

Huawei Cloud Astro Canvas

Best Practices

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1

Developing a Large Screen for Visit Statistics

Scenario

The visit statistics screen shows campus personnel data, such as type, traffic, and total count, as shown in [Figure 1-1](#).

Figure 1-1 Large screen page



[Figure 1-1](#) displays the used widgets, from left to right and from top to bottom.

Table 1-1 Widget description

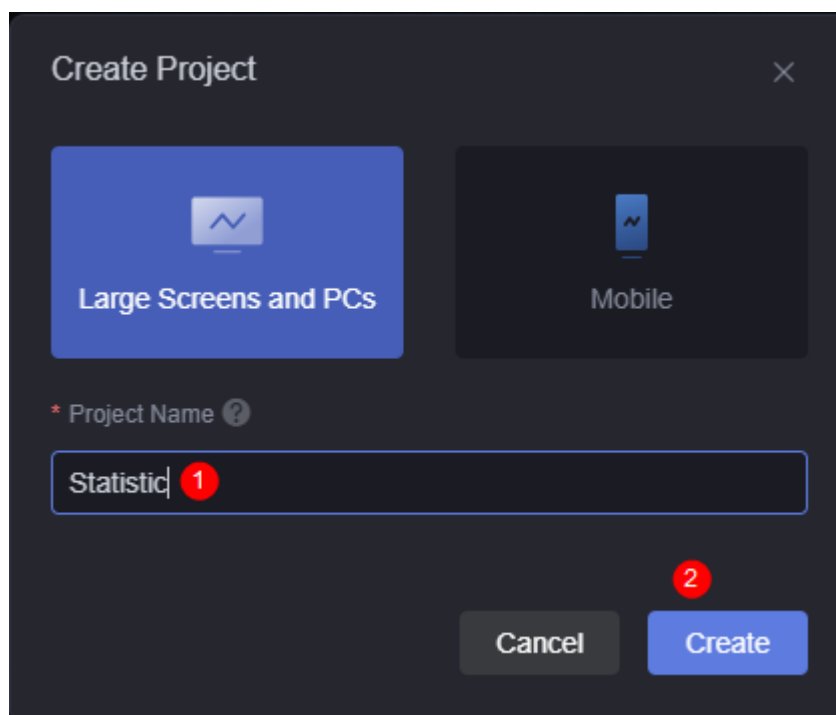
Widget	Description
Text editor	Displays titles such as personnel visit statistics.

Widget	Description
Horizontal bar chart	Collects statistics on the current personnel type, such as head office employees, partner employees, visitors, security personnel, and cleaning personnel.
Bar chart	Collects statistics on the number of people entering and leaving the campus.
Area line chart	Collects statistics on the number of people in the campus yesterday.

Developing a Large Screen Page

- Step 1** Log in to the [Huawei Cloud Astro Canvas](#) console and click **Go to Homepage**.
- Step 2** Create a project for **Large Screens and PCs**, set **Project Name** to "Statistics", and click **Create**.

Figure 1-2 Creating a project



- Step 3** In the large screen and PC project, click **Create** and click **New Empty Page**.
- Step 4** Enter the page title "Personnel Visit Statistics" and click **Create**.

A page title can contain 1 to 100 characters. You can adjust the page resolution and widget layout to achieve the optimal display effect.

- Step 5** Click  in the upper part of the page and set the background image as required.

Figure 1-3 Setting the background image

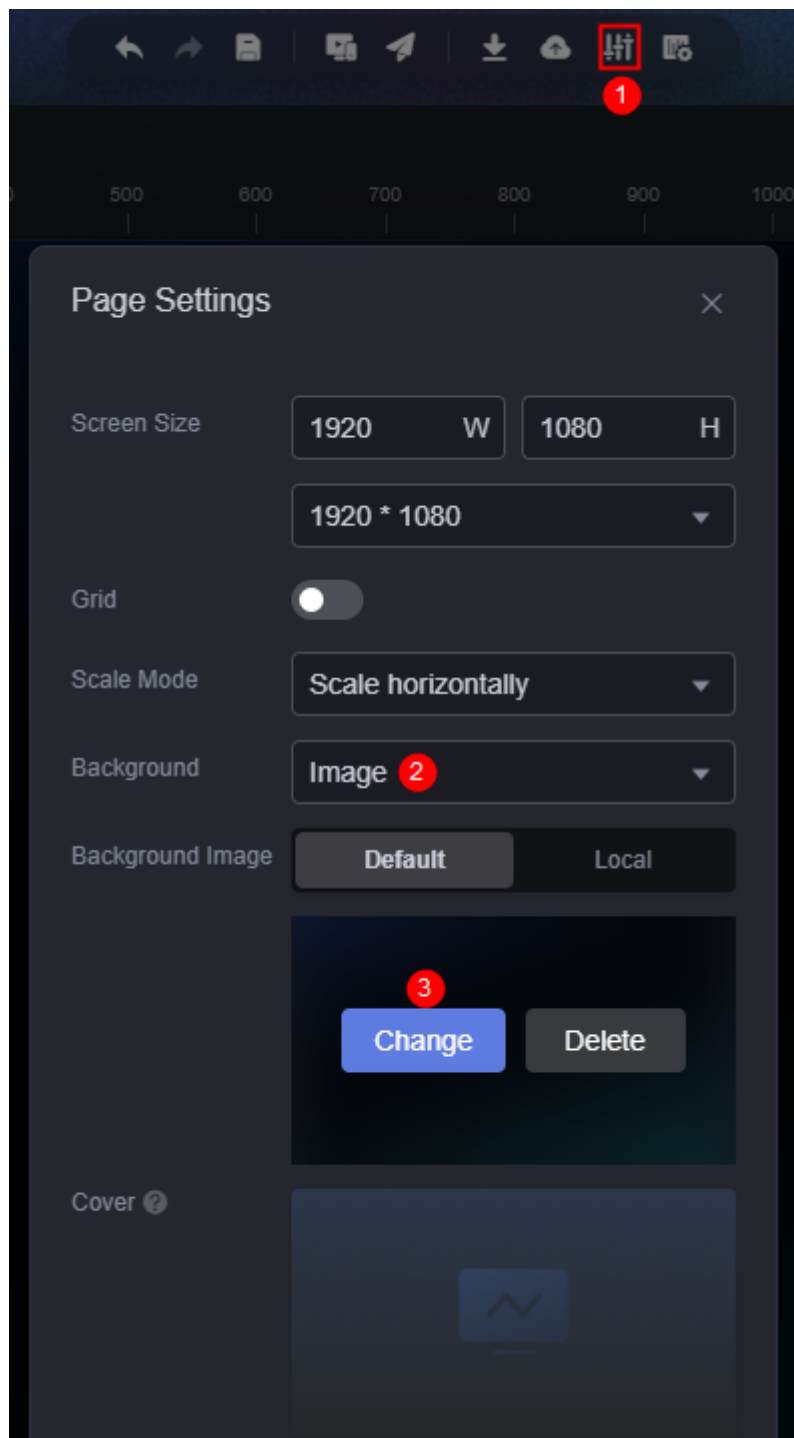
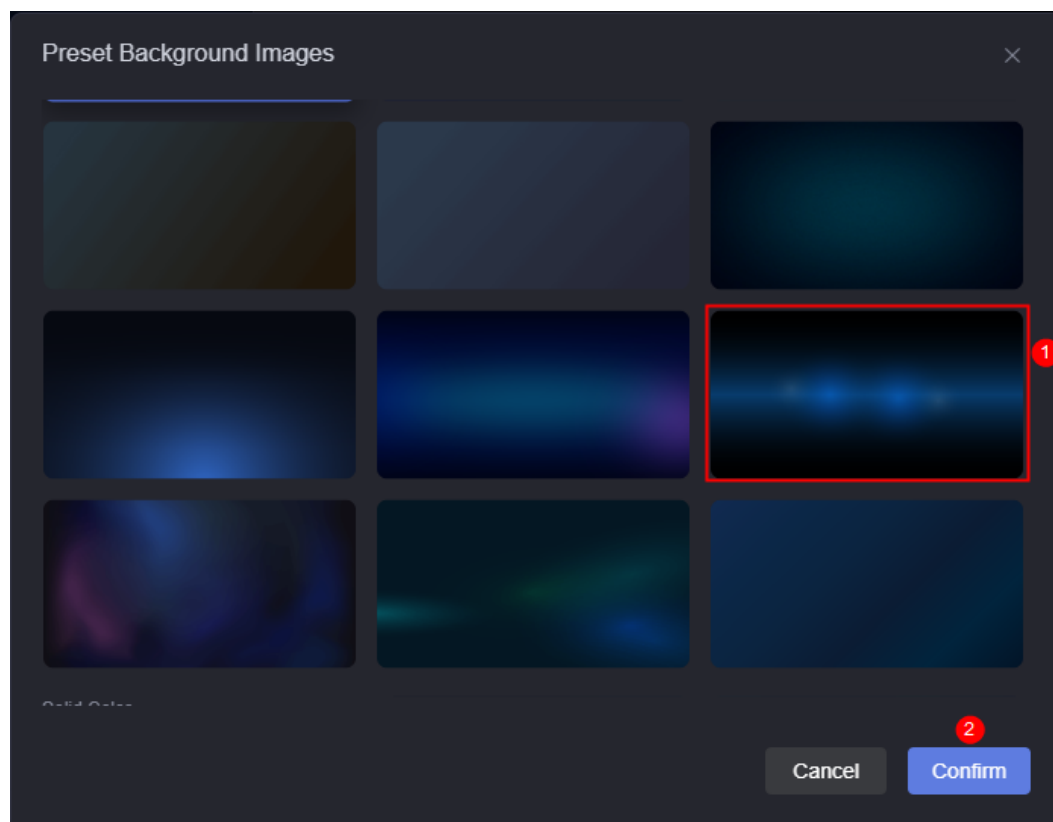


Figure 1-4 Setting the background image



Step 6 Drag a text editor widget, a horizontal bar chart widget, a bar chart widget, and an area line chart widget to the canvas, as shown in [Figure 1-6](#).

Figure 1-5 Dragging a text editor widget to the canvas

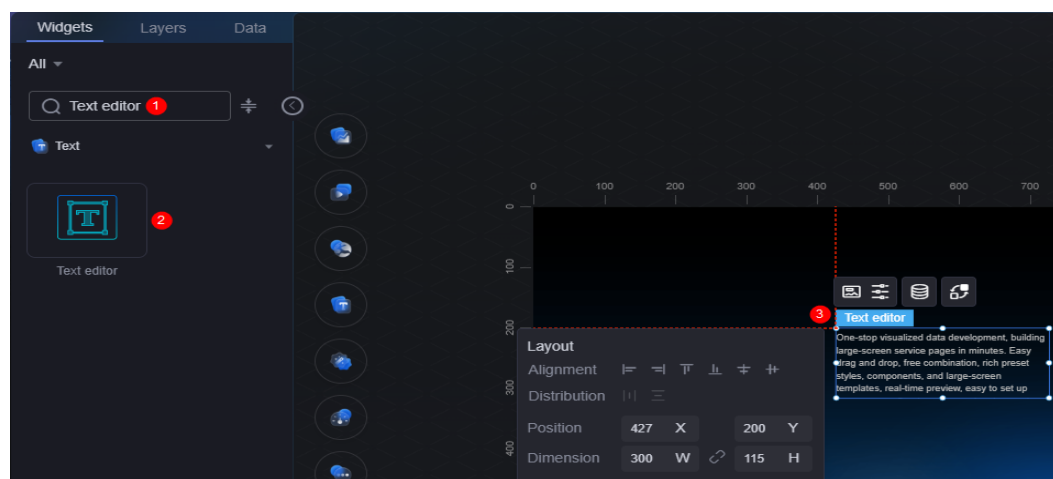


Figure 1-6 Widget layout



Step 7 In the upper right corner of the page, select a theme as required. (In this example, the original theme is used by clicking **Clear**.)

Step 8 Configure the text editor widget.


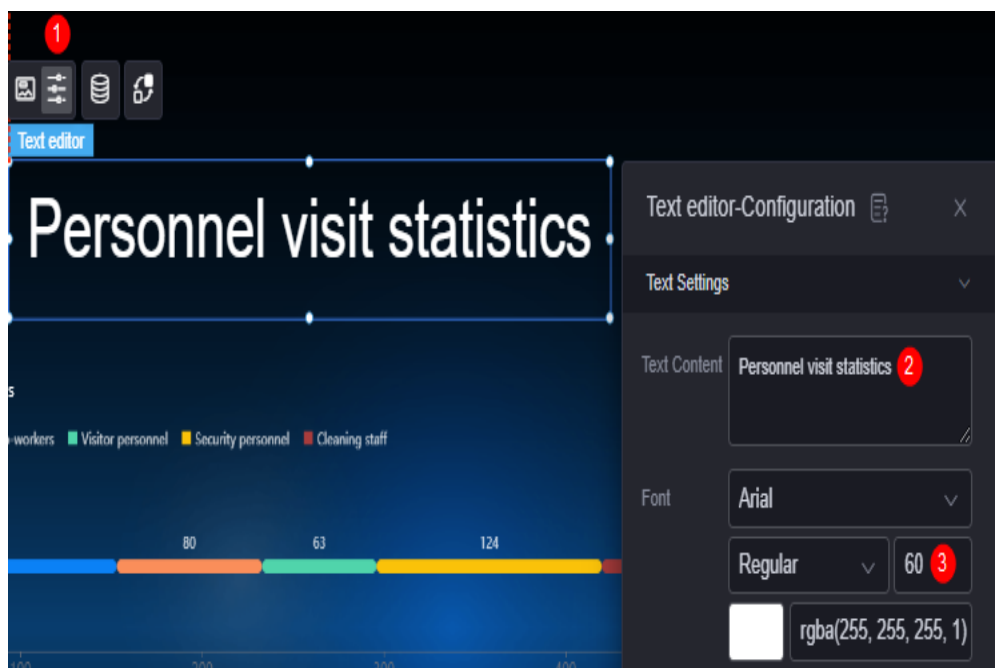
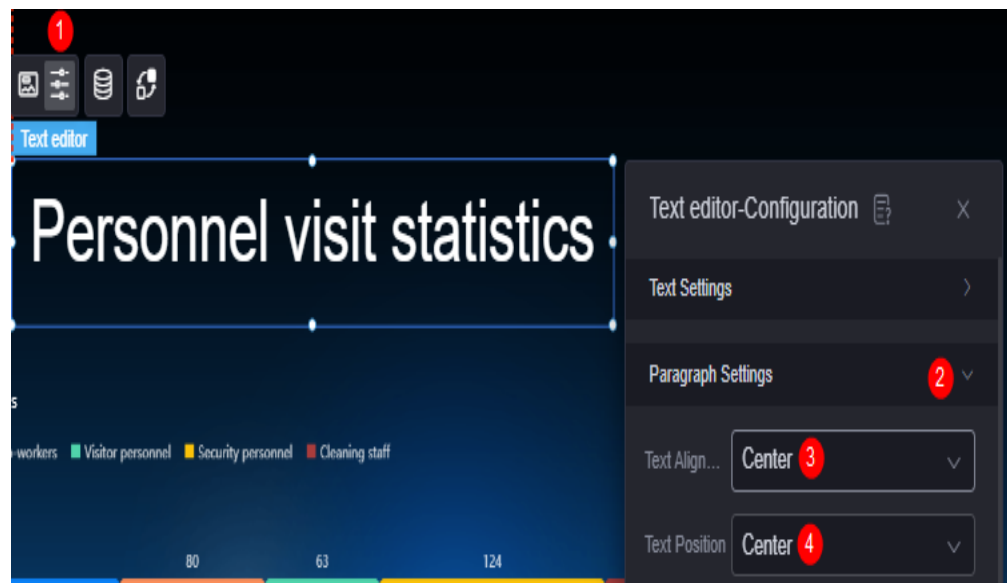
1. Select the text editor widget, click , set the text content to "Personnel Visit Statistics", and set the font to 60.

Figure 1-7 Setting the text title





2. In the paragraph settings area, set the title alignment to center.

Figure 1-8 Setting the title alignment



Step 9 Configure the horizontal bar chart widget.

1. Select the horizontal bar chart widget, click  above the widget, configure the widget data, and click the save button.
Set the data type to static data and the input data format to JSON, enter the following example data, and click  to format the data.

```
[{
  "x": "Personnel Statistics",
  "y": 153,
  "s": "Head office employees"
},
{
  "x": "Personnel Statistics",
  "y": 80,
  "s": "Partner employees"
},
{
  "x": "Personnel Statistics",
  "y": 63,
  "s": "Visitors"
},
{
  "x": "Personnel Statistics",
  "y": 124,
  "s": "Security personnel"
},
{
  "x": "Personnel Statistics",
  "y": 56,
  "s": "Cleaning personnel"
}
]
```


2. Select the horizontal bar chart widget, click  above the widget, and select the **Blue Gradient Non-sorting** template.

Figure 1-9 Setting a template




3. Select the horizontal bar chart widget, click  above the widget, and select **Show** for **Data Label** of all data series to display data above the bars.

Figure 1-10 Data displayed above the bars



4. Enable the horizontal stacking effect.

Figure 1-11 Enabling the horizontal stack effect




5. Select the horizontal bar chart widget and click  above the widget to hide the X-axis and the Y-axis gridline.

Figure 1-12 Hiding the X axis



Figure 1-13 Hiding the Y-axis gridline




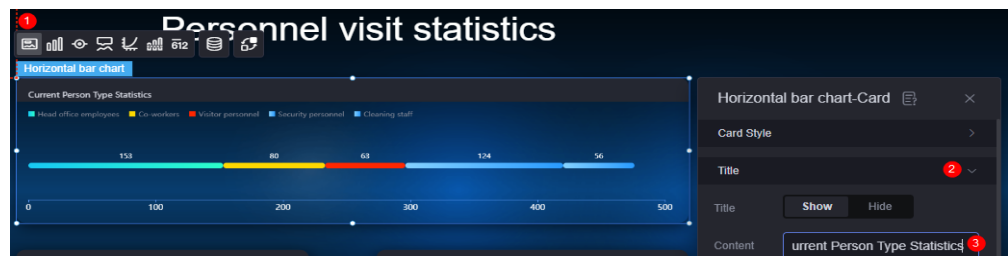


6. Select the horizontal bar chart widget, click  above the widget, and set the widget title to "Current Person Type Statistics".

Figure 1-14 Setting the widget title



Step 10 Configure the bar chart widget in the lower left corner by referring to [Step 9](#).

1. Select the bar chart widget, click  above the widget, configure widget data, and click the save button.
Set the data type to static data and the input data format to JSON, enter the following example data, and click  to format the data.

```
[{
  "x": "01",
  "y": 20,
  "s": "Number of admissions"
},
{
  "x": "02",
  "y": 30,
  "s": "Number of admissions"
},
{
  "x": "03",
```

```

    "y": 45,
    "s": "Number of admissions"
  },
  {
    "x": "04",
    "y": 20,
    "s": "Number of admissions"
  },
  {
    "x": "05",
    "y": 60,
    "s": "Number of admissions"
  },
  {
    "x": "06",
    "y": 80,
    "s": "Number of admissions"
  },
  {
    "x": "07",
    "y": 140,
    "s": "Number of admissions"
  },
  {
    "x": "08",
    "y": 200,
    "s": "Number of admissions"
  },
  {
    "x": "09",
    "y": 145,
    "s": "Number of admissions"
  },
  {
    "x": "10",
    "y": 40,
    "s": "Number of admissions"
  },
  {
    "x": "11",
    "y": 70,
    "s": "Number of admissions"
  },
  {
    "x": "12",
    "y": 60,
    "s": "Number of admissions"
  },
  {
    "x": "13",
    "y": 80,
    "s": "Number of admissions"
  },
  {
    "x": "14",
    "y": 16,
    "s": "Number of admissions"
  },
  {
    "x": "15",
    "y": 87,
    "s": "Number of admissions"
  },
  {
    "x": "16",
    "y": 77,
    "s": "Number of admissions"
  },
  {

```

```
    "x": "17",
    "y": 60,
    "s": "Number of admissions"
  },
  {
    "x": "18",
    "y": 20,
    "s": "Number of admissions"
  },
  {
    "x": "19",
    "y": 60,
    "s": "Number of admissions"
  },
  {
    "x": "20",
    "y": 80,
    "s": "Number of admissions"
  },
  {
    "x": "21",
    "y": 55,
    "s": "Number of admissions"
  },
  {
    "x": "22",
    "y": 68,
    "s": "Number of admissions"
  },
  {
    "x": "23",
    "y": 70,
    "s": "Number of admissions"
  },
  {
    "x": "24",
    "y": 24,
    "s": "Number of admissions"
  },
  {
    "x": "01",
    "y": 90,
    "s": "Number of people leaving the park"
  },
  {
    "x": "02",
    "y": 60,
    "s": "Number of people leaving the park"
  },
  {
    "x": "03",
    "y": 30,
    "s": "Number of people leaving the park"
  },
  {
    "x": "04",
    "y": 20,
    "s": "Number of people leaving the park"
  },
  {
    "x": "05",
    "y": 10,
    "s": "Number of people leaving the park"
  },
  {
    "x": "06",
    "y": 110,
    "s": "Number of people leaving the park"
  },
  },
```

```
{
  "x": "07",
  "y": 140,
  "s": "Number of people leaving the park"
},
{
  "x": "08",
  "y": 87,
  "s": "Number of people leaving the park"
},
{
  "x": "09",
  "y": 64,
  "s": "Number of people leaving the park"
},
{
  "x": "10",
  "y": 45,
  "s": "Number of people leaving the park"
},
{
  "x": "11",
  "y": 11,
  "s": "Number of people leaving the park"
},
{
  "x": "12",
  "y": 24,
  "s": "Number of people leaving the park"
},
{
  "x": "13",
  "y": 80,
  "s": "Number of people leaving the park"
},
{
  "x": "14",
  "y": 14,
  "s": "Number of people leaving the park"
},
{
  "x": "15",
  "y": 98,
  "s": "Number of people leaving the park"
},
{
  "x": "16",
  "y": 35,
  "s": "Number of people leaving the park"
},
{
  "x": "17",
  "y": 41,
  "s": "Number of people leaving the park"
},
{
  "x": "18",
  "y": 14,
  "s": "Number of people leaving the park"
},
{
  "x": "19",
  "y": 45,
  "s": "Number of people leaving the park"
},
{
  "x": "20",
  "y": 80,
  "s": "Number of people leaving the park"
}
```

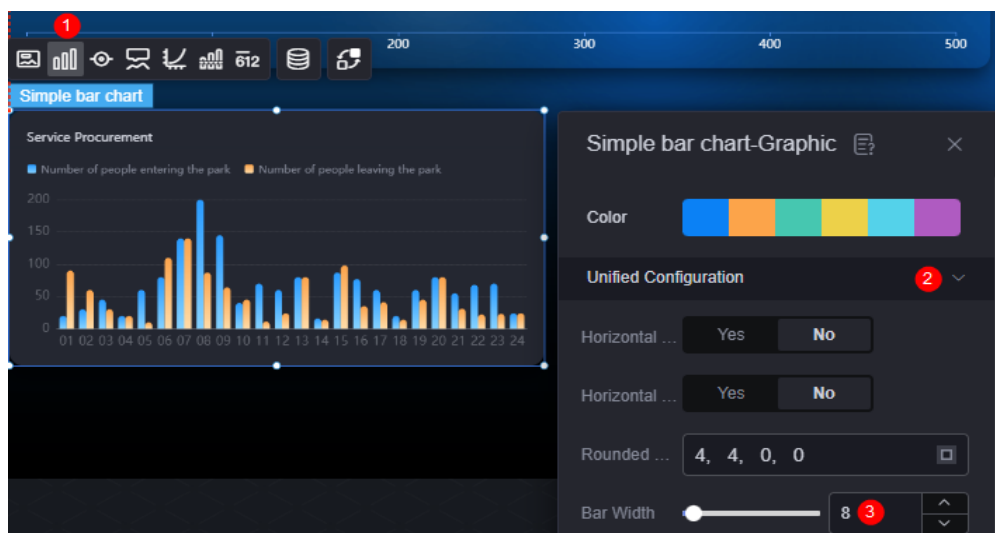
```

},
{
  "x": "21",
  "y": 31,
  "s": "Number of people leaving the park"
},
{
  "x": "22",
  "y": 22,
  "s": "Number of people leaving the park"
},
{
  "x": "23",
  "y": 23,
  "s": "Number of people leaving the park"
},
{
  "x": "24",
  "y": 24,
  "s": "Number of people leaving the park"
}
]

```

2. Select the bar chart widget, click  above the widget, and set the bar width in the data series to **8** in the unified configuration.

Figure 1-15 Setting the bar width to 8




3. Select the bar chart widget, click  above the widget to show the X-axis gridline and the Y-axis, and hide the Y-axis gridline.

Figure 1-16 Displaying the X-axis gridline

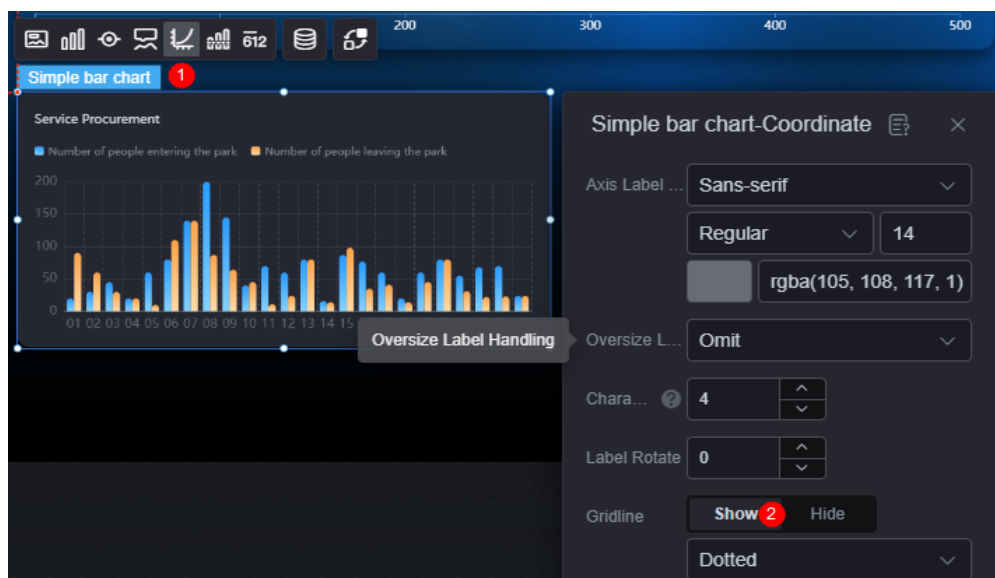
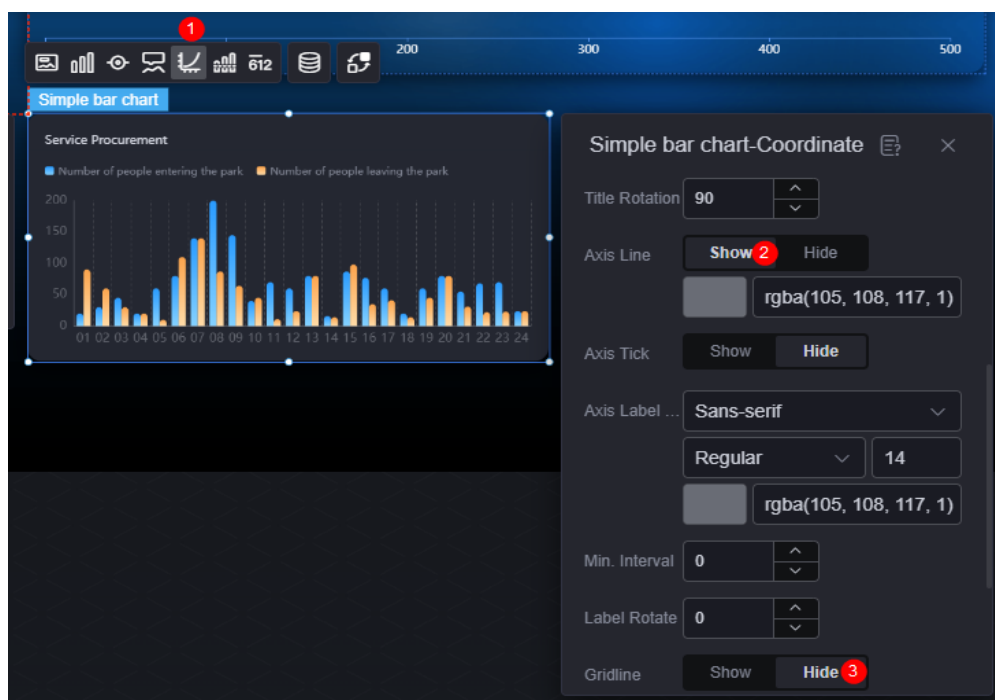
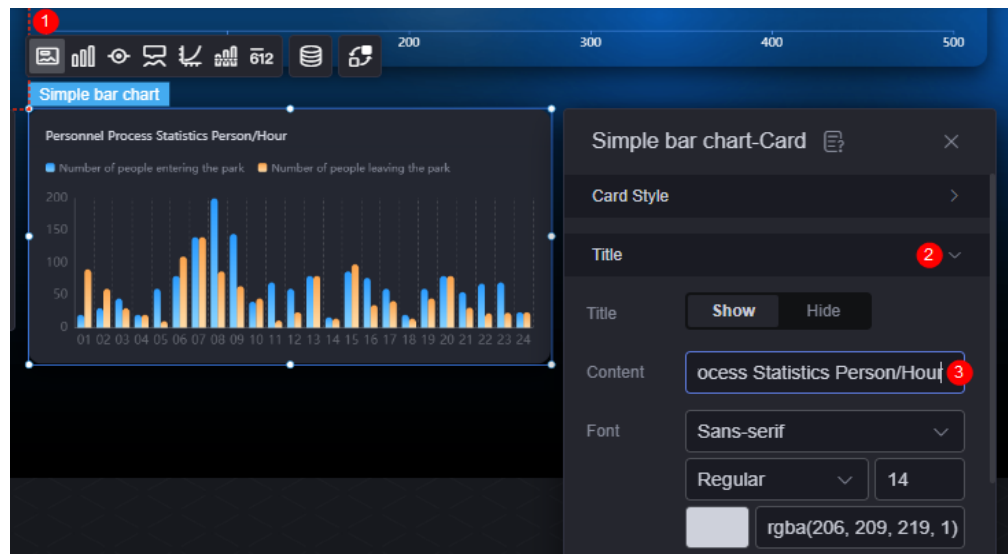


Figure 1-17 Displaying the Y-axis and hiding the Y-axis gridline





4. Select the bar chart widget, click  above the widget, and set the title content to "Personnel Process Statistics Person/Hour".

Figure 1-18 Setting the title



Step 11 Configure the area line chart widget by referring to [Step 9](#).

1. Select the area chart widget, click  above the widget, and configure the widget data.
Set the data type to static data and the input data format to JSON, enter the following example data, and click  to format the data.

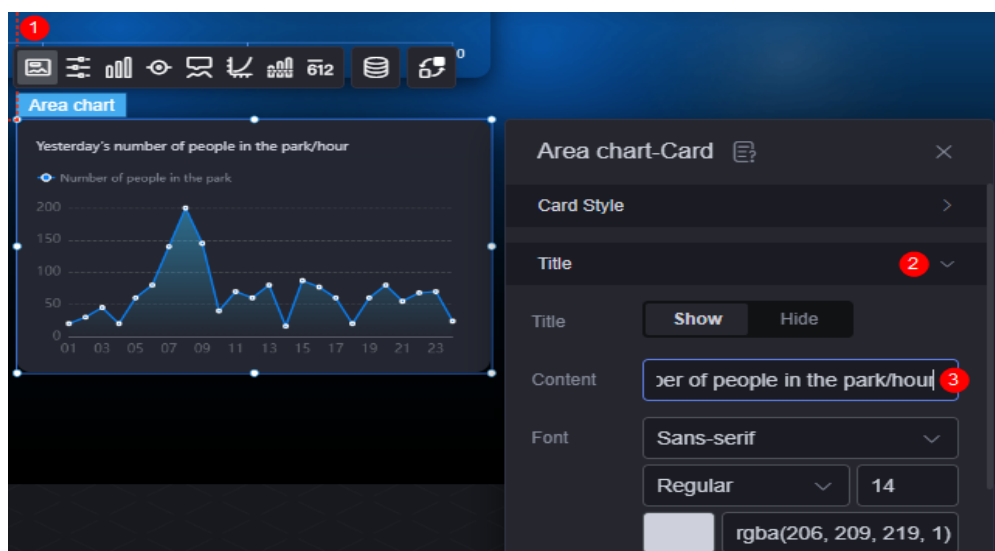
```
[{
  "x": "01",
  "y": 20,
  "s": "Number of people in the park"
},
{
  "x": "02",
  "y": 30,
  "s": "Number of people in the park"
},
{
  "x": "03",
  "y": 45,
  "s": "Number of people in the park"
},
{
  "x": "04",
  "y": 20,
  "s": "Number of people in the park"
},
{
  "x": "05",
  "y": 60,
  "s": "Number of people in the park"
},
{
  "x": "06",
  "y": 80,
  "s": "Number of people in the park"
},
{
  "x": "07",
  "y": 140,
  "s": "Number of people in the park"
},
{
  "x": "08",
  "y": 180,
  "s": "Number of people in the park"
},
{
  "x": "09",
  "y": 150,
  "s": "Number of people in the park"
},
{
  "x": "10",
  "y": 100,
  "s": "Number of people in the park"
},
{
  "x": "11",
  "y": 80,
  "s": "Number of people in the park"
},
{
  "x": "12",
  "y": 60,
  "s": "Number of people in the park"
},
{
  "x": "13",
  "y": 40,
  "s": "Number of people in the park"
},
{
  "x": "14",
  "y": 20,
  "s": "Number of people in the park"
},
{
  "x": "15",
  "y": 100,
  "s": "Number of people in the park"
},
{
  "x": "16",
  "y": 80,
  "s": "Number of people in the park"
},
{
  "x": "17",
  "y": 60,
  "s": "Number of people in the park"
},
{
  "x": "18",
  "y": 40,
  "s": "Number of people in the park"
},
{
  "x": "19",
  "y": 20,
  "s": "Number of people in the park"
},
{
  "x": "20",
  "y": 80,
  "s": "Number of people in the park"
},
{
  "x": "21",
  "y": 60,
  "s": "Number of people in the park"
},
{
  "x": "22",
  "y": 40,
  "s": "Number of people in the park"
},
{
  "x": "23",
  "y": 20,
  "s": "Number of people in the park"
},
{
  "x": "24",
  "y": 10,
  "s": "Number of people in the park"
}
]
```

```
"x": "08",
"y": 200,
"s": "Number of people in the park"
},
{
"x": "09",
"y": 145,
"s": "Number of people in the park"
},
{
"x": "10",
"y": 40,
"s": "Number of people in the park"
},
{
"x": "11",
"y": 70,
"s": "Number of people in the park"
},
{
"x": "12",
"y": 60,
"s": "Number of people in the park"
},
{
"x": "13",
"y": 80,
"s": "Number of people in the park"
},
{
"x": "14",
"y": 16,
"s": "Number of people in the park"
},
{
"x": "15",
"y": 87,
"s": "Number of people in the park"
},
{
"x": "16",
"y": 77,
"s": "Number of people in the park"
},
{
"x": "17",
"y": 60,
"s": "Number of people in the park"
},
{
"x": "18",
"y": 20,
"s": "Number of people in the park"
},
{
"x": "19",
"y": 60,
"s": "Number of people in the park"
},
{
"x": "20",
"y": 80,
"s": "Number of people in the park"
},
{
"x": "21",
"y": 55,
"s": "Number of people in the park"
},
},
```

```
[
  {
    "x": "22",
    "y": 68,
    "s": "Number of people in the park"
  },
  {
    "x": "23",
    "y": 70,
    "s": "Number of people in the park"
  },
  {
    "x": "24",
    "y": 24,
    "s": "Number of people in the park"
  }
]
```

2. Select the area line chart widget, click  above the widget, and set the title to "Statistics on the number of people in the park yesterday Person/Hour".

Figure 1-19 Setting the title of the area line chart widget




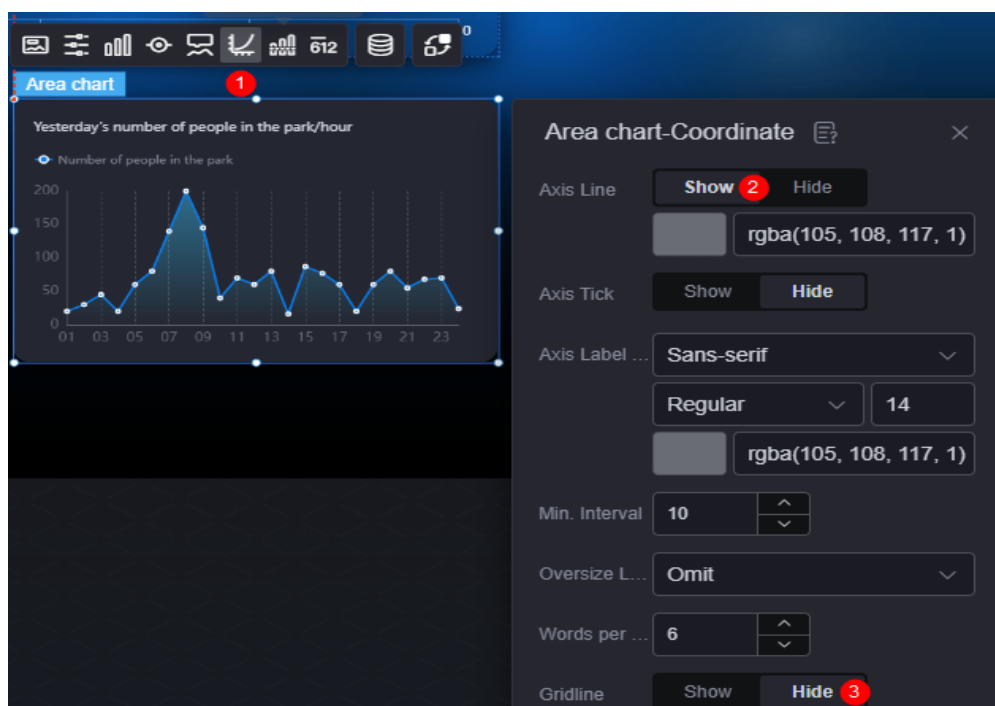
3. Select the area line chart widget, click  above the widget to show the X-axis gridline and the Y-axis, and hide the Y-axis gridline.

Figure 1-20 Displaying the X-axis gridline



Figure 1-21 Displaying the Y-axis and hiding the Y-axis gridline





Step 12 Click  in the upper part of the page to save the settings, and click  to preview the effect.

Figure 1-22 Previewing the effect



----End

2 Developing a Mobile Page for Alarm Handling Statistics

Scenario

This page displays the alarm handling statistics on a mobile device, as shown in [Figure 2-1](#).

Figure 2-1 Mobile page view



Figure 2-1 displays the used widgets.

Table 2-1 Widget description

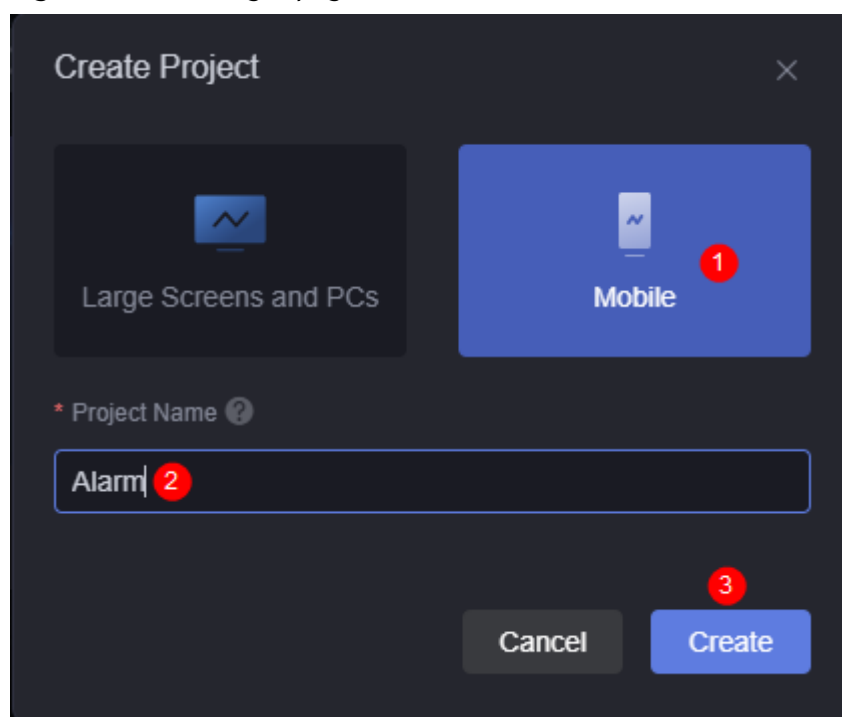
Widget	Description
Horizontal bar chart	Collects statistics on the alarms by status. The statuses include To-be-assigned , Assigned , Processing , and Closed .
Line chart	Collects statistics on the average time spent on handling alarms.

Developing a Mobile Page

Step 1 Log in to the [Huawei Cloud Astro Canvas](#) console and click **Go to Homepage**.

Step 2 On the **Projects** page, click **Create Project**.

Step 3 Select **Mobile**, enter the project name **Alarm**, and click **Create**.

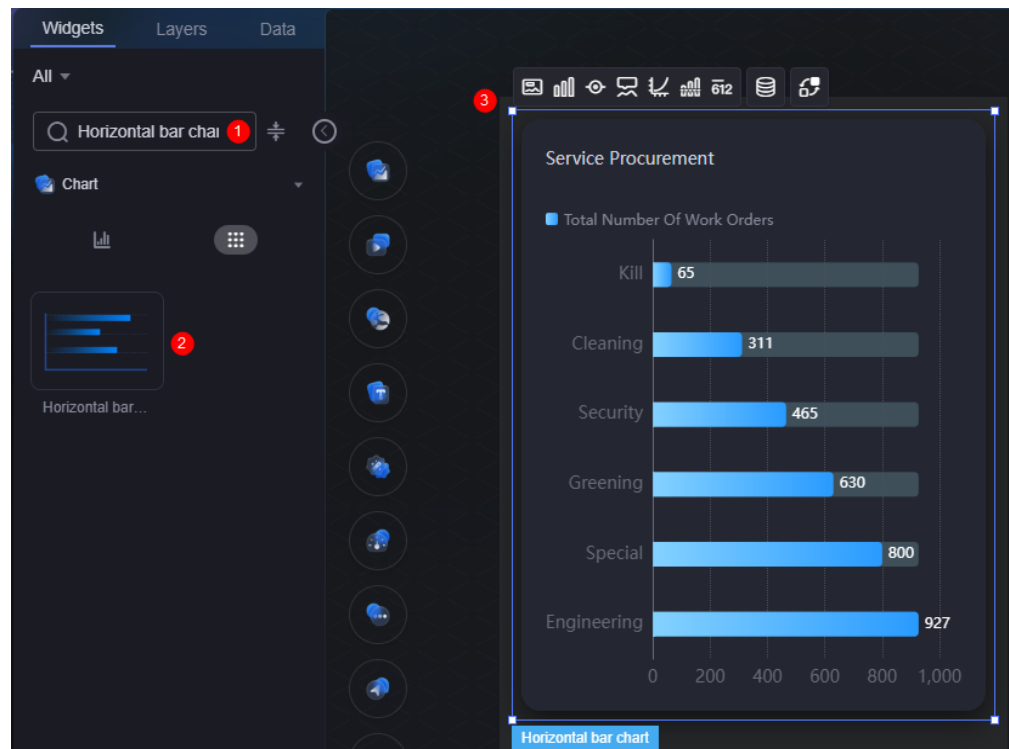
Figure 2-2 Creating a page for mobile devices


Step 4 On the project page, click **Create**.


Step 5 Click **New Empty Page**, enter the page title "Alarm Handling Statistics", and click **Create**.

Step 6 Configure the horizontal bar chart widget.

1. Drag the horizontal bar chart widget to the canvas.

Figure 2-3 Dragging the horizontal bar chart widget to the canvas

2. Select the horizontal bar chart widget, click  above the widget, configure the data source, and click the save button.

Set the data type to static data and the input data format to JSON, enter the following example data, and click  to format the data.

```
[{
  "x": "10-01",
  "y": 311,
  "s": "To-be-assigned"
},
{
  "x": "10-02",
  "y": 465,
  "s": "To-be-assigned"
},
{
  "x": "10-03",
  "y": 927,
  "s": "To-be-assigned"
},
{
  "x": "10-04",
  "y": 630,
  "s": "To-be-assigned"
},
{
  "x": "10-05",
  "y": 65,
  "s": "To-be-assigned"
},
{
  "x": "10-06",
  "y": 800,
  "s": "To-be-assigned"
},
]
```

```
{
  "x": "10-07",
  "y": 247,
  "s": "To-be-assigned"
},
{
  "x": "10-08",
  "y": 530,
  "s": "To-be-assigned"
},
{
  "x": "10-01",
  "y": 311,
  "s": "Assigned"
},
{
  "x": "10-02",
  "y": 465,
  "s": "Assigned"
},
{
  "x": "10-03",
  "y": 345,
  "s": "Assigned"
},
{
  "x": "10-04",
  "y": 630,
  "s": "Assigned"
},
{
  "x": "10-05",
  "y": 65,
  "s": "Assigned"
},
{
  "x": "10-06",
  "y": 800,
  "s": "Assigned"
},
{
  "x": "10-07",
  "y": 247,
  "s": "Assigned"
},
{
  "x": "10-08",
  "y": 530,
  "s": "Assigned"
},
{
  "x": "10-01",
  "y": 311,
  "s": "Processing"
},
{
  "x": "10-02",
  "y": 465,
  "s": "Processing"
},
{
  "x": "10-03",
  "y": 927,
  "s": "Processing"
},
{
  "x": "10-04",
  "y": 630,
  "s": "Processing"
}
```

```
    },  
    {  
      "x": "10-05",  
      "y": 1334,  
      "s": "Processing"  
    },  
    {  
      "x": "10-06",  
      "y": 800,  
      "s": "Processing"  
    },  
    {  
      "x": "10-07",  
      "y": 247,  
      "s": "Processing"  
    },  
    {  
      "x": "10-08",  
      "y": 530,  
      "s": "Processing"  
    },  
    {  
      "x": "10-01",  
      "y": 311,  
      "s": "Closed"  
    },  
    {  
      "x": "10-02",  
      "y": 465,  
      "s": "Closed"  
    },  
    {  
      "x": "10-03",  
      "y": 927,  
      "s": "Closed"  
    },  
    {  
      "x": "10-04",  
      "y": 630,  
      "s": "Closed"  
    },  
    {  
      "x": "10-05",  
      "y": 65,  
      "s": "Closed"  
    },  
    {  
      "x": "10-06",  
      "y": 800,  
      "s": "Closed"  
    },  
    {  
      "x": "10-07",  
      "y": 689,  
      "s": "Closed"  
    },  
    {  
      "x": "10-08",  
      "y": 530,  
      "s": "Closed"  
    }  
  ]
```


3. Select the bar chart widget, click  above the widget, set the widget title to "Alarm Handling Statistics", and select **Blue Gradient Non-sorting** for **Reference Template**.

Figure 2-4 Selecting Blue Gradient Non-sorting

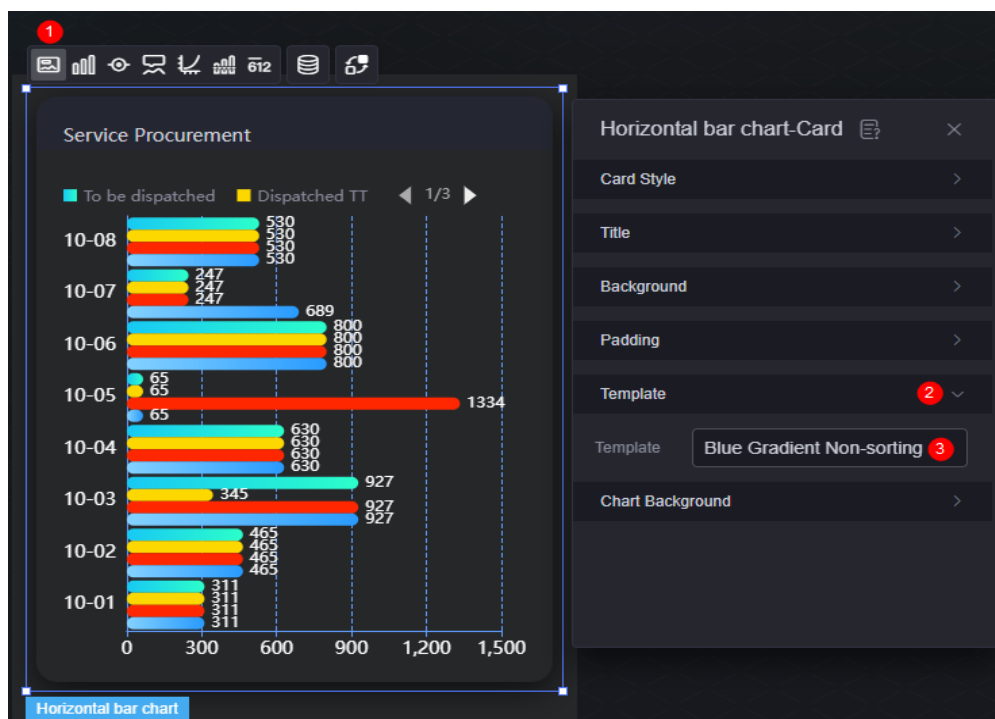


Figure 2-5 Configuring the title




4. Select the horizontal bar chart widget, click  above the widget, enable the horizontal stack effect, and select **Show** for **Data Label** of all data series to display the data above the bars.

Figure 2-6 Enabling the horizontal stack effect

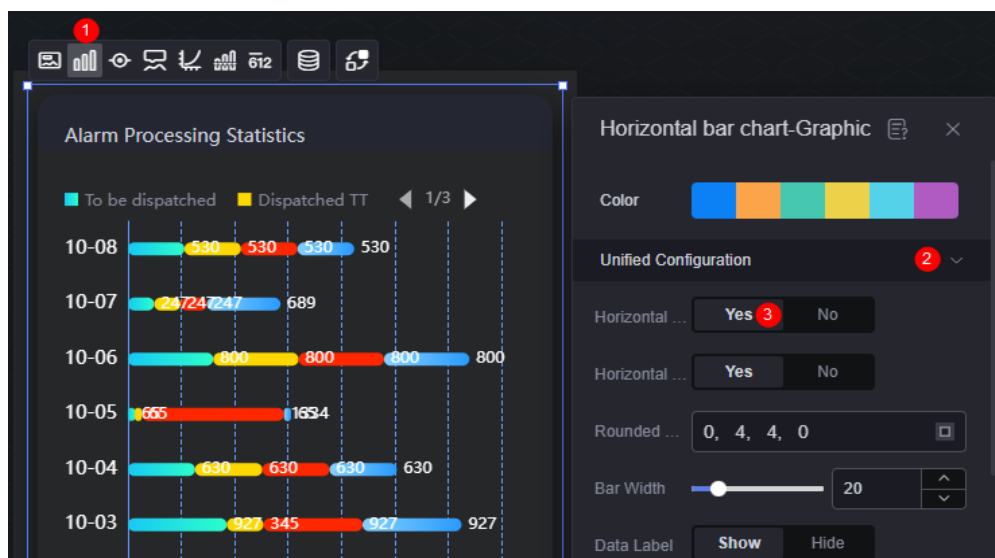
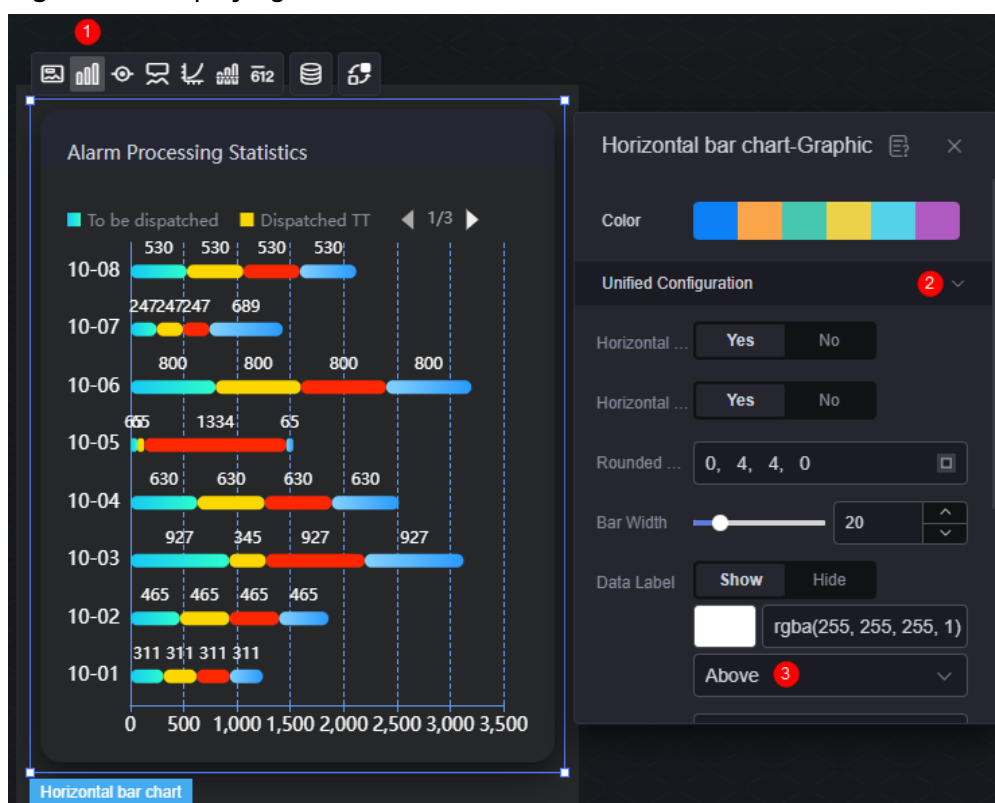


Figure 2-7 Displaying the data above the bars




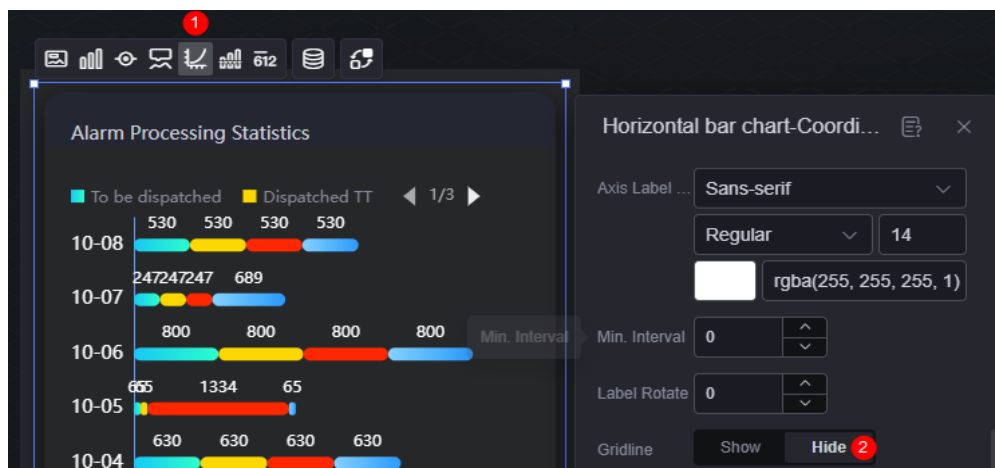
5. Select the horizontal bar chart widget and click  above the widget to hide the Y-axis gridline.

Figure 2-8 Hiding the gridline





Step 7 Configure the line chart widget.

1. Drag the line chart widget to the canvas.

Figure 2-9 Dragging the line chart widget to the canvas



2. Select the line chart widget, click  above the widget, configure the data source, and click the save button.

Set the data type to static data and the input data format to JSON, enter the following example data, and click  to format the data.

```
[{
  "x": "12-29",
  "y": 0,
  "s": "Average processing duration"
},
{
  "x": "12-30",
  "y": 0,
  "s": "Average processing duration"
},
{
  "x": "12-31",
  "y": 0,
  "s": "Average processing duration"
},
{
  "x": "01-01",
  "y": 82,
  "s": "Average processing duration"
},
{
  "x": "01-02",
  "y": 78,
  "s": "Average processing duration"
},
{
  "x": "01-03",
  "y": 67,
  "s": "Average processing duration"
},
{
  "x": "01-04",
  "y": 43,
  "s": "Average processing duration"
}
]
```


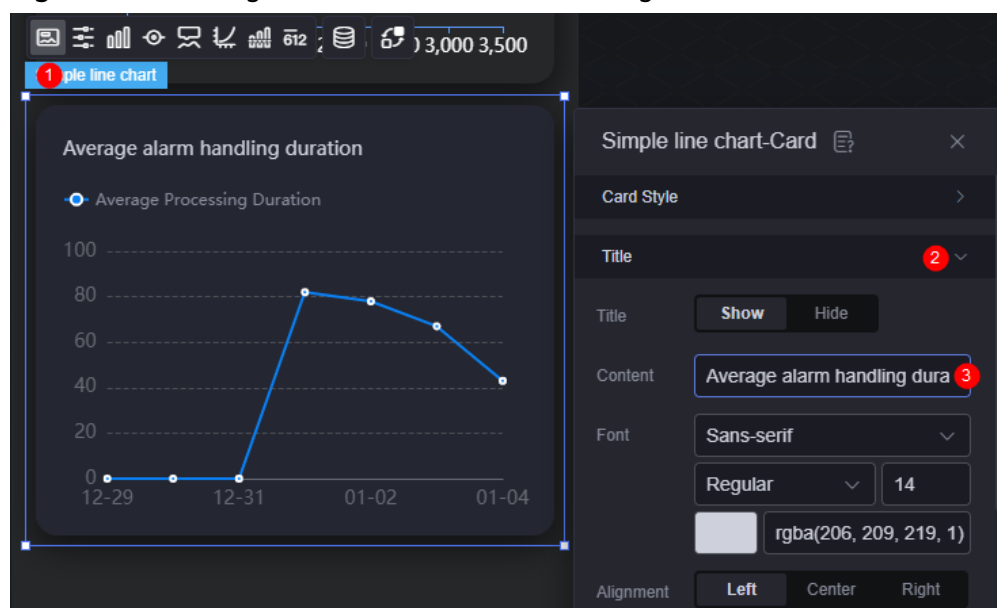
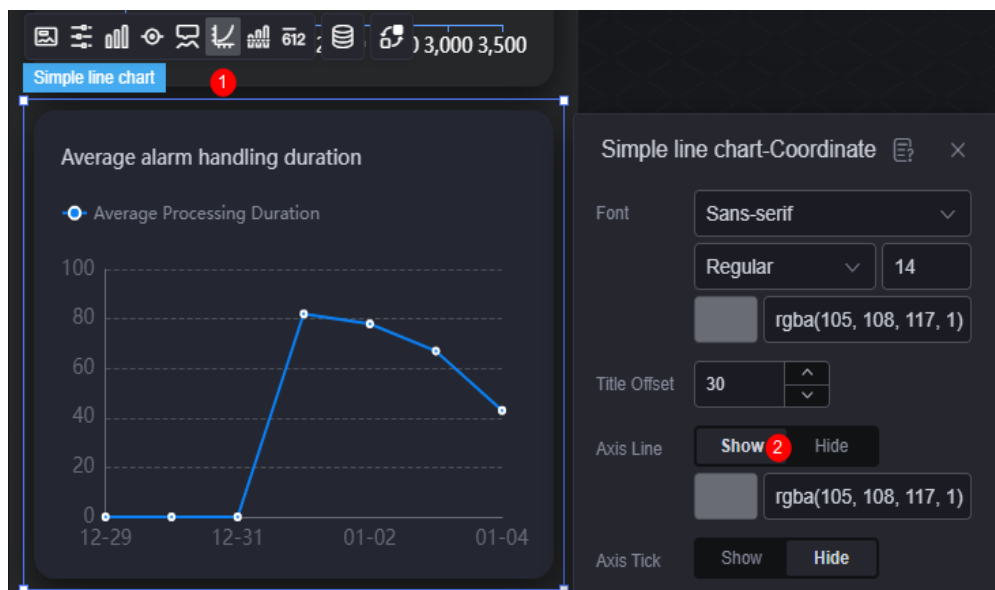
3. Select the line chart widget, click  above the widget, and set the title to "Average Alarm Handling Duration".

Figure 2-10 Setting the title of the line chart widget



4. Select the line chart widget, click  above the widget to display the Y-axis.

Figure 2-11 Displaying the Y-axis





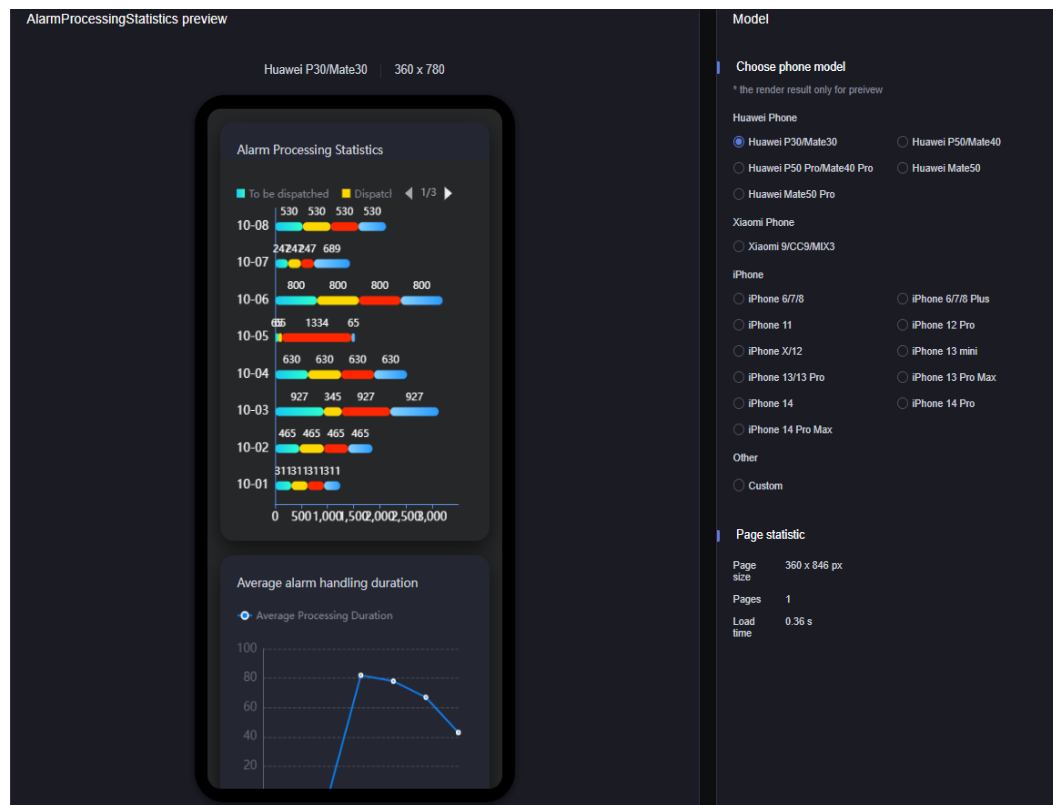
- Step 8** Click  in the upper part of the page to save the settings, and click  to view the page display effect on the different mobile devices.

Figure 2-12 Previewing the effect



----End