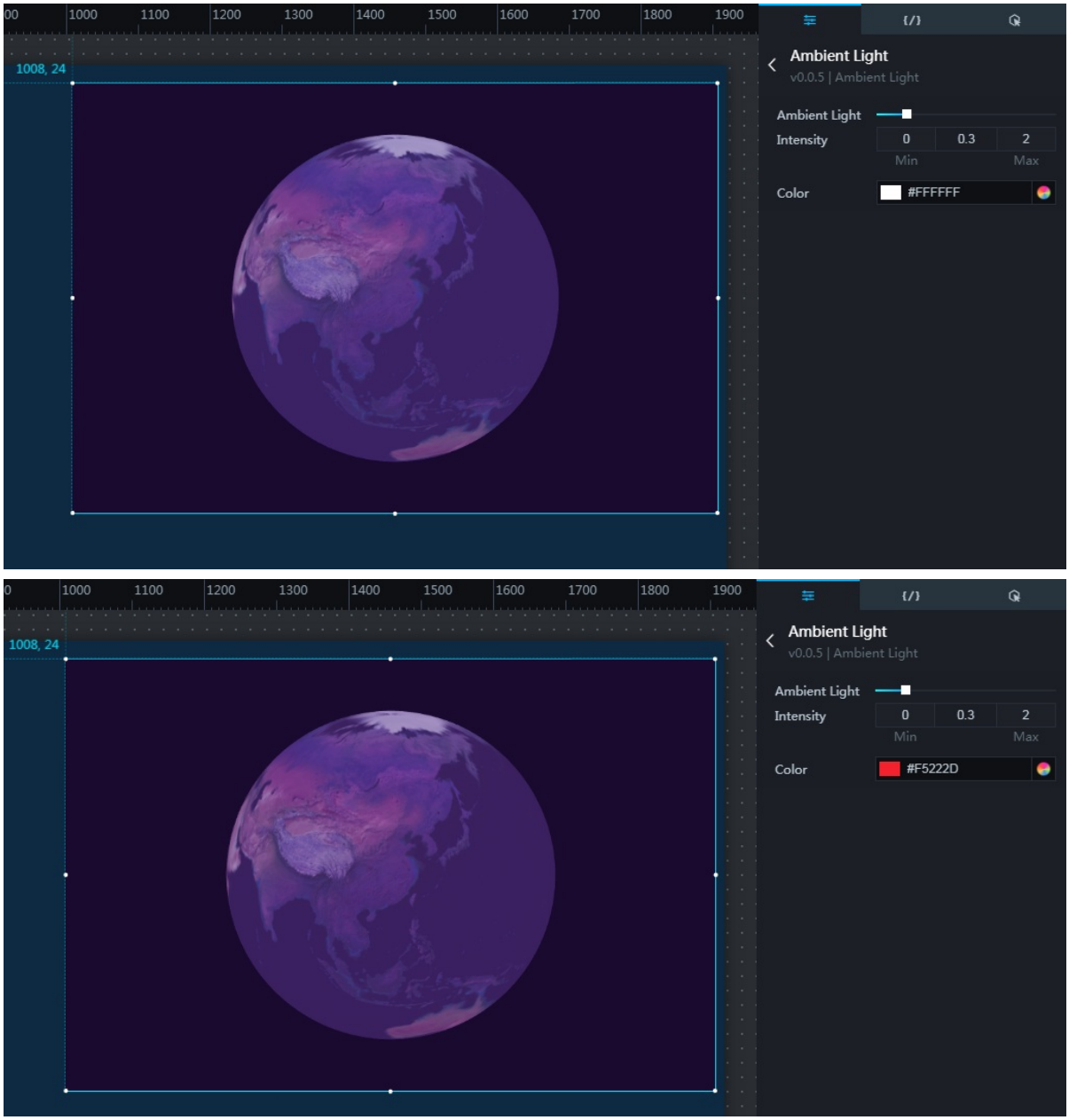
This widget is not bound to any events.

10.2. Ambient Light

You can simulate the ambient light around the earth by using the ambient light layer. This layer shows the colors and other effects of the ambient light.

Style

- **Ambient Light Intensity**: Drag the slider or enter a value to modify the intensity of the ambient light.
- **Color**: Modify the color of the ambient light. For more information, see Color Picker.



Data

No data configuration is required for this widget.

Interaction

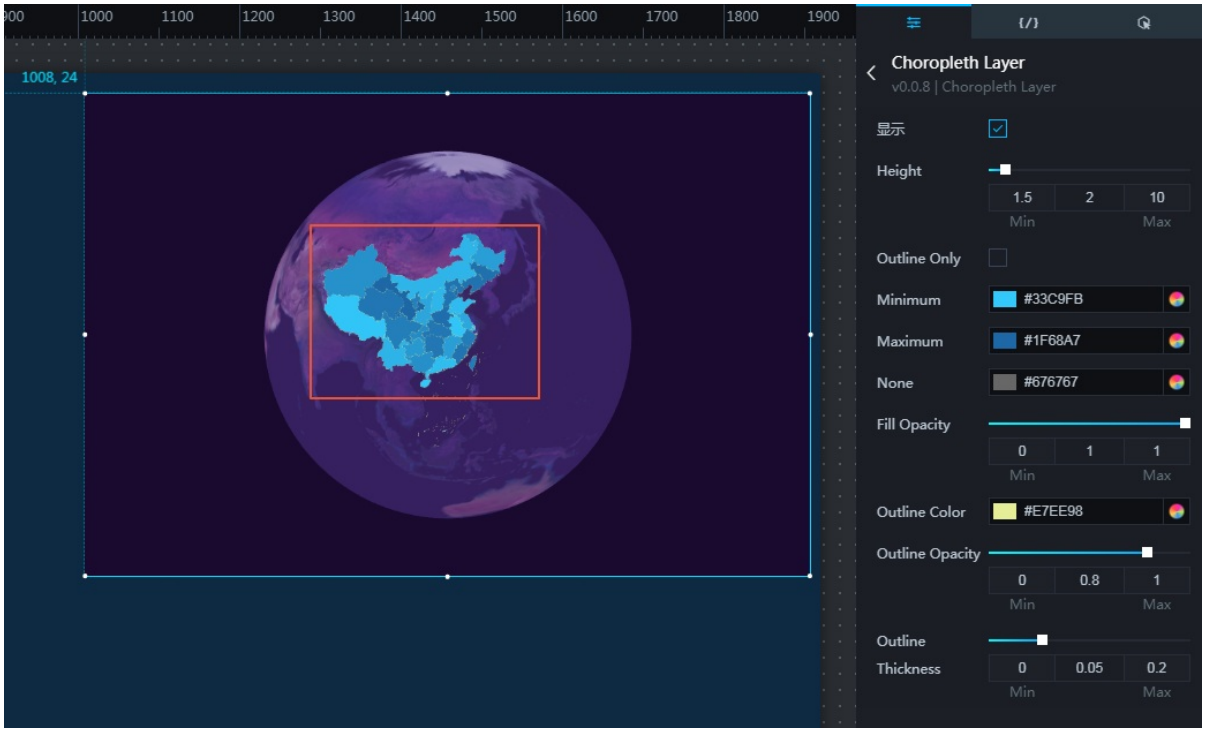
This widget is not bound to any events.

10.3. Choropleth Layer

You can present area boundaries and render area styles based on data in the GeoJSON format by using the choropleth layer.

Style

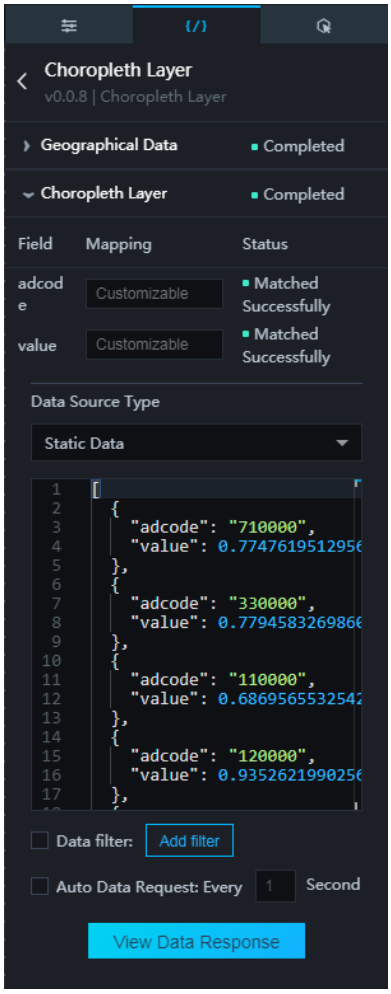
- **Display**: Select to display the choropleth layer. Clear the check box to hide the choropleth layer.
- **Height**: Drag the slider or enter a value to modify the distance between the choropleth layer and the earth layer.
- **Outline Only**: Select the check box to display only the outlines. Clear the check box to highlight the areas. You can configure the styles of the areas and the outlines.



  - **Minimum**: Modify the color of the area whose value field in the data tab is set to the minimum value. For more information, see Color Picker.
  - **Maximum**: Modify the color of the area whose value field in the data tab is set to the maximum value. For more information, see Color Picker.
  - **None**: Modify the color of the area whose value field in the data tab is not specified. For more information, see Color Picker.
  - **Fill Opacity**: Drag the slider or enter a value to modify the opacity of the highlighted areas.
- **Outline Color**: Modify the color of the outlines. For more information, see Color Picker.
- **Outline Opacity**: Drag the slider or enter a value to modify the opacity of the outlines.
- **Outline Thickness**: Drag the slider or enter a value to modify the width of the outlines.

Data

- **Geographical Data** : Customize the geographical data to define an area at the choropleth layer. The format of the data is GeoJSON. For more information about the format and how to obtain data, see Map data format.
- **Choropleth Layer** :



- adcode: The address code (adcode) of the area.
- value: The value of the area. The color of an area is determined by the Maximum and Minimum fields in the style tab and the value field in the data tab.

> **Note** The value field of an area determines where the color of the area is located in the color gradient.

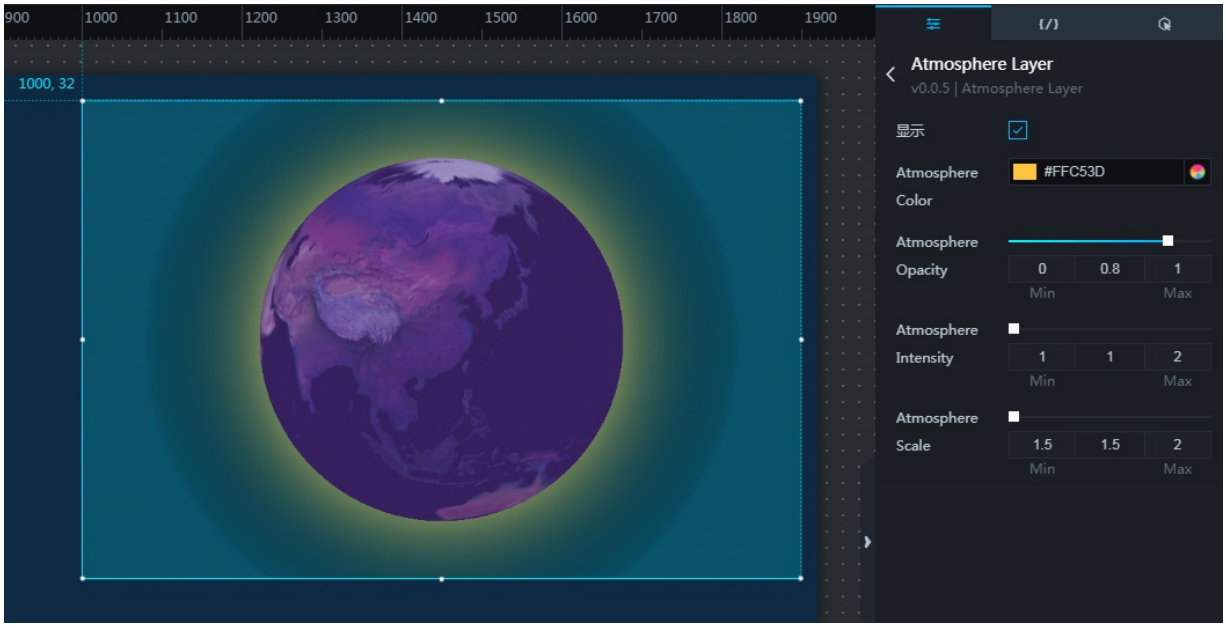
Interaction

This widget is not bound to any events.

10.4. Atmosphere Layer

You can simulate the atmosphere that surrounds the earth by using the atmosphere layer. This layer shows the color and other effects of the atmosphere.

Style



- **Display**: Select to display the atmosphere that surrounds the earth. Clear the check box to hide the atmosphere.
- **Atmosphere Color**: Modify the color of the atmosphere. For more information, see Color Picker.
- **Atmosphere Opacity**: Drag the slider or enter a value to modify the opacity of the atmosphere.
- **Atmosphere Intensity**: Drag the slider or enter a value to modify the blurring of the atmosphere. The atmosphere becomes blurred if you increase the value.
- **Atmosphere Scale**: Drag the slider or enter a value to modify the size of the color ring that represents the atmosphere.

Data

No data configuration is required for this widget.

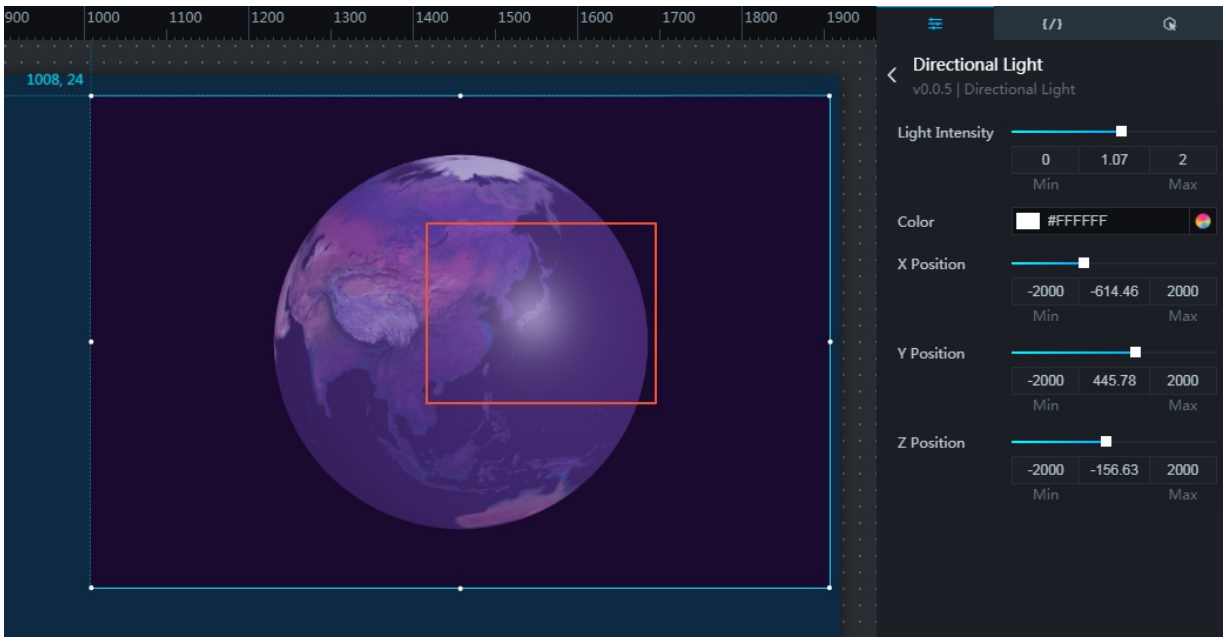
Interaction

This widget is not bound to any events.

10.5. Directional Light

Directional Light simulates a light that emits parallel rays to the globe.

Style



- **Light Intensity**: Drag the slider or enter a number manually to set the light intensity of the directional light layer.
- **Color**: For more information about how to adjust the light color of the directional light layer, see Color selector.
- **X Position/Y Position/Z Position**: The coordinate formed by the values of these three properties determines where the light is directed. Drag the sliders or enter numbers manually to adjust the direction of the light.

Data

Data configuration is not required for the component.

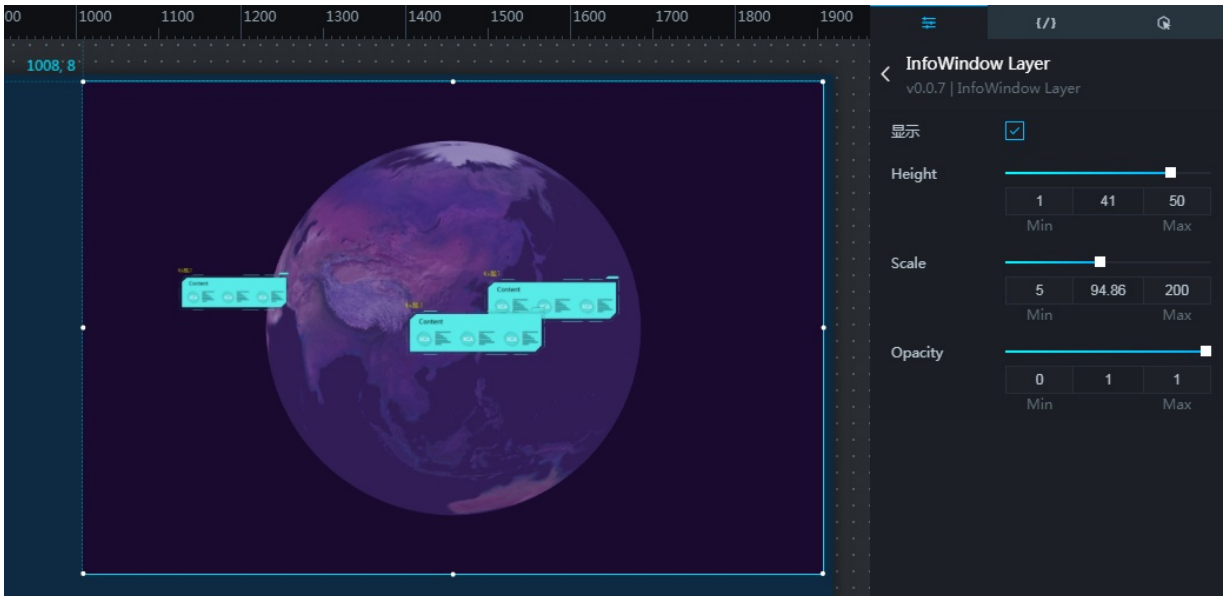
Interaction

The component does not have any interaction events.

10.6. InfoWindow Layer

InfoWindow Layer shows detailed information based on geographic locations in the form of floating windows on the page of a project.

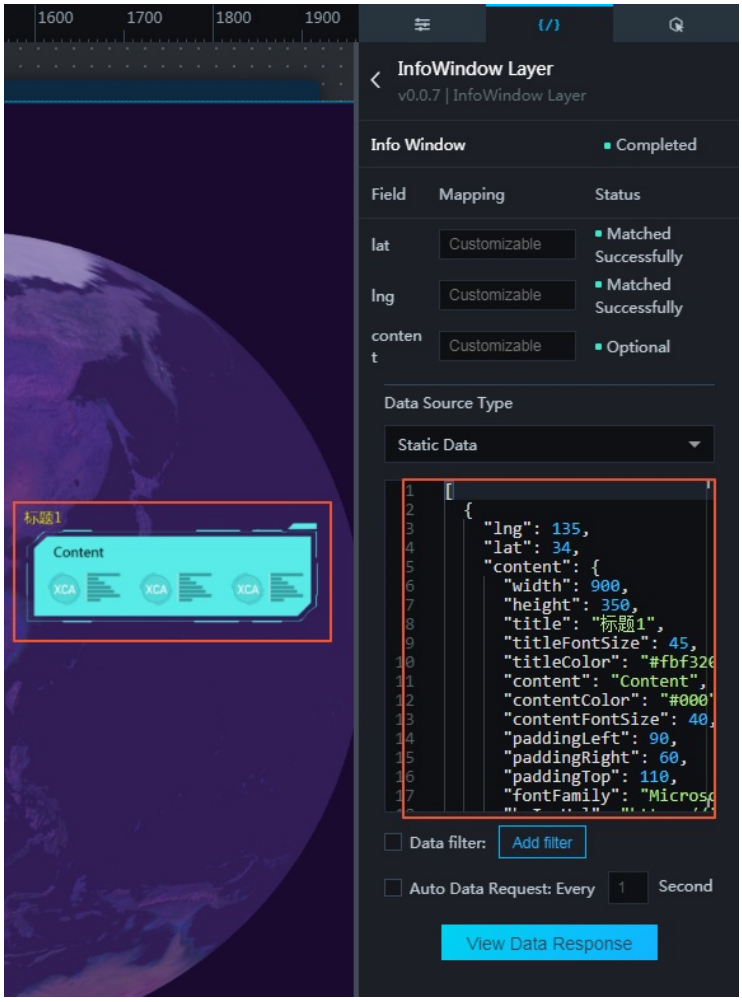
Style



- **Show**: Select the Show check box to show the info window layer. Clear the check box to hide the info window layer.

- **Height**: Drag the slider or enter a number manually to adjust the height of the info window layer from the surface of the globe.
- **Scale**: Drag the slider or enter a number manually to adjust the size of the info windows.
- **Opacity**: Drag the slider or enter a number manually to adjust the opacity of the info windows.

Data



- lat: The latitude of the location at which an info window is located.
- lng: The longitude of the location at which an info window is located.
- content: The text shown in an info window. The content property contains the following properties.
  - width: The width of an info window.
  - height: The height of an info window.
  - title: The title of an info window.
  - titleFontSize: The font size of the title.
  - titleColor: The color of the title.
  - content: The body content of an info window.
  - contentColor: The color of the body content.
  - contentFontSize: The font size of the body content.
  - paddingLeft: The space between the body content and the left border of an info window.
  - paddingRight: The space between the body content and the right border of an info window.
  - paddingTop: The space between the body content and the top border of an info window.
  - fontFamily: The font of the title and body content. Specify a font that has been installed on your operating system. If the specified font is not on your system, the default font is selected.
  - bgImgUrl: The background image of an info window.

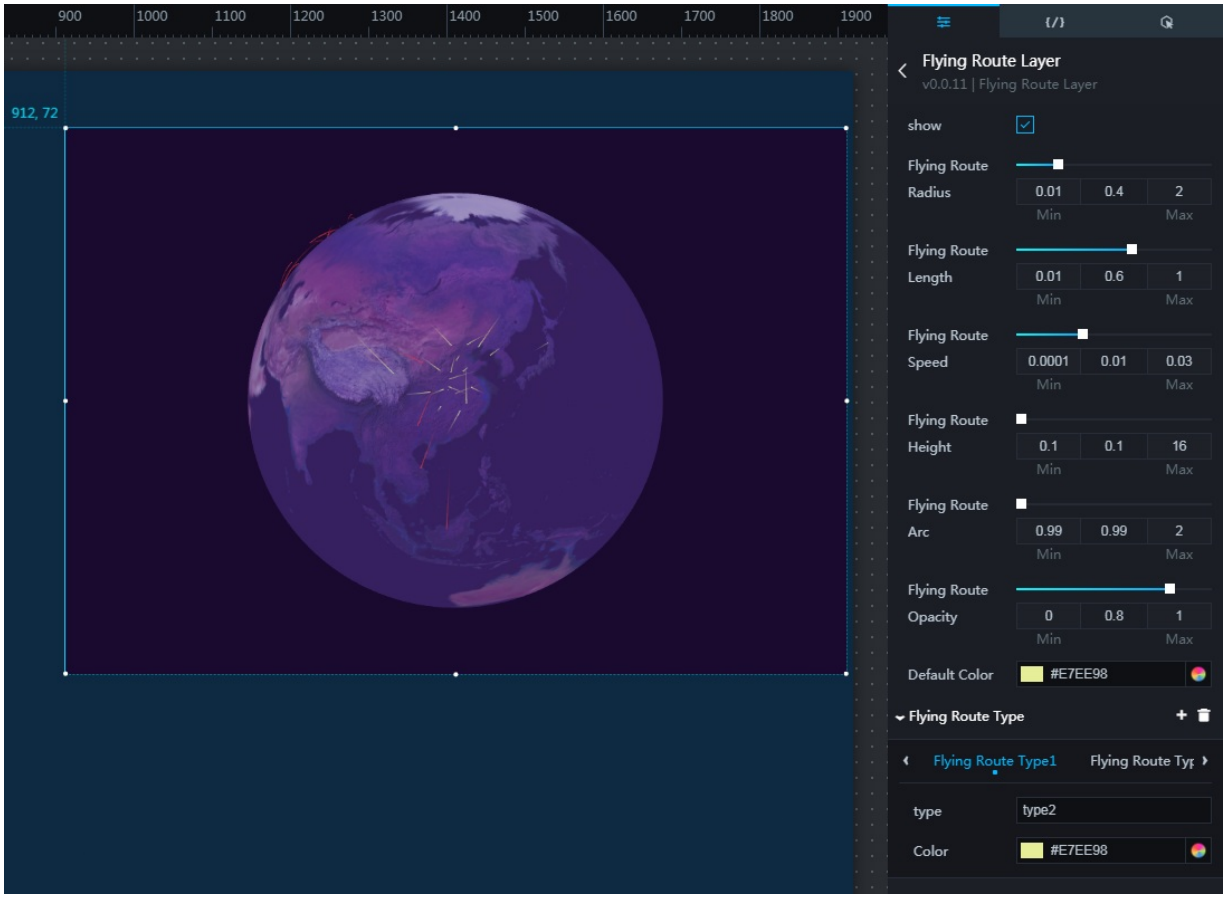
Interaction

The component does not have any interaction events.

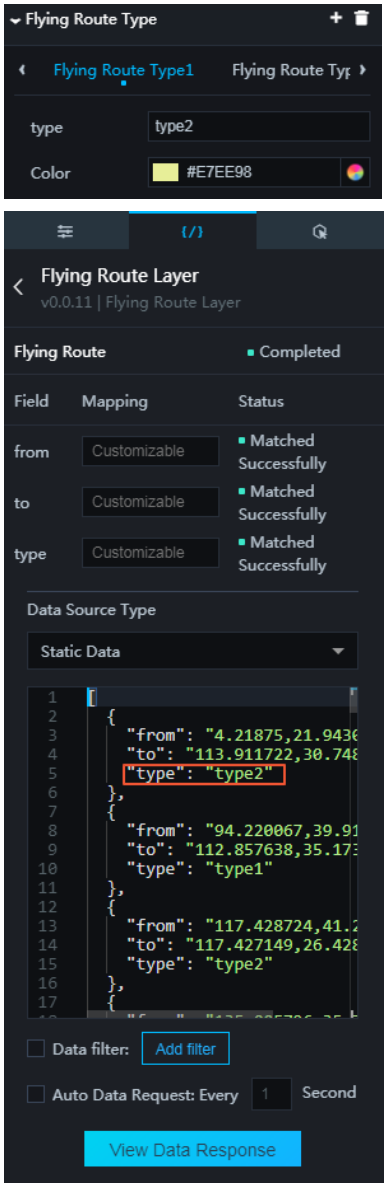
10.7. Flying Route Layer

Flying Route Layer uses lines to visualize origin-destination (OD) data, representing the connection between two locations such as logistics and trades.

Style



- **Show**: Select the Show check box to show the flying route layer. Clear the check box to hide the flying route layer.
- **Flying Route Radius**: Drag the slider or enter a number manually to adjust the radius of the scanner layer.
- **Flying Route Length**: Drag the slider or enter a number manually to adjust the length of the flying lines.
- **Flying Route Speed**: Drag the slider or enter a number manually to adjust the moving speed of the flying lines.
- **Flying Route Height**: Drag the slider or enter a number manually to adjust the height of the flying route layer from the surface of the globe.
- **Flying Route Arc**: Drag the slider or enter a number manually to adjust the curvature of the flying lines.
- **Flying Route Opacity**: Drag the slider or enter a number manually to adjust the opacity of the flying lines.
- **Default Color**: If the type of a flying line in the data source is not contained in the Flying Route Type property, then the default color is rendered for the flying line. For more information about how to modify the default color, see Color selector.
- **Flying Route Type**: The property contains the **Type** property and the **Color** property. The values of these two properties can be considered as the elements of two arrays. The values of the **type** properties for each flying route type are a subset of the values of the type properties that are specified for each flying line in the data source. If the type of a flying line in the data source is not included in the values of the **type** properties contained in the Flying Route Type property, then the **default color** is rendered for the flying line.



Data

- from: The start point of a flying line specified by the longitude and the latitude, which are separated by an English comma.
- to: The end point of a flying line specified by the longitude and the latitude, which are separated by an English comma.
- type: The alias of the color of a flying line. It is used in combination with the **Flying Route Type** property in the Style pane.

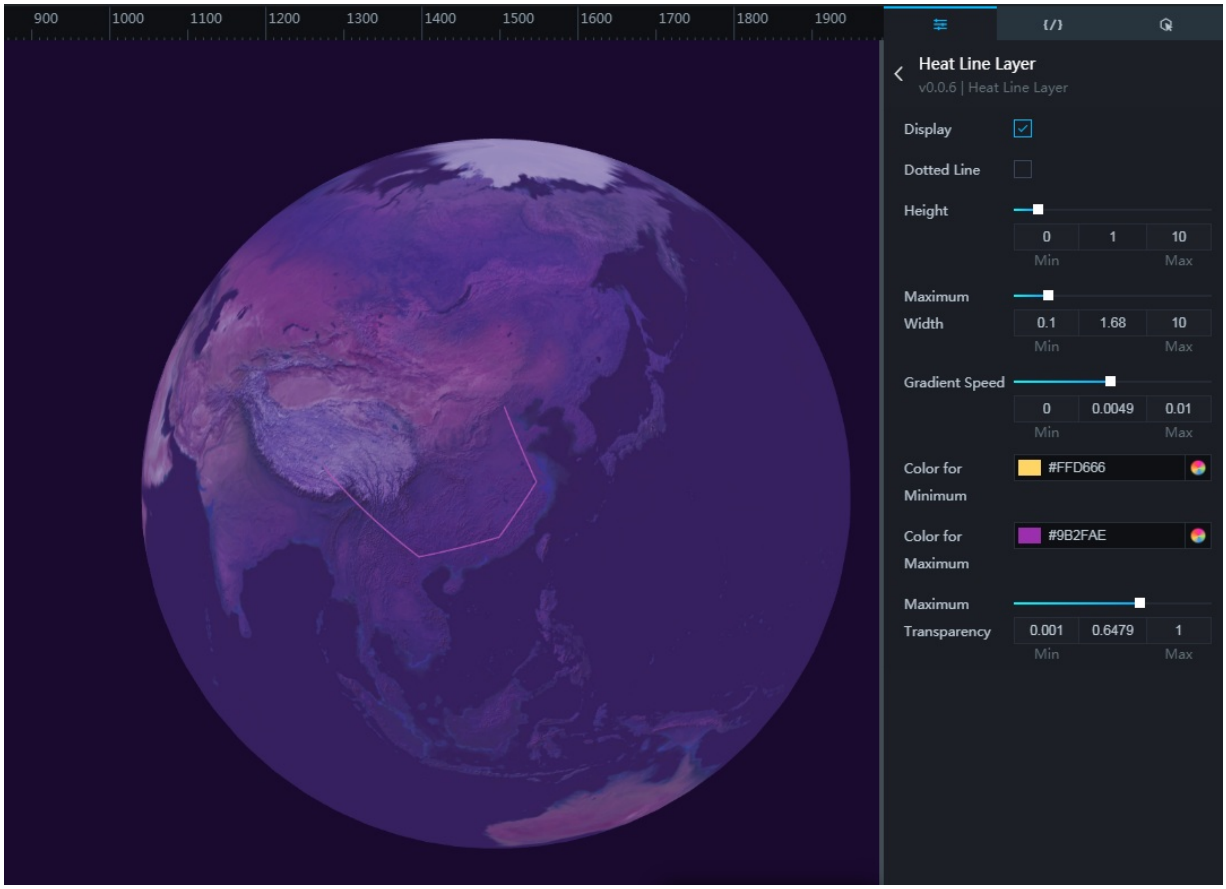
Interaction

The component does not have any interaction events.

10.8. Heat Line Layer

Scanner Layer is used to draw line elements on the positions of the globe, which are corresponding to geographic locations.

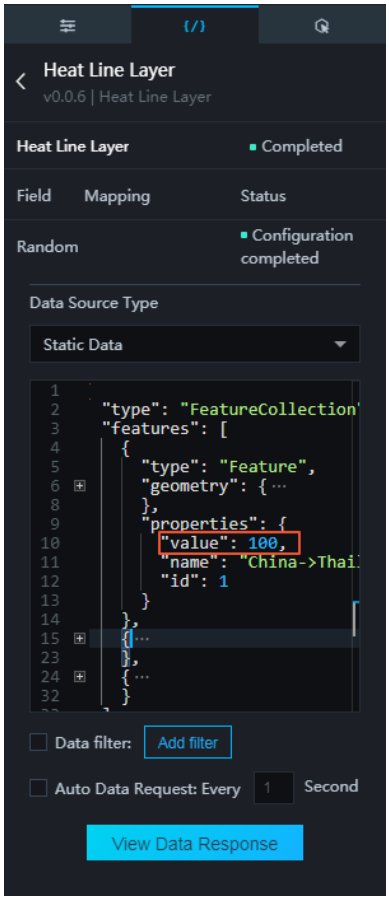
Style



- **Show**: Select the Show check box to show the heat line layer. Clear the check box to hide the heat line layer.
- **Dotted Line**: Select the Dotted Line check box to show the heat lines in the form of dotted lines.
- **Height**: Drag the slider or enter a number manually to adjust the height of the heat line layer from the globe.
- **Maximum Width**: Drag the slider or enter a number manually to adjust the maximum width of the heat lines. Specify the width of the heat line through setting the value of the value property in the data source.
- **Gradient Speed**: Drag the slider or enter a number manually to set the flickering speed of the heat lines. The greater the value, the higher the speed.
- **Color for Maximum**: For more information about how to adjust the color of the heat line that is corresponding to the value property that has the greatest value, see Color selector.
- **Color for Minimum**: For more information about how to adjust the color of the heat line that is corresponding to the value property that has the smallest value, see Color selector.
- **Maximum Transparency**: Drag the slider or enter a number manually to adjust the maximum transparency of the heat lines. The transparency of each heat line is based on the corresponding value of the value property in the data source.

Data

The component data is in GeoJSON format. For more information about data formats and data acquisition, see Map data format.
Values of the value properties for each line can be configured in the properties properties.



Note The range of the hexadecimal color values is calculated based on the range of values of the value properties in the data source.

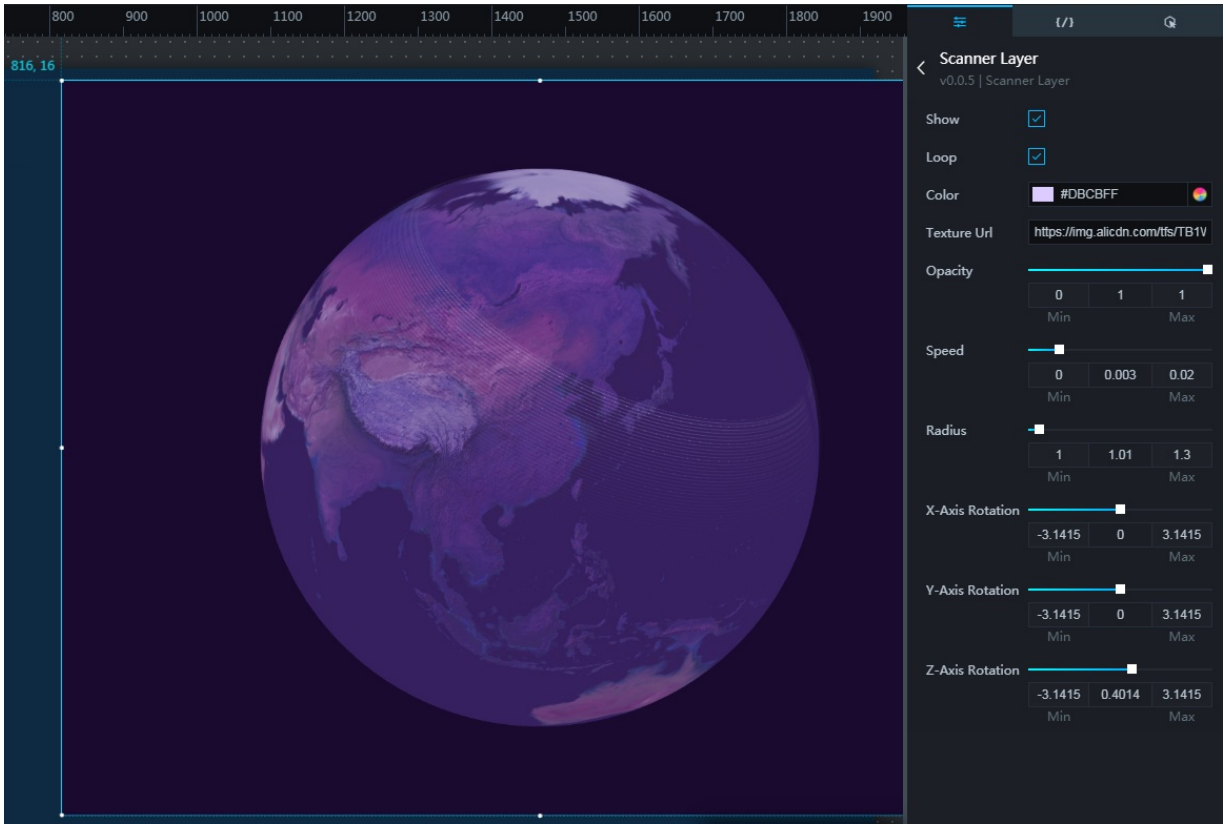
Interaction

The component does not have any interaction events.

10.9. Scanner Layer

Scanner Layer simulates the dynamic effects of scanning lines by looping through texture animation.

Style



- **Show**: Select the Show check box to show the scanner layer. Clear the check box to hide the scanner layer.
- **Loop**: Select the Loop check box to loop through the scanning animation.
- **Color**: For more information about how to modify the color of the scanner layer, see Color selector.
- **Texture Url**: Set the texture style of the scanner layer by entering the URL of the texture image.
- **Opacity**: Drag the slider or enter a number manually to adjust the opacity of the scanner layer.
- **Speed**: Drag the slider or enter a number manually to adjust the speed of the animation for the scanner layer.
- **Radius**: Drag the slider or enter a number manually to adjust the radius of the scanner layer.
- **X-Axis Rotation/Y-Axis Rotation/Z-Axis Rotation**: Drag the sliders or enter numbers manually to adjust the three-dimensional coordinate, which represents the center of the scanner layer.

Data

Data configuration is not required for the component.

Interaction

The component does not have any interaction events.

10.10. Scatter Layer

Scatter Layer shows the data information corresponding to the geographic location in the form of dots.

Style

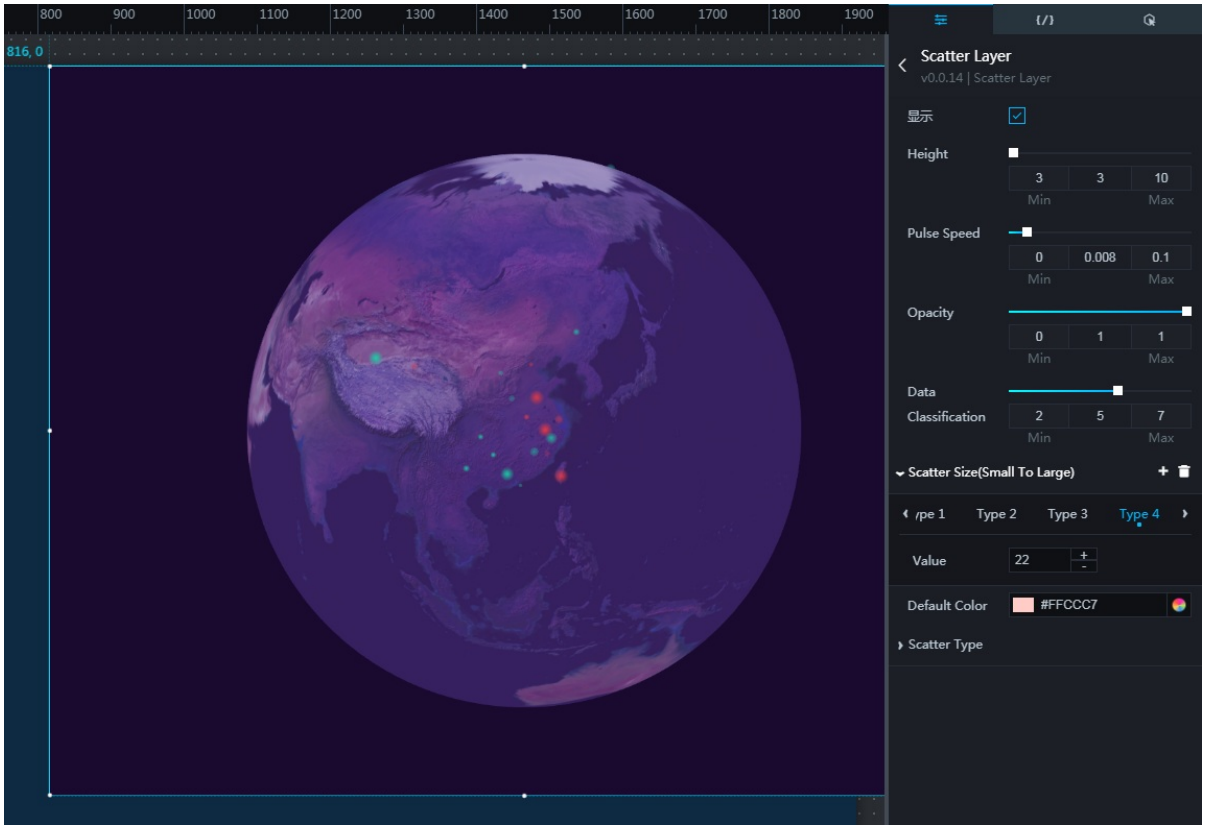
- **Show**: Select the Show check box to show the scatter layer. Clear the check box to hide the scatter layer.
- **Height**: Drag the slider or enter a number manually to set the height of the scatter layer from the surface of the globe.
- **Pulse Speed**: Drag the slider or enter a number manually to set the flickering speed of the dots in the scatter layer.
- **Opacity**: Drag the slider or enter a number manually to set the opacity of the scatter layer. The value is from 0 to 1.
- **Data Classification**: You can use the property to classify data into multiple grades based on the values of the value properties in the data source. The value is from 2 to 7 (integer). Drag the slider or enter a number manually to specify the number of data grades to classify. The property helps you avoid the issue of rendering that is caused by the large difference between the minimum and the maximum values of the value properties.
- **Dot Size (Small To Large)**: Click the plus (+) sign or the **trash can** icon to add or delete a type.

- **Value**: Enter a number manually or click the plus (+) /minus (-) sign to specify the size of the dot corresponding to the type.

  > **Notice** The values of the property can be considered as elements of an array. Used in combination with Data Classification, the values increase with the ordinals of types. For example, if the value of Type 1 is set to 10, then the size of a dot with a value of 0 to 10 in the data source is shown as the size a dot with a value of 10. If the value of Type 2 is set to 20, then the size of a dot with a value of 11 to 20 is shown as the size of a dot with a value of 20. Assuming that the value of Data Classification is set to 3, the size of a dot with a value greater than 20 is shown as the size of a dot with the value of Type 3.

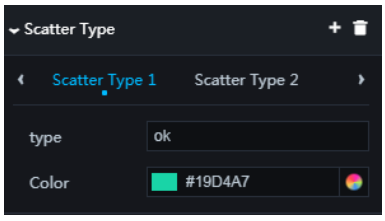
- **Default Color**: For more information about how to modify the default color, see Color selector.

  > **Note** If the type property of a dot in the data source is not contained in the Scatter Type pane, then the default color is used for rendering the dot.



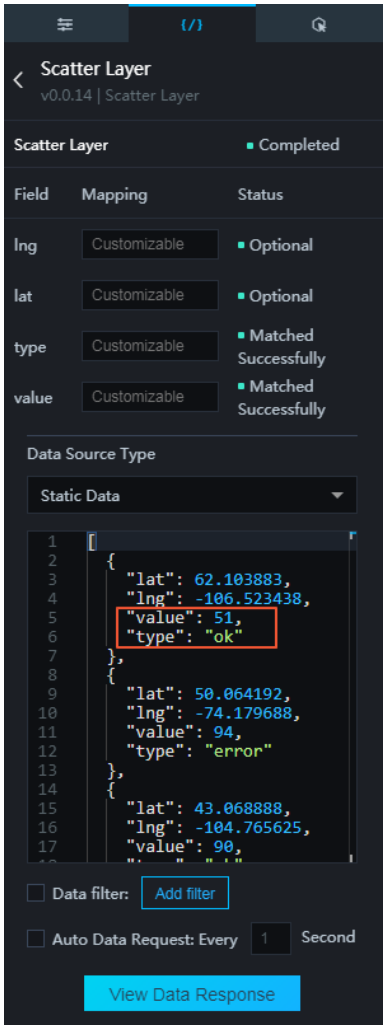
- **Scatter Type**: Click the plus (+) sign or the **trash can** icon to add or delete a type.
  - **type**: The values of the type properties for each scatter type are a subset of the values of the type properties that are specified for each dot in the data source.
  - **Color**: For more information about how to modify the color for a scatter type, see Color selector.

    > **Note** The values of the property can be considered as elements of an array. You can configure colors for scatter types. A color is rendered for a dot based on its type property specified in the data source. If the type property of a dot in the data source is not contained in the Scatter Type pane, then the default color is used for rendering the dot.



Data

- lng: The longitude of a dot.
- lat: The latitude of a dot.
- type: The type of a dot. It specifies the color of the dot corresponding to the scatter type property in the Style pane.
- value: The value of a dot. It determines the size of a dot in combination with the Dot Size property in the Style pane.



Interaction

The component does not have any interaction events.

10.11. Scene Manager

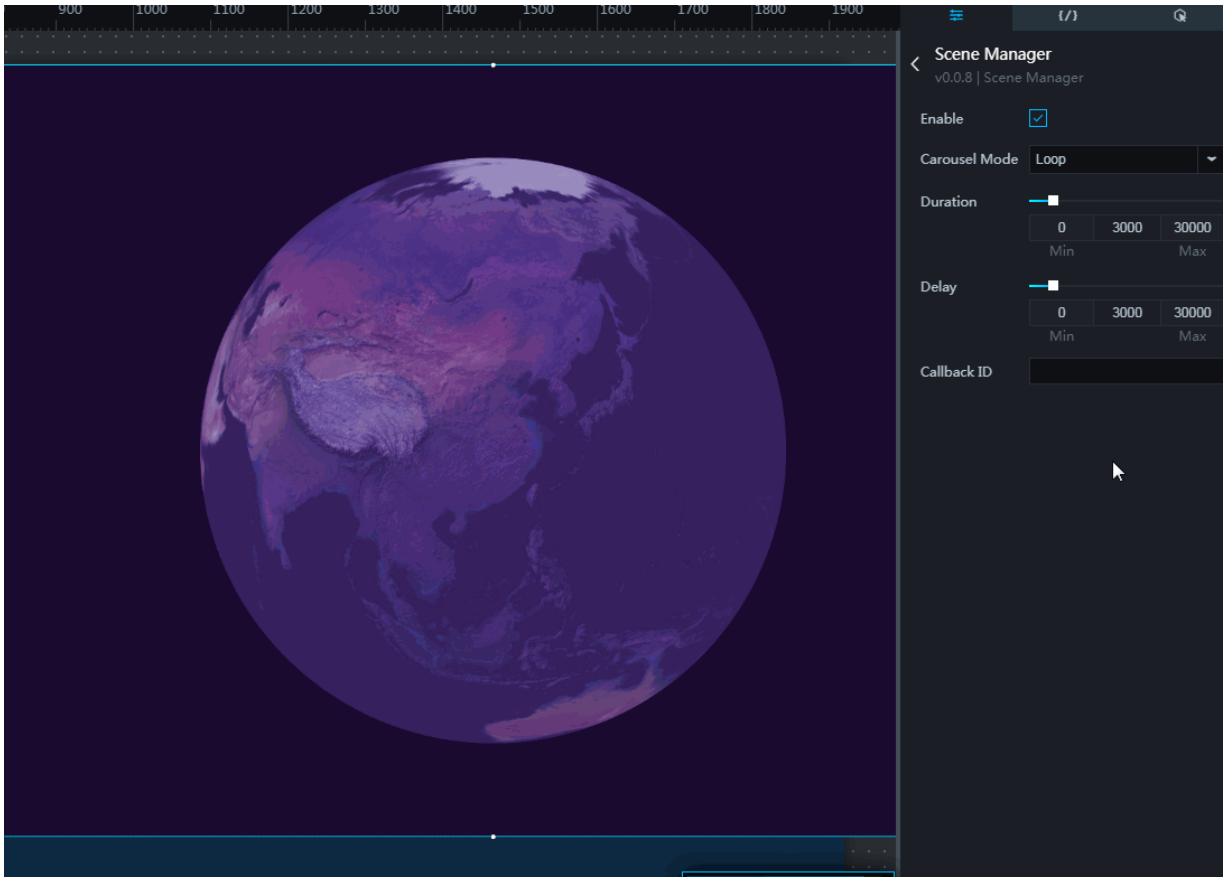
Scene Manager enables you to view the different parts of a globe by rotating and zooming the camera.

Style

- **Enable**: Select the Enable check box to enable the scene manager. Clear the check box to disable the scene manager.
- **Carousel Mode**: Click the drop-down list and select the carousel mode as needed.
  - **Play once.**
  - **Loop.**
- **Duration**: Drag the slider or enter a number manually to adjust the duration of the animation for each scene. The value is from 0 to 30000. The unit is in milliseconds. If the values of the duration properties in the data source are specified, then the value of the Duration property in the Style pane is not applicable.
- **Delay**: Drag the slider or enter a number manually to adjust the interval between the animations for scenes. The value is from 0 to 30000. The unit is in milliseconds. If the values of the delay properties in the data source are specified, then the value of the

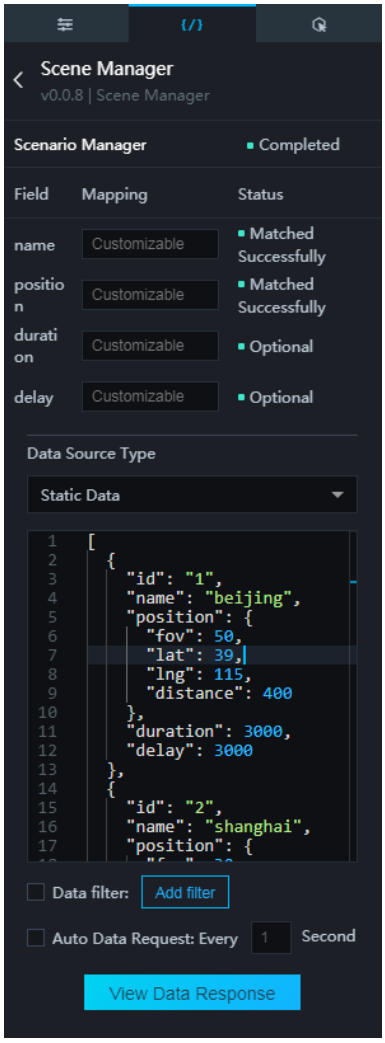
Delay property in the Style pane is not applicable.

- **Callback ID**: Sets the callback ID of the component. The value of a callback ID (similar to a parameter variable) is passed to other components when the animation for a scene ends. A callback ID specifies the field that is used to implement filter interactions among components. The field must be contained in the data source.



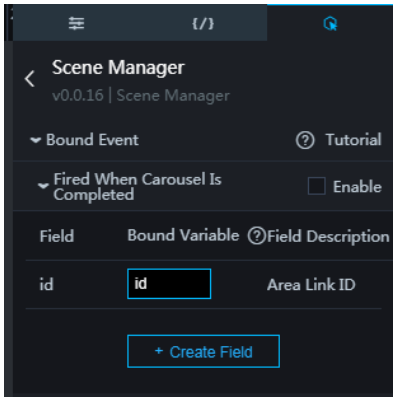
Data

- name: Specifies the name of the scene.
- position: Specifies the coordinate of the scene, the field of view of the camera, and the distance to the camera. The position property includes four properties: fov (camera field of view), lat (latitude), lng (longitude), and distance (camera distance).
- duration: Specifies the duration of the animation for the scene.
- delay: Specifies the time interval between animations for the scenes.



Interaction

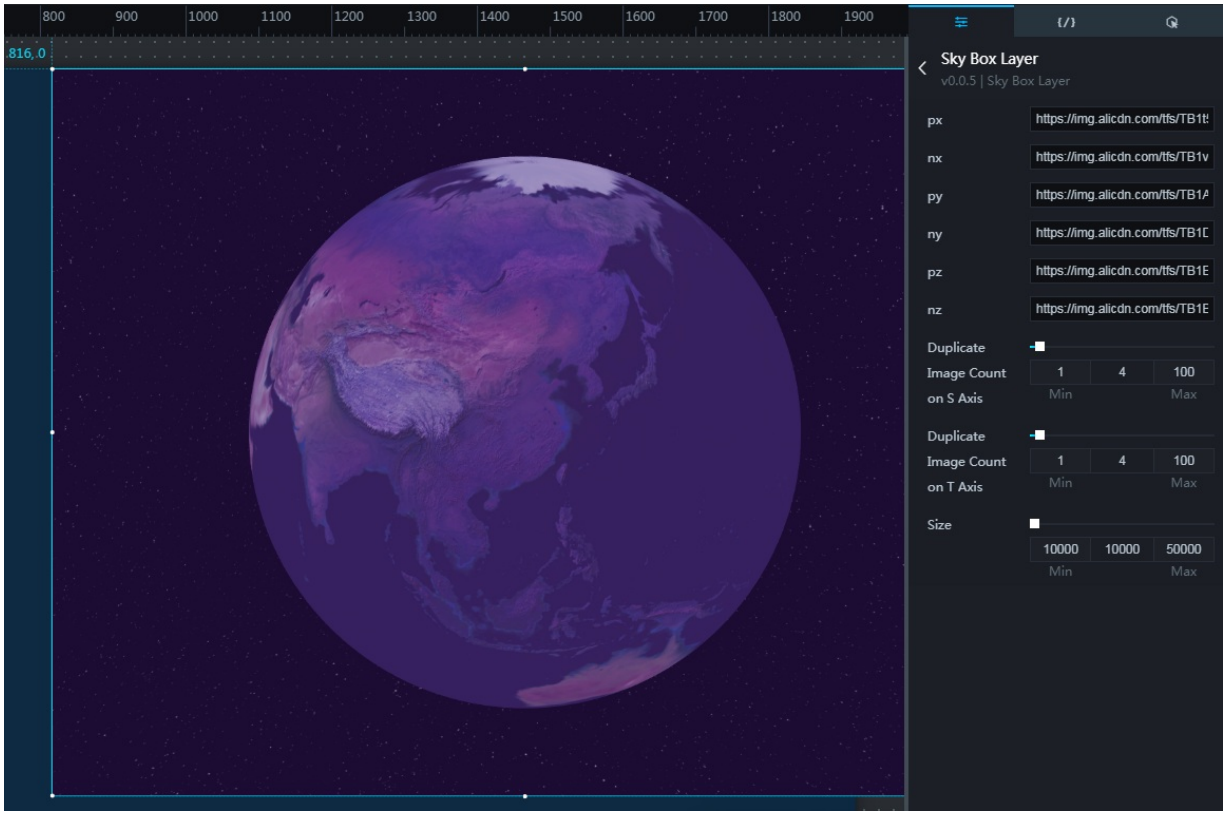
Enable: Select the Enable check box to enable interactions among the components. You can configure interactions in Scene Manager to pass the value of a callback ID when a scene ends. The default callback ID is the id property in the data source. For more information, see Configurations for component callback IDs.



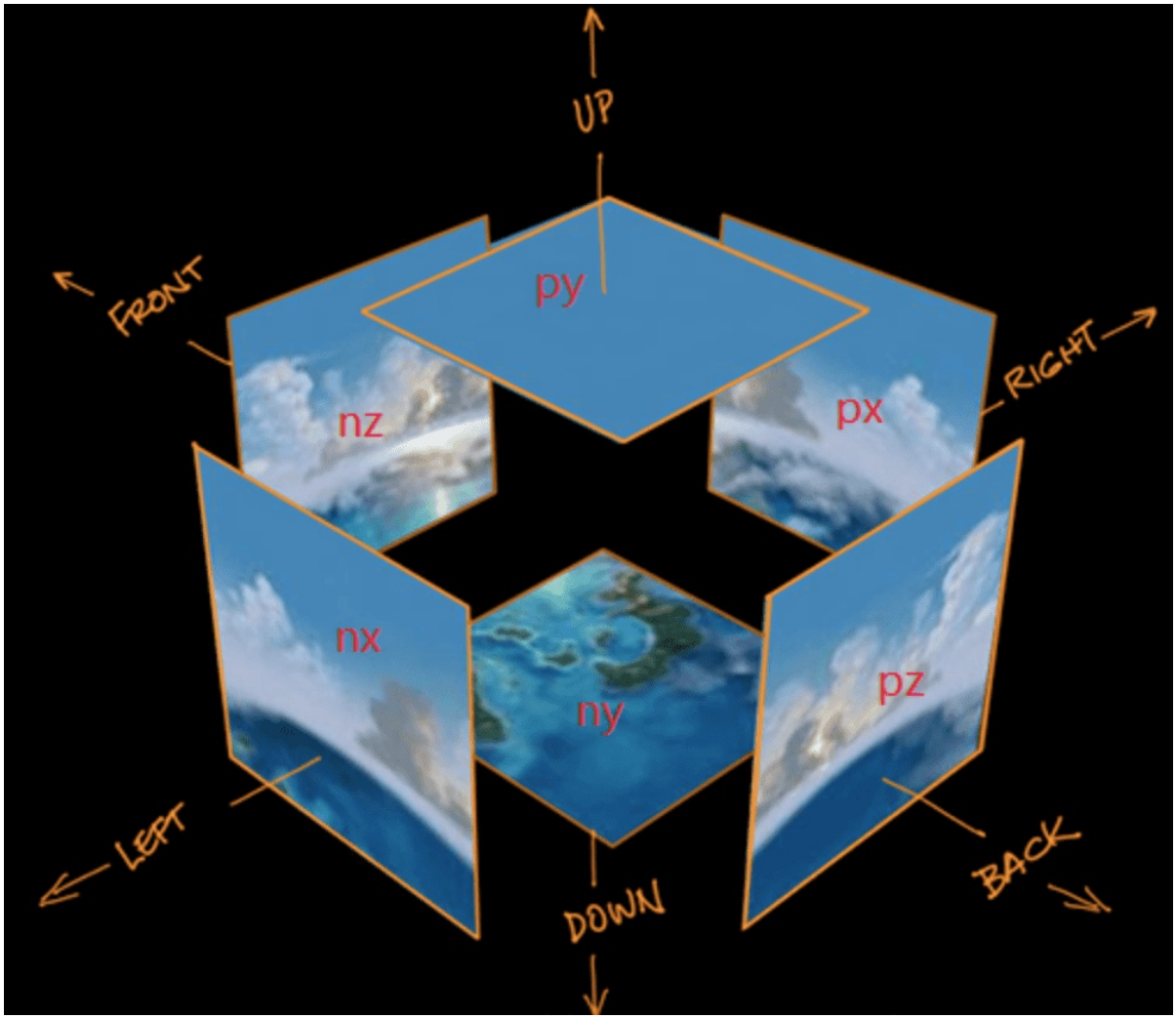
10.12. Sky Box Layer

Sky Box Layer provides users with an immersive experience by creating three-dimensional box models with texture applied on each surface.

Style



- **px/nx/py/ny/pz/nz**: These six properties specify the texture for each surface of the box model by the URLs as shown in the following figure. Enter the URLs of the texture images manually to set the style of the box model.



- **Duplicate Image Count on S Axis** : Drag the slider or enter a number manually to adjust the number of duplicate texture images along the horizontal axes.
- **Duplicate Image Count on T Axis** : Drag the slider or enter a number manually to adjust the number of duplicate texture images along the vertical axis.
- **Size**: Drag the slider or enter a number manually to adjust the size of the texture images.

Data

Data configuration is not required for the component.

Interaction

The component does not have any interaction events.

10.13. Trajectory Layer

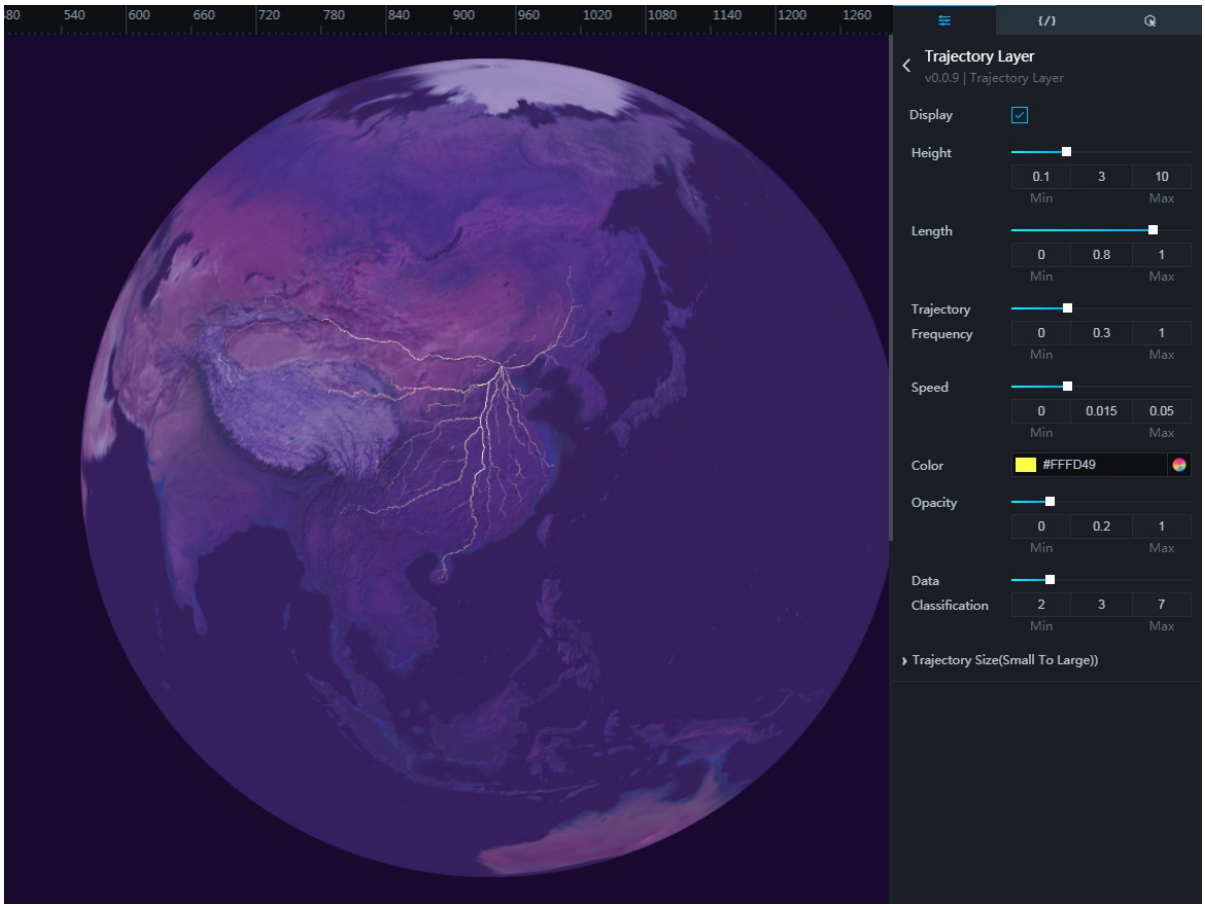
Trajectory Layer simulates the effect of a trajectory by showing the process of rendering the line that connects dots.

Style

- **Show**: Select the Show check box to show the trajectory layer. Clear the check box to hide the trajectory layer.
- **Height** : Drag the slider or enter a number manually to adjust the height of the trajectory layer from the surface of the globe. The value is from 0.1 to 10.
- **Length**: Drag the slider or enter a number manually to adjust the lengths of the trajectories. The value is from 0 to 1.
- **Trajectory Frequency**: Drag the slider or enter a number manually to adjust the time interval of repeated movements for a trajectory. The value is from 0 to 1.
- **Speed**: Drag the slider or enter a number manually to adjust the speed of the movement for a trajectory. The value is from 0 to

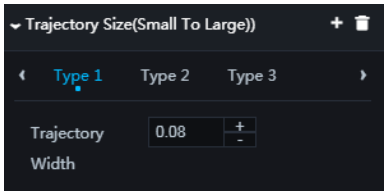
0.05.

- **Color**: For more information about how to adjust the color of trajectories, see Color selector.
- **Opacity**: Drag the slider or enter a number manually to adjust the opacity of the trajectories. The value is from 0 to 1.
- **Data Classification**: Drag the slider or enter a number manually to specify the number of data grades to classify. The property helps you to avoid the issue of rendering that is caused by the large difference between the maximum and minimum value of the value properties. You can use the property to classify data into multiple grades based on the values of the value properties under the properties properties in the data source. The value is from 2 to 7 (integer).
-

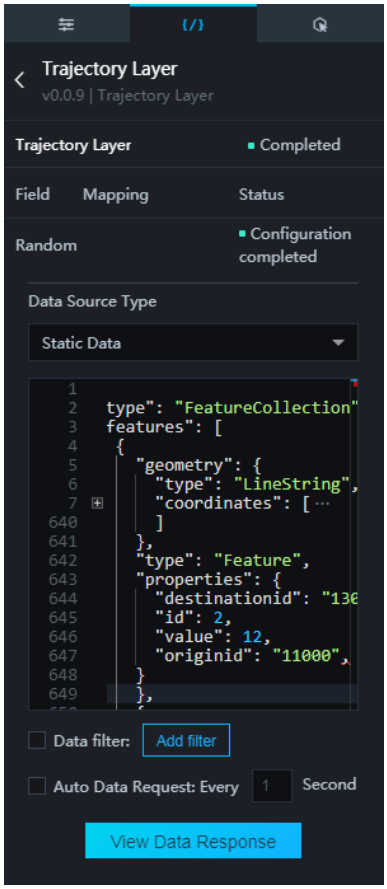


- **Trajectory Size (Small To Large)**: Click the plus (**+**) sign or the **trash can** icon to add or delete a type.
  - **Trajectory Width**: Enter a number manually or click the plus (**+**) /minus (**-**) sign to specify the width of the trajectories corresponding to the type.

> **Notice** The values of the properties can be considered as the elements of an array. Used in combination with Data Classification, the values increase with the ordinals of the types. For example, if the value of Type 1 is set to 10, then the size of a dot with a value of 0 to 10 in the data source is shown as the size a dot with a value of 10. If the value of Type 2 is set to 20, then the size of a dot with a value of 11 to 20 is shown as the size of a dot with a value of 20. Assuming that the value of Data Classification is set to 3, the size of a dot with a value greater than 20 is shown as the size of a dot with the value of Type 3.

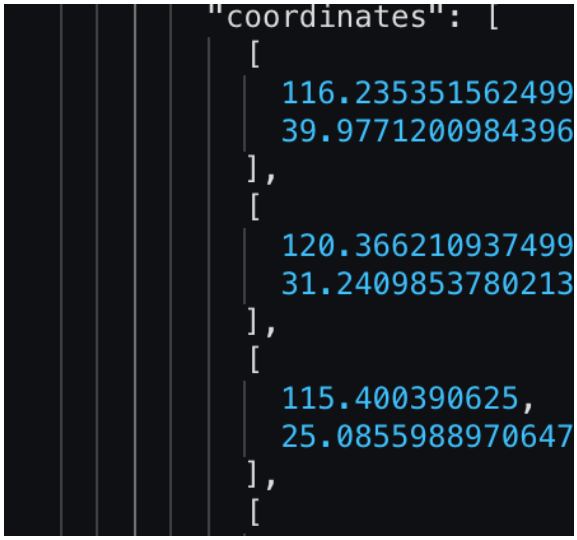


Data



The component data is in GeoJSON format. For more information about data formats and data acquisition, see Map data format.

- geometry: Specifies the value of the type property to be *LineString*.
- coordinates: Specifies multiple coordinates, which are formed by longitudes and latitudes.



- properties: Specifies the values of the originid (representing start points) properties and the destinationid (representing end points) properties in the adcode format. Specifies the values of the value properties. The value property determines the width of a trajectory in combination with the Trajectory Size property in the Style pane. The default value is 1.

Interaction

The component does not have any interaction events.

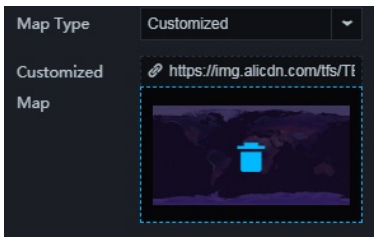
10.14. Earth Layer

Earth Layer is the basic spherical component of a 3D globe.

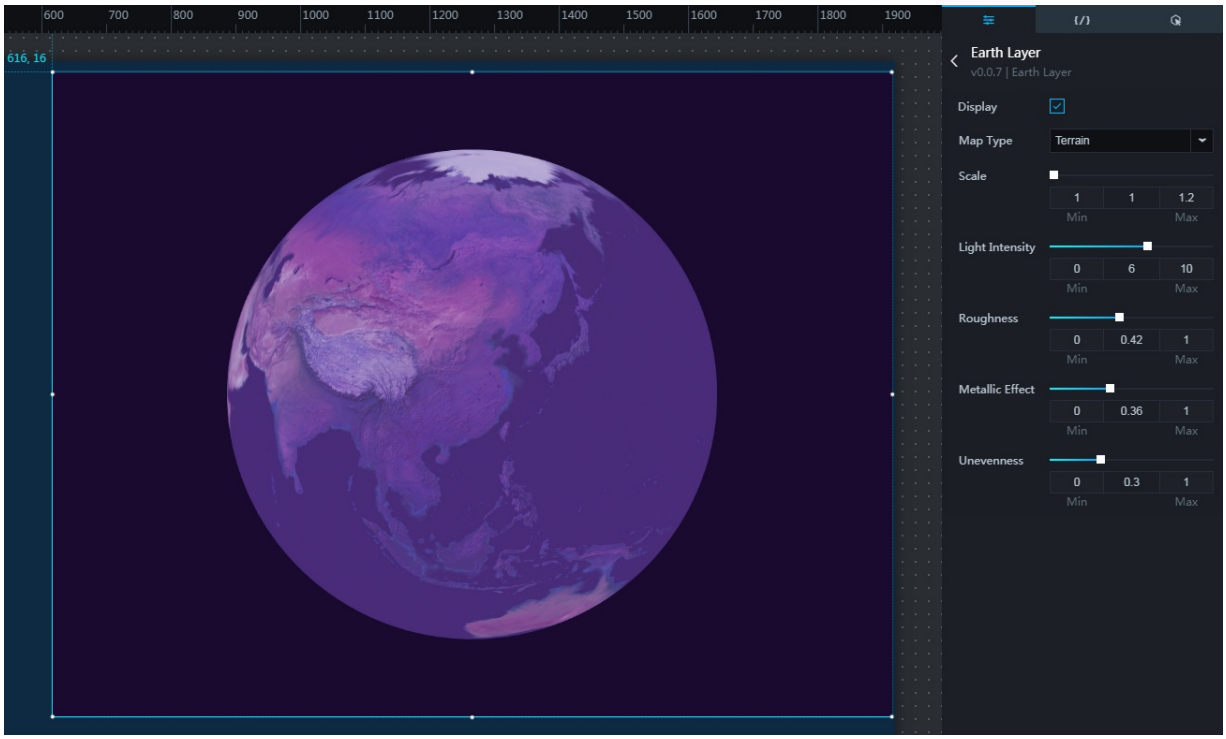
Style

- **Show**: Select the Show check box to show the earth layer. Clear the check box to hide the earth layer.
- **Map Type**: Click the drop-down list and select the style of the map for the earth layer.
  - **Terrain**
  - **Satellite**
  - **Particle**
  - **Administrative Regions**
  - **Customized**

> **Note** After selecting **Customized** as the map type, you can drag an image to the dashed box or copy and paste the URL of an image in the link box.



- **Scale**: Drag the slider or enter a number manually to scale the sphere. The value is from 1 to 1.2.
- **Light Intensity**: Drag the slider or enter a number manually to set the light intensity for controlling the brightness of the sphere. The value is from 0 to 10.
- **Roughness**: Drag the slider or enter a number manually to adjust the roughness of the physically based rendering (PBR). The value is from 0 to 1.
- **Metallic Effect**: Drag the slider or enter a number manually to adjust the metallic effect of the PBR material. The value is from 0 to 1.
- **Unevenness**: Drag the slider or enter a number manually to adjust the unevenness of the PBR material. The value is from 0 to 1.



Data

Data configuration is not required for the component.

Interaction

The component does not have any interaction events.

11.Text

11.1. Title

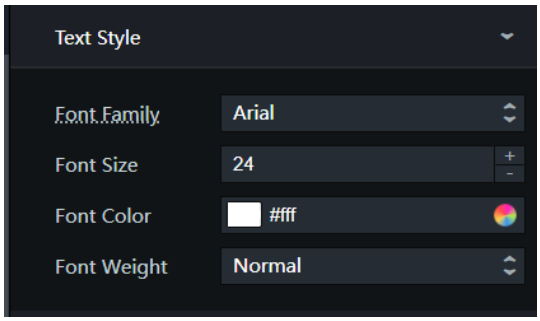
The title widget allows you to customize the title style, the title text, and other options as needed.

Style

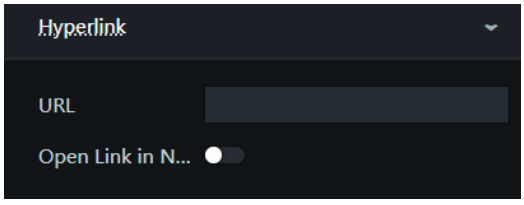
-
- **Title Name**: You can enter letters, numbers, and special characters for the title as needed. You can also enter the title in the data pane.

  > Note
  > - If you have set the title in both the **Data** and **Configuration** panes, the setting in the data pane takes priority.
  > - The value of **Title Name** in the **Configuration** pane is used only when you delete the value set for the value field in the **Data** pane.

- **Text Style**
  - **Font Family**: To set the font of the title text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Size**: To change the font size of the title text, enter a value, or click **+** or **-**.
  - **Font Color**: To change the font color of the title text, see Color picker.
  - **Font Weight**: To set the font weight of the title text, click the drop-down arrow and select the target font weight.
- **Text Align**: To set the text alignment method, click the drop-down arrow and select the target method.
  - Align left
  - Align right
  - Center alignment



- **Hyperlink**: To go to the page corresponding to the URL, click the title area.
  - **URL**: You can enter a URL for the title as needed.
  - **_blank**
    - If you select this option, you can open a web page on the preview or publish page.
    - If you clear this option, the page corresponding to the URL is directly displayed.

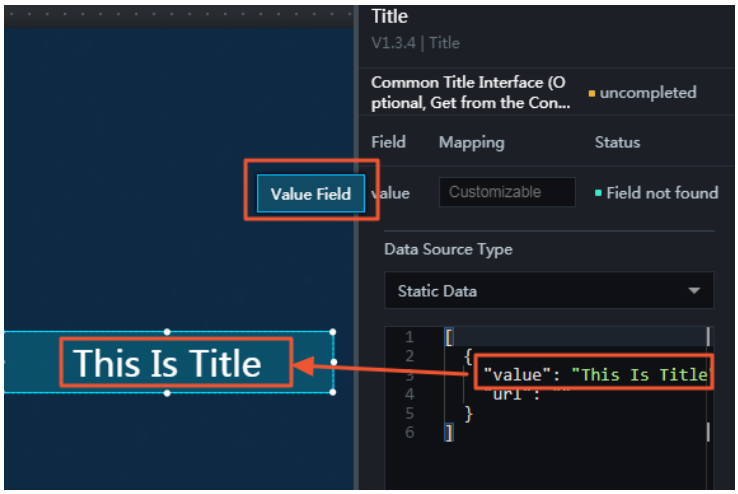


Data

- value: (optional) title name. The title name set here will overwrite the title name set in the configuration pane.

  > Note You can leave this field empty, and the system will obtain the title from the configuration pane.

- **URL**: (optional) title URL. The URL set here will overwrite the URL set in the configuration pane.



Interaction

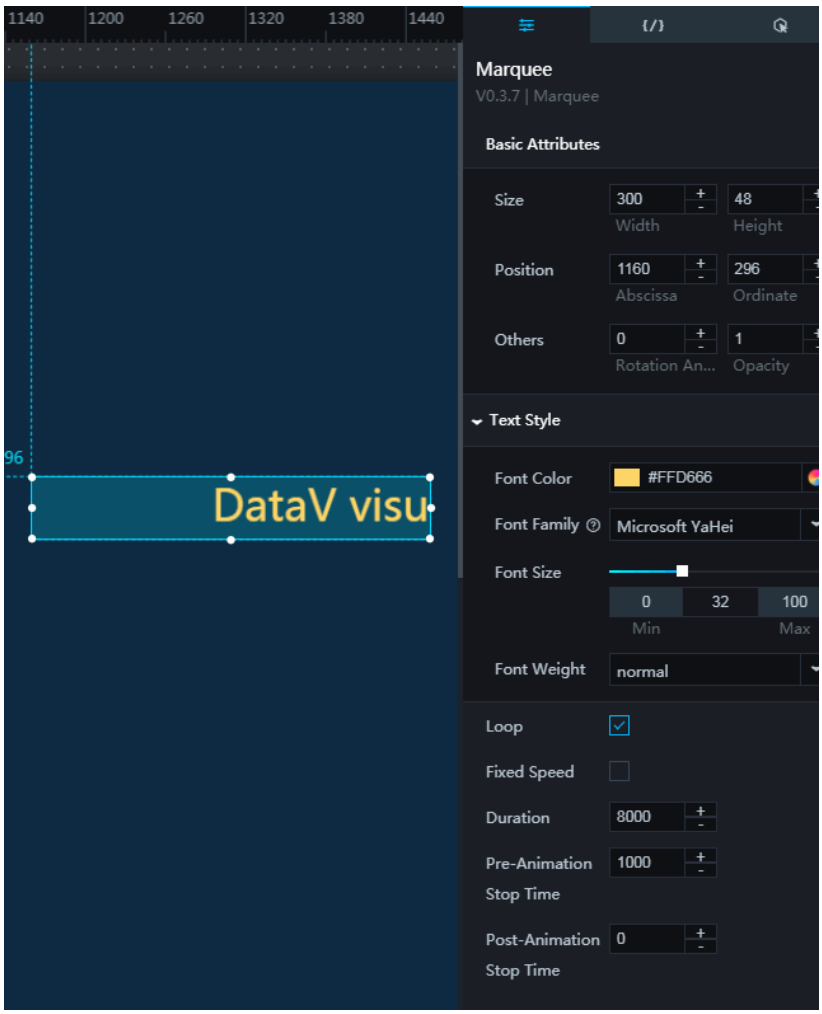
This widget is not connected to any events yet.

11.2. Marquee

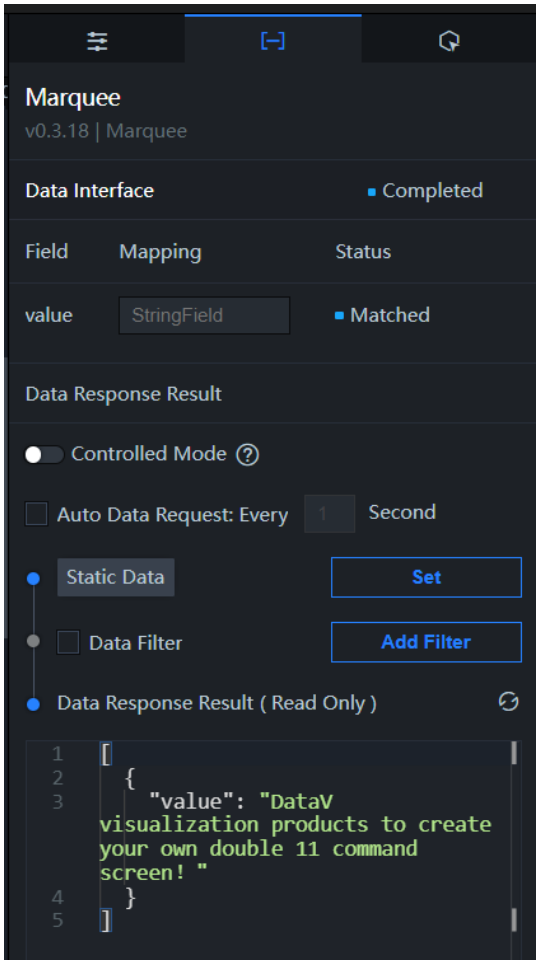
The marquee widget allows you to customize the text to be displayed, the text style, the loop time, the loop speed, and other options as needed.

Style

-
- **Text Style**
  - **Font Color**: To change the font color of the displayed text, see Color picker.
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Size**: To set the font size of the displayed text, enter a value or drag the slider.
  - **Font Weight**: To set the font weight of the displayed text, click the drop-down arrow and select the target font weight.
- **Loop**: If you select this option, the text is continuously displayed in a loop. If you clear this option, the text is displayed only once.
- **Fixed Speed**: If you select this option, you can set the animation interval. If you clear this option, you can set the animation duration.
- **Duration**: To set the time for displaying the text once, enter a value, or click + or -. The unit is milliseconds.
- **Pre-Animation Stop Time**: To set the pause time before the text is displayed, enter a value, or click + or -.
- **Post-Animation Stop Time**: To set the pause time after the text is displayed, enter a value, or click + or -.


1140
1200
1260
1320
1380
1440
96
DataV visu
Marquee
V0.3.7 | Marquee
Basic Attributes
Size
300
Width
48
Height
Position
1160
Abscissa
296
Ordinate
Others
0
Rotation An...
1
Opacity
Text Style
Font Color
#FFD666
Font Family
Microsoft YaHei
Font Size
0
32
100
Min
Max
Font Weight
normal
Loop
Fixed Speed
Duration
8000
Pre-Animation
Stop Time
1000
Post-Animation
Stop Time
0

Data



value: text to be displayed

Interaction

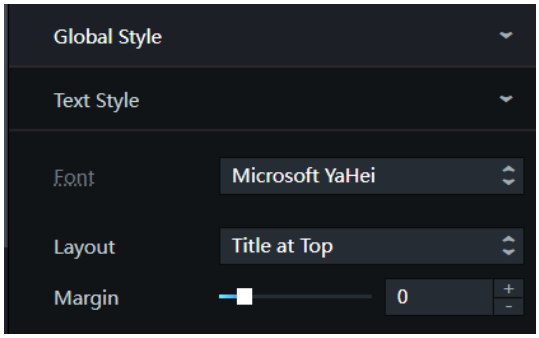
This widget is not connected to any events yet.

11.3. Ticker board

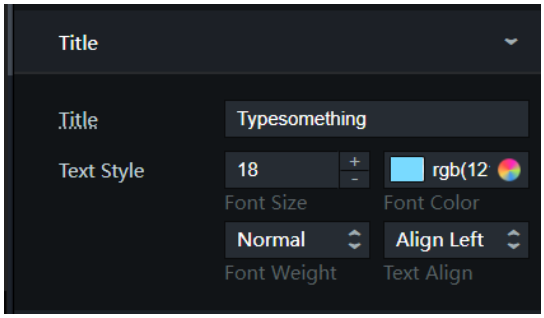
The ticker board widget allows you to customize the ticker board style, the displayed content, and other options as needed.

Style

-
- **Global Settings**
  - **Text Style**
    - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Arrangement**: To set the position of the title, click the drop-down arrow and select the target position.
    - Top
    - Left
    - Bottom
  - **Margin**: To adjust the spacing between the title and the number, enter a value or drag the slider. The value range is from -100 to 500.

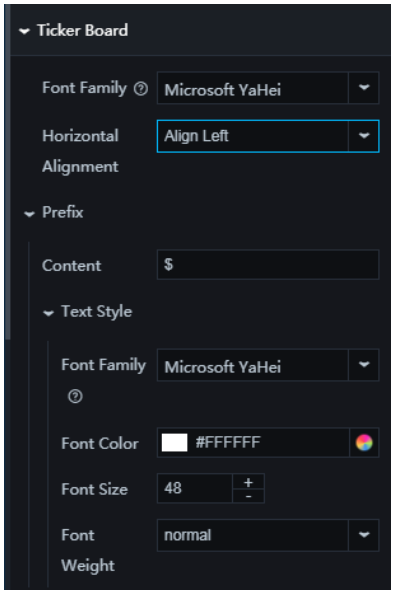


- **Title**
  - **Title Name**: You can set a title for the ticker board as needed. The system can also obtain the title name from the data pane.
  - **Text Style**
    - **Font Size**: To change the font size of the title text, enter a value, or click **+** or **-**.
    - **Font Color**: To change the font color of the title text, see Color picker.
    - **Font Weight**: To set the font weight of the title text, click the drop-down arrow and select the target font weight.



- **Ticker Board**
  - **Font Family**: To set the font of the text on the ticker board, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Horizontal Alignment**: To set the horizontal alignment method of the text on the ticker board, click the drop-down arrow and select the target alignment method.
    - Align left
    - Align right
    - Center alignment

- **Prefix**
  - **Content**: You can customize the prefix of the number on the ticker board as needed. The default prefix is $.
  - **Text Style**
    - **Font Family**: To set the font of the prefix, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
    - **Font Color**: To change the font color of the prefix, see Color picker.
    - **Font Size**: To change the font size of the prefix, enter a value, or click + or -.
    - **Font Weight**: To set the font weight of the prefix, click the drop-down arrow and select the target font weight.



- **Numbers**
  - **Text Style**
    - **Font Color**: To change the font color of the number, see Color picker.
    - **Font Size**: To change the font size of the number, enter a value, or click + or -.
    - **Font Weight**: To set the font weight of the number, click the drop-down arrow and select the target font weight.
  - **Margin Right**: To adjust the spacing between the digits, enter a value or drag the slider. The value range is from 0 to 100.
  - **Background Color**: To change the color of the blocks under the number, see Color picker.
  - **Background Radius**: To change the radius of the blocks under the number, enter a value or drag the slider. The value range is from 0 to 100.
  - **Thousands Separator Background**: If you select this option, the block under the thousands separator is displayed. If you clear this option, the block under the thousands separator is not displayed.
  - **Default Digits**: To change the number of digits to be displayed, enter a value or drag the slider. The value range is from 0 to 100.

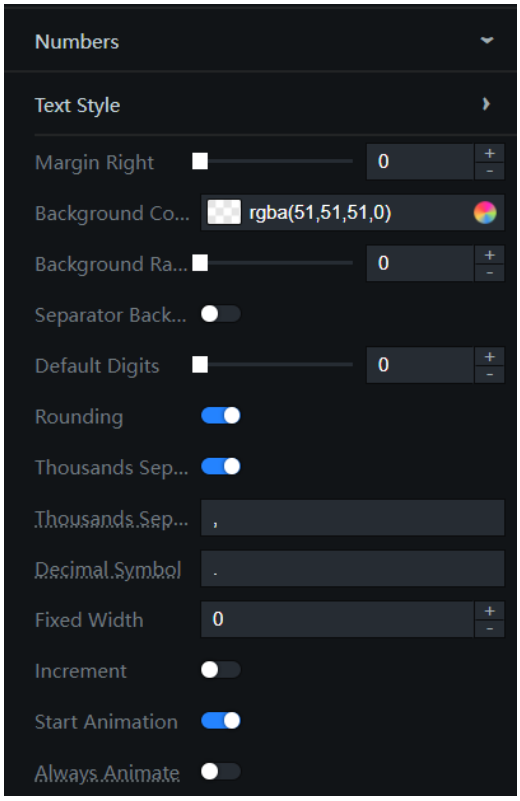
    > **Note** If the set value is smaller than the number of the actual digits, the system will hide the first N digits. If the set value is greater than the number of the actual digits, the system will add N zeros to the data value. (N is the difference of the set value and the number of the actual digits.)

  - **Rounding**: If you select this option, the data value is rounded. If you clear this option, the data value is not rounded.
  - **Thousands Separator**: If you select this option, a thousands separator is displayed. If you clear this option, no thousands separator is displayed.
  - **Thousands Separator Symbol**: You can customize the thousands separator symbol as needed.

    > **Note** Only one character is allowed. If more than one character is input, the first character will be used. Numbers cannot be used as separators.

- **Decimal Symbol**: You can customize the decimal symbol as needed.

  > **Note** Only one character is allowed. If more than one character is input, the first character will be used. Numbers cannot be used as separators.



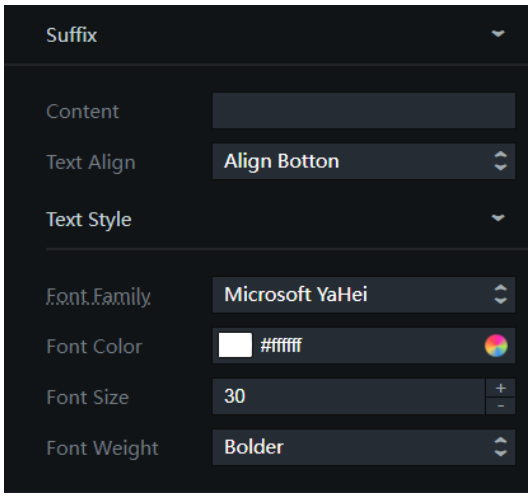
- **Always Animation**: If you select this option, the ticker board scrolls regardless of whether the data changes. If you clear this option, the ticker board does not scroll when the data does not change.

  > **Note** The animation always turns on even the input data does not change.

- **Animation Duration**: To change the animation duration, enter a value, or click + or –. The unit is milliseconds.
- **Data Correction**: If you select this option, only the data rise trend is displayed. If you clear this option, both the data rise and fall trends are displayed.

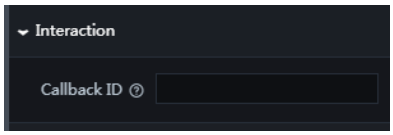
- **Suffix**
  - **Content**: You can customize the suffix of the data value on the ticker board as needed. The default suffix is Dollar.

- **Text Style**
  - **Font Family**: To set the font of the suffix, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Color**: To change the font color of the suffix, see Color picker.
  - **Font Size**: To change the font size of the suffix, enter a value, or click **+** or **-**.
  - **Font Weight**: To set the font weight of the suffix, click the drop-down arrow and select the target font weight.



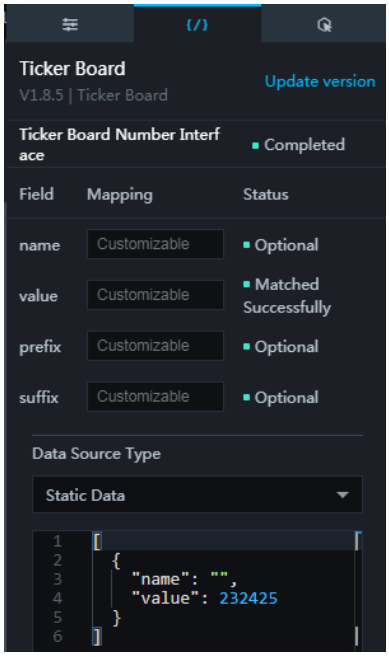
- **Interaction**: You can set the callback ID for the widget as needed. You can use a field specified in the data pane to implement data interaction between different widgets.

> **Notice** The interaction function has been migrated from the **Configuration** pane to the **Interaction** pane. Please upgrade your widget as soon as possible.



Data

- name: (optional) title of the ticker board. The title you set here will overwrite the title you set in the configuration pane.
- value: data value on the ticker board.
- prefix: (optional) prefix of the data value on the ticker board. The prefix you set here will overwrite the prefix you set in the configuration pane.
- suffix: (optional) suffix of the data value on the ticker board. The suffix you set here will overwrite the suffix you set in the configuration pane.



Interaction

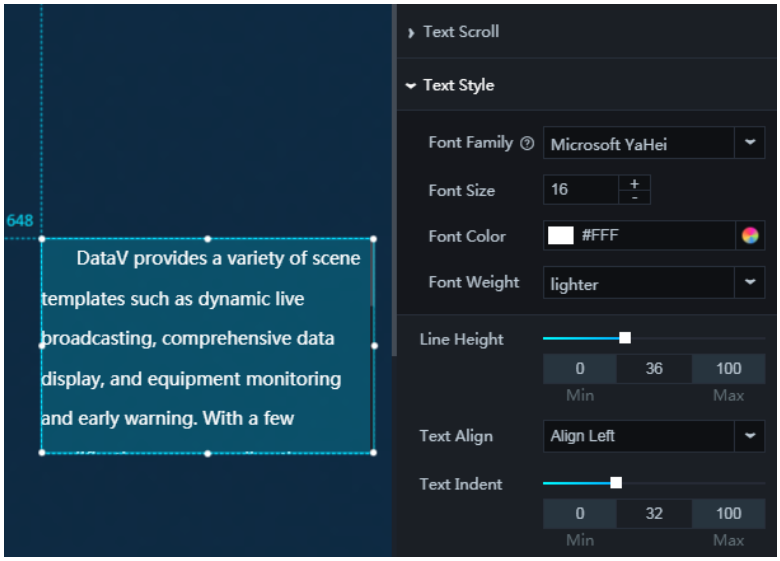
To enable the interaction function, select **Enable**. For more information, see Configure callback IDs for ticker boards.

11.4. Text box

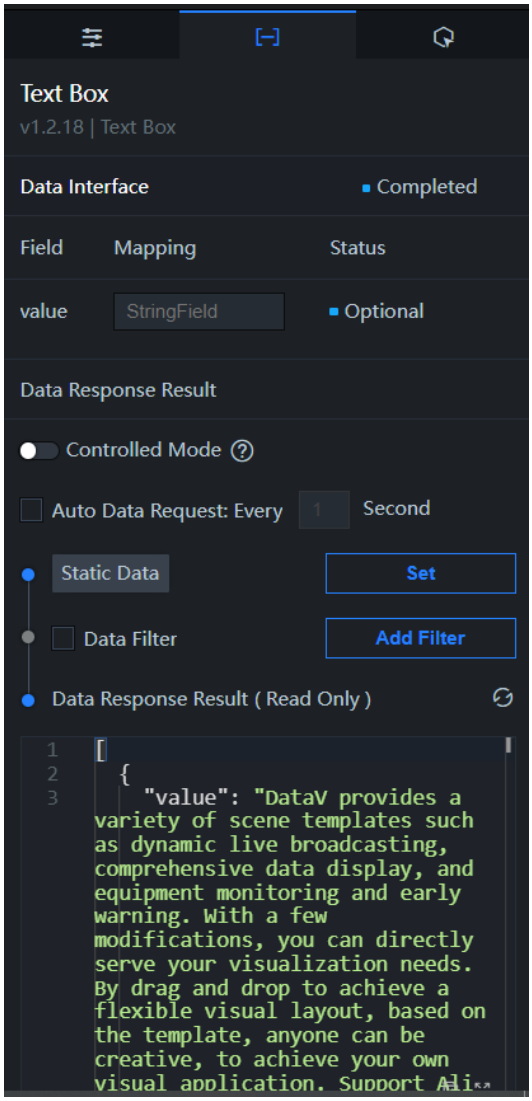
The text box widget allows you to enter and style the body text in a project.

Style

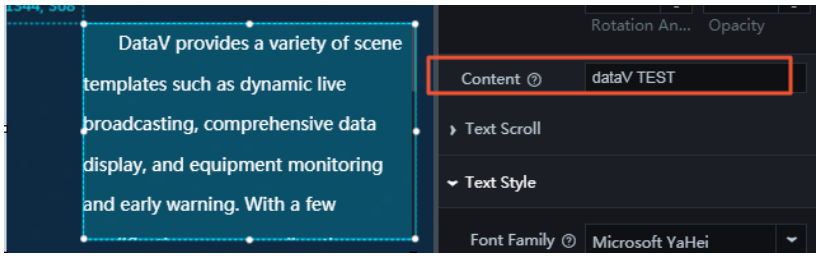
-
- **Content**: You can customize the content to be displayed. The system can also obtain content from the data pane. If you set content in both the configuration and data panes, only the content set in the data pane is displayed.
- **Text Scroll**
  - **Overflow Scroll**: If you select this option, when text is displayed, the text will be automatically scrolled if text exceeds the dimensions of the text box. If you clear this option, you need to move your pointer over the text box to view text that exceeds the dimensions of the text box.
  - **Duration**: To set the scroll duration, enter a value, or click **+** or **-**. The setting takes effect only when you select **Overflow Scroll**.
- **Text Style**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Size**: To change the font size of the displayed text, enter a value, or click **+** or **-**.
  - **Font Color**: To change the font color of the displayed text, see Color picker.
  - **Font Weight**: To set the font weight of the displayed text, click the drop-down arrow and select the target font weight.
- **Line Height**: To adjust the line spacing, enter a value or drag the slider.
- **Text Align**: To set the text alignment method, click the drop-down arrow and select the target method. The align method includes **Align Left**, **Align Right**, and **Center Alignment**. The default method is **Align Left**.
- **Text Indent**: To adjust the indentation, enter a value or drag the slider.


Text Scroll
Text Style
Font Family
Microsoft YaHei
Font Size
16
Font Color
#FFF
Font Weight
lighter
Line Height
0
36
100
Min
Max
Text Align
Align Left
Text Indent
0
32
100
Min
Max
648
DataV provides a variety of scene templates such as dynamic live broadcasting, comprehensive data display, and equipment monitoring and early warning. With a few

Data



value: content displayed in the widget. Specific HTML tags, for example, ***a*** and **br**, are supported. The content you set here corresponds to the **Content** in the configuration pane. If you set the content in both the configuration and data panes, only the content set for the value field in the data pane is displayed.



Interaction

This widget is not connected to any events yet.

11.5. Status card

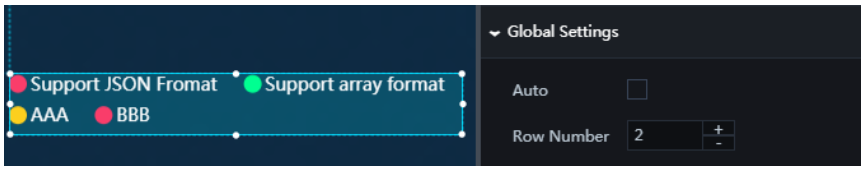
The status card widget allows you to customize the card style, the content of different statuses, and other options as needed.

Style

-
- **Global Settings**

- **Auto**: If you select this option, the statuses are displayed in the same row. If you clear this option, the statuses are displayed randomly.
- **Row Number**: To set the number of statuses displayed in a row, enter a value, or click + or -.

> **Note** The **Row Number** parameter is displayed only when **Auto** is not selected.



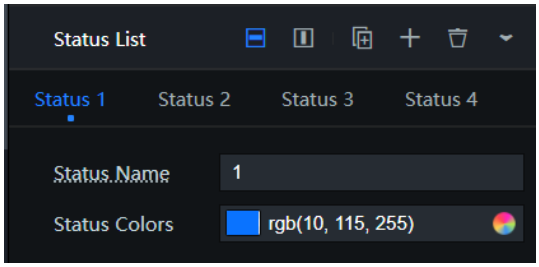
- **Margin**
  - **Horizontal**: To adjust the horizontal spacing between the statuses, enter a value or drag the slider. The value range is from 0 to 100.
  - **Vertical**: To adjust the vertical spacing between the statuses, enter a value or drag the slider. The value range is from 0 to 100. The setting takes effect only when **Auto** is not selected.

- **Text Style**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Size**: To change the font size of the displayed text, enter a value, or click + or -.
  - **Font Color**: To change the font color of the displayed text, see Color picker.
  - **Font Weight**: To set the font weight of the displayed text, click the drop-down arrow and select the target font weight.

- **Status List**: To add or delete a status, click + or click the **Trash** icon.
  - **Status Name**: You can set a name for a status as needed.

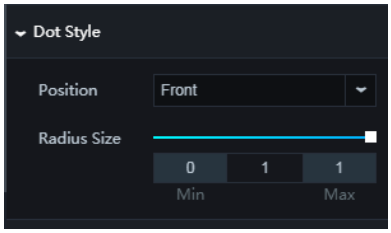
> **Notice** The status name must match the value field in the **Data** pane.

  - **Status Colors**: To change the color of the status icon, see Color picker.



- **Dot Style**

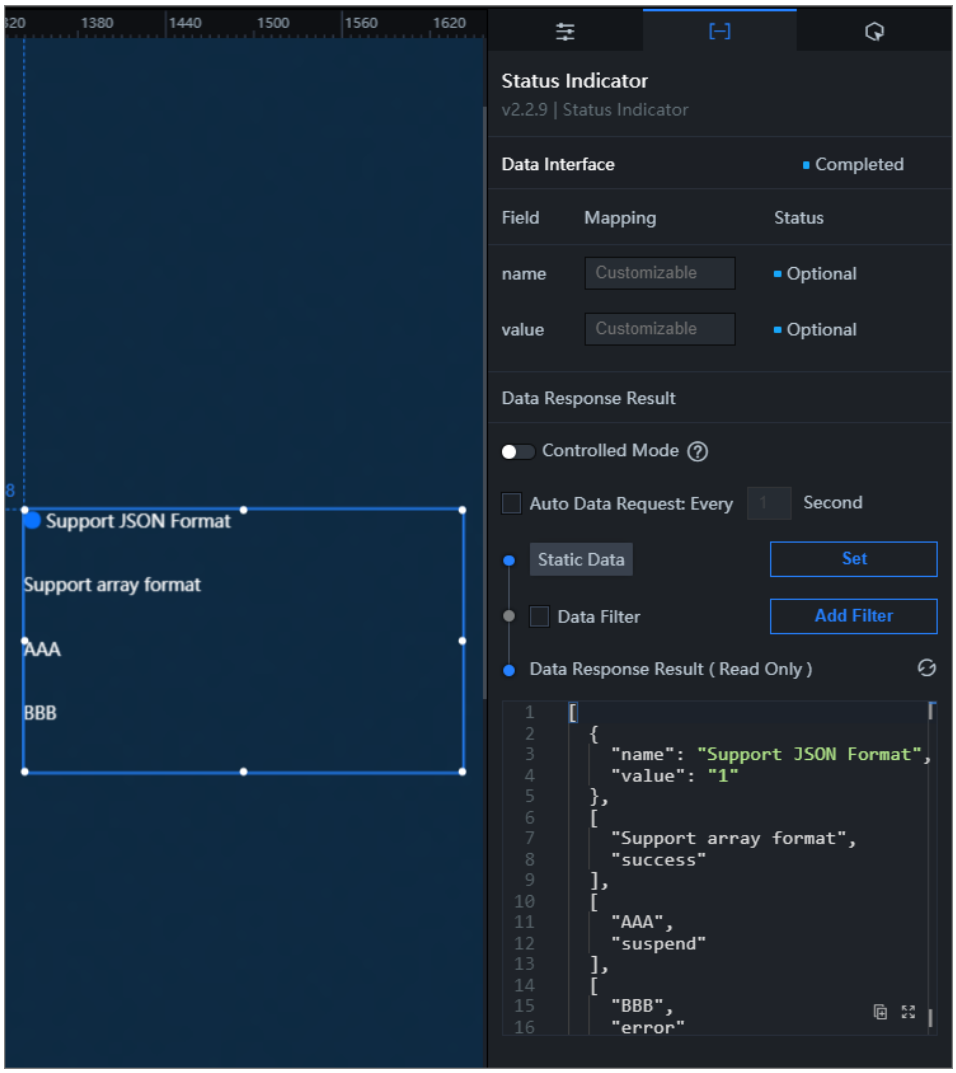
- **Position**: To set the position of the status block, click the drop-down arrow and select the target position.
  - Front
  - Behind
- **Radius Size**: To change the radius of the status block, enter a value or drag the slider. By default, the block is a square shape. The value range is from 0 to 1.



Data

name: title of a status

value: status type. The status type you set in the **Data** pane must match the **Status Name** in the **Configuration** pane.



Interaction

This widget is not connected to any events yet.

11.6. Label board

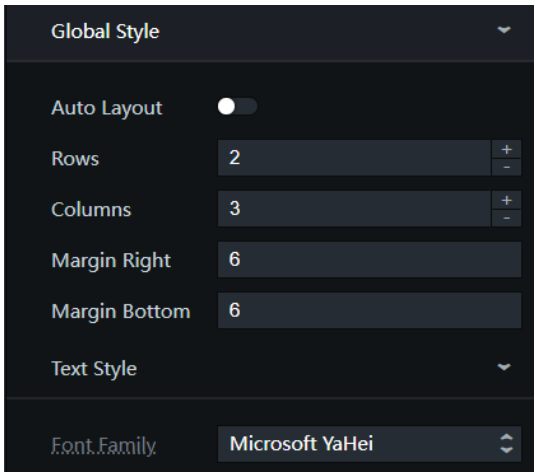
The label board widget allows you to customize the label style, the content of different label types, and other options as needed.

Style

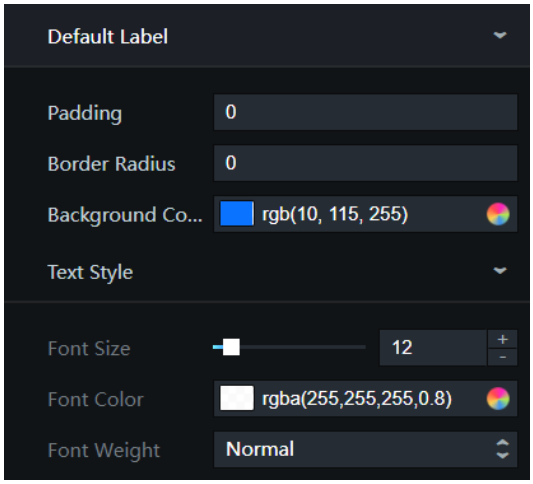
-
- **Global**
  - **Auto Mode**: If you select this option, the width of the table is automatically adjusted according to the label content. If you clear this option, the label content is displayed randomly. You need to set the number of rows and the margins.

    > **Note** Options such as **Number of Rows**, **Number of Columns**, **Margin Right**, and **Margin Bottom** are displayed only when you clear the **Auto Mode** option.

  - **Number of Rows**: To adjust the number of rows in the label board, enter a value, or click **+** or **-**.
  - **Number of Columns**: To adjust the number of columns in the label board, enter a value, or click **+** or **-**.
  - **Margin Right**: You can adjust the horizontal margin between the labels as needed. The unit is pixels.
  - **Margin Bottom**: You can customize the vertical margin between the labels as needed. The unit is pixels.
  - **Text Style**
    - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.



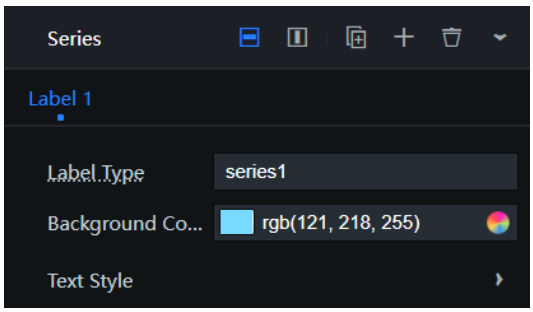
- **Default Label**
  - **Padding**: You can customize the padding between the label content and the label borders as needed. The unit is pixels.
  - **Border Radius**: You can customize the border radius of each label as needed. The unit is pixels.
  - **Background Color**: To change the background color of the default labels (that is, labels that do not have the type value in the data pane), see Color picker.
  - **Text Style**
    - **Font Size**: To change the font size of the text of the default labels, enter a value or drag the slider. The value range is from 0 to 100.
    - **Font Color**: To change the font color of the text of the default labels, see Color picker.
    - **Font Weight**: To change the font weight of the text of the default labels, click the drop-down arrow and select the target font weight.



- **Series**: To add or delete a series label, click **+** or click the **Trash** icon.
  - **Label Type Name**: You can set a name for a series label as needed.

    > **Notice** The label type name must match the data format of the type field in the **Data** pane.

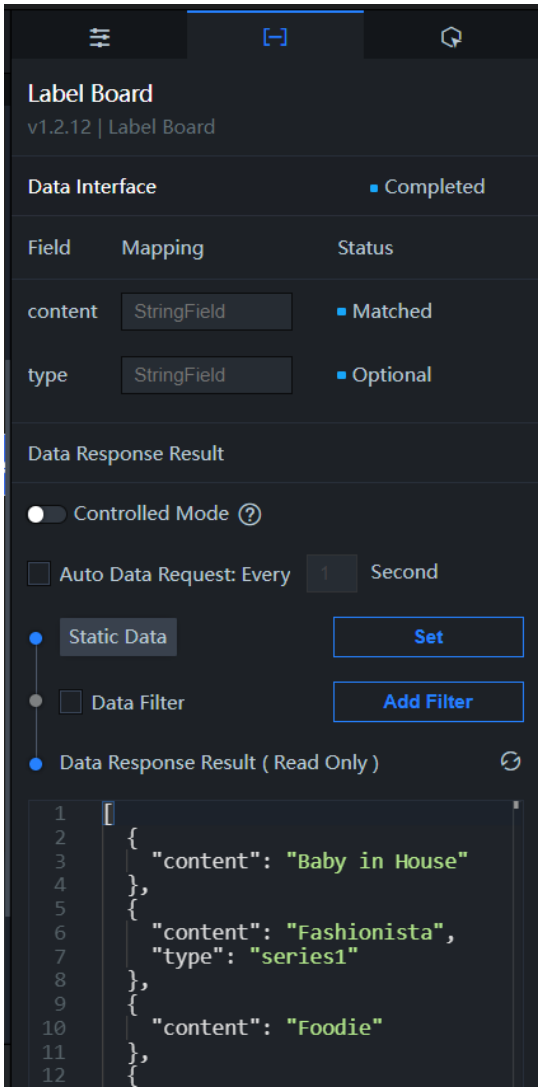
  - **Background Color**: To change the background color of the labels of the same type, see Color picker.
  - **Text Style**
    - **Font Size**: To change the font size of the label text, enter a value or drag the slider. The value range is from 0 to 100.
    - **Font Color**: To change the font color of the label text, see Color picker.
    - **Font Weight**: To change the font weight of the label text, click the drop-down arrow and select the target font weight.



Data

content: label content

value: label type (series) name. The value in the **Data** pane must be match the **Label Type Name** in the **Configuration** pane.



Interaction

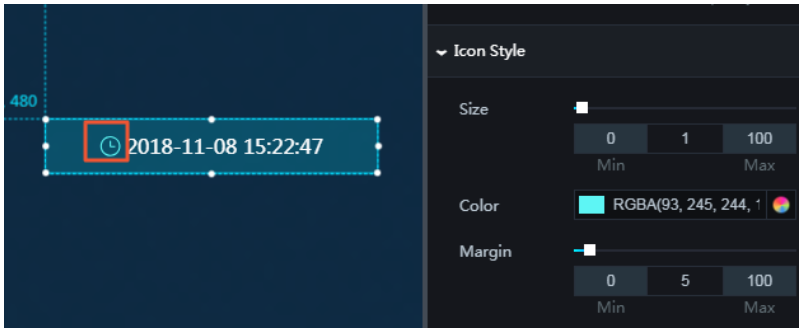
This widget is not connected to any events yet.

11.7. Timer

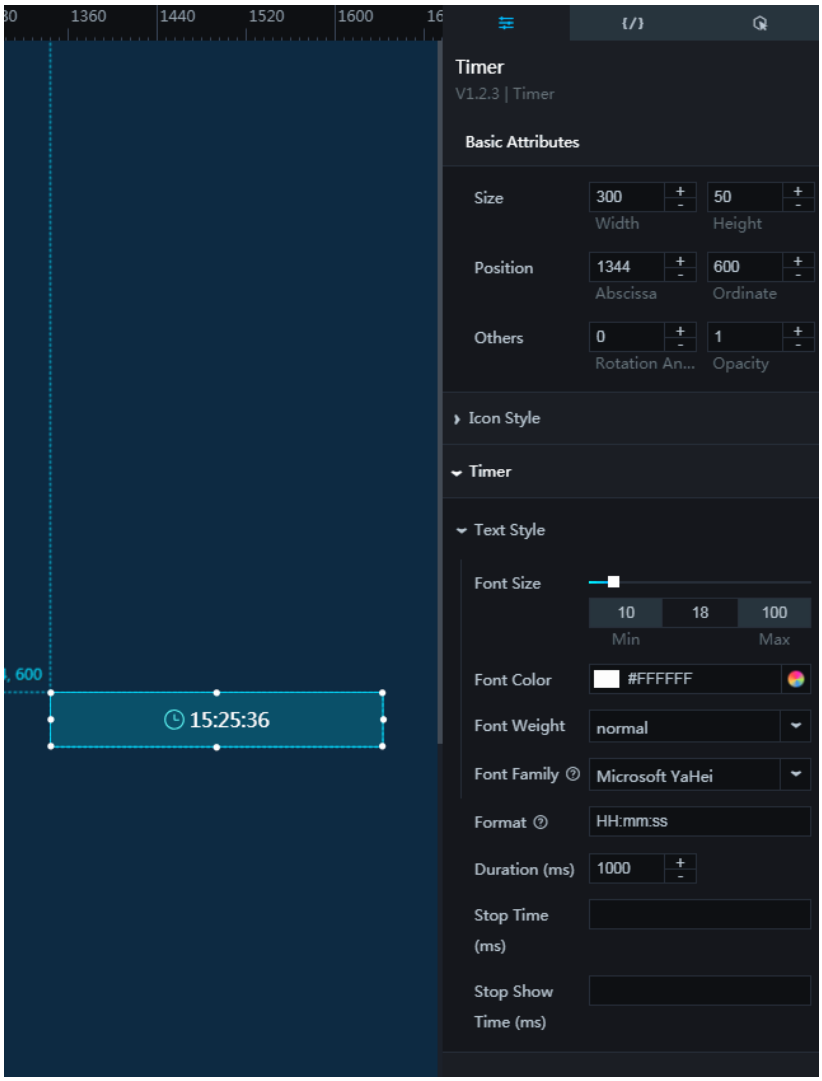
You can add one or more timers to a project to record the time.

Style

-
- **Icon Style**
  - **Size**: To set the size of the icon, enter a value or drag the slider. If no icon is needed, set the value to 0.
  - **Color**: To change the color of the icon, see Color picker.
  - **Margin**: To adjust the spacing between the icon and the timer, enter a value or drag the slider.



- Timer
  - **Text Style**: You can customize the text style of the timer as needed, including the font, the font size, the font color, and the font weight.
  - **Format**: You can customize the time format as needed. The default format is **yyyy-MM-dd HH:mm:ss** (that is, 24-hour time format). **hh:mm:ss** indicates the 12-hour time format.
  - **Duration**: You can set the interval at which the widget updates the time. The unit is milliseconds. For example, if you set this parameter to 10000, the time changes at an interval of 10 seconds.



  - **Stop Time**: You can set the time when the recording stops. The time format must be the same as that you set for **Format**.
  - **Stop Show Time**: You can set the time to be displayed when the recording stops. The time format must be the same as that you set for **Format**.

Data

You do not need to configure data for this widget.

Interaction

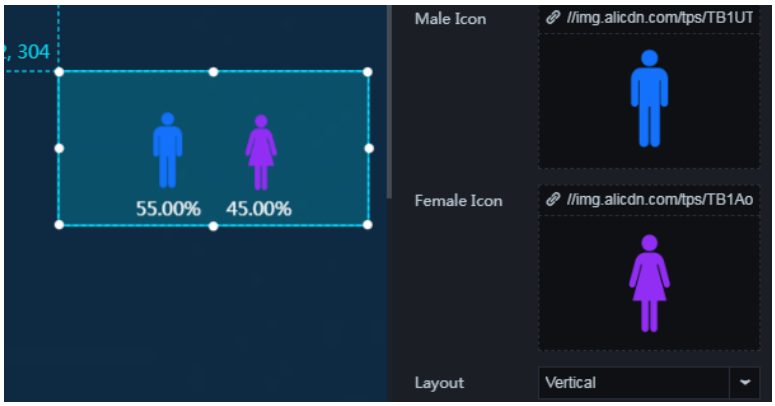
This widget is not connected to any events yet.

11.8. Icon chart - 11.11 Global Shopping Festival

You can add one or more icon charts (11.11 Global Shopping Festival) to display the data percentages clearly.

Style

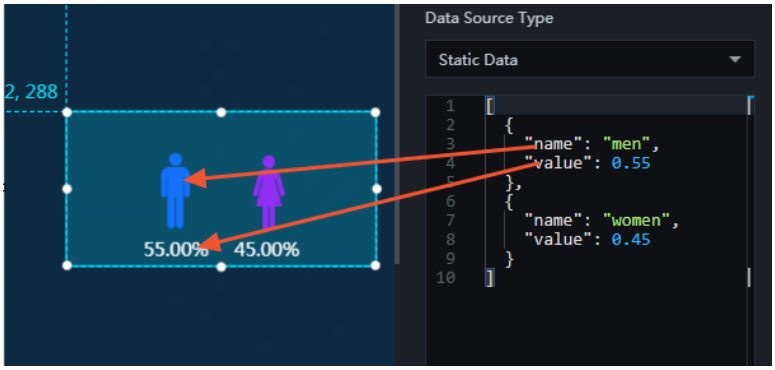
-
- **Icon**
  - **Male Icon**: To change the male icon, paste the target icon URL or upload an icon from your local server.
  - **Female Icon**: To change the female icon, paste the target icon URL or upload an icon from your local server.
  - **Male Label**: You can customize the label text of the male icon as needed.
  - **Female Label**: You can customize the label text of the female icon as needed.
  - **Layout**: To set the layout of the male and female labels, click the drop-down arrow and select the target layout.
    - **Vertical**: If you select this option, the male and female labels are hidden.
    - **Horizontal**: If you select this option, the label text is displayed horizontally.



- **Style**
  - **Icon Width**: To change the width of the male and female icons, enter a value or drag the slider. The value range is from 0 to 1000.
  - **Icon Height**: To change the height of the male and female icons, enter a value or drag the slider. The value range is from 0 to 1000.
  - **Font Size**: To change the font size of the icon text, enter a value or drag the slider. The value range is from 0 to 100.
  - **Font Family**: To set the font of the icon text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Color**: To change the font color of the icon text, see Color picker.
  - **Icon Offset**: To adjust the spacing between the icons, enter a value or drag the slider. The value range is from 0 to 1000.
- **Space Between Icon and Text**: To adjust the spacing between the icons and the icon text, enter a value or drag the slider. The value range is from 0 to 1000.
- **Text Spacing**: To adjust the spacing between the icon text, enter a value or drag the slider. The value range is from 0 to 1000.
- **Decimal Places**: To change the number of digits to the right of the decimal point, enter a value, or click **+** or **-**.

Data

- name: label text of an icon
- value: decimal number, which corresponds to a percentage value in the chart



Interaction

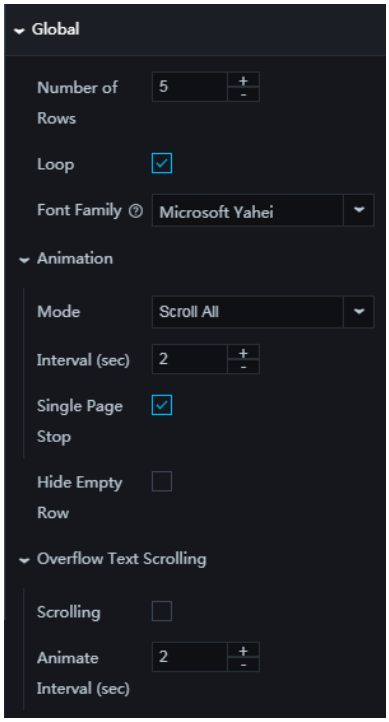
This widget is not connected to any events yet.

12.Form
12.1. Carousel list II

The carousel list II widget allows you to customize the carousel list style, the animation and display of content in the carousel list, and other options as needed.

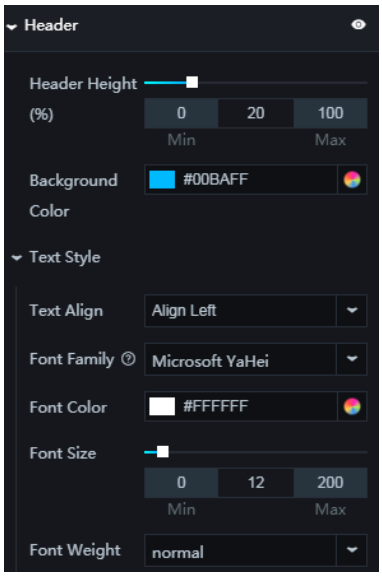
Style

-
- **Global**
  - **Number of Rows**: To change the number of rows in the carousel list, enter a value, or click + or -.
  - **Loop**: If you select this option, content in the carousel list will be automatically displayed in a looped sequence on the preview or publish page. If you clear this option, you cannot set the animation style.
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Animation**
  - **Mode**: To set the animation mode, click the drop-down arrow and select the target mode.
    - Scroll all
    - Scroll one by one
  - **Interval**: To change the time interval between the display of two pages, enter a value, or click + or -. The unit is seconds.
  - **Single Page Stop**: If you select this option, content in the list is displayed only once when there is only one page.
- **Hide Empty Row**: If you select this option, the row or rows with no data are hidden.
- **Overflow Text Scrolling**
  - **Scrolling**: If you select this option, the overflow text will be automatically scrolled on the preview or publish page.
  - **Animate Interval**: To change the scroll duration, enter a value, or click + or -. The unit is seconds.

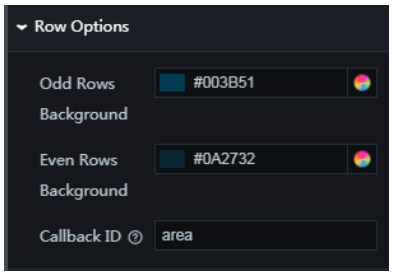


- **Header**: To display the table header, click the **Eye** icon.
  - **Header Height**: To change the proportion of the header in the list, enter a value or drag the slider. The value range is from 0 to 100, and the unit is %.
  - **Background Color**: To change the background color of the table header, see Color picker.

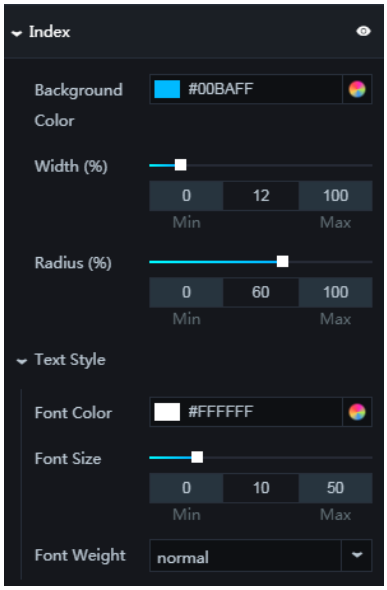
- **Text Style**
  - **Text Align**: To set the text alignment method, click the drop-down arrow and select the target method.
    - Align left
    - Center alignment
    - Align right
  - **Font Family**: To set the font of the table header text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Font Color**: To change the font color of the table header text, see Color picker.
  - **Font Size**: To change the font size of the table header text, enter a value or drag the slider. The value range is from 0 to 200.
  - **Font Weight**: To change the font weight of the table header text, click the drop-down arrow and select the target font weight.



- **Row Options**
  - **Odd Rows Background**: To change the background color of the odd rows, see Color picker.
  - **Even Rows Background**: To change the background color of the even rows, see Color picker.
  - **Callback ID**: You can set the values of a row as the callback IDs as needed.



- **Index**: To display the index numbers, click the **Eye** icon.
  - **Background Color**: To change the background color of the index numbers, see Color picker.
  - **Width**: To change the width of the index numbers, enter a value or drag the slider. The value range is from 0 to 100, and the unit is %.
  - **Radius**: To change the radius of the space occupied by the index numbers, enter a value or drag the slider. The value range is from 0 to 100, and the unit is %.
  - **Text Style**
    - **Font Color**: To change the font color of the index numbers, see Color picker.
    - **Font Size**: To change the font size of the index numbers, enter a value or drag the slider. The value range is from 0 to 50.
    - **Font Weight**: To change the font weight of the index numbers, click the drop-down arrow and select the target font weight.



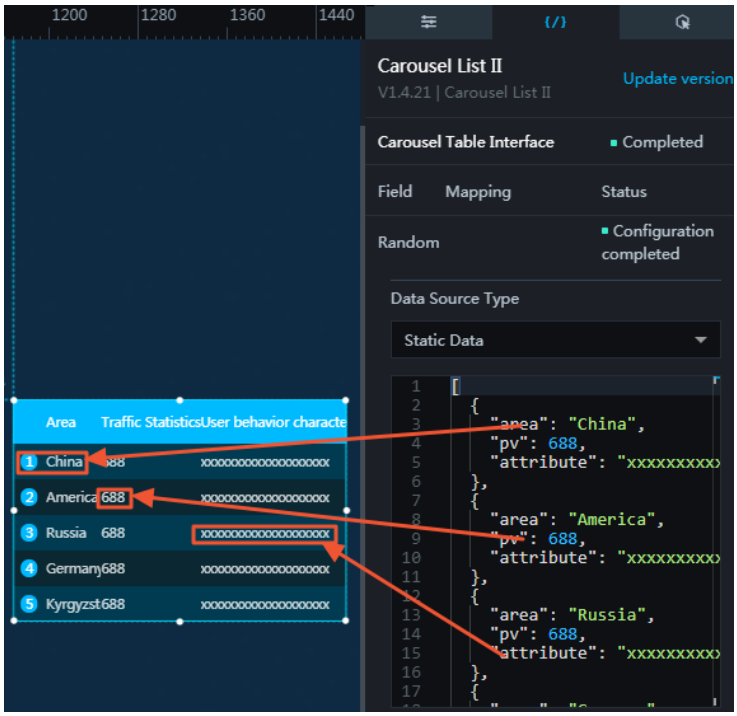
- **Columns**: To add a label, click **+**. To delete a label, click the **Trash** icon.

  > **Note** A column is an array. You can set two or more columns as needed, and the Editor traverses and renders the data through the column settings. To set data in a specific format, sort the data manually.

  - **Name in Data**: You can set a name for the column as needed. The column name of each label corresponds to a field in the data pane.
  - **Displayed Name**: You can customize the displayed name of a column as needed. The displayed name of a label is displayed as the table header of a column in the carousel list.
  - **Width**: To change the spacing between the labels, enter a value or drag the slider. The value range is from 0 to 100, and the unit is %.
  - **Data Type**: To set the display format of the data, click the drop-down arrow and select the target format.
    - Text
    - Image
  - **Wrap Automatically**: If you select this option, the label content is wrapped automatically.
  - **Text Style**
    - **Text Align**: To set the text alignment method, click the drop-down arrow and select the target method.
      - Align left
      - Center alignment
      - Align right
    - **Font Size**: To change the font size of the label text, enter a value or drag the slider. The value range is from 0 to 200.
    - **Font Color**: To change the font color of the label text, see Color picker.
    - **Font Weight**: To change the font weight of the label text, click the drop-down arrow and select the target font weight.

Data

- You can set the fields in the data pane as needed. Values of these fields must correspond to the column name of each label set in **Columns**. You can add a pair of HTML **a** tags to the value of these fields.



Interaction

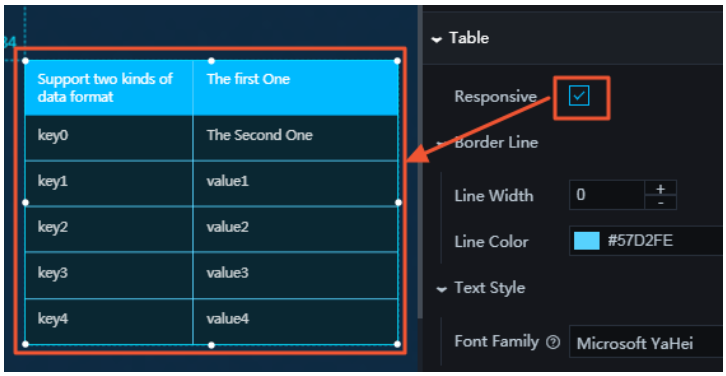
To enable the interaction function, select **Enable**. For more information, see Configure callback IDs for ticker boards.

12.2. Table

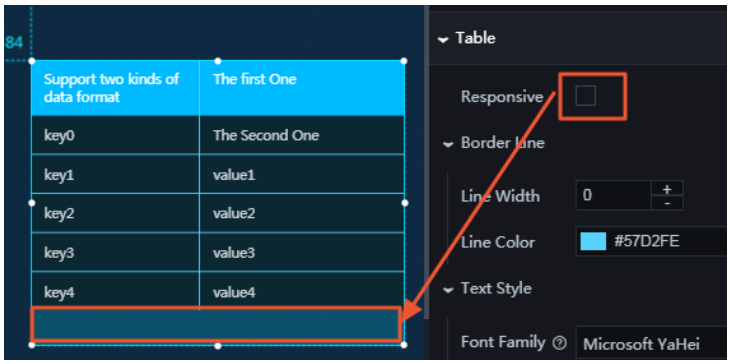
The table widget allows you to customize the table style and data arrangement as needed.

Style

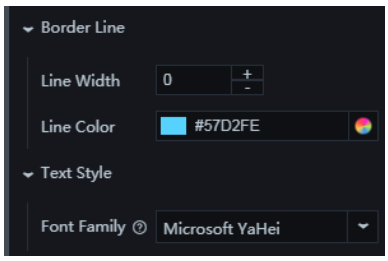
-
- **Table**
  - **Responsive**
    - If you select this option, the display format of the data in the table is automatically adjusted based on the table style and size when the table cells do not expand beyond the table border.



    - If you clear this option, the display format of the data in the table is no longer automatically adjusted based on the table style and size.

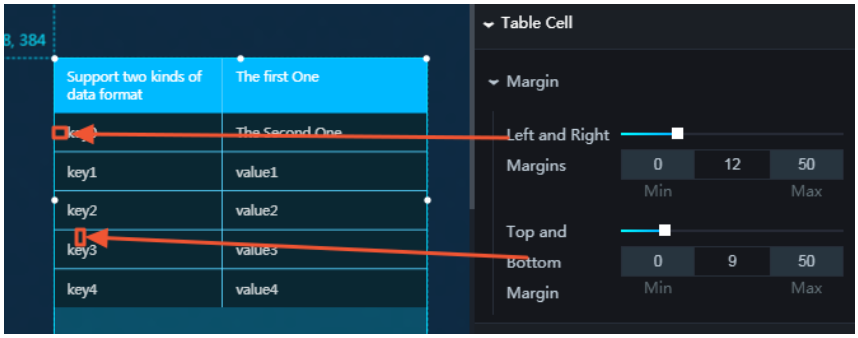


  - **Border Line**
    - **Line Width**: To change the width of the border lines, enter a value, or click + or -.
    - **Line Color**: To change the color of the border lines, see Color picker.
  - **Text Style**
    - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.

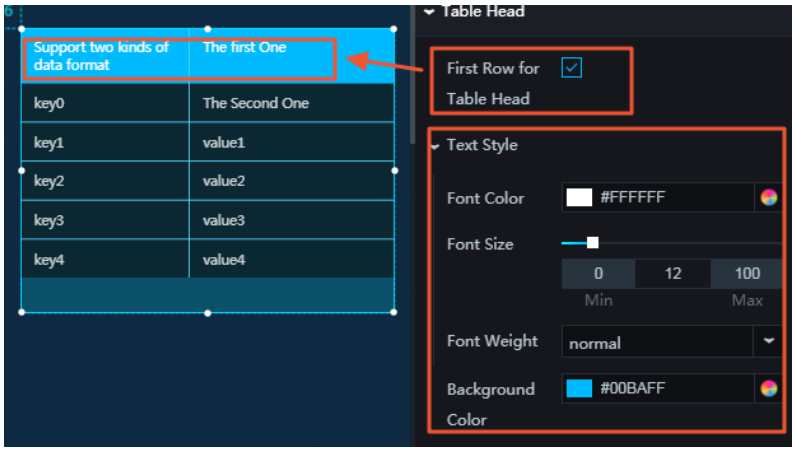


- **Cell**

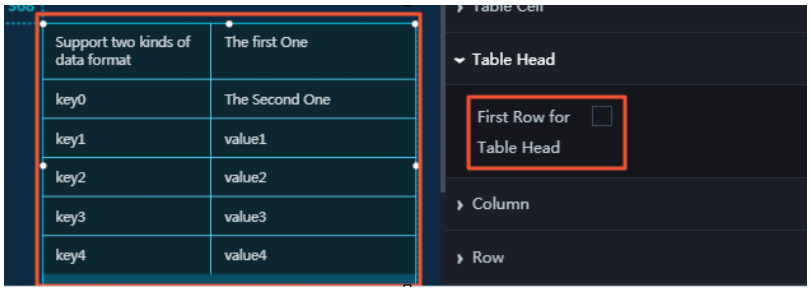
- **Margin**
  - **Left and Right Margins**: To change the left cell border margin and right cell border margin, enter a value or drag the slider. The value range is from 0 to 50.
  - **Top and Bottom Margin**: To change the height of a cell, enter a value or drag the slider. If you select **Responsive** and the table cells do not expand beyond the table border, then your setting will be applied to the table header, and the height of the other cells will be automatically adjusted based on the table style and size. The value range for the table height is from 0 to 50.



- **Table Header**
  - **First Row As Table Header**
    - After you select this option, the first row of the table is styled as the table header. You can only set the table header text after you select this option. If you do not need to set the table header text, you can clear this option and remove the label and value fields from the data pane.
      - **Text Style**
        - **Font Color**: To change the font color of the table header text, see Color picker.
        - **Font Size**: To change the font size of the table header text, enter a value or drag the slider. The value range is from 0 to 100.
        - **Font Weight**: To set the font weight of the table header text, click the drop-down arrow and select the target font weight.
        - **Background Color**: To change the background color of the table header, see Color picker.



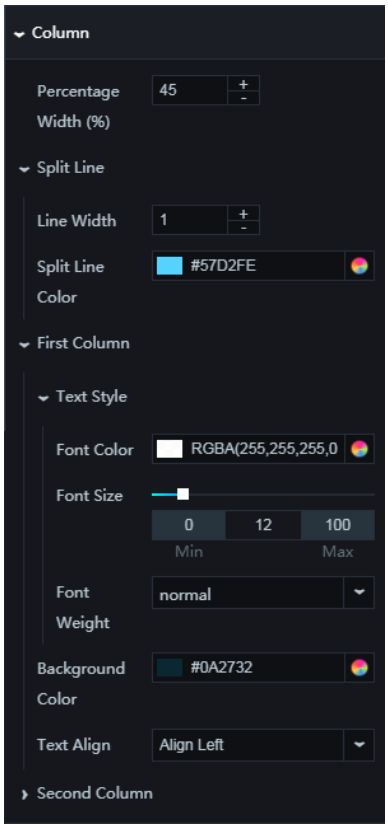
    - If you clear the **First Row As Table Header** option, the first row of the table is not styled as the table header.



- **Column**

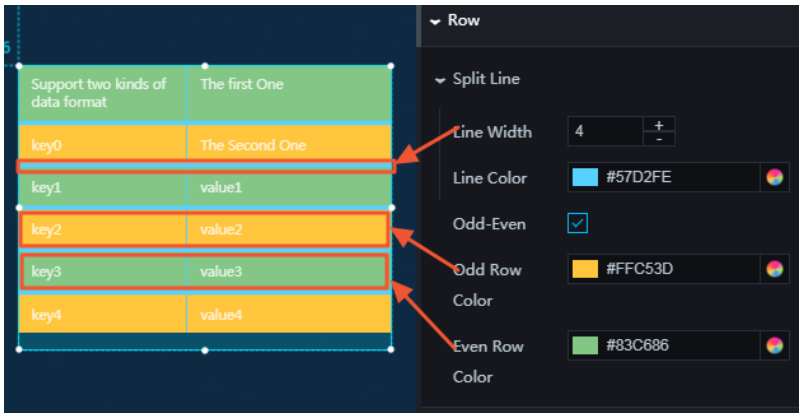
- **Width Percentage**: To change the width of the first row, enter a value, or click + or -.
- **Split Line**
  - **Line Width**: To change the width of the line between two columns, enter a value, or click + or -.
  - **Split Line Color**: To change the color of the line between two columns, see Color picker.
- **First Column**
  - **Text Style**
    - **Font Color**: To change the font color of the text in the first column, see Color picker.
    - **Font Size**: To change the font size of the text in the first column, enter a value or drag the slider. The value range is from 0 to 100.
    - **Font Weight**: To set the font weight of the text in the first column, click the drop-down arrow and select the target font weight.
  - **Background Color**: To change the background color of the first column, see Color picker.
  - **Text Align**: To set the text alignment method, click the drop-down arrow and select the target method.
    - Align left
    - Align right
    - Center alignment

- **Second Column**: For more information about how to set the second column, see First Column.

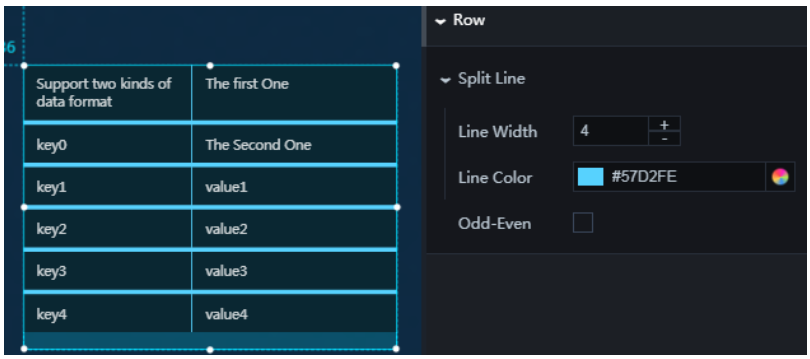


- **Row**
  - **Split Line**
    - **Line Width**: To change the width of the lines between the rows, enter a value, or click + or -.
    - **Line Color**: To change the color of the lines between the rows, see Color picker.

- **Odd-Even**
  - If you select this option, the rows are displayed in alternating colors. You can configure the colors used to alternate between odd and even rows.
    - **Odd Row Color**: To change the background color displayed in odd rows, see Color picker.
    - **Even Row Color**: To change the background color displayed in even rows, see Color picker.



  - If you clear this option, rows are no longer displayed in alternating colors. The color displayed in the rows is the column background color.



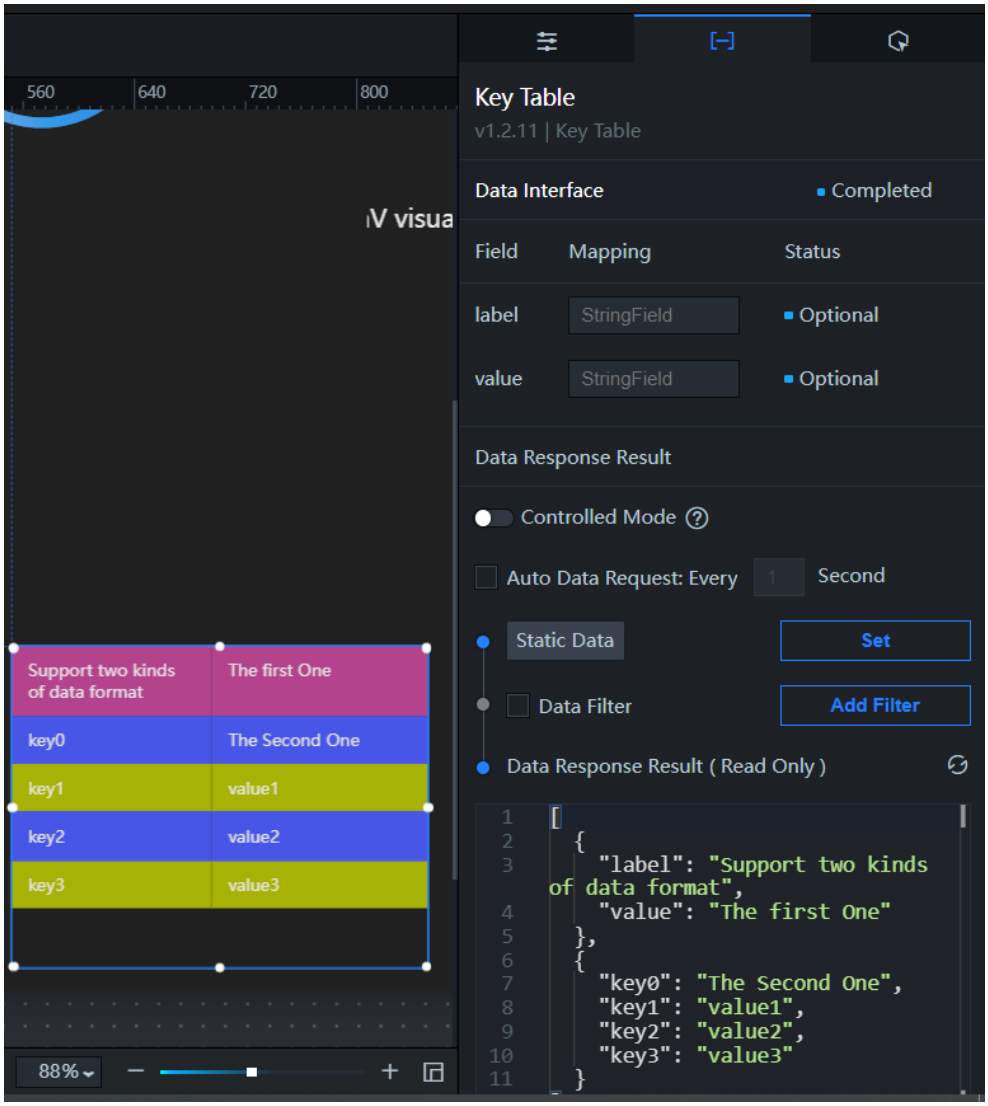
Data

- label: (optional) text in the first column of the table header
- value: (optional) text in the second column of the table header

> **Note** The values of label and value are displayed as the table header only when you select **First Row for Table Head**.

The data format in the table is as follows: {"key in the first column":"value in the second column",...}.

You can customize other fields as needed and display the actual data in sequence in corresponding rows.



Interaction

This widget is not connected to any events yet.

12.3. Carousel list I

The carousel list I widget allows you to customize the carousel list style, the animation and display of content in the carousel list, and other options as needed.

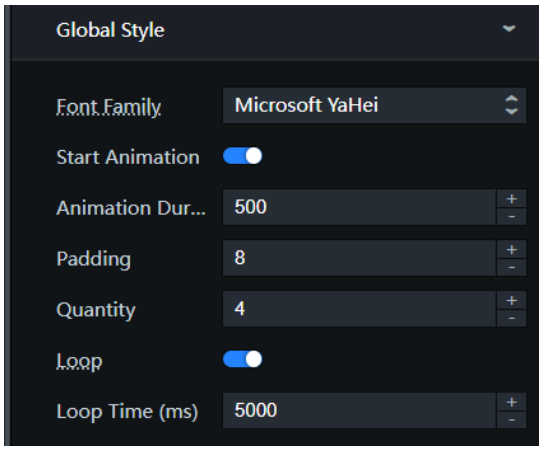
Style

-
- **Global Settings**
  - **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
  - **Duration**: To change the animation duration, enter a value, or click + or -. The unit is milliseconds.
  - **Padding**: To adjust the spacing between the rows, enter a value, or click + or -.
  - **Quantity**: To change the number of rows to be displayed on each page, enter a value, or click + or -.

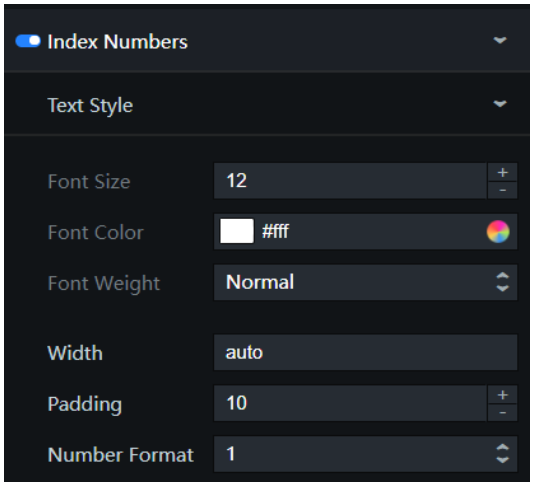
- **Loop**
  - If you select this option, text in the carousel list is automatically displayed in rotation.
  - If you clear this option, text in the carousel list is displayed only once.

> **Note** The loop function will take effect a few seconds after you select it.

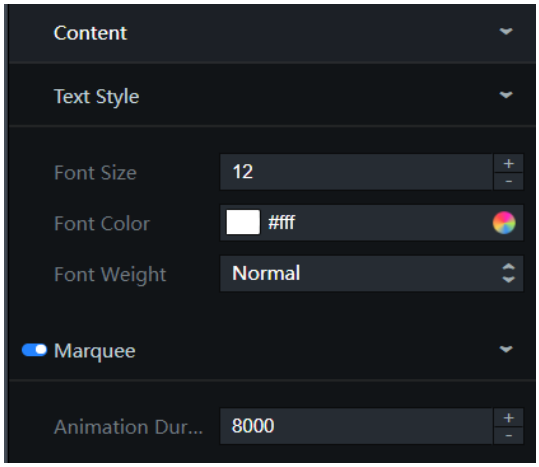
- **Loop Time**: To change the time interval between the display of two pages, enter a value, or click + or -. The unit is milliseconds.



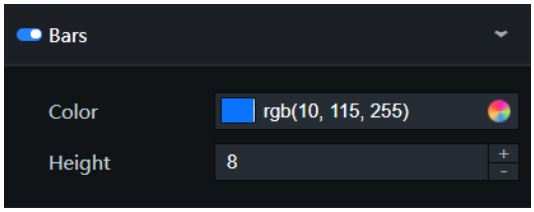
- **Index**: To display the index numbers, click the **Eye** icon.
  - **Text Style**
    - **Font Size**: To change the font size of the index numbers, enter a value, or click + or -.
    - **Font Color**: To change the font color of the index numbers, see Color picker.
    - **Font Weight**: To set the font weight of the index numbers, click the drop-down arrow and select the target font weight.
  - **Width**: You can customize the width of the space occupied by the index numbers as needed. The unit is pixels.
  - **Padding**: To adjust the spacing between the index numbers and the displayed text, enter a value, or click + or -.



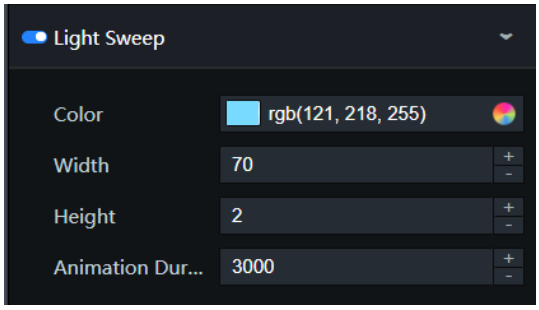
- **Content**
  - **Text Style**
    - **Font Size**: To change the font size of the displayed text, enter a value, or click + or -.
    - **Font Color**: To change the font color of the displayed text, see Color picker.
    - **Font Weight**: To set the font weight of the displayed text, click the drop-down arrow and select the target font weight.
  - **Marquee**: To display the marquee style, click the **Eye** icon.
    - **Duration**: To change the time for displaying the text that exceeds the length of the row, enter a value, or click + or -. The unit is milliseconds.



- **Bar**: To display the row style, click the **Eye** icon.
  - **Color**: To change the color of the rows, see Color picker.
  - **Height**: To change the height of the rows, enter a value, or click + or -.



- **Light**: To display the light style, click the **Eye** icon.
  - **Color**: To change the color of the light sweep, see Color picker.
  - **Width**: To change the length of the light sweep, enter a value, or click + or -.
  - **Height**: To change the height of the light sweep, enter a value, or click + or -. The part of the light sweep that exceeds the dimensions of the row is not displayed.
  - **Duration**: To change the time interval between the display of two light sweeps, enter a value, or click + or -. The unit is milliseconds.

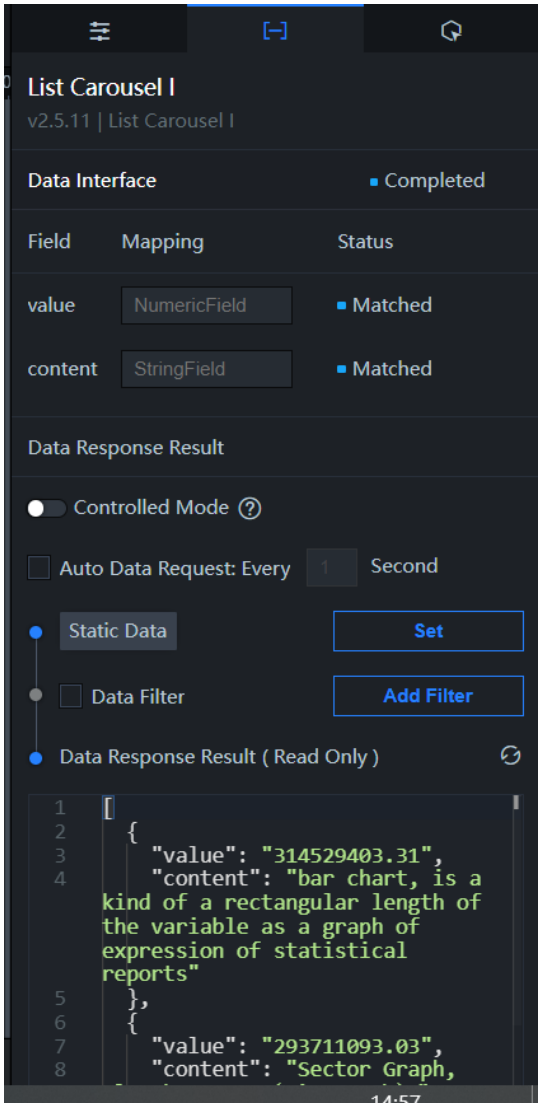


- **Segment**: To display the segments, click the **Eye** icon.
  - **Color**: To change the color of the segments, see Color picker.
  - **Height**: To change the height of the segments, enter a value, or click + or -.

Data

- value: value in each row of the carousel list. The value of this field corresponds to the length of each row with data being displayed according to the corresponding values.

- content: text displayed in each row of the carousel list.



Interaction

This widget is not connected to any events yet.

13.Basic interactions

13.1. Page carousel

The page carousel widget belongs to the Interact category. It allows you to rotate web pages in your DataV project. You can configure the attributes of a page on the Data tab, including the page ID, name, and URL. This topic describes the configuration items of the page carousel widget.

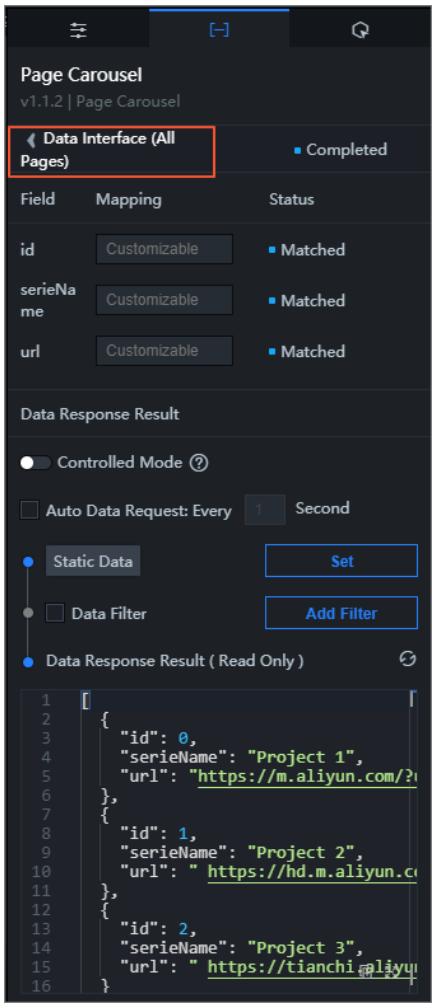
Settings

-
-
-
-
-
- **Carousel**: specifies whether to enable automatic carousel of multiple pages.
- **Intervals (s)**: the interval to rotate the pages. This parameter appears only when you turn on **Carousel**.

Data

The Data tab of the page carousel widget contains **Data Interface (All Pages)** and **Data Interface (Current Page)**.

- **Data Interface (All Pages)**



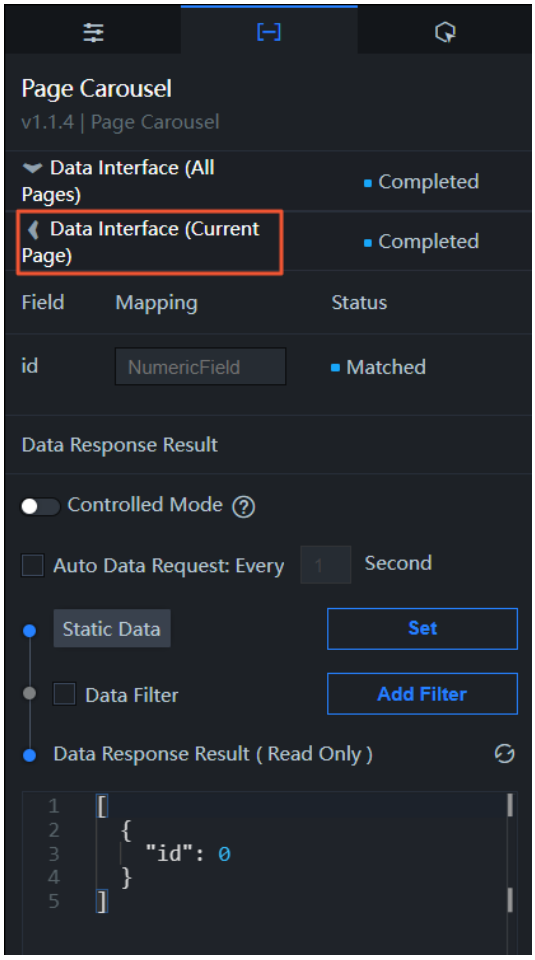
Sample code in the preceding figure:

```
[
  {
    "id": 0,
    "serieName": "Project 1",
    "url": "https://m.aliyun.com/?utm_content=se_1435405"
  },
  {
    "id": 1,
    "serieName": "Project 2",
    "url": " https://hd.m.aliyun.com/act/detail-datav.html"
  },
  {
    "id": 2,
    "serieName": "Project 3",
    "url": " https://tianchi.aliyun.com/markets/tianchi/outsource/ai/mobile"
  }
]
```

Parameters

Parameter	Description
id	The ID of a page in the widget.
serieName	The name of a page in the widget.
url	The URL of a page in the widget.

- **Data Interface (Current Page)**



id: the ID of a page in the widget.

- If the widget uses a static data source, the id field specifies the ID of the initial page. The ID must be consistent with the id parameter configured in **Data Interface (All Pages)**.
- If the widget uses a dynamic data source, such as a database or API, the value of the id parameter can be dynamically obtained from an interaction widget, such as a timeline and tab list. You can change an element in the interaction widget to rotate to a specific page. The value format of the id parameter returned by the dynamic data source must be the same as the value format of this id parameter and must be consistent with the id parameter configured in **Data Interface (All Pages)**.

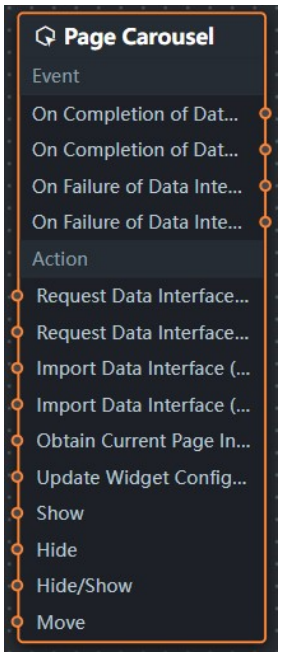
We recommend that you configure a dynamic data source. For more information, see Widget interaction and Configure a callback ID for a ticker board.

Interaction

This widget does not support interaction events.

Interaction configuration in the blueprint editor

1.
2.
3. In the blueprint editor, click **Page Carousel** in the Added Nodes pane. You can configure the widget parameters on the canvas.



- **Events**

Event	Description
On Completion of Data Interface (All Pages) Request	After data of the page carousel widget is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On Completion of Data Interface (Current Page) Request	After data of the current page is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Data Interface (All Pages)	This action takes parameters passed by an upstream data processing node or widget and requests data of the page carousel widget from the server. For example, the page carousel widget uses the API data source `http://api.test`, and the data passed to the **Request Data Interface (All Pages)** action is `{ id: '1'}`. As a result, the `http://api.test?id=1` API is called to request data.

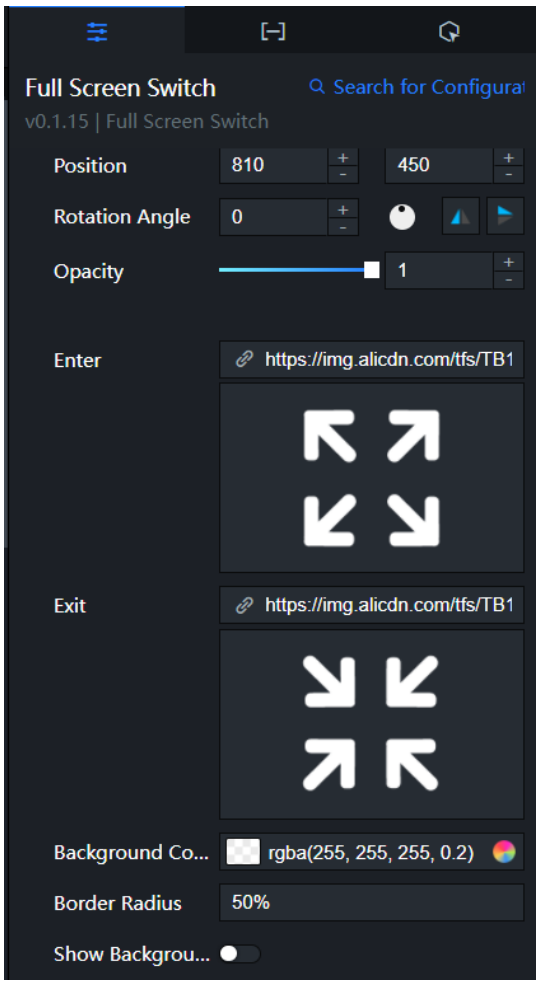
Action	Description
Request Data Interface (Current Page)	This action takes parameters passed by an upstream data processing node or widget and requests data of the current page from the server. For example, the page carousel widget uses the API data source `http://api.test`, and the data passed to the **Request Data Interface (Current Page)** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface (All Pages)	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Import Data Interface (Current Page)	This action imports data from the API to render the current page and dose not request data from the server. For more information, see Example data.
Obtain Current Page Information	This action returns parameters such as id and url of the current page. For more information, see Example data.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.
Move	This action moves the widget to a specified position. `{ // The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

13.2. Full screen switch

The full screen switch belongs to the Interact category. It allows you to switch your DataV widget between a full screen and small screen. You can configure the switch icons and background style, as well as hide or show the background. This topic describes the configuration items of the full screen switch.

Settings

-
-
-
-
-
- **Enter**: the icon to enter the full screen mode. You can move the pointer over the image box, click Delete, and upload a new icon image from your on-premises computer. If you want to use an icon image from a remote server, enter the image URL.
- **Exit**: the icon to exit the full screen mode. You can move the pointer over the image box, click Delete, and upload a new icon image from your on-premises computer. If you want to use an icon image from a remote server, enter the image URL.
- **Background Color**: the background color of the icons. For more information, see Color picker.
- **Border Radius**: the shape of the background. Default value: **50%**, which indicates that the background is a circle. If you set the value to **0%**, the background is a square.



> **Note** If the widget is not a square, the background is an ellipse when you set **Border Radius** to 50%.

- **Show Background Image**: If you turn on the switch, the background always shows. If you turn off the switch, the background shows only when you move the pointer over the full screen switch.

> **Note** You can view the style of the full screen switch only on the preview or publish page.

Data

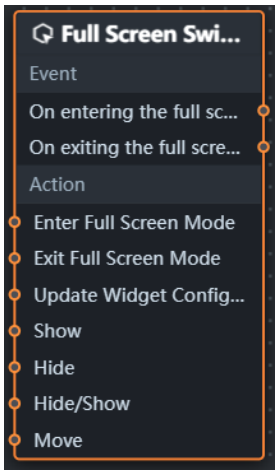
This widget does not support data configuration.

Interaction

Select the **Enable** check box to enable the interaction event. When you enter or exit the full screen mode, a data request is triggered to pass callback IDs. For more information, see Configure a callback ID.

Interaction configuration in the blueprint editor

1.
2.
3. In the blueprint editor, click **Full Screen Switch** in the Added Nodes pane. You can configure the widget parameters on the canvas.



- **Events**

Event	Description
On entering the full screen mode	This event is triggered when you enter the full screen mode and does not need parameter input.
On exiting the full screen mode	This event is triggered when you exit the full screen mode and does not need parameter input.

- **Actions**

Action	Description
Enter Full Screen Mode	This action enters the full screen mode and does not need parameter input.
Exit Full Screen Mode	This action exits the full screen mode and does not need parameter input.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.

Action	Description
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.

Move	This action moves the widget to a specified position.
	`{`
	`// The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to.`
	`"positionType": "to",`
	`// The position that consists of the x and y coordinates.`
	`"attr": {`
	`"x": 0,`
	`"y": 0`
	`},`
	`// The animation settings.`
	`"animation": {`
	`"enable": false,`
	`// The animation duration.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`}`
	`}`

13.3. iframe

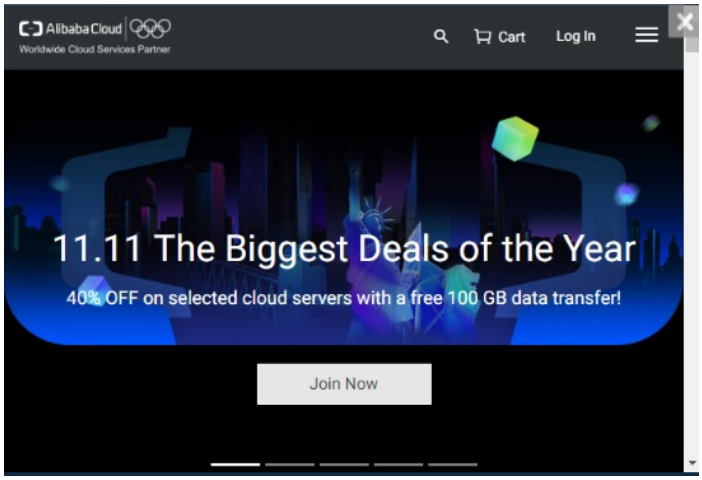
An iframe belongs to the Interact category. It allows you to embed web pages in your DataV project. You can configure the iframe page URL and show or hide an iframe. This topic describes the configuration items of the iframe.

Settings

-
-
-
-
-
- **URL**: the URL of the iframe page.

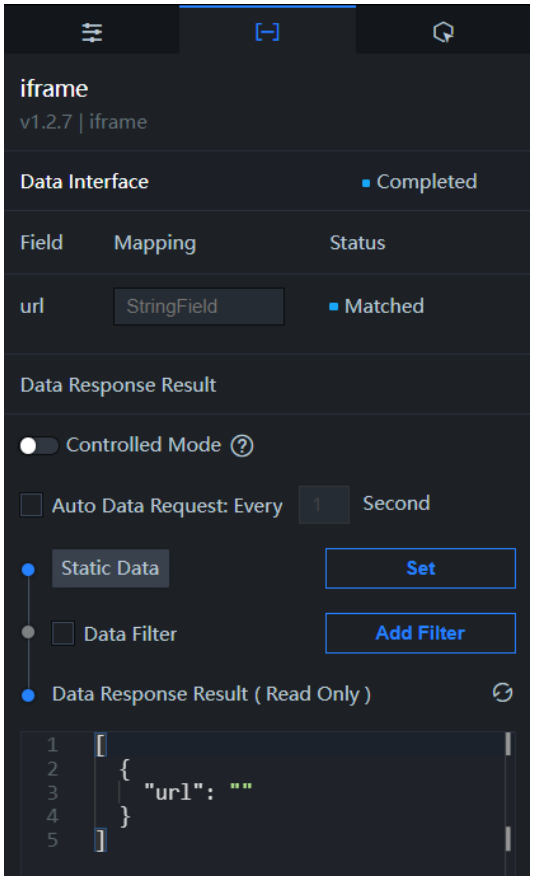
  > **Note** If the project uses HTTPS but the iframe page uses HTTP, the iframe page is inaccessible. In this case, you must configure cross-origin access.

- **Show Close Button**: specifies whether to show the close button on the upper-right corner of the iframe page. On the preview or publish page, you can click the button to close the iframe page.



- **Always Show the Close Button**: specifies whether to always show the close button. If you turn on the switch, the close button always shows. If you turn off the switch, the close button shows only when you move the pointer over the iframe page. This parameter appears only when you enable **Show Close Button**.
- **No Scrollable**: specifies whether the iframe page can be scrolled.

Data



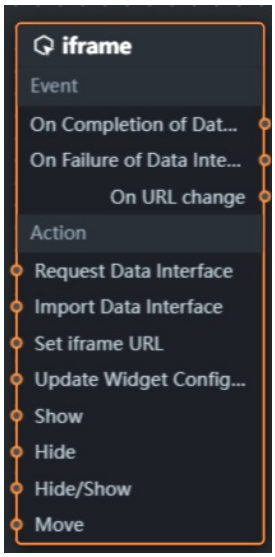
url: the URL of the iframe page. This parameter functions the same as the **URL** parameter on the Settings tab. If this parameter and the URL parameter on the Settings tab are both configured, this parameter takes effect in priority.

Interaction

Select the **Enable** check box to enable the interaction event. If the URL of the iframe page changes, the event is triggered to pass the callback IDs you specify. For more information, see Configure a callback ID.

Interaction configuration in the blueprint editor

1.
2.
3. In the blueprint editor, click **iframe** in the Added Nodes pane. You can configure the widget parameters on the canvas.



- **Events**

Event	Description
On Completion of Data Interface Request	After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On URL change	This event is triggered when the URL of the iframe page changes.

- **Actions**

Action	Description
Request Data Interface	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the iframe uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Set iframe URL	This action sets the URL of the iframe page.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.

Action	Description

Move	This action moves the widget to a specified position.
	`{`
	`// The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to.`
	`"positionType": "to",`
	`// The position that consists of the x and y coordinates.`
	`"attr": {`
	`"x": 0,`
	`"y": 0`
	`},`
	`// The animation settings.`
	`"animation": {`
	`"enable": false,`
	`// The animation duration.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`}`
	`}`

13.4. Timeline

A timeline widget belongs to the Interact category. It allows you to show data changes over different time ranges in your DataV project, for example, to achieve the effect of data carousels. You can configure the label style, event node style, and interaction for a timeline widget. This topic describes the configuration items of a timeline widget.

Settings

-
-
-
-
-
- **Global Style**

Parameter	Description
Font	The font of text in the timeline widget. Default value: **Microsoft YaHei**.
Carousel	If you turn on the switch, the event nodes are repeatedly rotated. If you turn off the switch, the event nodes are rotated only once.
Animation Duration	The duration to rotate one event node from another.
Stop Time	The time that the animation stops on an event node.
Padding	The horizontal distance between the start event and the left border and between the end event and right border. We recommend that you do not configure a value larger than half the width of the timeline widget.

- **Event Node Style**
  - **Data Type**: the type of the event nodes. Valid values: **Numeric**, **Category**, and **Time**.

- **Data Format**: the format of data. For example, assume that the data is **1982-02-01 17:09**. You must set the data format to **%Y-%m-%d %H:%M**. This parameter appears only when the **Data Type** is set to **Time**.

- **Shape**: the shape of the event nodes.
- **Node size**: the size of the event nodes.
- **Default Style**: the style of the event nodes that are not selected.

Parameter	Description
Fill Color	The fill color of the event nodes that are not selected. For more information, see Color picker.
Stroke Color	The border color of the event nodes that are not selected.
Stroke Width	The border width of the event nodes that are not selected.

- **Selection Style**: the style of the event nodes that are selected.

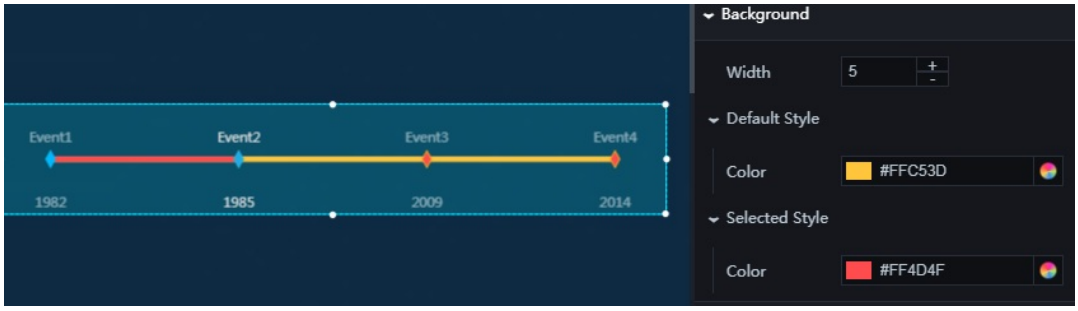
Parameter	Description
Fill Color	The fill color of the event nodes that are selected. For more information, see Color picker.
Stroke Color	The border color of the event nodes that are selected.
Stroke Width	The border width of the event nodes that are selected.

- **Lower Label**

Parameter	Description
Offset	The distance between the lower labels and the middle axis. 
Rotate	The rotation angle of the lower labels.
Default Style	The default font size, color, and weight of the lower labels.

Parameter	Description
Selection Style	See the settings in the Default Style parameter.

- **Upper Label**: See the settings in the **Lower Label** parameter.
- **Background**

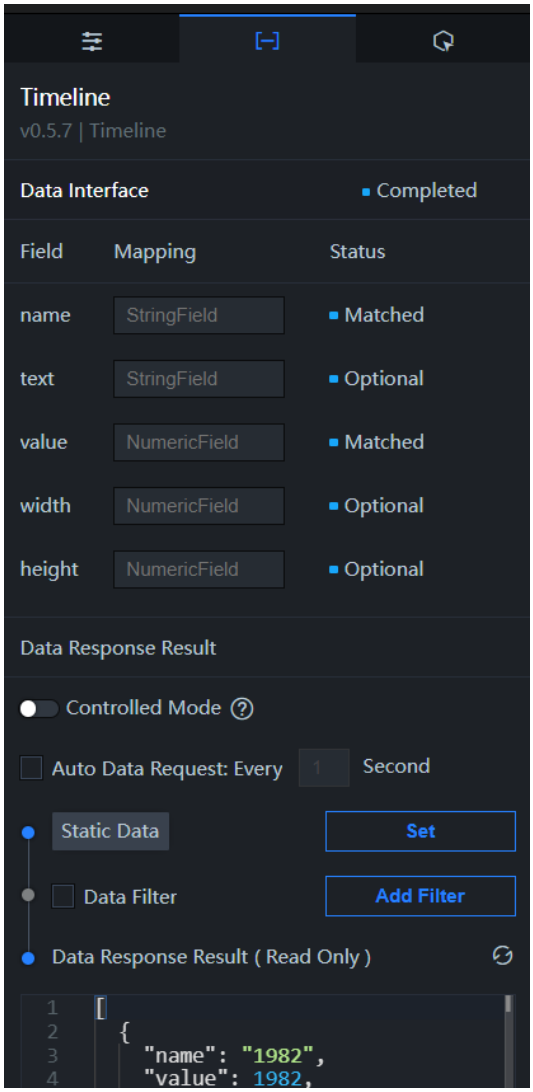


Parameter	Description
Width	The line width of the middle axis.
Default Style	The default color of the middle axis.
Selection Style	The color of the middle axis section when the corresponding event node is selected.

- **Interaction**: the callback ID used for interaction between the timeline widget and other widgets. The callback ID must be a parameter on the Data tab.

> **Notice** If the version of your widget is not the latest, upgrade the widget and configure callback IDs in the Interaction tab.

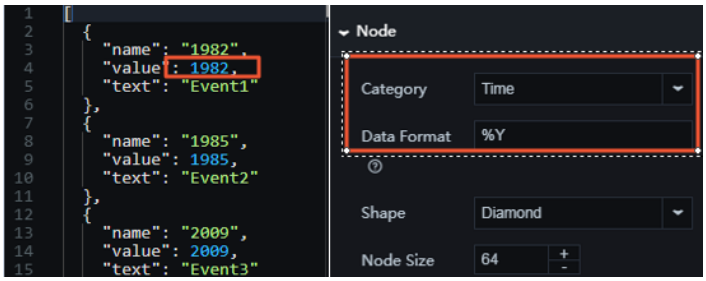
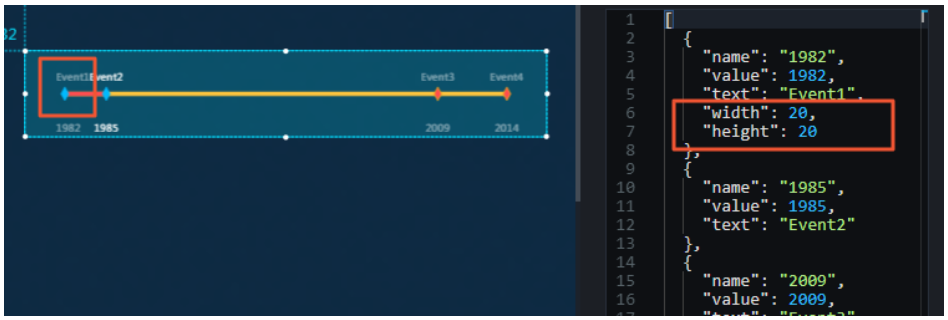
Data



Sample code in the preceding figure:

```
[
  {
    "name": "1982",
    "value": 1982,
    "text": "Event 1"
  },
  {
    "name": "1985",
    "value": 1985,
    "text": "Event 2"
  },
  {
    "name": "2009",
    "value": 2009,
    "text": "Event 3"
  },
  {
    "name": "2014",
    "value": 2014,
    "text": "Event 4"
  }
]
```

Parameters

Parameter	Description
name	The text of a lower label.
text	The text of an upper label. This parameter is optional.
value	The value of an event node. If the Data Type parameter is set to Time, the value of this parameter must be configured in the format specified by the **Data Format** parameter. 
width	The width of the label text, in pixels. This parameter is optional. By default, this parameter is not configured.
height	The height of the label text, in pixels. This parameter is optional. By default, this parameter is not configured. 

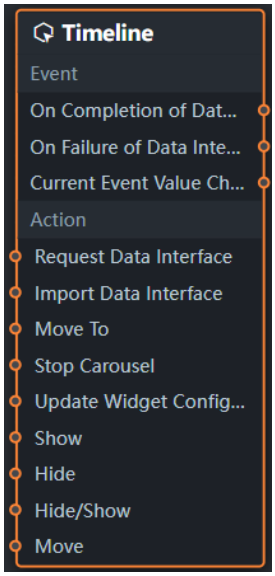
Interaction

Select the **Enable** check box to enable the interaction event. A change to the timeline widget triggers a data request to pass callback IDs. This allows you to dynamically load widget data. By default, the value parameter is passed. For more information, see Configure a callback ID.

> **Note** You can use the timeline widget to achieve the effect of data carousels by performing the following steps:
>
> 1. Configure a carousel parameter on the Data tab of the timeline widget. Then, set this parameter as the callback ID on the Interaction tab.
> 2. Move the timeline widget out of the canvas or set its colors to transparent to hide the timeline.
> 3. Add a carousel widget and call the configured callback ID to achieve the effect of data carousels.

Interaction configuration in the blueprint editor

1.
2.
3. In the blueprint editor, click **Timeline** in the Added Nodes pane. You can configure the widget parameters on the canvas.



- **Events**

Event	Description
On Completion of Data Interface Request	After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
Current Event Value Change	When the current event value changes, this event is triggered to pass data of the current value.

- **Actions**

Action	Description
Request Data Interface	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the timeline widget uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Move To	This action moves the animation to the specified event and passes callback IDs.
Stop Carousel	This action stop the rotation of the timeline event nodes and passes callback IDs.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.

Action	Description
Show/Hide	This action shows or hides the widget. `{ // true: shows the widget. false: hides the widget. "status": true, // The show animation settings. "animationIn": { // The animation type. Valid value: fade. If you leave this parameter empty, no animations are configured. "animationType": "fade", // The animation duration, in ms. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" }, // The hide animation settings. "animationOut": { // The animation type. Valid value: fade. If you leave this parameter empty, no animations are configured. "animationType": "fade", // The animation duration, in ms. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`
Move	This action moves the widget to a specified position. `{ // The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

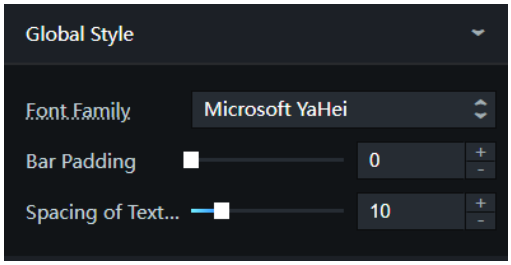
13.5. Percentage bar chart

The percentage bar chart widget allows you to customize the chart style, the percentage value, and other options as needed.

Style

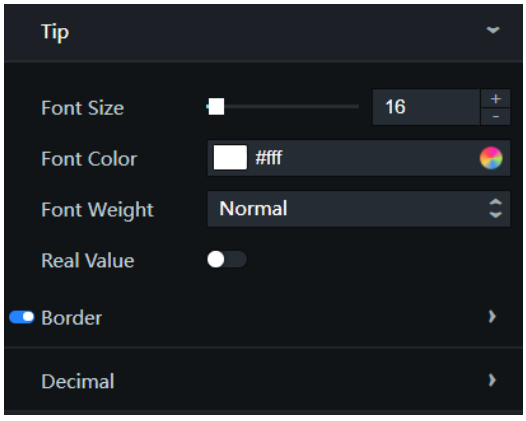
-
- **Global Options**

- **Font Family**: To set the font of the displayed text, click the drop-down arrow and select the target font. The default font is **Microsoft YaHei**.
- **Bar Padding**: To adjust spacing 1 (spacing between the percentage bar and the left border) and spacing 2 (spacing between the percentage bar and the right border), enter a value or drag the slider. The value range is from 0 to 100.
- **Spacing of Text and Bar**: To adjust the spacing between the text and the percentage bar, enter a value or drag the slider. The value range is from -50 to 50.



- **Tip**
  - **Font Size**: To change the font size of the percentage value, enter a value or drag the slider. The value range is from 10 to 100.
  - **Font Color**: To change the font color of the percentage value, see Color picker.
  - **Font Weight**: To set the font weight of the percentage value, click the drop-down arrow and select the target font weight.
  - **True Value**: If you select this option, the data value corresponding to the percentage value is displayed. If you clear this option, the percentage value is displayed.
  - **Show Border**: If you select this option, the border of the prompt box is displayed. If you clear this option, the border of the prompt box is not displayed.
  - **Decimal**
    - **Decimal Point**: If you select this option, the numerical value of the percentage value is displayed as a decimal number. If you clear this option, the numerical value is displayed as a whole integer.
    - **Decimal Num**: To change the number of digits to the right of the decimal point, enter a value or drag the slider. The value range is from 1 to 4.

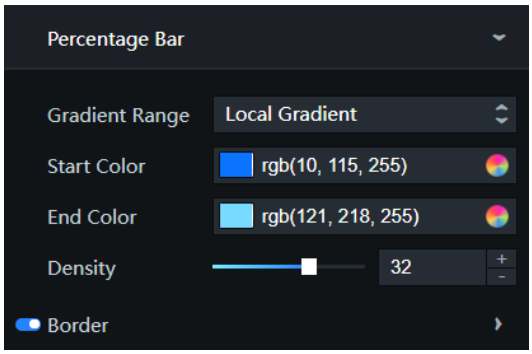
      > **Note** The **Decimal Num** option is displayed only when **Decimal Point** is selected.



- **Percentage Bar**
  - **Gradient Range**: To set the gradient range of the percentage bar, click the drop-down arrow and select the target range.
    - Global gradient
    - Local gradient
  - **Start Color**: To change the start color of the gradient colors, see Color picker.
  - **End Color**: To change the end color of the gradient colors, see Color picker.
  - **Density**: To change the number of segments in the percentage bar, enter a value or drag the slider. The value range is from 1 to 50.
  - **Border Hidden**: If you select this option, the borders of the percentage bar are hidden. If you clear this option, the borders of the percentage bar are displayed.

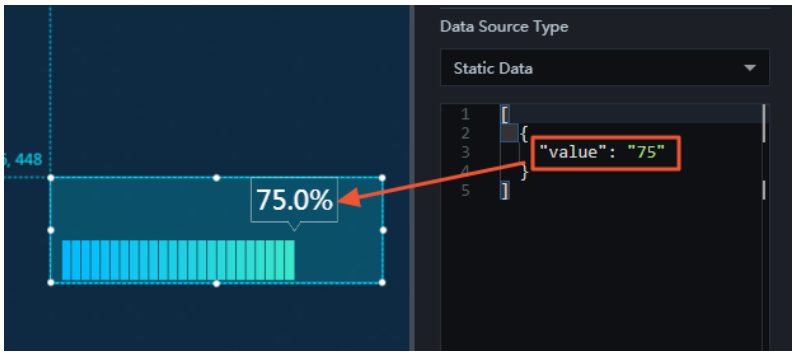
- **Sum**: To set the value to be displayed when the percentage value is 100%, enter a value, or click + or -.

> Notice The percentage value = Value/Sum. The value is obtained from the **Data** pane.



Data

value: numerical value in the percentage bar. The percentage value = Value/Sum.



Interaction

This widget is not connected to any events yet.

13.6. Tab list

A tab list belongs to the Interact category. It allows you to dynamically display tabs in your DataV project by using interaction events with other widgets. You can configure the color, quantity, type, and style of the tabs. This topic describes the configuration items of a tab list.

Parameter

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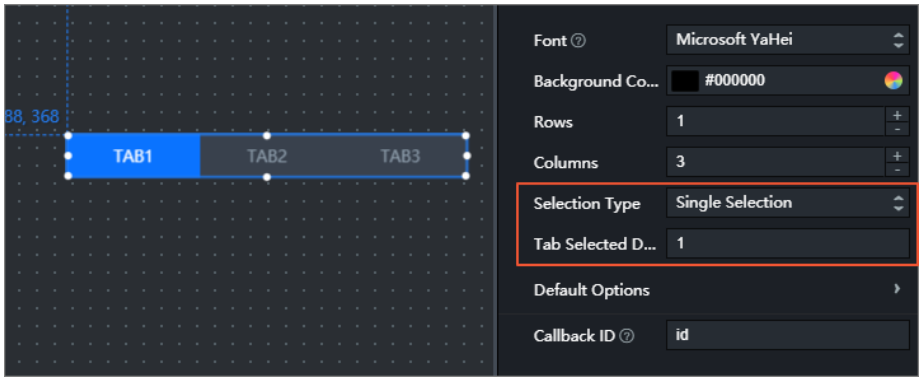
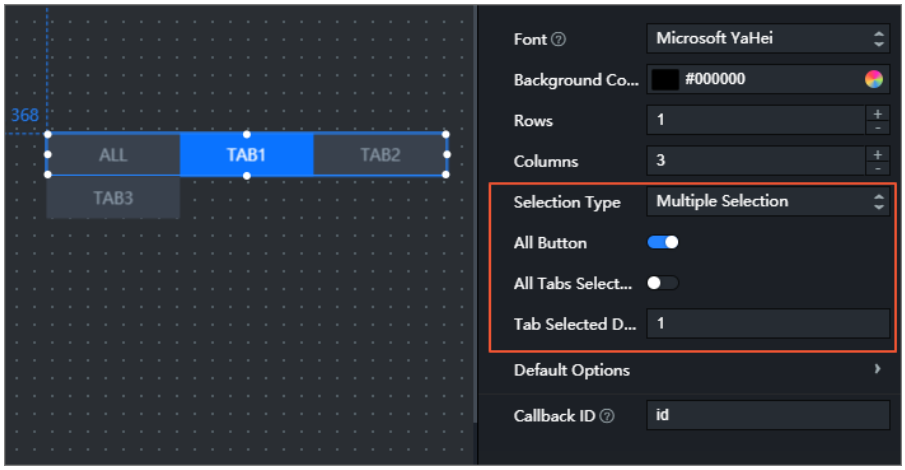
-
-
-
- **Font**: the font of the tab list.
- **Background Color**: the background color of the tab list.
- **Rows**: the number of rows in the tab list.
- **Columns**: the number of columns in the tab list.
- **Selection Type**: the selection type of the tab list. Valid values: **Single Selection** and **Multiple Selection**.
- **Carousel**: the carousel interval of the tab list. Click the icon to enable or disable the carousel.
- **Tab Selected During Initiation**: the ID of the tab to be initially selected. The value of this parameter must be the same as the value of the id parameter on the Data tab. If **Selection Type** is set to **Single Selection**, you can enter only one value. If **Selection Type** is set to **Multiple Selection**, you can enter multiple values. Separate the values with commas (,).

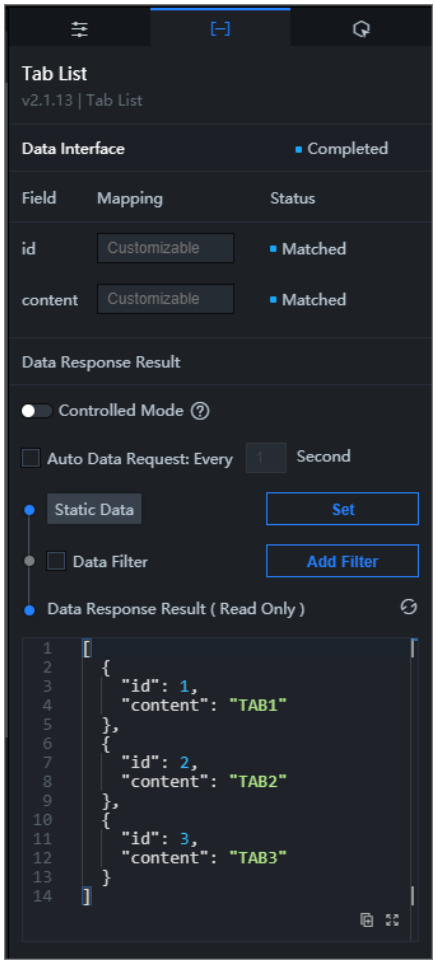
  Selection Type set to Single Selection



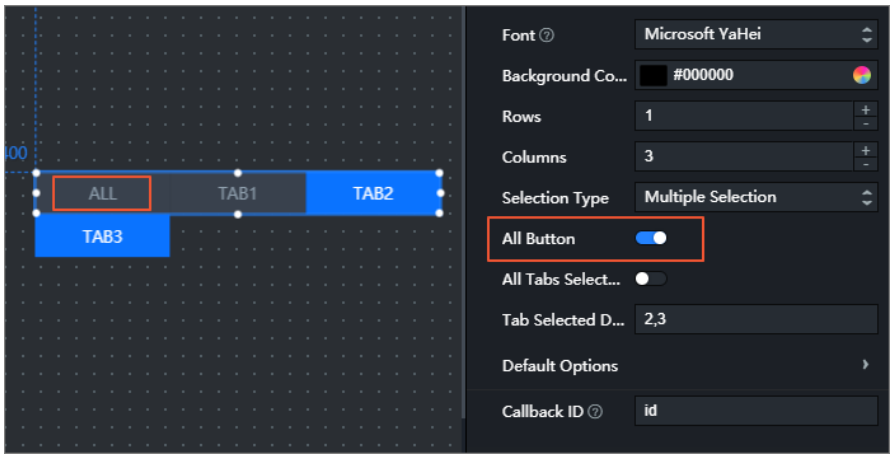
Selection Type set to Multiple Selection



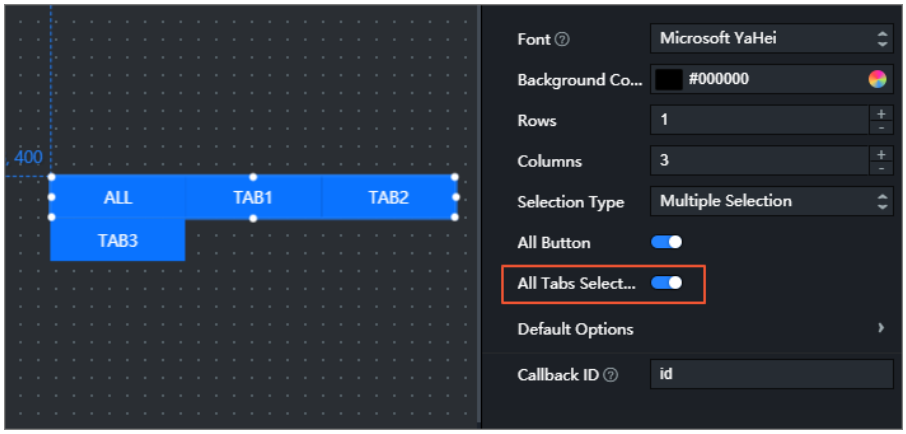
Initial value of the tab list



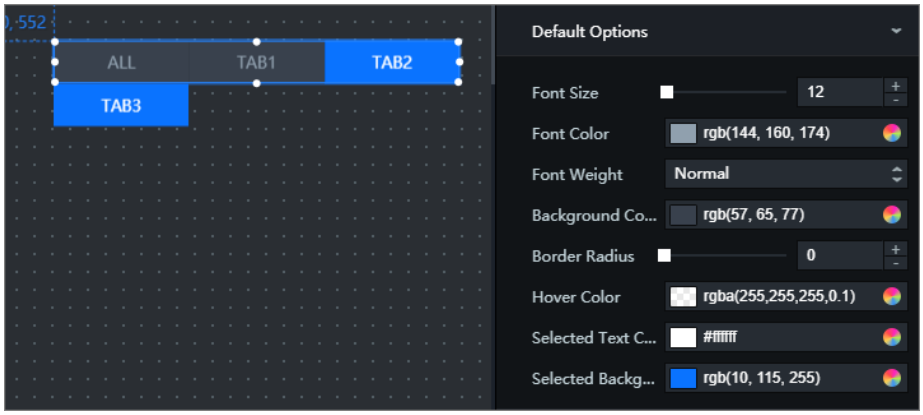
- **All Button**: specifies whether to display the **ALL** tab. This parameter appears only when **Selection Type** is set to **Multiple Selection**.



- **All Tabs Selected During Initiation**: specifies whether to select all tabs by default. If you turn on the switch, the **Tab Selected During Initiation** parameter does not appear. The All Tabs Selected During Initiation parameter appears only when **Selection Type** is set to **Multiple Selection**.



- Default Options

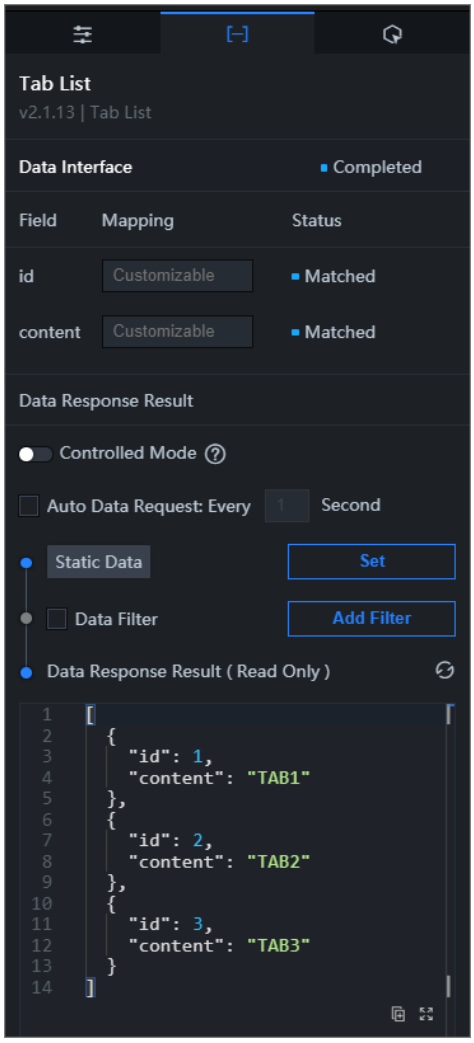


Parameter	Description
Font Size	The font size of the tabs.
Font Color	The font color of the tabs. For more information, see Color picker.
Font Weight	The font weight of the tabs.
Background Color	The background color of the tabs.
Border Radius	The corner radius of the tabs. A larger value indicates more rounded corners. Default value: 0. This value indicates that the tabs are rectangles.
Hover Color	The background color of a tab when you move the pointer over the tab. You can view the configuration effect only on the preview or publish page.
Selected Text Color	The text color of the selected tabs.
Selected Background Color	The background color of the selected tabs.
Icon Configuration	The width, height, and position of the tab icon, as well as the distance between the icon and text.

- **Callback ID**: the variable used to associate data between widgets. The callback ID must be a parameter configured on the Data tab.

> **Notice** If the version of your widget is not the latest, upgrade the widget and configure callback IDs on the Interaction tab.

Data



Sample code in the preceding figure:

```
[
  {
    "id": 1,
    "content": "TAB1"
  },
  {
    "id": 2,
    "content": "TAB2"
  },
  {
    "id": 3,
    "content": "TAB3"
  }
]
```

Parameters

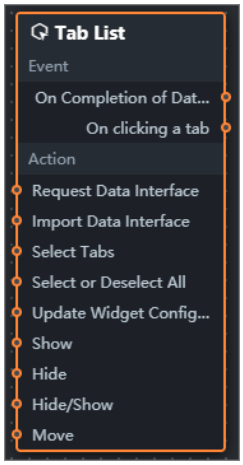
Parameter	Description
id	The ID of a tab. The **Tab Selected During Initiation** parameter on the Setting tab defines the ID of the default selected tab based on this parameter.
content	The text on a tab.

Interaction

Select the **Enable** check box to enable the interaction event. When you click a tab, a data request is triggered to pass callback IDs to dynamically load data. By default, the id and content parameters are passed. For more information, see Configure a callback ID.

Interaction configuration in the blueprint editor

1.
2.
3. In the blueprint editor, click **Tab List** in the Added Nodes pane. You can configure the widget parameters on the canvas.



- **Events**

Event	Description
On Completion of Data Interface Request	After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On clicking a tab	When you click a tab, this event is triggered to pass data of the tab.

- **Actions**

Action	Description
Request Data Interface	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the tab list uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Select Tabs	This event selects one or more tabs and needs input of an array or object.
Enable Carousel	This action enables the carousel for the tab list.
Disable Carousel	This action disables the carousel for the tab list.
Select or Deselect All	This action selects or deselects all tabs.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.

Action	Description

Show/Hide	This action shows or hides the widget.
	`{`
	`// true: shows the widget. false: hides the widget.`
	`"status": true,`
	`// The show animation settings.`
	`"animationIn": {`
	`// The animation type. Valid value: fade. If you leave this parameter empty, no animations are configured.`
	`"animationType": "fade",`
	`// The animation duration, in ms.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`},`
	`// The hide animation settings.`
	`"animationOut": {`
	`// The animation type. Valid value: fade. If you leave this parameter empty, no animation is configured.`
	`"animationType": "fade",`
	`// The animation duration, in ms.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`}`
	`}`

Action	Description
Move	This action moves the widget to a specified position. `{ // The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

13.7. Text box

Text box is a widget used for advanced interactions. It allows you to customize the background color, text style, border style, and button style in various states. It can be used as an input form in a DataV project to submit user input to the backend for processing. This topic describes the configuration items of a text box widget.

Settings

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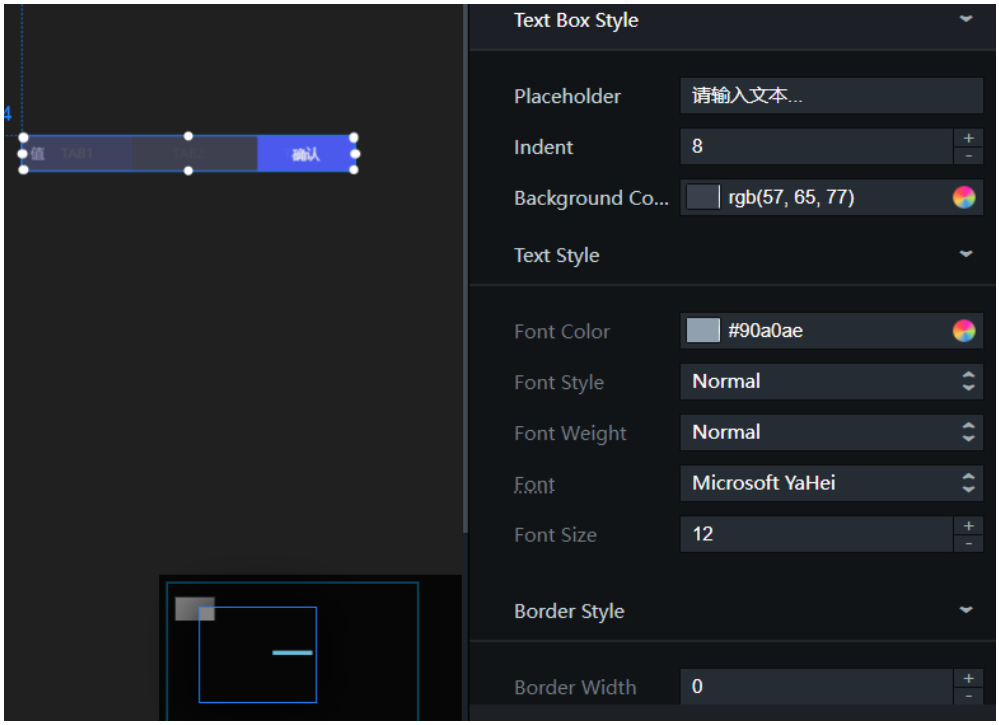
- **Text Box Style**



- **Placeholder**: the text you want to display in a text box. You can also configure this parameter on the Data tab.

  > Note
  > - The placeholder obtained from the **Data** tab takes precedence.
  > - The value of this parameter is displayed only after the value field on the **Data** tab is cleared.

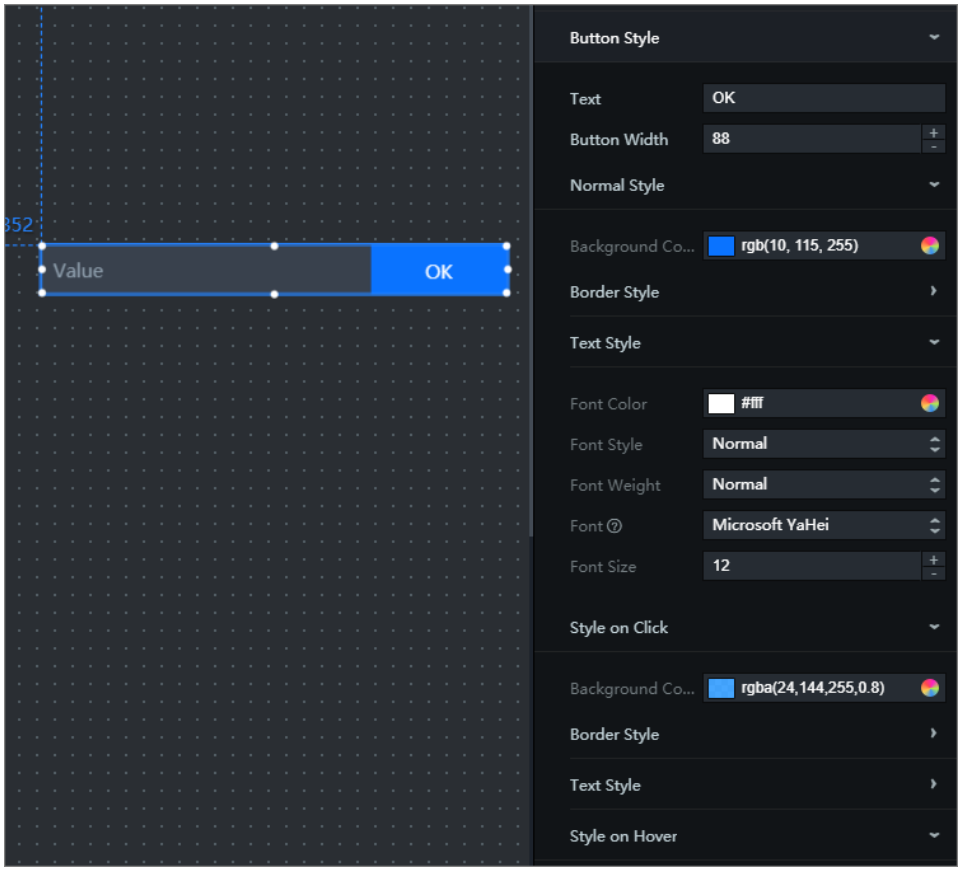
- **Indent**: the indent of texts in a text box.
- **Background Color**: the background color of a text box. For more information about how to modify the background color, see the color picker description in Configure item description.
- **Text Style**: the style of texts in a text box.

Parameter	Description
Font Color	The font color of texts in a text box.
Font Style	The font style of texts in a text box, which can be set to **Normal**, **Italic**, and **Oblique**.
Font Weight	The font weight of texts in a text box.
Font	The font family of texts in a text box. **Note** Only fonts that are installed on the operating system are displayed. If the selected font is not installed, the default font is displayed.
Font Size	The font size of texts in a text box.

- **Border Style**

Parameter	Description
Border Width	The border width in the unit of pixel.
Border Color	The border color.
Border Radius	The border radius. The value range is 0-360. If the value is 0, a square text box is displayed. If the value is 360, a round text box is displayed.
Line Type	The line type of the border, which can be **Solid Line**, **Dashed Line**, **Dotted Line**, **Double Solid Line**, **Carved Effect**, **Embossed Effect**, **Sunken Effect** or **Protrude Effect**.

- **Button Style**: the style of the button on the right of a text box.



  - **Text**: the text in the button.
  - **Button Width**: the button width.

> **Notice** If the button width is too small, the text cannot be displayed completely.

- **Normal Style**
  - **Background Color**: the background color of the button.
  - **Border Style**

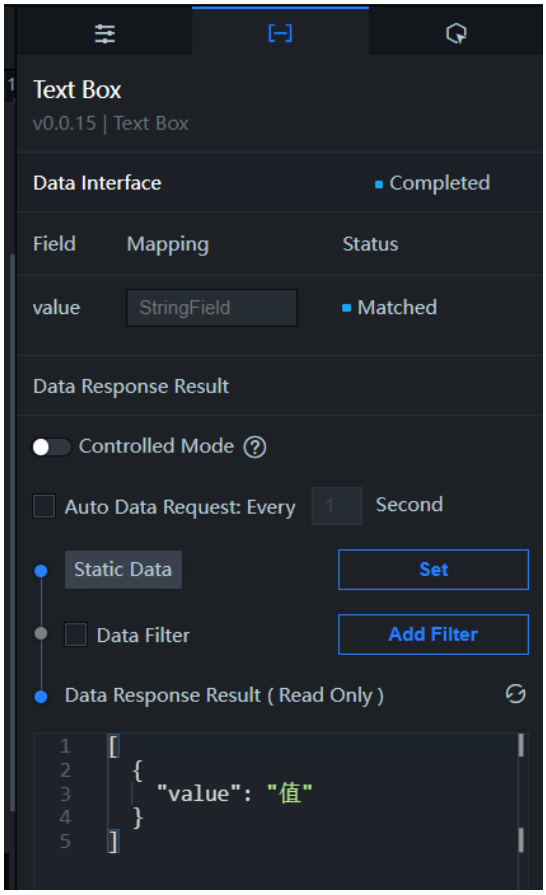
Parameter	Description
Border Width	The width of the button border.
Border Color	The color of the button border.
Border Radius	The border radius of the button. The value range is 0-360. If the value is 0, a square button border is displayed. If the value is 360, a round button border is displayed.
Line Type	The line type, which can be **Solid Line**, **Dashed Line**, **Dotted Line**, **Double Solid Line**, **Carved Effect**, **Embossed Effect**, **Sunken Effect**, or **Protrude Effect**.

  - **Text Style**

Parameter	Description
Font Color	The font color of texts in the button.
Font Style	The font style of texts in the button.
Font Weight	The font weight of texts in the button.
Font	The font family of texts in the button. **Note** Only fonts that are installed on the operating system are displayed. If the selected font is not installed, the default font is displayed.
Font Size	The font size of text in the button.

- **Style on Click**: the display style of the button on the right of the text box when you click the button. For more information, see **Normal Style**.
- **Style on Hover**: the display style of the button on the right of the text box when you move the pointer over the button. For more information, see **Normal Style**.

Data

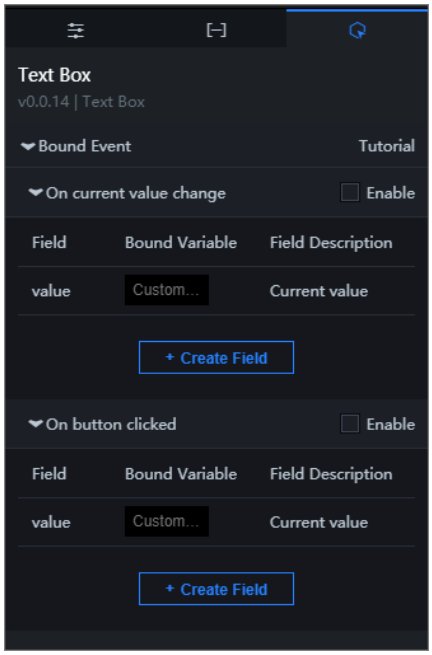


The following figure shows sample data:

```
[
  {
    "value": "Value"
  }
]
```

value: content displayed in a text box. After this field is configured, the configuration data overwrites **Placeholder** in Text Box Style. This field can be empty. When it is empty, the value of Placeholder is displayed.

Interaction

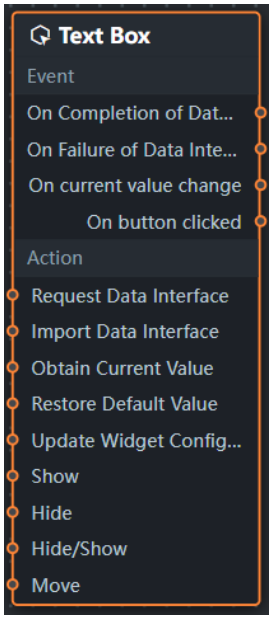


Widget interactions are enabled when you select the **Enable** check box on the right of **On current value change** and **On button clicked**. A **text box** widget supports interaction configurations that allow you to change content in the text box, trigger data requests, and return callback values. You can also use the interaction configurations for other widgets.

By default, value configured on the Data tab is returned. For more information about the specific configuration, see Configure a callback ID for a ticker board.

Configure interactions in Blueprint Editor

1.
2.
3. In Blueprint Editor, click a text box widget in the Added Nodes panel, you can view configuration parameters of the widget in the canvas, as shown in the following figure.



- **Events**

Event	Description
On Completion of Data Interface Request	The event is triggered with the processed JSON data after a data interface request is responded and processed by a filter. For specific data, see Data.

Event	Description
On current value change	The event is triggered with a data item when the current value changes. The data item corresponds to the changed value.
On button clicked	The event is triggered with a data item when the button is clicked. The data item corresponds to the clicked button.

- **Actions**

Action	Description
Request Data Interface	This action is performed to request the server data again. The data sent by an upstream data processing node or layer node is used as a parameter. For example, if the API data source of a text box is configured as `http://api.test` and the data transmitted to the **Request Data Interface** action is `{id: '1'}`, the final request interface is `http://api.test? id=1`.
Import Data Interface	After data of a widget is processed in accordance with its drawing format, the widget is imported for redrawing. You do not need to request the server data again. For specific data, see Data.
Obtain Current Value	The value in the current text box is obtained.
Restore Default Value	The default value is restored.
Update Widget Configurations	Style configurations of widgets are dynamically updated. Before this action is executed, you must click the widget in Canvas Editor, click the Settings tab in the right-side panel, and click **Copy Configurations to...** to obtain widget configurations. After that, change the style field for the data processing node in Blueprint Editor.
Show	A widget is shown without the need to specify parameters.
Hide	A widget is hidden without the need to specify parameters.

Action	Description

Hide/Show	A widget is hidden or shown.
	`{`
	`// true indicates that a widget is shown, whereas false indicates that a widget is hidden.`
	`"status": true,`
	`// Animation is displayed.`
	`"animationIn": {`
	`// The animation type, which can be set to fade. If it is not specified, no animation is displayed.`
	`"animationType": "fade",`
	`// The duration in which animation is displayed. It is in the unit of milliseconds.`
	`"animationDuration": 1000,`
	`// The function that is used to display animation. You can set this parameter to linear|easeInOutQuad|easeInOutExpo.`
	`"animationEasing": "linear"`
	`},`
	`// Animation is hidden.`
	`"animationOut": {`
	`// The animation type, which can be set to fade. If it is not specified, no animation is displayed.`
	`"animationType": "fade",`
	`// The duration in which animation is hidden. It is in the unit of milliseconds.`
	`"animationDuration": 1000,`
	`// The function that is used to hide animation. You can set this parameter to linear|easeInOutQuad|easeInOutExpo.`
	`"animationEasing": "linear"`
	`}`
	`}`

Action	Description
Move	A widget is moved to a specified location. `{ // The positioning type. to indicates absolute positioning, whereas by indicates relative positioning. The default value is to. "positionType": "to", // The location, which is indicated by both the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation type. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation curve. You can set this parameter to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" } }`

13.8. Button

Button is an interaction widget that allows you to customize the settings of a button in different states, including the color, size, tag content, and hyperlink. You can also use its interaction configurations with other widgets to show a linked page or prompt message in your project. This topic describes configuration items of a button.

Settings

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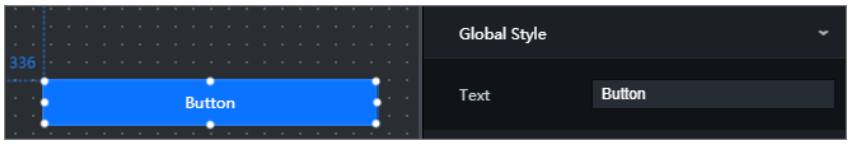
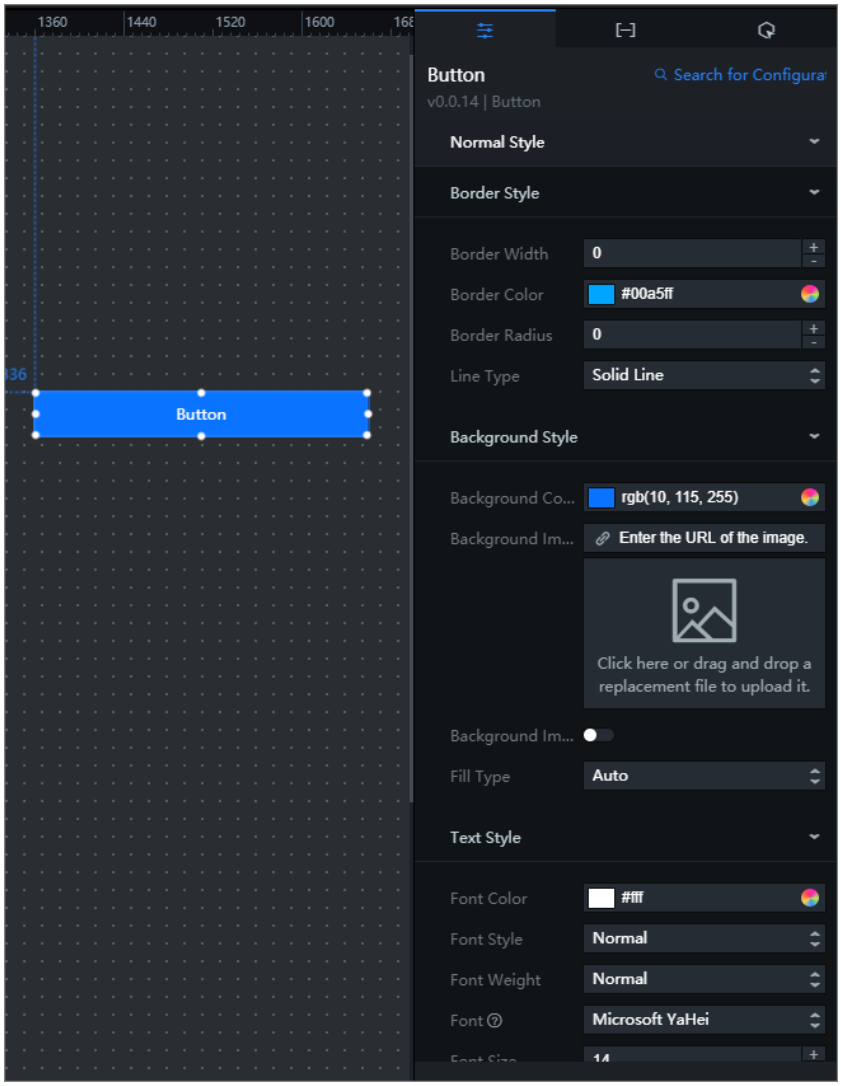
-
- **Global Style**

  Text: the text you want to display on a button.



- **Normal Style**



- **Border Style**

Parameter	Description
Border Width	The border width in the unit of pixels.
Border Color	The border color. For more information about how to modify the border color, see Configure item description.
Border Radius	The round border radius of a button. The value range is 0-360. If the value is 0, the button border is square. If the value is 360, the button border is round.
Line Type	The border line type, which can be **Solid Line**, **Dashed Line**, **Dotted Line**, **Double Solid Line**, **Carved Effect**, **Embossed Effect**, **Sunken Effect**, or **Protrude Effect**.

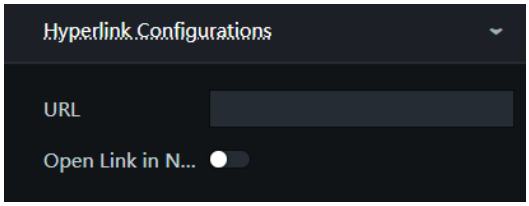
- **Background Style**

Parameter	Description
Background Color	The background color.
Background Image	To change a background image, you can click or drag a file to the square box, or enter the `URL` of an image in the Background Image field.
Background Image Repeats	Turn on this switch to repeat a background image in a button when the image does not fully cover the button.
Fill Type	The fill type of a background image, which can be **Cover**, **Contain**, or **Auto**.

- **Text Style**: the style of texts in a button.

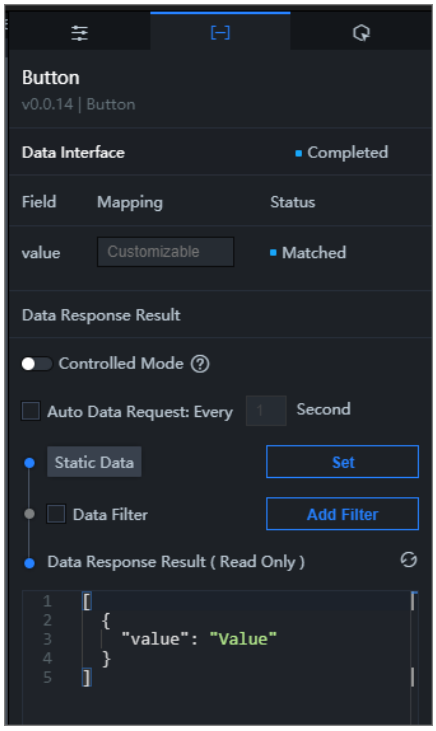
Parameter	Description
Font Color	The default font color.
Font Style	The font style, which can be **Normal**, **Italic**, or **Oblique**.
Font Weight	The font weight.
Font	The font family. The default value is **sans-serif**. **Note** Select a font that is already installed on your operating system. If no font is installed, the default font is displayed.
Font Size	The font size.
Text Alignment	The text alignment mode, which can be **Align Left**, **Align Right**, or **Align Center**.

- **Style on Click**: the display style of a button when you click this button. Configure parameters by referring to Normal Style.
- **Style on Hover**: the display style of a button when you move the pointer over this button. Configure parameters by referring to Normal Style.
- **Hyperlink Configurations**: the hyperlink that you click to redirect to a specific page.



Parameter	Description
URL	The URL of a hyperlink.
Open Link in New Tab	When this switch is turned on, you can open a link on a new tab. When this switch is turned off, you can open a link on the current tab.

Data



The following figure shows sample data:

```
[
  {
    "value": "Value"
  }
]
```

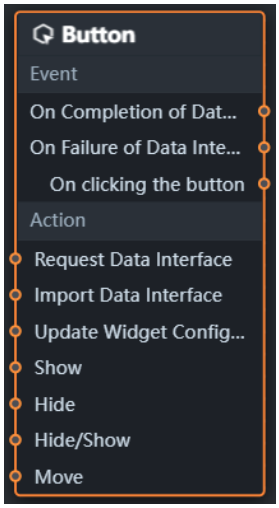
value: allows you to set the value of an event node.

Interaction

Select the **Enable** check box to enable interactions between widgets. When you click a button, a data request is triggered and the value configured on the Data tab is returned by default. For more information, see Configure a callback ID for widgets.

Configure interactions in Blueprint Editor

1.
2.
3. In Blueprint Editor, click the **button** widget in the Added Nodes panel, you can view events and actions supported by the button in the canvas, as shown in the following figure.



- **Events**

Event	Description
On Completion of Data Interface Request	The event is triggered with the processed JSON data after a data interface request is responded and processed by a filter. For specific data, see Data.
On clicking the button	The event is triggered with a data item when the button is clicked. The data item corresponds to the button.

- **Actions**

Action	Description
Request Data Interface	This action is performed to request the server data again. The data sent by an upstream converter or layer node is used as a parameter. For example, if the API data source of a button is configured as `http://api.test` and the data transmitted to the **Request Data Interface** action is `{ id: '1'}`, the final request interface is `http://api.test?id=1`.
Import Data Interface	After data of a widget is processed in accordance with its drawing format, the widget is imported for redrawing. You do not need to request server data again. For specific data, see Data.
Update Widget Configurations	Style configurations of widgets are dynamically updated. Before this action is executed, you must click the widget in Canvas Editor, click the Settings tab in the right-side panel, and click **Copy Configurations to...** to obtain widget configurations. After that, change the style field for the data processing node in Blueprint Editor.
Show	A widget is shown without the need to specify parameters.
Hide	A widget is hidden without the need to specify parameters.
Hide/Show	A widget is hidden or shown.

Action	Description
Move	A widget is moved to a specified location. `{ // The positioning type. to indicates absolute positioning, whereas by indicates relative positioning. The default value is to. "positionType": "to", // The location, which is indicated by the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation type. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation curve, which can be set to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" } }`

13.9. Switch

Switch is a widget used for advanced interactions. It functions as a physical switch, allowing you to open or close a project. You can use interaction configurations to define the information you want to show or hide when the switch is turned on or off. This topic describes configuration items of a switch.

Settings

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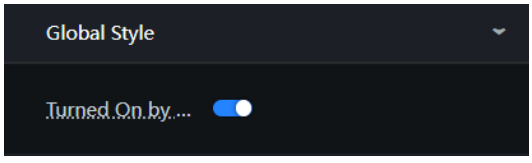
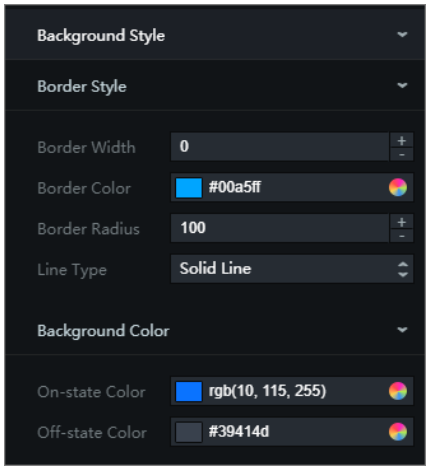
-
-
-
-
- **Global Style**



Turn On by Default: If it is turned on, the switch is turned on by default. If it is turned off, the switch is turned off by default.

- **Background Style**



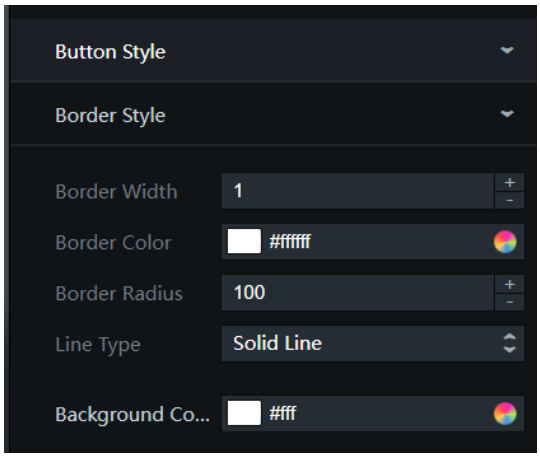
- **Border Style**

Parameter	Description
Border Width	The border width.
Border Color	The border color. For more information, see Configure item description.
Border Radius	The border radius. The value range is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Line Type	The line type of a border, which can be **Solid Line**, **Dashed Line**, **Dotted Line**, **Double Solid Line**, **Carved Effect**, **Embossed Effect**, **Sunken Effect**, or **Protrude Effect**.

- **Background Color**

Parameter	Description
On-state Color	The background color when a switch is turned on.
Off-state Color	The background color when a switch is turned off.

- **Button Style**

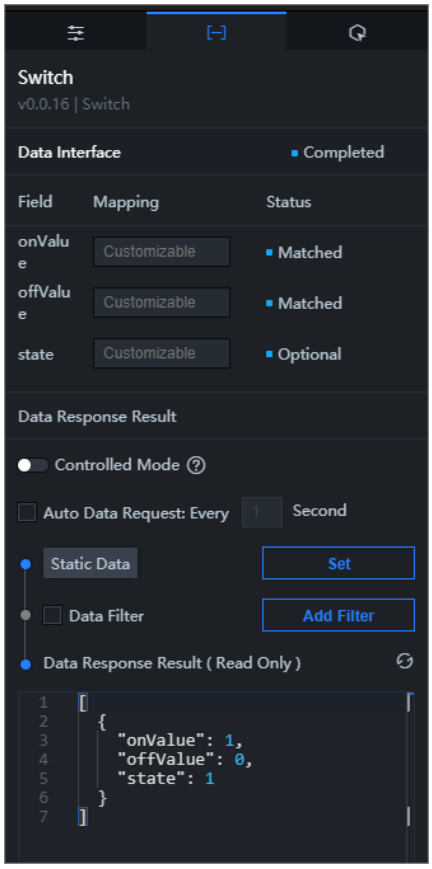


- **Border Style**

Parameter	Description
Border Width	The border width of a switch.
Border Color	The border color of a switch.
Border Radius	The border radius of a switch. The value range is 0-360. If the value is 0, the switch border is square. If the value is 360, the switch border is round.
Line Type	The border line type of a switch, which can be **Solid Line**, **Dashed Line**, **Dotted Line**, **Double Solid Line**, **Carved Effect**, **Embossed Effect**, **Sunken Effect**, or **Protrude Effect**.

- **Background Color**: the background color of a switch.

Data



The following figure shows sample data:

```
[
  {
    "onValue": 1,
    "offValue": 0,
    "state": 0
  }
]
```

Fields

Field	Description
onvalue	The data returned when a switch is turned on. The default value is 1.
offvalue	The data returned when a switch is turned off. The default value is 0.

Field	Description
state	The switch status, which must be set to 0 or 1. 0 indicates that a switch is turned off. 1 indicates that a switch is turned on.

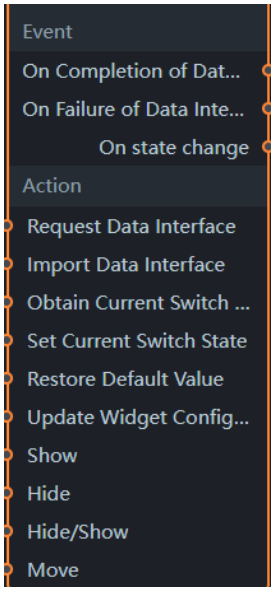
Interaction

Widget interactions are enabled when you select the **Enable** check box on the right of **On state change**. Switch widgets that have interaction configurations do not allow you to customize other callback variables. You can only turn on or off a switch to trigger a data request, return a callback value, and use the value for other widgets.

By default, value configured on the Data tab is returned. If the **switch** is turned on, onvalue will be returned. If the **switch** is turned off, offvalue will be returned. For more information, see Configure a callback ID for a ticker board.

Configure interactions in Blueprint Editor

1.
2.
3. In Blueprint Editor, click a **switch** widget in the Added Nodes panel, you can view events and actions supported by the switch in the canvas, as shown in the following figure.



- **Events**

Event	Description
On Completion of Data Interface Request	The event is triggered with the processed JSON data after a data interface request is responded and processed by a filter. For specific data, see Data.
On state change	The event is triggered with a data item when the state changes. The data item corresponds to the changed state.

- **Actions**

Action	Description
Request Data Interface	This action is performed to request the server data again. The data sent by an upstream data processing node or layer node is used as a parameter. For example, if the API data source of a switch is configured as `http://api.test` and the data transmitted to the **Request Data Interface** action is `{ id: '1'}`, the final request interface is `http://api.test?id=1`.
Import Data Interface	After data is processed in accordance with the widget drawing format, the widget is imported for redrawing. You do not need to request the server data again. For specific data, see Data.

Action	Description
Obtain Current Switch State	The current switch state is obtained.
Set Current Switch State	The current switch state is set.
Restore Default Value	The default value is restored.
Update Widget Configurations	Widget style configurations are updated dynamically. Before you execute this action, click a switch widget in Canvas Editor. In the right-side panel, click the **Settings** tab and click **Copy Configurations to...** to obtain widget configurations. Then, change the corresponding field value of the data processing node in Blueprint Editor as needed.
Show	A switch widget is shown without the need to specify parameters.
Hide	A switch widget is hidden without the need to specify parameters.
Hide/Show	A switch widget is hidden or shown. `{ //true indicates that a widget is shown, whereas false indicates that a widget is hidden. "status": true, // Animation is displayed. "animationIn": { // The animation type, which can be set to fade. If it is not specified, no animation is displayed. "animationType": "fade", // The duration in which animation is displayed. It is in the unit of milliseconds. "animationDuration": 1000, // The function that is used to display animation. You can set this parameter to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" }, // Animation is hidden. "animationOut": { // The animation type, which can be set to fade. If it is not specified, no animation is displayed. "animationType": "fade", // The duration in which animation is hidden. It is in the unit of milliseconds. "animationDuration": 1000, // The function that is used to hide animation. You can set this parameter to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" } }`

Action	Description
Move	A widget is moved to a specified location. `{ // The positioning type. to indicates absolute positioning, whereas by indicates relative positioning. The default value is to. "positionType": "to", // The location, which is indicated by both the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation type. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation curve, which can be set to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" } }`

13.10. Time picker

Time picker is a widget used for advanced interactions. It allows you to customize the settings of a calendar, including the background color, date and time style, and time format type. You can use a time picker to query data and dynamically display data of other widgets based on time. This topic describes configuration items of a time picker.

Settings

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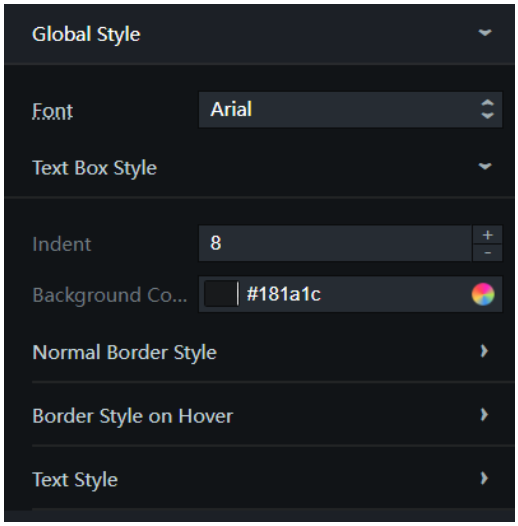
-
-
- **Global Style**



- **Font**: the text font. The default font is **Microsoft YaHei**.

  > **Note** Select a font that is already installed on your system. If no font is installed on your system, the default font is used.

- **Text Box Style**
  - **Indent**: the text indent in a text box.
  - **Background Color**: the background color in a text box.
  - **Normal Border Style**

Parameter	Description
Border Width	The border width in the unit of pixels.
Border Color	The border color.
Border Radius	The border radius. The value range is 0-360. If the value is 0, the text box is square. If the value is 360, the text box is round.

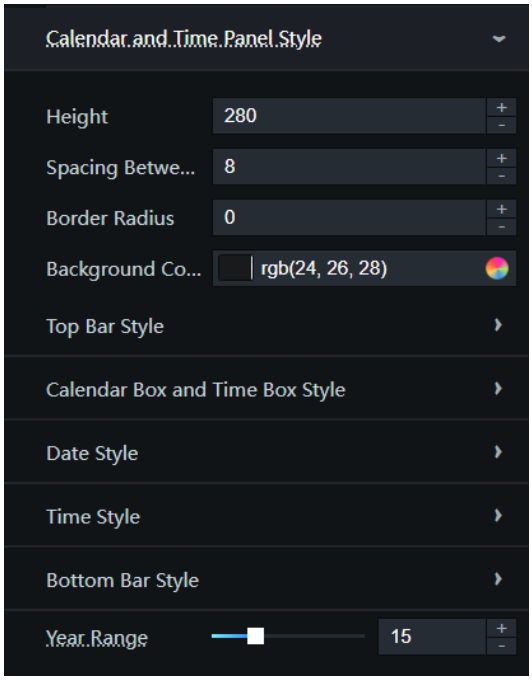
  - **Border Style on Hover**

Parameter	Description
Border Width	The border width when you move the pointer over a text box. The width is in the unit of pixels.
Border Color	The border color displayed when you move the pointer over a text box.
Border Radius	The border radius when you move the pointer over a text box. The value range is 0-360. If the value is 0, the text box is square. If the value is 360, the text box is round.

  - **Text Style**

Parameter	Description
Font Size	The text font size.
Font Color	The text color in a text box.
Font Weight	The text font weight. The default value is **Normal**.

- **Calendar and Time Panel Style**: the calendar style that is displayed on the preview or configuration page after you click a time picker. The configuration parameters takes effect only on a PC.



- **Height**: the height of a calendar.
- **Spacing Between Panel and Text Box**: the distance from the top of a calendar to the text box.
- **Border Radius**: the round border radius of a calendar. The value range is 0-360. If the value is 0, the calendar frame is square. If the value is 360, the calendar frame is round.
- **Background Color**: the background color of a calendar.
- **Top Bar Style**
  - **Year and Month Style (Calendar Panel)**

Parameter	Description
Font Size	The font size of year and month.
Font Color	The font color of year and month.
Font Weight	The font weight of year and month. The default value is **Normal**.

  - **Date Style (Time Panel)**

Parameter	Description
Font Size	The font size of time.
Font Color	The color of time.
Font Weight	The font weight of time. The default value is **Normal**.

  - **Top Bar Height (%)**: the height of the top bar in a calendar. The value range is 10-20. This parameter is a percentage value based on the height of a calendar.
  - **Margin for Prev Month and Next Month Buttons**: the distance between the icons of the previous month and next month in a calendar. The value range is 0-50.
  - **Margin for Year and Month Drop-Down List Boxes**: the spacing between year and month in a calendar. The value range is 0-50.
  - **Split Line Style**

Parameter	Description
Font Color	The color of a split line at the top of a calendar.
Line Width	The width of a split line at the top of a calendar.

- **Calendar Box and Time Box Style**
  - **Split Line Style**

Parameter	Description
Line Color	The color of a split line for the main part in a calendar.
Line Width	The width of a split line for the main part of a calendar.

  - **Height**: the height of the main part in a calendar.
- **Date Style**
  - **Header Row Style**: the style of the header in a calendar table.

Parameter	Description
Background Color	The background color in a calendar table.
Border Style	The border width, border color, and round border radius in a calendar table. The value range of the round border radius is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Font Size	The font size in a calendar table.

  - **Date Rows Style**: the row and column style in a calendar table.
    - **Normal Style**

Parameter	Description
Background Color	The background color of rows and columns in a calendar table.
Border Style	The border width, border color, and round border radius of rows and columns in a calendar table. The value range of the round border radius is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Font Weight	The font weight of rows and columns in a calendar table. The default value is **Normal**.
Font Color	The font color of rows and columns in a calendar table.

    - **Style on Hover**: the display style when you move the pointer over a column or row in a calendar table.

Parameter	Description
Background Color	The background color of a column or row in a calendar table when you move the pointer over the column or row.
Border Style	The border width, border color, and round border radius when you move the pointer over a column or row in a calendar table. The value range of the round border radius is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Font Weight	The font weight when you move the pointer over a column or row in a calendar table. The default value is **Normal**.
Font Color	The font color when you move the pointer over a column or row in a calendar table.

- **Selection Style**: the style displayed when you select a column or row in a calendar table.

Parameter	Description
Background Color	The background color of a column or row in a calendar table when you select the column or row.
Border Style	The border width, border color, and round border radius of a column or row in a calendar table when you select the column or row. The value range of the round border radius is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Font Weight	The font weight of a column or row in a calendar table when you select the column or row. The default value is **Normal**.
Font Color	The font color of a column or row in a calendar when you select the column or row.

- **Current Date Style**: the display style of the current date in columns and rows in a calendar table.

Parameter	Description
Background Color	The background color of the current date in columns and rows in a calendar table.
Border Style	The border width, border color, and round border radius of the current date in columns and rows in a calendar table. The value range of the round border radius is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Font Weight	The font weight of the current date in columns and rows in a calendar table. The default value is **Normal**.
Font Color	The font color of the current date in columns and rows in a calendar table.

- **Style for Dates of Prev and Next Months**: the display style of dates in the previous and next months in columns and rows in a calendar table.

Parameter	Description
Background Color	The background color of dates in the previous and next months in columns and rows in a calendar table.
Border Style	The border width, border color, and round border radius of dates in the previous and next months in columns and rows in a calendar table. The value range of the round border radius is 0-360. If the value is 0, the border is square. If the value is 360, the border is round.
Font Weight	The font weight of dates in the previous and next months in columns and rows in a calendar table. The default value is **Normal**.
Font Color	The font color of dates in the previous and next months in columns and rows in a calendar table.

- **Style for Days of Week**: the display style of days in a week in the calendar header.

Parameter	Description
Font Color	The font color of days in a week in the calendar header.
Font Weight	The font weight of days in a week in the calendar header. The default value is **Normal**.

- **Time Style**
  - **Time Box Style**

Parameter	Description
Border Style	The border width and color of a time box.
Font Size	The font size of a time box.

  - **Time Rows Style**
    - **Normal Style**

Parameter	Description
Background Color	The background color of a time row.
Font Weight	The font weight of a time row. The default value is **Normal**.
Font Color	The font color of a time row.

    - **Style on Hover**: the display style when you move the pointer over a time row.

Parameter	Description
Background Color	The background color of a time row when you move the pointer over this row.
Font Weight	The font weight of a time row when you move the pointer over this row. The default value is **Normal**.
Font Color	The font color of a time row when you move the pointer over this row.

    - **Selection Style**: the display style when you select a specific time row.

Parameter	Description
Background Color	The background color of a time row when you select it.
Font Weight	The font weight of a time row when you select this row. The default value is **Normal**.
Font Color	The font color of a time row when you select this row.

- **Bottom Bar Style**
  - **Height**: the height of the bottom bar in a calendar.
  - **Offset**: the distance between the bottom content and the bottom border.
  - **Style for Current-Time Button**

Parameter	Description
Font Size	The font size of a button at the moment.
Font color	The font color of a button at the moment.
Font Weight	The font weight of a button at the moment. The default value is **Normal**.
Left Offset	The left offset of a button at the moment.
Top Offset	The top offset of a button at the moment.

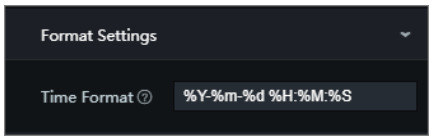
  - **Style for Panel Switchover Button**: the switchover button that can be used for a switchover between time selection and time point selection.

Parameter	Description
Font Size	The font size of the panel switchover button.
Font Color	The font color of the panel switchover button.
Font Weight	The font weight of the panel switchover button. The default value is **Normal**.
Right Offset	The right offset of the panel switchover button.
Top Offset	The top offset of the panel switchover button.

  - **Style for Confirm Button**

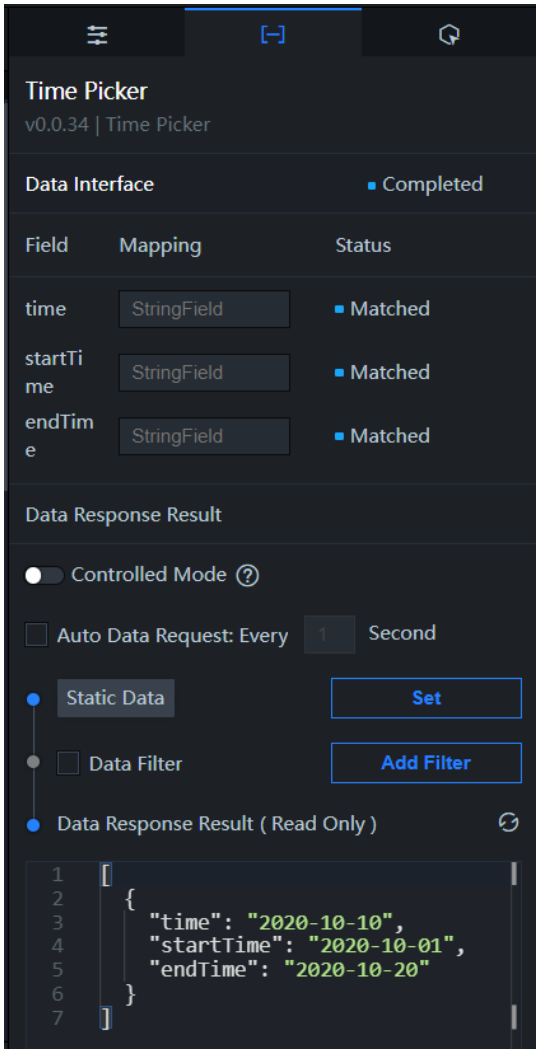
Parameter	Description
Font Size	The font size of the confirm button.
Font Color	The font color of the confirm button.
Font Weight	The font weight of the confirm button. The default value is **Normal**.
Right Offset	The right offset of the confirm button.
Top Offset	The top offset of the confirm button.
Background Color	The background color of the confirm button.
Border Radius	The round border radius of the confirm button. The value range is 0-360. If the value is 0, the button border is square. If the value is 360, the button border is round.

  - **Year Range**: the year range of a calendar. The value range is 1-50.
- **Time Format**



Time Format: a custom time format in accordance with the `%Y-%m-%d %H:%M:%S` format.

Data



The following figure shows sample data:

```
[
  {
    "time": "2018-08-08 08:08:08"
  }
]
```

time: the default time. The value is of the STRING type in accordance with the `%Y-%m-%d %H:%M:%S` format.

> **Note** If your data source is AnalyticDB for MySQL, ApsaraDB RDS for MySQL, or a database of other types and a time picker is required to present the time fields such as DateTime and Date, you can use SQL statements in DataV data configurations to convert the time format to a string.

Interaction

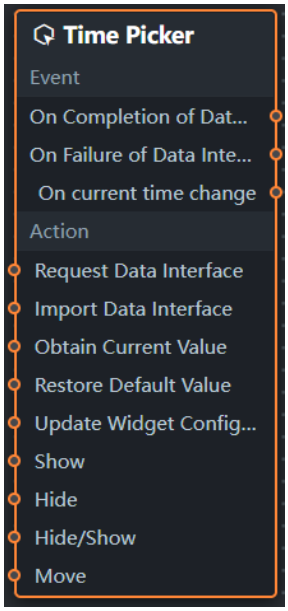
In the right-side panel of the time picker widget, click the Interaction tab. Select the **Enable** check box on the right of **On current time change**. A **time picker** widget supports interaction configurations that allow you to change time data in the picker, trigger data requests, and return callback values. You can also use the interaction configurations for other widgets.

By default, the value configured for time on the Data tab is returned. For more information about the specific configuration, see Configure a callback ID for a ticker board.

Configure interactions in Blueprint Editor

1.
2.

3. In Blueprint Editor, click the **time picker** widget, you can view configuration parameters of the time picker in the canvas, as shown in the following figure.



- **Events**

Event	Description
On Completion of Data Interface Request	The event is triggered with the processed JSON data after a data interface request is responded and processed by using a filter. For specific data, see Data.
On current time change	The event is triggered with a data item when the current time changes. The data item corresponds to the changed time.

- **Actions**

Action	Description
Request Data Interface	Server data is requested again. The data sent by an upstream data processing node or layer node is used as a parameter. For example, if the API data source of a time picker is configured as `http://api.test` and the data transmitted to the **Request Data Interface** action is `{id: '1'}`, the final request interface is `http://api.test?id=1`.
Import Data Interface	After data is processed in accordance with the widget drawing format, the widget is imported for redrawing. You do not need to request server data again. For specific data, see Data.
Obtain Current Value	The current value of a time picker is obtained.
Restore Default Value	The default value is restored.
Update Widget Configurations	Style configurations of widgets are dynamically updated. Before you execute this action, click a time picker widget in Canvas Editor. In the right-side panel, click the **Settings** tab and click **Copy Configurations to...** to obtain widget configurations. Then, change the corresponding field value of the data processing node in Blueprint Editor as needed.
Show	A time picker widget is shown without the need to specify parameters.
Hide	A time picker widget is hidden without the need to specify parameters.

Action	Description
Hide/Show	A time picker widget is hidden or shown. `{ //true indicates that a widget is shown, whereas false indicates that a widget is hidden. "status": true, // Animation is displayed. "animationIn": { // The animation type, which can be set to fade. If it is not specified, no animation is displayed. "animationType": "fade", // The duration in which animation is displayed. It is in the unit of milliseconds. "animationDuration": 1000, // The function that is used to display animation. You can set this parameter to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" }, // Animation is hidden. "animationOut": { // The animation type, which can be set to fade. If it is not specified, no animation is displayed. "animationType": "fade", // The duration in which animation is hidden. It is in the unit of milliseconds. "animationDuration": 1000, // The function that is used to hide animation. You can set this parameter to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" } }`
Move	A widget is moved to a specified location. `{ // The positioning type. to indicates absolute positioning, whereas by indicates relative positioning. The default value is to. "positionType": "to", // The location, which is indicated by the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation type. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation curve, which can be set to linear|easeInOutQuad|easeInOutExpo. "animationEasing": "linear" } }`

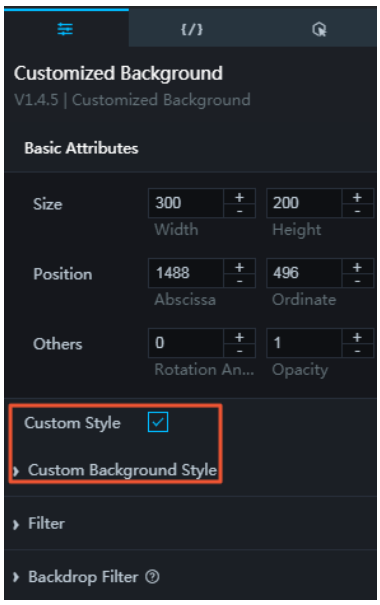
14.Media

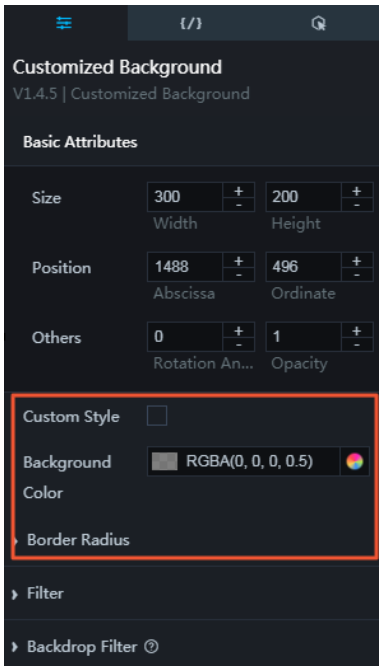
14.1. Customized background

The customized background widget allows you to add a background to one or more widgets.

Style

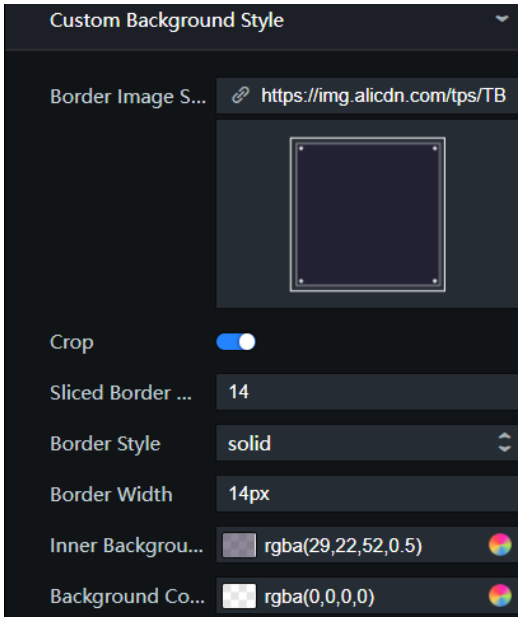
-
- **Custom Style**: If you select this option, you can customize the background style as needed. If you clear this option, you can customize the background color and border radii.





- **Background Color**: This option is displayed when you do not select **Custom Style**. To change the background color of the widget, see Color picker.
- **Border Radius**: This option is displayed when you do not select **Custom Style**. To adjust a border radius, such as the radius in the **top left corner**, **bottom left corner**, **top right corner**, and **bottom right corner**, enter a value or drag the slider.
- **Custom Background Style**: This option is displayed when you select **Custom Style**.

- **Border Image Source**: To change the image in the box, click the **Trash** icon and upload a local image. To use an image from the Internet, enter the URL of the image.
- **Slice**: If you select this option, the borders of the image are cropped to fit.
- **Border Image Style**: To adjust the width of the borders of the image, enter a value. The setting takes effect only when you select **Slice**.
- **Border Style**: To change the border style, click the drop-down arrow and select the target style. The borders can be **solid**, **dashed**, or **dotted**.
- **Border Width**: To adjust the border width, enter a value. The unit is pixels.
- **Inner Background**: To change the color of the inner background, see Color picker.
- **Background Color**: To change the color of the outer background, see Color picker.



- **Filter**: To adjust the blurring of the widget border, enter a value. The unit is pixels.
- **Backdrop Filter**: To adjust the blurring of the widget background, enter a value. The unit is pixels. This option takes effect only when you enable **Experimental Web Platform features** for your Chrome browser.

> **Note** To enable **Experimental Web Platform features**, follow these steps:
>
> i. Open the Chrome browser and enter *chrome://flags/#enable-experimental-web-platform-features*.
>
> ii. Click the drop-down arrow next to **Experimental Web Platform features** and select **Enabled**.
>
> iii. Restart the browser.

Data

You do not need to configure data for this widget.

> **Note** This widget can be extended to be a line.

Interaction

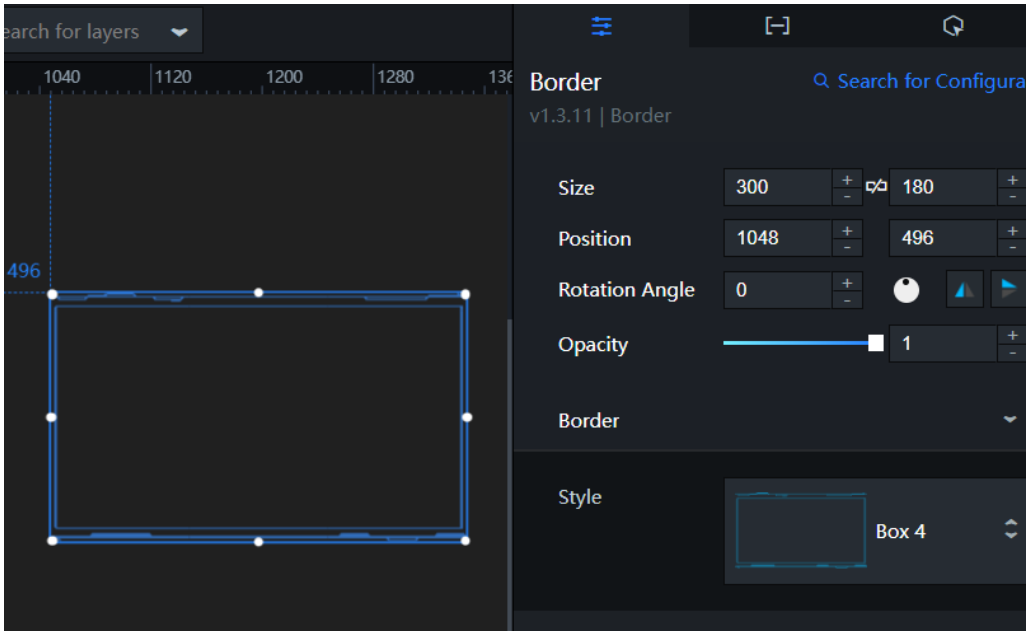
This widget is not connected to any events yet.

14.2. Border

The border widget allows you to add a border to one or more widgets.

Style

-
- **Border**: To set the border style, click the drop-down arrow next to **Style**, and select the target style. Currently, 11 styles are available.



Data

You do not need to configure data for this widget.

Interaction

This widget is not connected to any events yet.

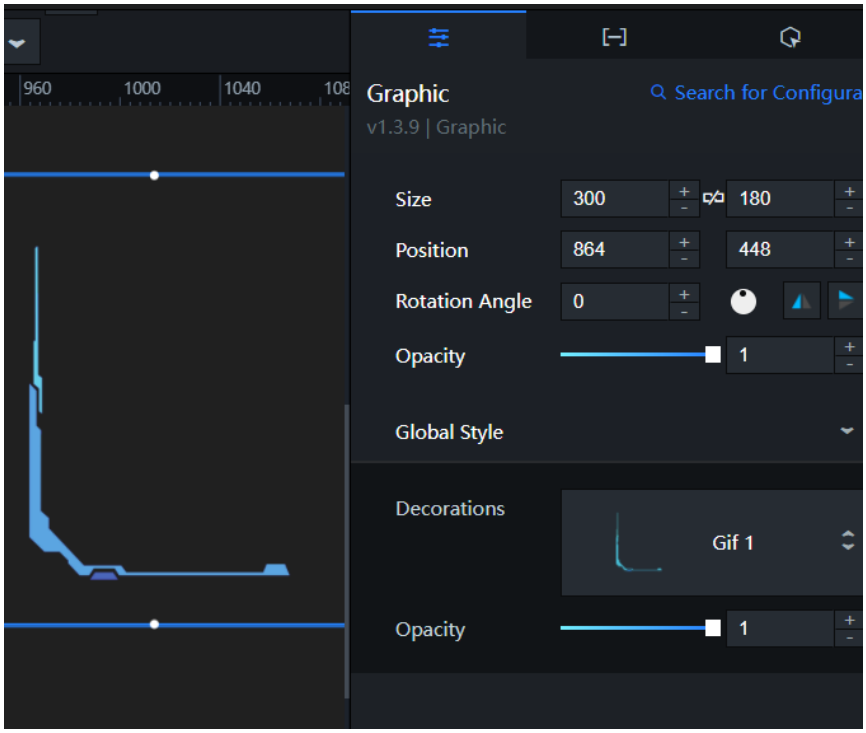
14.3. Decoration

The decoration widget allows you to add a decoration to one or more widgets.

Style

-
- **Global**

- **Decorations**: To add a decorative element for a widget, click the drop-down arrow and select the target element. Currently, 10 decorative elements are available.



- **Opacity**: To adjust the widget opacity, enter a value or click the drop-down arrow.

Data

You do not need to configure data for this widget.

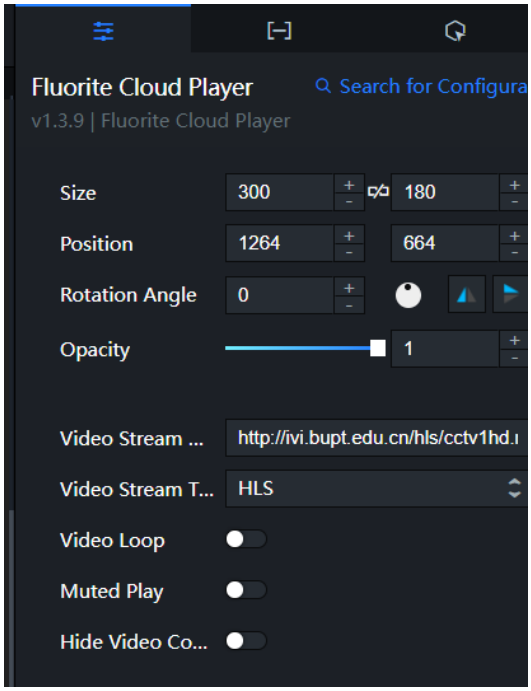
Interaction

This widget is not connected to any events yet.

14.4. Fluorite cloud player

A fluorite cloud player belongs to the Media category. It allows you to play videos with the original display aspect ratio in your project. RTMP and HLS video streams are supported. You can configure the video stream URL. This topic describes the configuration items of a fluorite cloud player.

Settings



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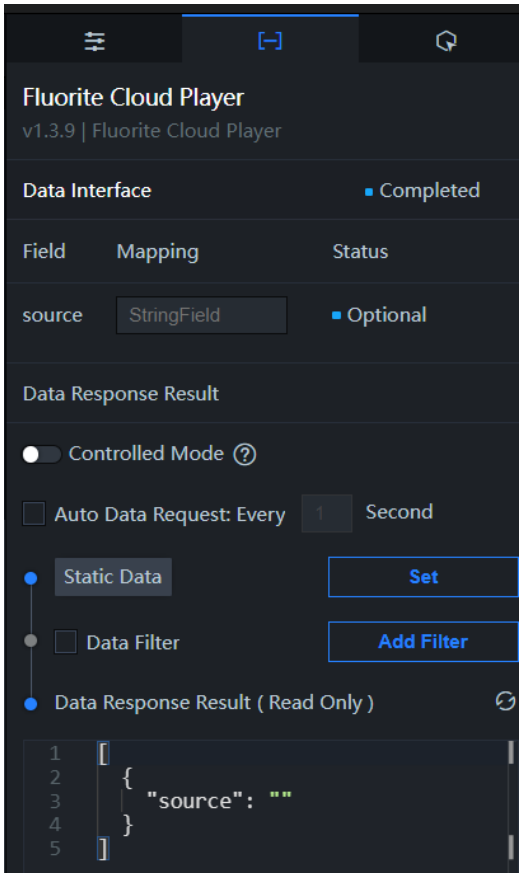
- **Video Stream URL**: the URL of the video stream. You can also configure the URL on the **Data** tab. The configuration on the Data tab takes effect in preference to the configuration on the Settings tab.
- **Video Stream Type**: the protocol of the video stream. Valid values: **RTMP** and **HLS**.

  > **Note** You must specify a video stream URL. However, the fluorite cloud player on a web page cannot be integrated based on client authentication. You can access the fluorite cloud platform to obtain the video stream URL.

- **Video Loop**: specifies whether to play the video on a continuous loop. If you turn off the switch, the video is played only once.
- **Muted Play**: specifies whether to play the video in mute mode.
- **Hide Video Controls**: specifies whether to hide the video control bar.

Data



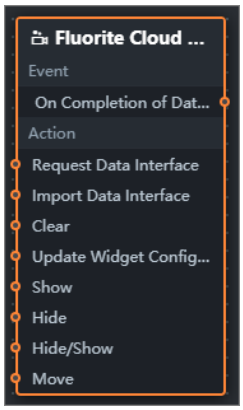
source: the URL of the video stream. This parameter is optional. It functions the same as the **Video Stream URL** parameter on the Settings tab. If you configure both parameters, this parameter takes effect in priority.

Interaction

This widget does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor, right-click the fluorite cloud player and select **Add to Blueprint Editor**.
2. Click the icon in the upper-left corner.
3. In the blueprint editor, click **Fluorite Cloud Player** in the Added Nodes pane. You can configure the parameters on the canvas.



- **Event**

  On Completion of Data Interface Request

After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Data Interface	This action uses data passed by another widget or a data processing node as parameters to request data from the server. For example, the fluorite cloud player uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Clear	This action clears the video stream URL and does not need parameter input. You can use this action to switch between videos or stop the video playback.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.
Mobile	This action moves the widget to a specified position. `{ // The type of position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

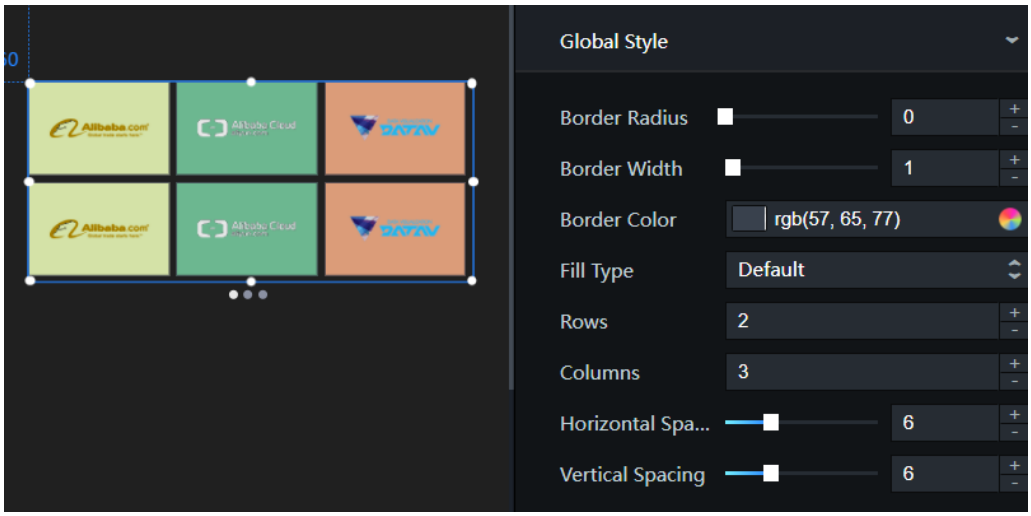
14.5. Logo wall

You can add one or more logo walls to a project to display different logos.

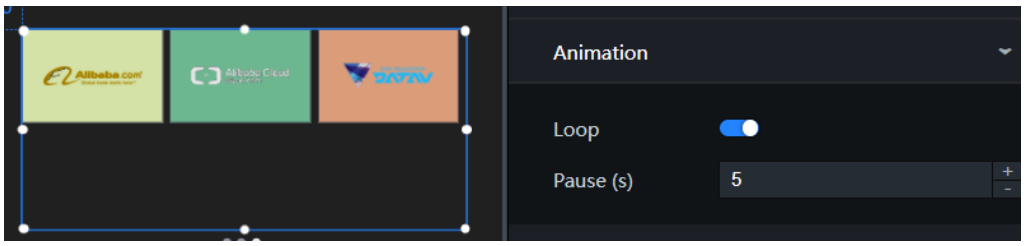
Style

-
- **Global**
  - **Border Radius**: To adjust the border radius of each logo, enter a value or drag the slider.
  - **Border Width**: To change the border width of each logo, enter a value or drag the slider.
  - **Border Color**: To set the border color of each logo, see Color picker.
  - **Fill Type**: To set the fill color type, click the drop-down arrow and select the target type. The fill color can be one of the following types: **default**, **contain**, and **stretch**.
  - **Row Number**: To adjust the number of rows on a wall, enter a value, or click **+** or **-**.
  - **Column Number**: To adjust the number of columns on a wall, enter a value, or click **+** or **-**.

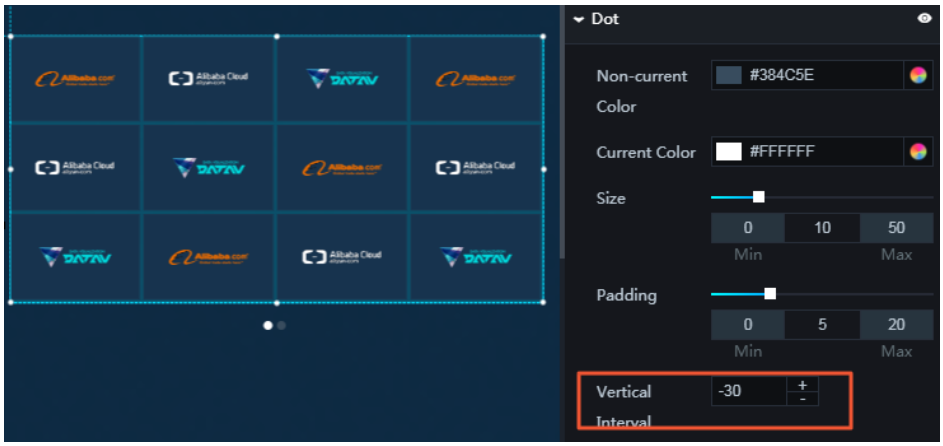
- **Horizontal Interval**: To adjust the horizontal spacing between the logos, enter a value or drag the slider.
- **Vertical Interval**: To adjust the vertical spacing between the logos, enter a value or drag the slider.



- **Animate**: You can customize the animation effect when multiple pages are displayed on the wall.
  - **Loop**: If you select this option, multiple pages on the wall are automatically displayed in a loop.
  - **Pause**: To change the time interval between the display of two pages, enter a value, or click + or -. The unit is seconds.
- **Dot**: You can set the dot style as needed. To display the dots, click the **Eye** icon next to **Dot**.



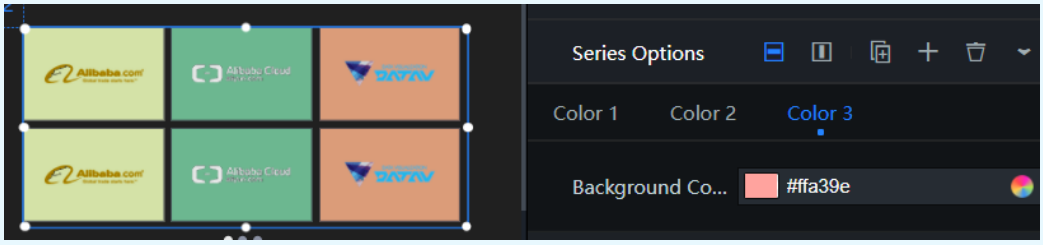
  - **Non-current Color**: To change the color of the dot corresponding to page that is not displayed, see Color picker.
  - **Current Color**: To change the color of the dot corresponding to page that is displayed, see Color picker.
  - **Size**: To adjust the dot size, enter a value or drag the slider.
  - **Padding**: To adjust the spacing between the dots, enter a value or drag the slider.
  - **Vertical Interval**: To adjust the spacing between the dots and the wall, enter a value, or click + or -. If the value is a positive number, the dots move upwards. If the value is a negative number, the dots move downwards.



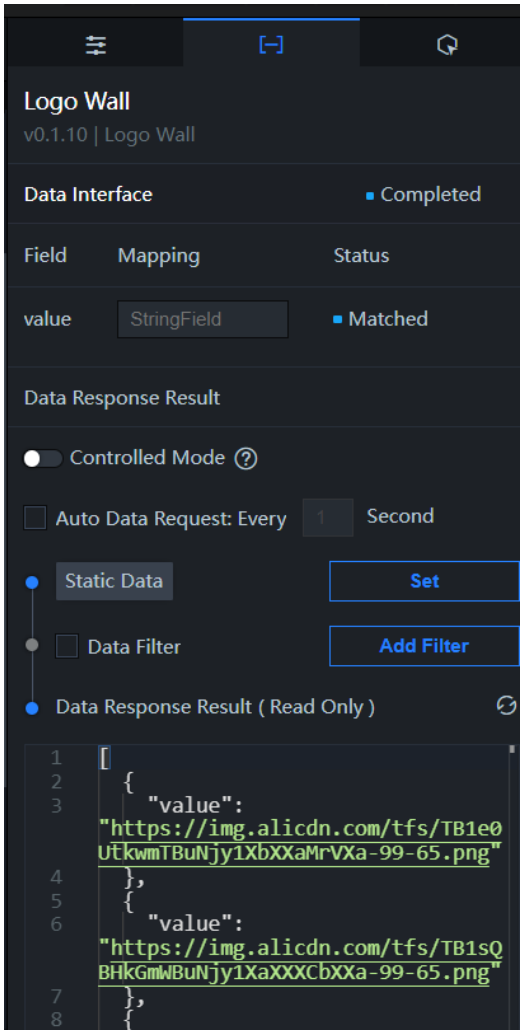
- **Background Color**: To add or delete a background color, click + or click the **Trash** icon.

  To change the background color of each logo, see Color picker.

Note If you add two or more background colors, DataV will distribute the colors among the logos evenly.



Data



value: URL of each logo on the wall. Cross-domain configuration is required. We recommend that you specify logo access through either HTTP or HTTPS. However, note that HTTPS access cannot be used for a logo with an HTTP URL.

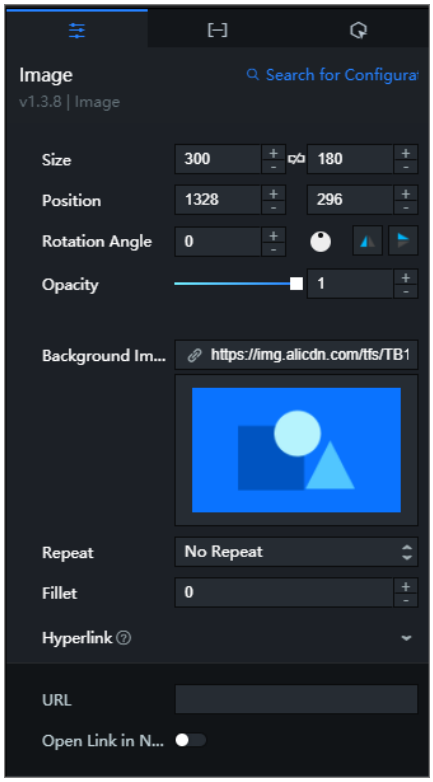
Interaction

This widget is not connected to any events yet.

14.6. Image

An image widget belongs to the Media category. It allows you to custom background images for projects and other widgets. When you configure an image widget, you can specify the source URL of an image and the destination URL that the image points to. This topic describes the configuration items of the image widget.

Settings



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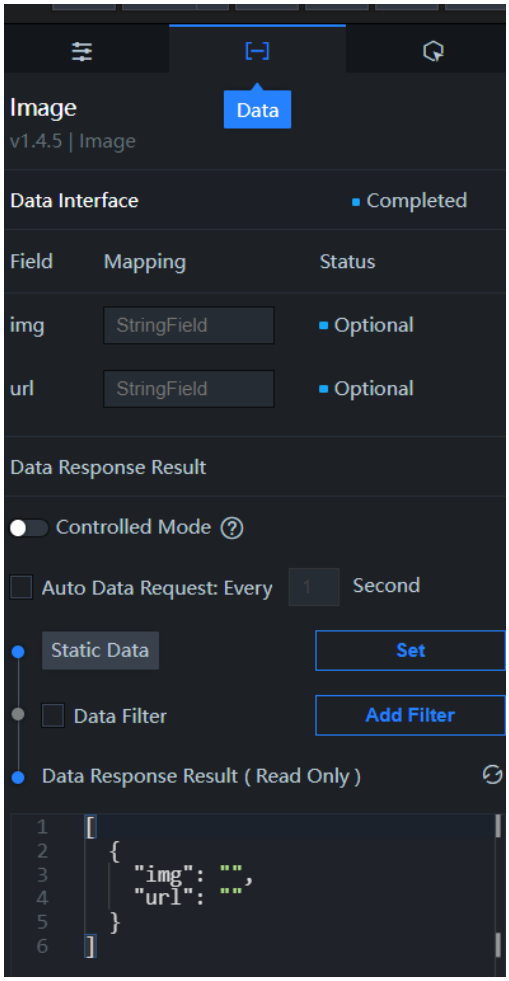
- **Background Image**: You can enter the source URL of the image or click **Change** in the image box to upload an image. You can also click Delete in the image box and click the image box to upload a new image. Alternatively, click the **Data** tab and enter the source URL of the background image in the img field. If you specify source URLs on both the **Settings** and **Data** tabs, the URL on the **Data** tab takes effect in priority.
- **Repeat**: the repetition pattern of the background image. Valid values: **No repeat**, **Repeat X and Y**, **Repeat X**, and **Repeat Y**.
- **Fillet**: the corner radius of the image. Valid value: 0 to 360. If the value is 0, the image is a rectangle. If the value is 360, the image is a circle.
- **Hyperlink**: the destination URL that the image points to. If you click the image widget on the preview or publish page, the image redirects you to the specified URL.

Parameter	Description
Hyperlink	You can specify the destination URL that the image points to on the Settings tab or in the url parameter on the **Data** tab. If you specify destination URLs on both the **Settings** and **Data** tabs, the **URL** on the **Data** tab takes effect in priority.
Open Link in New Tab	If you turn on the switch, after you click the background image, the URL is opened on a new page. Otherwise, the URL is opened on the current page.

Data



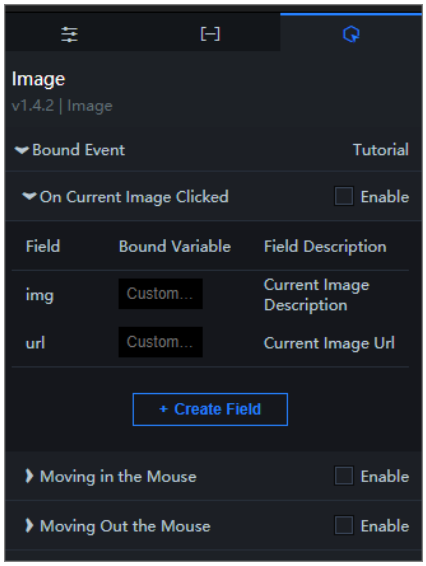
Sample code:

```
[
  {
    "img": "http://docs-aliyun.cn-hangzhou.oss.aliyun-inc.com/assets/pic/64800/cn_zh/1557279879979/datav.png",
    "url": "https://www.****.com"
  }
]
```

Parameters

Parameter	Description
img	Optional. The source URL of the background image. If you specify source URLs in both the Background Image parameter on the Settings tab and the img parameter on the Data tab, the URL in the **Background Image** parameter does not take effect. The URL in the **Background Image** parameter takes effect only when you leave the img parameter empty.
url	Optional. The destination URL that the image points to. If you specify destination URLs in both the Hyperlink parameter on the Settings tab and the url parameter on the Data tab, the URL in the **Hyperlink** parameter does not take effect. The URL in the **Hyperlink** parameter takes effect only when you leave the url parameter empty.

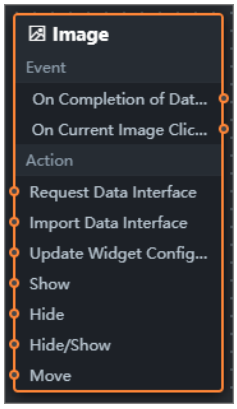
Interaction



Interaction event	Description
On Current Image Clicked	Select the **Enable** check box to enable this interaction event. When you click the image, a data request is triggered to pass callback IDs. This allows you to dynamically load image data. By default, the img and url parameters are passed. For more information, see Configure a callback ID.
Moving in the Mouse	Select the **Enable** check box to enable this interaction event. After you move the pointer over the image, a data request is triggered to pass callback IDs. This allows you to dynamically load image data. By default, the img and url parameters are passed. For more information, see Configure a callback ID.
Moving Out the Mouse	Select the **Enable** check box to enable this interaction event. After you move the pointer out of the image, a data request is triggered to pass callback IDs. This allows you to dynamically load image data. By default, the img and url parameters are passed. For more information, see Configure a callback ID.

Interaction configuration in the blueprint editor

1.
2.
3. In the blueprint editor, click **Image** in the Added Nodes pane. You can configure the image parameters on the canvas.



   - **Events**

Event	Description
On Completion of Data Interface Request	After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On Current Image Clicked	When you click the image, this event is triggered to pass image data.

Event	Description
Moving in the Mouse	When you move the pointer over the image, this event is triggered to pass image data.
Moving Out the Mouse	When you move the pointer out of the image, this event is triggered to pass image data.

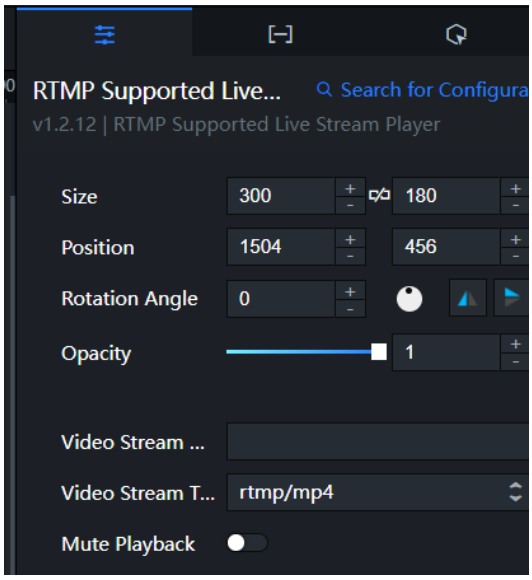
- **Actions**

Action	Description
Request Data Interface	This action uses data passed by another widget or a data processing node as parameters to request data from the server. For example, the image uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.
Move	This action moves the widget to a specified position. `{ // The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

14.7. RTMP supported live stream player

An RTMP supported live stream player belongs to the Media category. You can specify the URL and video type to play videos in your DataV project. The RTMP supported live stream player supports only RTMP video streams. This topic describes the configuration items of an RTMP supported video stream player.

Settings



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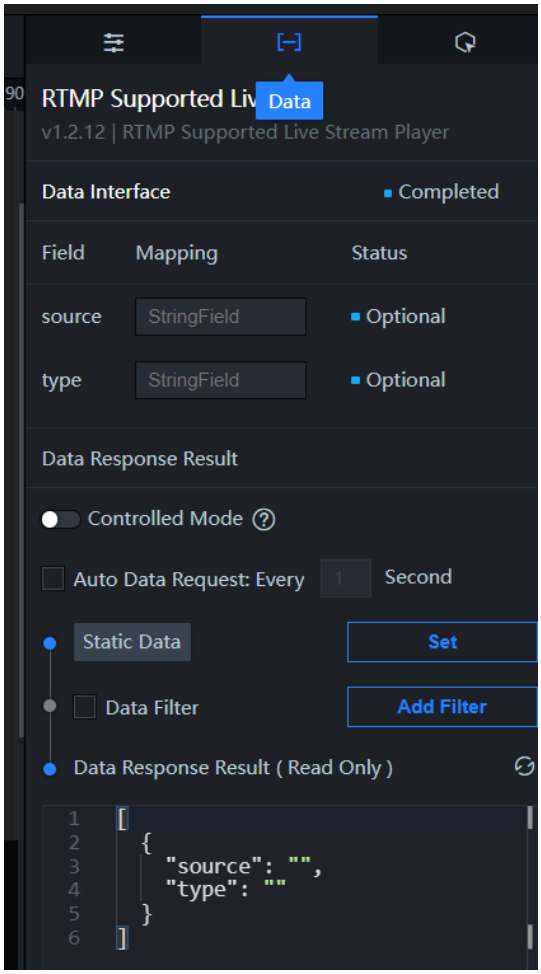
- **Video Stream URL**: the URL of the video stream.

  > Notice
  > - Only RTMP video streams are supported.
  > - You can configure video stream URLs and types on both the **Settings** and **Data** tabs. The URL and type on the **Data** tab takes effect in priority.

- **Video Stream Type**: the type of the video stream. Valid values: **rtmp/mp4** and **rtmp/flv**.
- **Mute Playback**: If you turn on the switch, the video is muted when you play it on the preview or publish page. If you turn off the switch, the video is normally played.

Data



Parameters

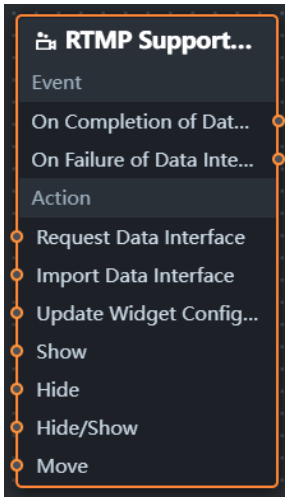
Parameter	Description
source	Optional. The URL of the video stream. This parameter functions the same as the **Video Stream URL** parameter. If this parameter and the Video Stream URL parameter are both configured, this parameter takes effect in priority.
type	Optional. The type of the video stream. This parameter functions the same as the **Video Stream Type** parameter. If this parameter and the Video Stream Type parameter are both configured, this parameter takes effect in priority.

Interaction

This widget does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor, right-click the RTMP supported live stream player and select **Add to Blueprint Editor**.
2. Click the icon in the upper-left corner.
3. In the blueprint editor, click **RTMP Supported Video Stream Player** in the Added Nodes pane. You can configure the parameters in the editor.



- **Event**

  On Completion of Data Interface Request

  After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Data Interface	This action uses data passed by another widget or a data processing node as parameters to request data from the server. For example, the RTMP supported video stream player uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from an API to render the widget and dose not request data from the server. For more information, see Example data.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.

Action	Description
Mobile	This action moves the widget to a specified position. `{ // The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

14.8. Image carousel

An image carousel widget belongs to the Media category. It allows you to rotate multiple images in a project. You can customize the images and animation in the image carousel widget. This topic describes the configuration items of the image carousel widget.

Settings

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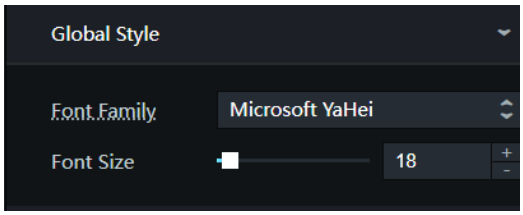
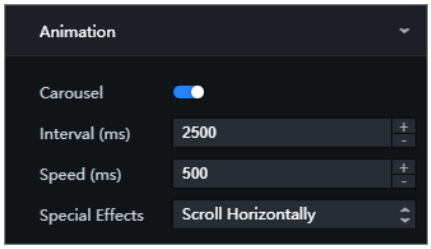
- **Global style**



Parameter	Description
Font Family	The font of the text in the image carousel widget. Select a font that is installed in your computer. Otherwise, the default font is used.

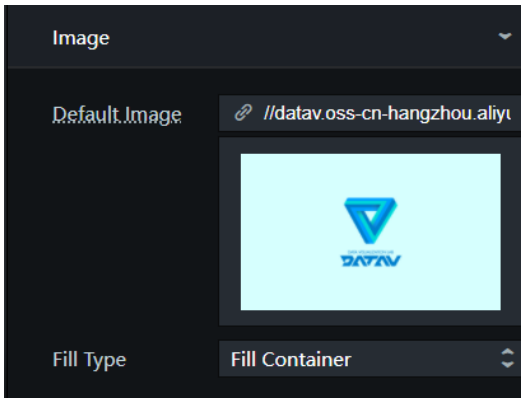
Parameter	Description
Font Size	The font size of the text in the image carousel widget. Valid value: 10 to 100.

- **Animation**



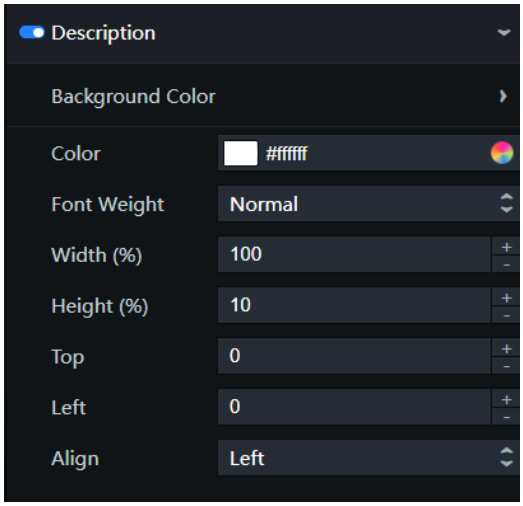
Parameter	Description
Carousel	Specifies whether to enable or disable automatic carousel.
Interval	The time interval to rotate the images. Unit: ms.
Speed	The duration of the animation. Unit: ms.
Special Effects	The animation effect. Valid values: **Scroll Horizontally**, **Scroll Vertically**, **Fade In and Out**, and **Mosaic**.

- **Image**



Parameter	Description
Default Image	The default image displayed in the image carousel widget. You can drag and drop an image to the box or enter the source URL of the image. To delete an image, move the pointer over the image box and click **Delete**.
Fill Type	The filling type of the image. Valid values: **Stretch to Fill Container**, **Fill Container**, and **Center**.

- **Description**: the description style of each image in the image carousel widget. You can click the icon to show or hide a description.

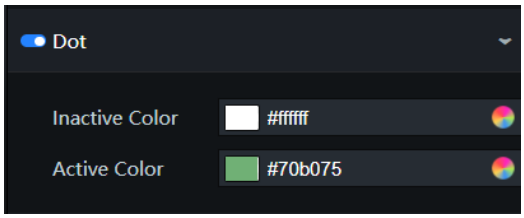


- **Background Color**: the background color of the description.

Parameter	Description
Fill Style	The color style of the description background. Valid values: **Gradient** and **Solid**.
Start Color	The start color of the background. For more information, see Color picker description. This parameter takes effect only when the **Fill Style** parameter is set to **Gradient**.
End Color	The end color of the background. This parameter takes effect only when the **Fill Style** parameter is set to **Gradient**.
Angle	The direction of the start and end gradient colors. This parameter takes effect only when the **Fill Style** parameter is set to **Gradient**.

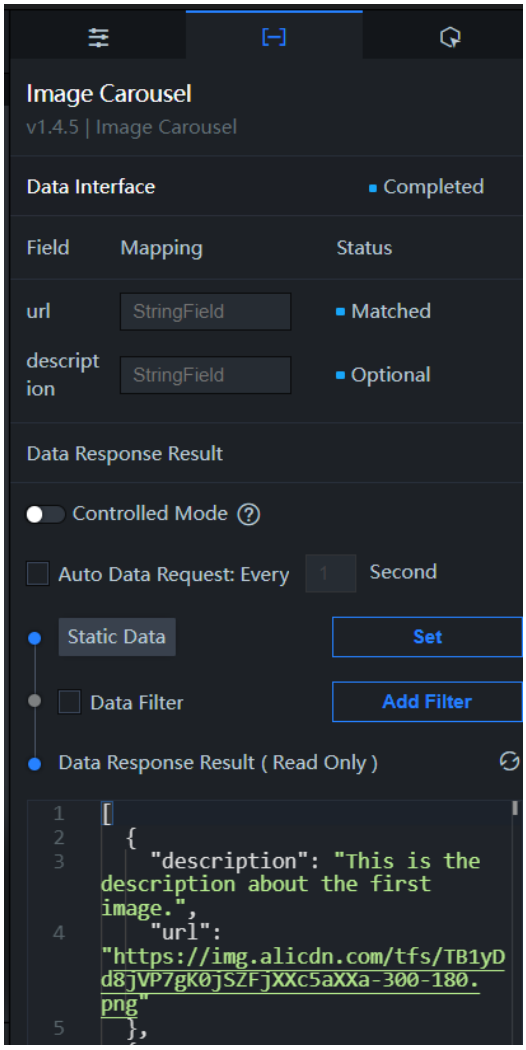
- **Color**: the color of the description text.
- **Font Weight**: the font weight of the description text.
- **Width (%)**: the percentage of the description width to the widget width.
- **Height (%)**: the percentage of the description height to the widget height.
- **Top**: the top padding of the description from the top border of the widget. Unit: pixels.
- **Left**: the left padding of the description from the left border of the widget. Unit: pixels.
- **Align**: the alignment of the description text. Valid values: **Left**, **Center**, and **Right**.

- **Dot**: the style of dots in the lower part of the image carousel widget. You can click the icon to show or hide the dots.



Parameter	Description
Inactive Color	The dot color of the images that are not in display.
Active Color	The dot color of the image that is in display.

Data



Sample code in the preceding figure:

```
[
  {
    "description": "This is the description of the first image.",
    "url": "//img.alicdn.com/tps/TB1PH6EPXXXXXXbaFXXXXXXXXXX-4001-2251.png"
  },
  {
    "description": "This is the description of the second image.",
    "url": "//img.alicdn.com/tps/TB10kzBPXXXXXXaaFXXXXXXXXXX-4001-2251.png"
  }
]
```

Parameters

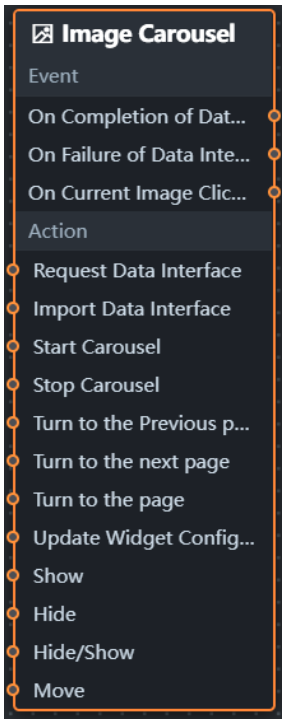
Parameter	Description
url	The source URL of an image. This parameter functions the same as the **Default Image** parameter in the **Image** field. If this parameter and the Default Image parameter are both configured, this parameter takes effect. **Note** You must configure cross-origin access for the image. If you do not specify the protocol, for example, //img.alicdn.com/tps/TB1PH6EPXXXXXXbaFXXXXXXXXXX-4001-2251.png, DataV uses the protocol of the project to request the image.
description	Optional. The description of the image.

Interaction

Select the **Enable** check box to enable the interaction event. When you click an image, a data request is triggered to pass callback IDs. This allows you to dynamically load data of the image carousel widget. By default, the description and url parameters are passed. For more information, see Configure a callback ID.

Interaction configuration in the blueprint editor

1. In the canvas editor, right-click the image carousel widget and select **Add to Blueprint Editor**.
2. Click the icon in the upper-right corner.
3. In the blueprint editor, click **Image Carousel** in the Added Nodes pane. You can configure the parameters in the editor.



- **Events**

Event	Description
On Completion of Data Interface Request	After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On Current Image Clicked	When you click an image, this event is triggered to pass the description and URL of the image.

- **Actions**

Action	Description
Request Data Interface	This action uses data passed by another widget or the data processing node as parameters to request data from the server. For example, the image carousel widget uses the API data source `http://api.test`, and the data passed to the **Request Data Interface** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.

Action	Description

Start Carousel	This action starts to rotate the images. Example:
	``json
	{
	// The sequence number of an image in the data source. By default, the value starts from 0.
	"index": 0
	}
	``

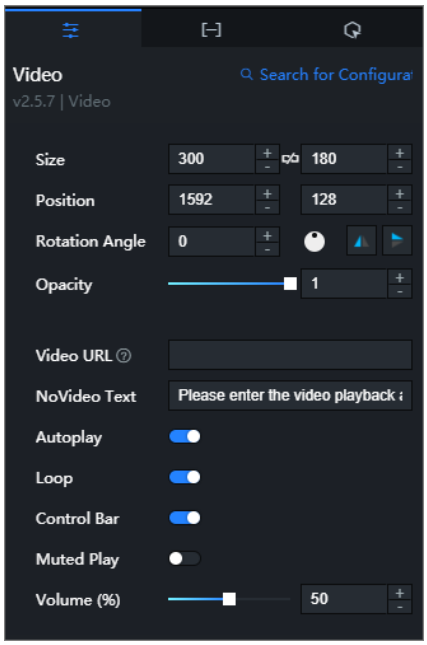
Stop Carousel	This action stops rotating the images and does not need parameter input.
Turn to the Previous page	This action displays the previous image based on the sequence number of the current image and does not need parameter input.
Turn to the next page	This action displays the next image based on the sequence number of the current image and does not need parameter input.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.

Move	This action moves the widget to a specified position.
	{
	// The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to.
	"positionType": "to",
	// The position that consists of the x and y coordinates.
	"attr": {
	"x": 0,
	"y": 0
	},
	// The animation settings.
	"animation": {
	"enable": false,
	// The animation duration.
	"animationDuration": 1000,
	// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.
	"animationEasing": "linear"
	}
	}

14.9. Video

A video widget belongs to the Media category. It allows you to play videos of the mp4 format in your DataV project. You can configure the video URL, playback settings, and appearance of the player. This topic describes the configuration items of the video widget.

Settings



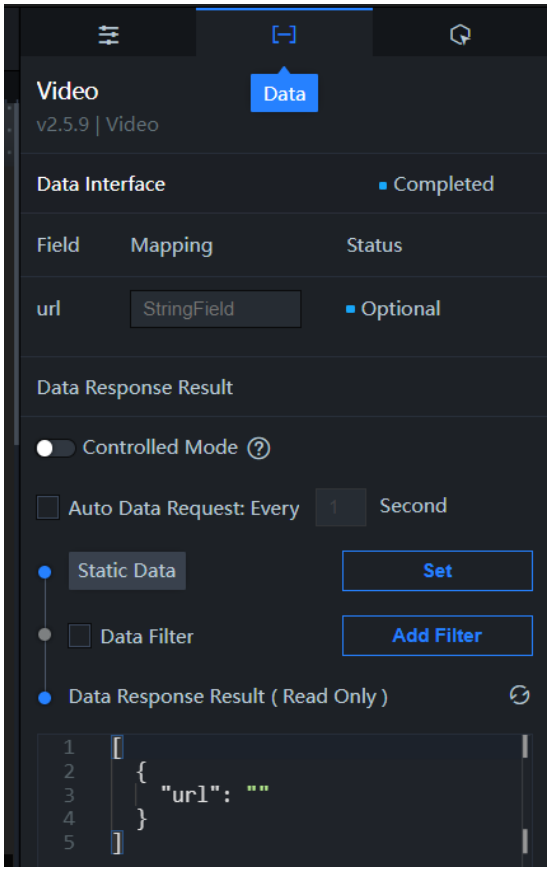
-
-
-
-
-

- **Video URL**: the URL of the mp4 video, for example, xx.test.com/video.mp4. You can also configure the URL on the **Data** tab. The configuration on the Data tab takes effect in preference to the configuration on the Settings tab.
- **NoVideo Text**: the reminder text to be displayed if no video is specified. The text appears on the top of the video widget.
- **Autoplay**: specifies whether to automatically play the video on the preview or publish page.

  > Notice
  > - If the version of your Google Chrome is earlier than v66, you must turn on the switch and perform the following operation to enable autoplay. For more information, see Autoplay Policy Changes.
  >
  >   In the browser address bar, enter **chrome://flags/#autoplay-policy** and press Enter. Then, set **Autoplay policy** to **No user gesture is required**.
  > - If you use Google Chrome v66 or later, the video is automatically played in mute mode by default.

- **Loop**: specifies whether to play the video on a continuous loop on the preview or publish page.
- **Control Bar**: specifies whether to display a control bar on the lower part of the preview or publish page.
- **Muted Play**: specifies whether to play the video in mute mode.
- **Volume (%)**: the sound volume to play the video. You can drag the control bar to adjust the volume in the project. This parameter takes effect only when you turn off the **Muted Play** switch.

Data



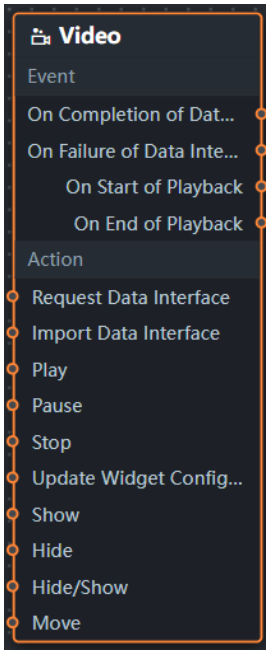
url: the URL of the video. This parameter is optional. It functions the same as the **Video URL** parameter on the Settings tab. If you configure both parameters, this parameter takes effect in priority.

Interaction

This widget does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor, right-click the video widget and select **Add to Blueprint Editor**.
2. Click the icon in the upper-left corner.
3. In the blueprint editor, click **Video** in the Added Nodes pane. You can configure the parameters on the canvas.



- **Events**

Event	Description
On Completion of Data Interface Request	After data is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On Start of Playback	When the video starts to play, this event is triggered.
On End of Playback	When the video playback stops, this event is triggered.

- **Actions**

Action	Description
Request Data Interface	This action uses data passed by another widget or a data processing node as parameters to request data from the server. For example, the video widget uses the API data source `http://api.test` , and the data passed to the **Request Data Interface** action is `{ id: '1'}` . As a result, the `http://api.test? id=1` API is called to request data.
Import Data Interface	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Play	This action starts to play the video and does not need parameter input.
Pause	This action pauses the video playback and does not need parameter input.
Stop	This action stops the video playback and does not need parameter input.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.
Show/Hide	This action shows or hides the widget.

Action	Description

Mobile	This action moves the widget to a specified position.
	`{`
	`// The type of position. Valid values: to (absolute position) and by (relative position). Default value: to.`
	`"positionType": "to",`
	`// The position that consists of the x and y coordinates.`
	`"attr": {`
	`"x": 0,`
	`"y": 0`
	`},`
	`// The animation settings.`
	`"animation": {`
	`"enable": false,`
	`// The animation duration.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`}`
	`}`

15.Other

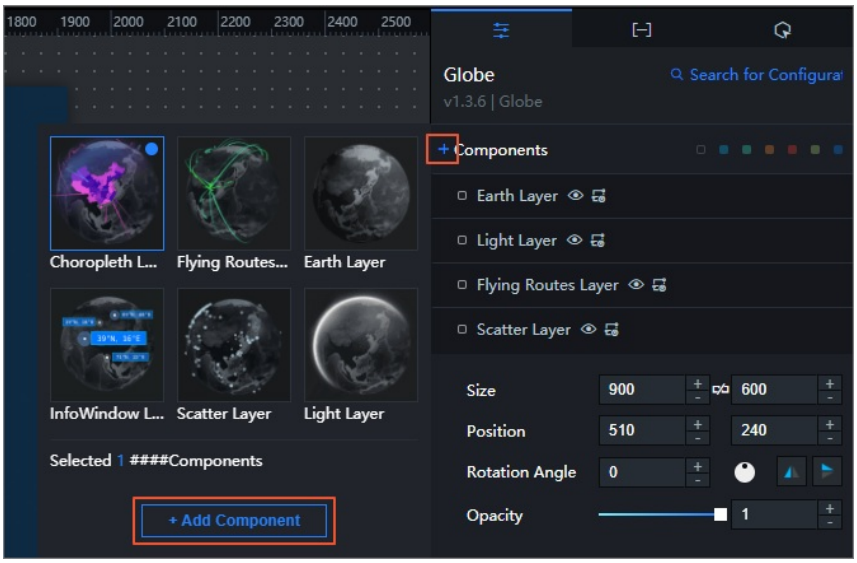
15.1. 3D globe widget and its components

15.1.1. 3D globe

The 3D globe widget provides a container for its components. This widget allows you to present multiple types of global geographic information in the 3D format from different viewpoints. You can add components such as the earth layer and flying routes layer, and configure the rendering mode, background, and camera viewpoint. This topic describes the configuration items of the 3D globe widget.

Settings

- **Components**
  - Add a component.
    a. In the canvas editor, click the globe widget and go to the **Settings** tab.
    b. Click the + icon on the left of **Components**.
    c. Select one or more components and click **Add Component**.
    After a component is added, it appears under **Components**.



    d. Click an added component and configure its parameters.
    e. After the configuration is complete, click the < icon to go back to the Settings tab of **Globe** and configure other components.
  - Copy, edit, or delete a component: Move the pointer over the component and click the
    icon to copy the component. Click the
    icon to edit the component. Click the
    icon to delete the component.

- **Global Options**
  - **Camera Rotation**

Parameter	Description
Horizontal	The longitude of the camera viewpoint on the Earth.
Vertical	The latitude of the camera viewpoint on the Earth.

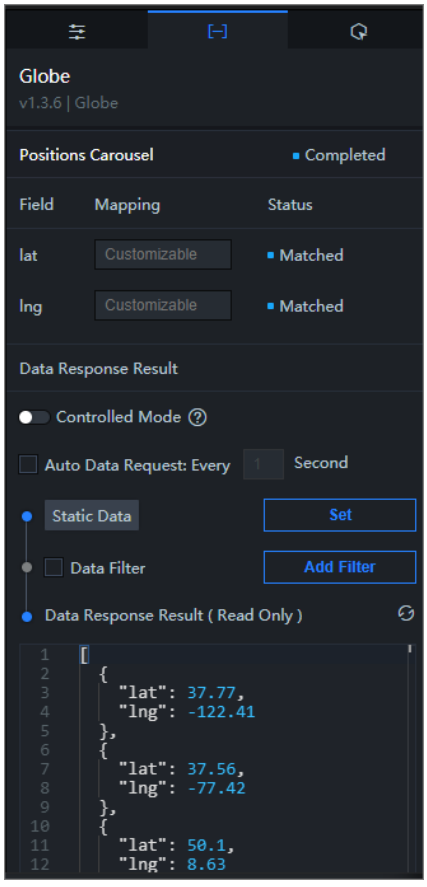
  - **Camera Center**: the offset of the Earth relative to the x, y, and z axes.
  - **Camera Distance**: the distance between the camera and the Earth. The Earth becomes smaller if you increase the value.
  - **Auto Rotation Speed**: the rotation speed of the Earth. Valid values: 0 to 1. If the value is 0, the rotation stops.
  - **Map Interaction**: specifies whether to enable map interaction. If you enable map interaction, you can drag, zoom in, and zoom out the map on the preview or publish page.
  - **Carousel Options**

Parameter	Description
Carousel	Specifies whether to rotate the longitudes and latitudes configured on the Data tab in sequence.
Duration	The time required for the animation to switch from one pair of longitude and latitude to another.
Delay	The duration for which the animation remains on one pair of longitude and latitude.

Data

The Data tab of a 3D globe widget contains **Positions Carousel** and **Data Response Result**.

In the **Positions Carousel** section, you can configure the lat and lng parameters.



Sample code in the preceding figure:

```
[
  {
    "lat": 37.77,
    "lng": -122.41
  },
  {
    "lat": 37.56,
    "lng": -77.42
  },
  {
    "lat": 50.1,
    "lng": 8.63
  },
  {
    "lat": 1.58,
    "lng": 103.79
  },
  {
    "lat": 22.27,
    "lng": 114.16
  },
  {
    "lat": 39.9,
    "lng": 116.4
  },
  {
    "lat": 31.23,
    "lng": 121.47
  },
  {
    "lat": 35.17,
    "lng": 134.03
  },
  {
    "lat": -35.38,
    "lng": 149.25
  }
]
```

Parameters

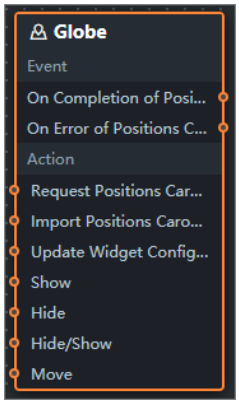
Parameter	Description
lat	The latitude of a location.
lng	The longitude of a location.

Interaction

This widget does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor, right-click the 3D globe widget and select **Add to Blueprint Editor**.
2. Click the icon in the upper-left corner of the page.
3. In the blueprint editor, click **3D Globe** in the Added Nodes pane. You can configure parameters of the widget on the canvas.



- **Event**

  On Completion of Positions Carousel Request

  After data of the 3D globe widget is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Positions Carousel	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the 3D globe widget uses the API data source `http://api.test`, and the data passed to the **Request Positions Carousel** action is `{ id: '1' }`. As a result, the `http://api.test?id=1` API is called to request data.
Import Positions Carousel	This action imports data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Update Widget Configurations	This action dynamically updates the style configurations of the widget. You must click **Copy Configurations to Clipboard** on the **Settings** tab in the canvas editor. Then, paste the data to the box of a data processing node in the blueprint editor and configure the field values.
Show	This action shows the widget and does not need parameter input.
Hide	This action hides the widget and does not need parameter input.

Action	Description

Hide/Show	This action shows or hides the widget. Example:
	`{`
	`// true: shows the widget. false: hides the widget.`
	`"status": true,`
	`// The show animation settings.`
	`"animationIn": {`
	`// The animation type. Valid value: fade. If you leave this parameter empty, no animation is configured.`
	`"animationType": "fade",`
	`// The animation duration, in ms.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`},`
	`// The hide animation settings.`
	`"animationOut": {`
	`// The animation type. Valid value: fade. If you leave this parameter empty, no animation is configured.`
	`"animationType": "fade",`
	`// The animation duration, in ms.`
	`"animationDuration": 1000,`
	`// The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo.`
	`"animationEasing": "linear"`
	`}`
	`}`

Action	Description
Move	This action moves the widget to a specified position. Example: `{ // The type of the position. Valid values: to (absolute position) and by (relative position). Default value: to. "positionType": "to", // The position that consists of the x and y coordinates. "attr": { "x": 0, "y": 0 }, // The animation settings. "animation": { "enable": false, // The animation duration. "animationDuration": 1000, // The animation effect. Valid values: linear, easeInOutQuad, and easeInOutExpo. "animationEasing": "linear" } }`

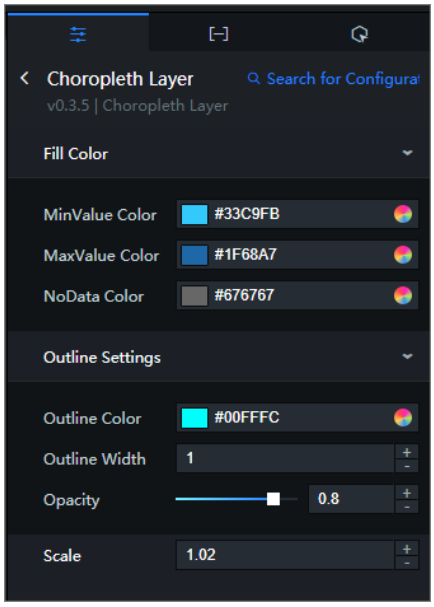
15.1.2. Choropleth layer

The choropleth layer is a component of the 3D globe widget. It allows you to display regional geographic information in the 3D globe widget. You can configure the style and data of the choropleth layer to present boundary data of the GeoJSON format and render the map of a region. This topic describes the configuration items of the choropleth layer.

Click **Choropleth Layer** under **Components**. The Settings tab of **Choropleth Layer** appears.

> **Note** If **Components** does not contain **Choropleth Layer**, add the **Choropleth Layer** component. For more information, see 3D globe.

Settings



-
- **Fill color**: the color settings of the choropleth layer.

Parameter	Description
MinValue Color	The color of the region that has the smallest value on the Data tab . For more information, see Color picker.
MaxValue Color	The color of the region that has the largest value on the Data tab.
NoData Color	The color of regions that do not have data. If you have not configured the adcode parameter for a region on the Data tab, **NoData Color** takes effect for this region.

- **Outline Settings**

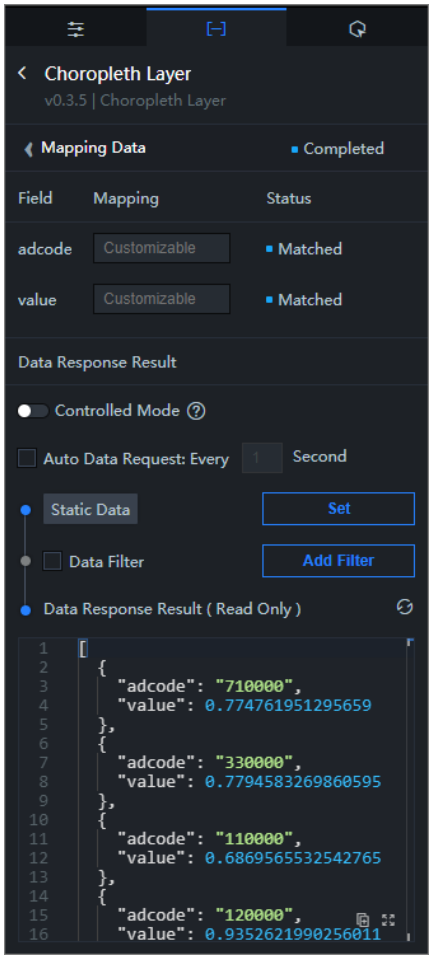
Parameter	Description
Outline Color	The color of region boundary lines.
Outline Width	The width of region boundary lines.
Opacity	The opacity of region boundary lines.

- **Scale**: the ratio of the choropleth layer to the radius of the 3D globe. The larger the value, the farther the choropleth layer is from the center of the 3D globe. Valid value: 0.8 to 1.5. If the value is 1, the choropleth layer is aligned with the surface of the 3D globe.

Data

The Data tab of the choropleth layer contains **Mapping Data** and **Geographical Boundaries**.

- **Mapping Data**



Sample code in the preceding figure:

```
[
  {
    "adcode": "710000",
    "value": 0.774761951295659
  },
  {
    "adcode": "330000",
    "value": 0.7794583269860595
  },
  {
    "adcode": "110000",
    "value": 0.6869565532542765
  },
  {
    "adcode": "120000",
    "value": 0.9352621990256011
  },
  {
    "adcode": "130000",
    "value": 0.8719353775959462
  },
  {
    "adcode": "140000",
    "value": 0.20899744261987507
  },
  {
    "adcode": "150000",
    "value": 0.22816960071213543
  },
  {
    "adcode": "210000",
    "value": 0.8665573971811682
  },
  {
    "adcode": "220000",
    "value": 0.8985264701768756
  }
]
```


Parameters

Parameter	Description
adcode	The code of a region.
value	The value of a region. **MaxValue Color**, **MinValue Color**, **NoData Color** of the choropleth layer are rendered based on this parameter. **Note** DataV obtains the ranges of region values based on the value parameter and determines color gradient from the maximum value to the minimum value.

- **Geographical Boundaries**: You can customize geographical boundary data in the GeoJSON format to define a region at the choropleth layer. For more information about the GeoJSON format and how to obtain data, see Map data format.

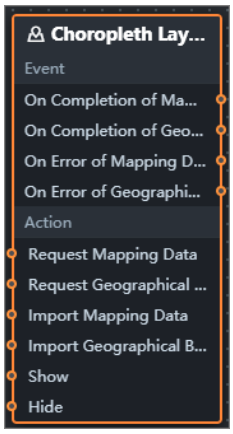
Interaction

This component does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor of the 3D globe widget, click the icon next to **Choropleth Layer** under **Components**.
2. Click the icon in the upper-left corner of the page.
3. In the blueprint editor, click **Choropleth Layer** in the Added Nodes pane. You can configure parameters of the choropleth

layer on the canvas.



- **Events**

Event	Description
On Completion of Geographical Boundaries Request	After data of the geographical boundaries is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.
On Completion of Mapping Data Request	After data of the regions is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Mapping Data	This action takes parameters passed by an upstream data processing node or widget and requests region data from the server. For example, the choropleth layer uses the API data source `http://api.test`, and the data passed to the **Request Mapping Data** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Request Geographical Boundaries	This action takes parameters passed by an upstream data processing node or widget and requests geographical boundary data from the server. For example, the choropleth layer uses the API data source `http://api.test`, and the data passed to the **Request Geographical Boundaries** action is `{ id: '1'}`. As a result, the `http://api.test?id=1` API is called to request data.
Import Mapping Data	This action imports region data from the API to render the component and dose not request data from the server. For more information, see Example data.
Import Geographical Boundaries	This action imports geographical boundary data from the API to render the widget and dose not request data from the server. For more information, see Example data.
Show	This action shows the component and does not need parameter input.
Hide	This action hides the component and does not need parameter input.

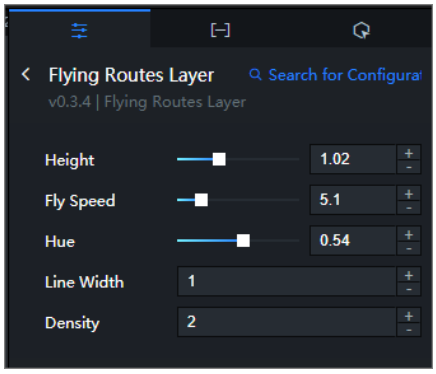
15.1.3. Flying routes layer

The flying routes layer is a component of a 3D globe widget. It allows you to present origin-destination data, such as of logistics and transactions, in the format of lines called flying routes. You can configure the speed, height, hue, start latitude/longitude, and end latitude/longitude of a flying route. This topic describes the configuration items of the flying routes layer.

Click **Flying Routes Layer** under **Components**. The Settings tab of **Flying Routes Layer** appears.

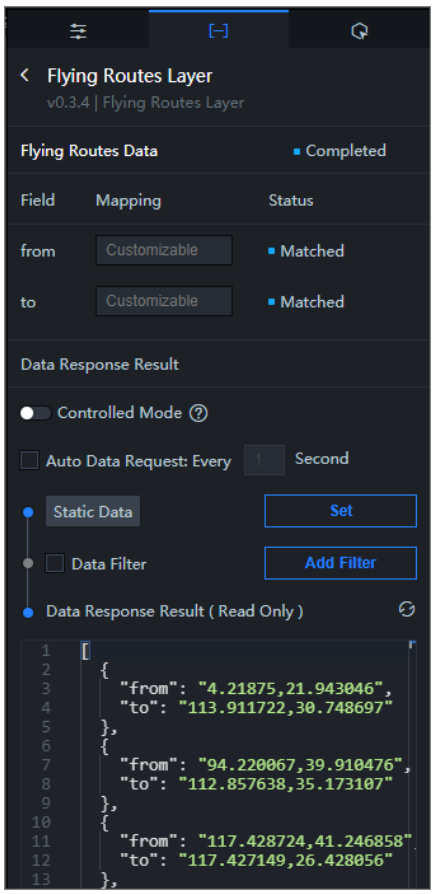
> **Note** If **Components** does not contain **Flying Routes Layer**, add the **Flying Routes Layer** component. For more information, see 3D globe.

Settings



-
- **Height**: the height of the flying routes layer from the 3D globe.
- **Fly Speed**: the flying speed of the routes.
- **Hue**: the hue of the flying routes.
- **Line Width**: the weight of the flying routes.
- **Density**: the density of the flying routes.

Data



Sample code in the preceding figure:

```
[
  {
    "from": "4.21875,21.943046",
    "to": "113.911722,30.748697"
  },
  {
    "from": "94.220067,39.910476",
    "to": "112.857638,35.173107"
  },
  {
    "from": "117.428724,41.246858",
    "to": "117.427149,26.428056"
  },
  {
    "from": "135.005796,35.746795",
    "to": "114.966156,31.351459"
  },
  {
    "from": "128.678669,47.042308",
    "to": "114.614653,33.13559"
  },
  {
    "from": "37.265625,3.162456",
    "to": "114.614395,30.142406"
  },
  {
    "from": "72.421875,45.828799",
    "to": "100.899788,34.014409"
  },
  {
    "from": "-98.789063,38.548165",
    "to": "115.669547,34.01474"
  },
  {
    "from": "-103.359375,54.572062",
    "to": "0.703125,47.517201"
  },
  {
    "from": "-98.4375,40.979898",
    "to": "-3.164063,53.956086"
  },
  {
    "from": "138.164063,-23.563987",
    "to": "114.61447,31.050538"
  }
]
```

Parameters

Parameter	Description
from	The start longitude and latitude of a flying route. Separate the longitude and latitude with a comma (,).
to	The end longitude and latitude of a flying route. Separate the longitude and latitude with a comma (,).

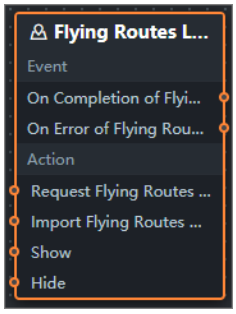
Interaction

This component does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor of the 3D globe widget, click the  icon next to **Flying Routes Layer** under **Components**.
2. Click the  icon in the upper-left corner of the page.
3. In the blueprint editor, click **Flying Routes Layer** in the Added Nodes pane. You can configure parameters of the flying routes

layer on the canvas.



- **Event**

  On Completion of Flying Routes Data Request

  After data of the flying routes layer is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Flying Routes Data	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the flying routes layer uses the API data source `http://api.test`, and the data passed to the **Request Flying Routes Data** action is `{ id: '1'}`. As a result, the `http://api.test?id=1` API is called to request data.
Import Flying Routes Data	This action imports data from the API to render the flying routes layer and dose not request data from the server. For more information, see Example data.
Show	This action shows the component and does not need parameter input.
Hide	This action hides the component and does not need parameter input.

15.1.4. Earth layer

The earth layer is a component of the 3D globe widget. You can configure the style of the map and atmosphere layer. This topic describes the configuration items of the earth layer.

Click **Earth Layer** under **Components**. The Settings tab of **Earth Layer** appears.

> **Note** If **Components** does not contain **Earth Layer**, add the **Earth Layer** component. For more information, see 3D globe.

Settings

-
- **Earth**: the style of the map.

  Map Type: the type of the map, which determines the style of the map. Valid values: **Terrain**, **Satellite**, **Particle**, **Administrative Regions**, and **Customization**. You can configure **Scale**, **Asperity Degree**, **Map Color**, **Floodlight Color**, and **Highlight Color** for each map type.
- **Atmosphere Layer**: the style of the atmosphere layer.

Parameter	Description
Show Atmosphere	Specifies whether to show the atmosphere layer.
Color	The color of the atmosphere layer.
Scale	The ratio of the atmosphere layer to the radius of the 3D globe. The larger the scale value, the larger the atmosphere layer. If the scale value is 1, the atmosphere overlaps the globe surface. Valid values: 0.9 to 1.5.

Data

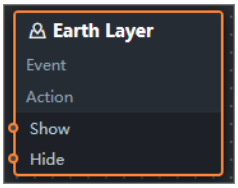
This component does not support data configuration.

Interaction

This component does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor of the 3D globe widget, click the  icon next to **Earth Layer** under **Components**.
2. Click the  icon in the upper-left corner of the page.
3. In the blueprint editor, click **Earth Layer** in the Added Nodes pane. You can configure parameters of the earth layer on the canvas.



   - **Event**: The earth layer does not support events.
   - **Actions**

Action	Description
Show	This action shows the component and does not need parameter input.
Hide	This action hides the component and does not need parameter input.

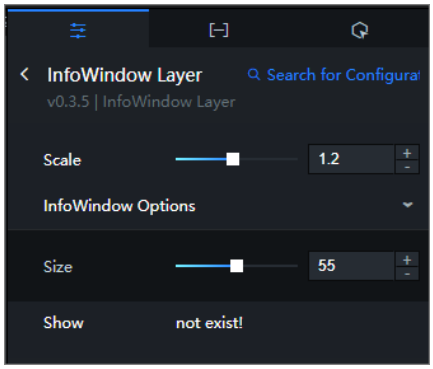
15.1.5. InfoWindow layer

An InfoWindow layer is a component of the 3D globe widget. It allows you to display geographical details in your DataV project. You can configure the style and data of an info window, including the size, color, content, longitude, and latitude. This topic describes the configuration items of the InfoWindow layer.

Click **InfoWindow Layer** under **Components**. The Settings tab of **InfoWindow Layer** appears.

> **Note** If **Components** does not contain **InfoWindow Layer**, add the **InfoWindow Layer** component. For more information, see 3D globe.

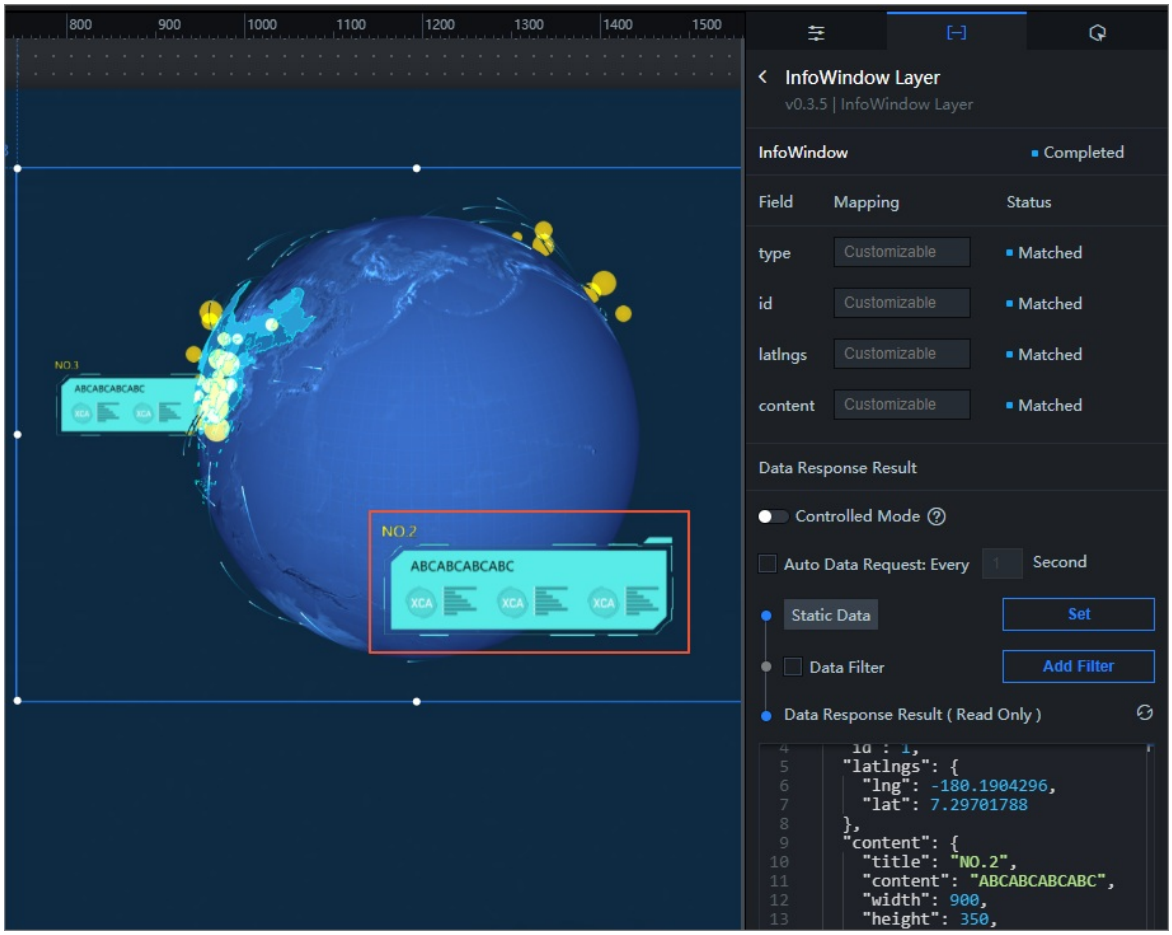
Settings



- **Scale**: the distance between the InfoWindow layer and the globe.
- **InfoWindow Options**

  Size: the size of the InfoWindow layer.

Data



Sample code in the preceding figure:

```
[
  {
    "type": "dom",
    "id": 1,
    "latlngs": {
      "lng": -180.1904296,
      "lat": 7.29701788
    },
    "content": {
      "title": "NO.2",
      "content": "This is the content of an info window.",
      "width": 900,
      "height": 350,
      "paddingLeft": 90,
      "paddingRight": 60,
      "paddingTop": 110,
      "titleFontSize": 45,
      "titleColor": "#fbf320",
      "contentColor": "#000",
      "contentFontSize": 40,
      "fontFamily": "Microsoft Yahei, serif",
      "bgImgUrl": "https://img.alicdn.com/tps/TB1bymmOFXXXXaxXpXXXXXXXXXX-2201-753.png"
    }
  },
  {
    "type": "dom",
    "id": 2,
    "latlngs": {
      "lng": -20.83203125,
      "lat": 13.94426488
    },
    "content": {
      "title": "NO.1",
      "content": "This is the content of an info window.",
      "width": 900,
      "height": 350,
      "paddingLeft": 90,
      "paddingRight": 60,
      "paddingTop": 110,
      "titleFontSize": 45,
      "titleColor": "#fbf320",
      "contentColor": "#000",
      "contentFontSize": 40,
      "fontFamily": "Microsoft Yahei, serif",
      "bgImgUrl": "https://img.alicdn.com/tps/TB1bymmOFXXXXaxXpXXXXXXXXXX-2201-753.png"
    }
  }
]
```

Parameters

Parameter	Description
type	The type of an info window.
id	The ID of an info window.
latlngs	The latitude and longitude where an info window is located.

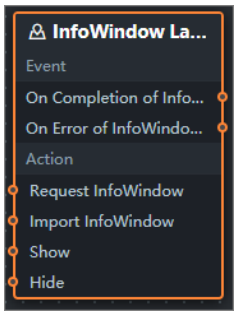
Parameter	Description
content	The information displayed in an info window, which contains the following fields: • title: the title of an info window. • content: the content of an info window. • width: the width of an info window. Unit: pixels. • height: the height of an info window. Unit: pixels. • paddingLeft: the space between the content and the left border of an info window. Unit: pixels. • paddingRight: the space between the content and the right border of an info window. Unit: pixels. • paddingTop: the space between the content and the top border of an info window. Unit: pixels. • titleFontSize: the font size of the title. • titleColor: the color of the title. • contentColor: the color of the content. • contentFontSize: the font size of the content. • fontFamily: the font of the title and content. Specify a font that is installed on your operating system. If the specified font is not installed, the default font is used. • bgImgUrl: the URL of the background image.

Interaction

This component does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor of the 3D globe widget, click the  icon next to **InfoWindow Layer** under **Components**.
2. Click the  icon in the upper-left corner of the page.
3. In the blueprint editor, click **InfoWindow Layer** in the Added Nodes pane. You can configure parameters of the InfoWindow layer on the canvas.



- **Event**

  On Completion of InfoWindow Request: After data of the InfoWindow layer is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request InfoWindow	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the InfoWindow layer uses the API data source `http://api.test`, and the data passed to the **Request InfoWindow** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import InfoWindow	This action imports data from the API to render the InfoWindow layer and dose not request data from the server. For more information, see Example data.
Show	This action shows the component and does not need parameter input.
Hide	This action hides the component and does not need parameter input.

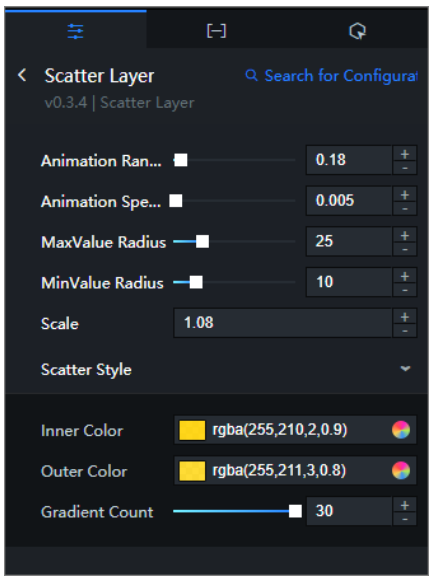
15.1.6. Scatter layer

The scatter layer is a component of the global 3D widget. It allows you to present geographical information by using scattered dots. You can configure the style and data of the scatter layer, including the dot size, color, latitude, and longitude. This topic describes the configuration items of the scatter layer.

Click **Scatter Layer** under **Components**. The Settings tab of **Scatter Layer** appears.

> **Note** If **Components** does not contain **Scatter Layer**, add the **Scatter Layer** component. For more information, see 3D globe.

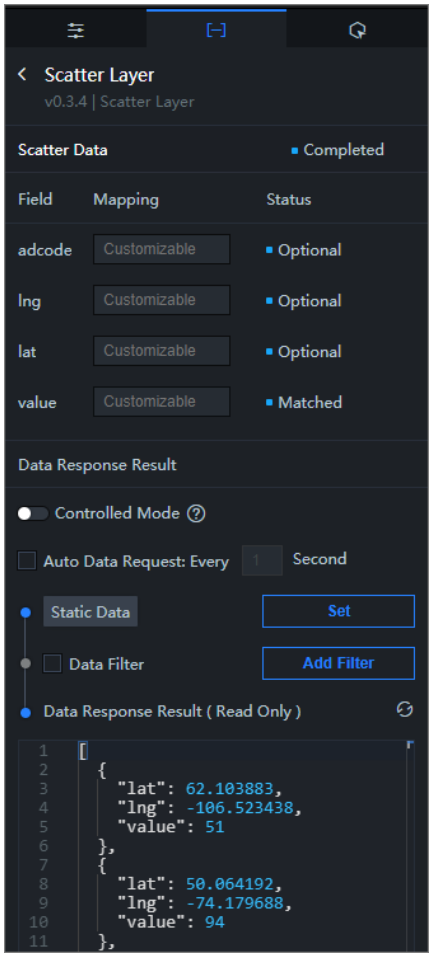
Settings



-
- **Animation Range**: the animation range of the scattered dots. Valid value: 0 to 3.
- **Animation Speed**: the animation speed of the scattered dots. Valid value: 0 to 0.1.
- **MaxValue Radius**: the radius of the largest dot. Valid value: 1 to 100.
- **MinValue Radius**: the radius of the smallest dot. Valid value: 1 to 50.
- **Scale**: the ratio of the scatter layer and the radius of the 3D globe. The larger the value, the farther the scatter layer is from the center of the 3D globe. Valid value: 0.9 to 1.5. If the value is 1, the scatter layer overlaps the 3D globe surface.
- **Scatter Style**

Parameter	Description
Inner Color	The inner color of the scattered dots.
Outer Color	The outer color of the scattered dots.
Gradient Count	The gradient degree of the scattered dots. Valid values: 0.1 to 30.

Data



Sample code in the preceding figure:

```
[
  {
    "lat": 62.103883,
    "lng": -106.523438,
    "value": 51
  },
  {
    "lat": 50.064192,
    "lng": -74.179688,
    "value": 94
  },
  {
    "lat": 43.068888,
    "lng": -104.765625,
    "value": 90
  },
  {
    "lat": -16.299051,
    "lng": -58.007812,
    "value": 36
  },
  {
    "lat": 37.996404,
    "lng": 85.432403,
    "value": 83
  },
  {
    "lat": 30.44572,
    "lng": 94.922655,
    "value": 55
  },
  {
    "lat": 24.203949,
    "lng": 105.823615,
    "value": 29
  },
  {
    "lat": 17.644022,
    "lng": -10.898438,
    "value": 23
  },
  {
    "lat": 34.597042,
    "lng": -84.726562,
    "value": 70
  },
  {
    "lat": 51.618017,
    "lng": -61.523437,
    "value": 18
  },
  {
    "lat": 34.016242,
    "lng": -104.765625,
    "value": 42
  }
]
```


Parameters

Parameter	Description
adcode	Optional. The region code of a dot.
lng	Optional. The longitude of a dot.
lat	Optional. The latitude of a dot.

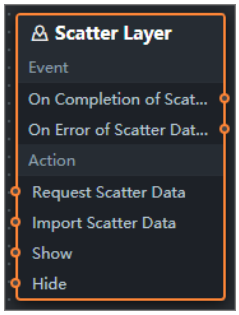
Parameter	Description
value	The size of a dot.

Interaction

This component does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor of the 3D globe widget, click the icon next to **Scatter Layer** under **Components**.
2. Click the icon in the upper-left corner of the page.
3. In the blueprint editor, click **Scatter Layer** in the Added Nodes pane. You can configure parameters of the scatter layer on the canvas.



- **Event**

  On Completion of Scatter Data Request

  After data of the scatter layer is returned by the API and processed by filters, this event is triggered to pass JSON-format data. For more information, see Example data.

- **Actions**

Action	Description
Request Scatter Data	This action takes parameters passed by an upstream data processing node or widget and requests data from the server. For example, the scatter layer uses the API data source `http://api.test`, and the data passed to the **Request Scatter Data** action is `{ id: '1'}`. As a result, the `http://api.test? id=1` API is called to request data.
Import Scatter Data	This action imports data from the API to render the scatter layer and dose not request data from the server. For more information, see Example data.
Show	This action shows the component and does not need parameter input.
Hide	This action hides the component and does not need parameter input.

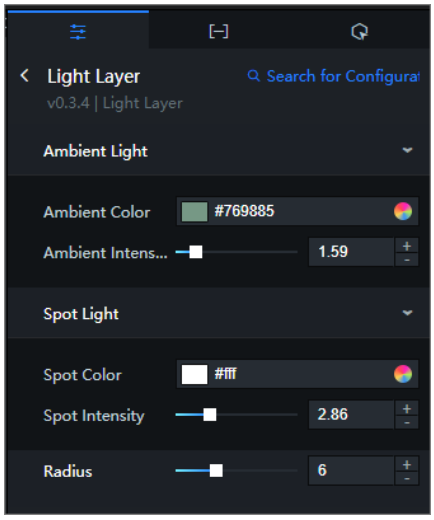
15.1.7. Light layer

The light layer is a component of the 3D globe widget. It allows you to simulate the light and color on the outer surface of the earth. You can configure the style of the light layer, including the light intensity and color. This topic describes the configuration items of the light layer.

Click **Light Layer** under **Components**. The Settings tab of **Light Layer** appears.

> **Note** If **Components** does not contain **Light Layer**, add the **Light Layer** component. For more information, see 3D globe.

Settings



-
- **Ambient Light**

Parameter	Description
Ambient Color	The color of the ambient light. For more information, see Color picker.
Ambient Intensity	The intensity of the ambient light.

- **Spot Light**

Parameter	Description
Spot Color	The color of the spot light. For more information, see Color picker.
Spot Intensity	The intensity of the spot light.

- **Radius**: the radius of the light range. Valid values: 1 to 16.

Data

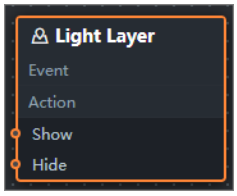
This component does not support data configuration.

Interaction

This component does not support interaction events.

Interaction configuration in the blueprint editor

1. In the canvas editor of the 3D globe widget, click the icon next to **Light Layer** under **Components**.
2. Click the icon in the upper-left corner of the page.
3. In the blueprint editor, click **Light Layer** in the Added Nodes pane. You can configure parameters of the light layer on the canvas.



   - **Event**: The light layer does not support events.
   - **Actions**

Action	Description
Show	This action shows the component and does not need parameter input.
Hide	This action hides the component and does not need parameter input.

15.2. Liquid chart

You can add one or more liquid charts to a project to display a percentage value of data in different styles.

Style

-
- **Outline Line**
  - **Shape**: To set the shape of the outline line, click the drop-down arrow and select the target shape.
    - Circle
    - Square
    - Rounded square
  - **Radius**: To change the default radius of the liquid chart, enter a value or drag the slider. The value range is from 0 to 1.
  - **Border Color**: To change the border color of the liquid chart, see Color picker.
  - **Border Width**: To change the border width, enter a value, or click **+** or **-**.
  - **Border Distance**: To change the border distance, enter a value, or click **+** or **-**.
- **Text Style**
  - **Text**
    - **Color**: To change the text color when the text is not covered by the liquid, see Color picker.
    - **Inside Color**: To change the text color when the text is covered by the liquid, see Color picker.
    - **Font Size**: To change the font size of the text, enter a value or drag the slider. The value range is from 10 to 100.
    - **Width**: To set the font weight of the text, click the drop-down arrow and select the target font weight.
    - **Height location**: Manually enter a numeric value or drag the slider to change the height of the text, the range of values is 0 to 1.
    - **Percentage display**: Click the drop-down arrow to select the text percentage display style.
      - Integer
      - A decimal number
      - Two decimal places.
- **wave**
  - **Number of peaks**: Manually enter a numeric value or drag the slider to change the number of peaks in a range of 1 to 10.
  - **Amplitude**: Manually enter a numeric value or drag the slider to change the wave amplitude, from 0 to 1.
  - **Phase**: Manually enter a numeric value or drag the slider to change the wave phase, with a range of 0 to 360.
  - **Cycle**: Manually enter a numeric value or drag the slider to change the wave period, covering a range of 0.5 to 60, units are seconds.
  - **Transparency**: Manually enter a numeric value or drag the slider to change the transparency of the wave, from 0 to 1.
  - **Animation**: Click **Eye button** Displays animation features.
    - **Direction**: Click the drop-down arrow to select a style for the direction.
      - Left to right.
      - Right to left.
    - **Change Effect**: Click the drop-down arrow to select a change effect style.
      - constant speed
      - Acceleration
      - slow down
- **Scatter Type**: Click the plus (**+**) sign or the **trash can** icon to add or delete a type.
  - **Color**: To change the text color when the text is not covered by the liquid, see Color picker.

Data

- Value: Corresponds to the data content of the percentage icon in the basic water level diagram.

Interaction

This widget is not connected to any events yet.