

# Alibaba Cloud

## Quick BI Document History

Document Version: 20211224

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# Document conventions

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

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# 1. Release notes for Quick BI V3.12.2

This topic describes the release notes for Quick BI V3.12.2 and provides links to the relevant references.

## Release date

August 2021

## Data sources

- Self-managed GBase data sources are supported. For more information, see [Add a self-managed GBase data source](#).
- Data sources of the ApsaraDB PolarDB PostgreSQL-compatible edition are supported. For more information, see [Add a data source of the ApsaraDB PolarDB PostgreSQL-compatible edition](#).
- Hologres data sources are supported. For more information, see [Add a Hologres data source](#).
- Self-managed Snowflake data sources are supported. For more information, see [Add a self-managed Snowflake data source](#).
- Self-managed Impala data sources are supported. For more information, see [Add a self-managed Impala data source](#).
- Self-managed Kylin data sources are supported. For more information, see [Add a self-managed Kylin data source](#).
- Data sources of ApsaraDB ClickHouse, AnalyticDB for MySQL V3.0, and Distributed Relational Database Service (DRDS) are supported. For more information, see [Add an ApsaraDB for ClickHouse data source](#).

The screenshot shows a dialog box titled "Add ClickHouse Database". It contains the following fields and controls:

- \* Name: Enter a database name to be displayed.
- \* Database Address: Enter a hostname.
- \* Port Number: 8123
- \* Database: Enter a database name.
- \* Username: quickbi\_train
- \* Password: [masked]
- VPC Data Source: ☐ ⓘ
- Note: Add the following IP addresses to the whitelist: [text area]
- Buttons: Close, Test Connection, OK

- Quick BI is compatible with the ApsaraDB PolarDB MySQL V8.0-compatible edition.
- ApsaraDB for OceanBase data sources are supported.
- The configuration items for Dataphin data sources are optimized.

The schema parameter is changed from a required parameter to an optional parameter.

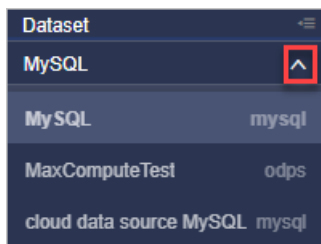
- The maximum allowed size of an Excel file that can be uploaded to a data source is increased from 20 MB to 50 MB.

For more information, see [Create a file data source](#).

- Only administrators are allowed to create data sources. Developers do not have permissions to create data sources.

## Datasets

- The dimension type can be images. For more information, see [Edit a dimension](#).
- The **Use authorization** operation is supported to specify the users who can perform operations on a specified dataset. For more information, see [Manage datasets](#).
- The data source of a dataset can be changed to another data source that is of the same type as the original data source. For more information, see [Optimize dataset performance](#).



## Dashboards and chart analysis

- The filter bars are upgraded.
  - When Display type is set to **Tree drop**, **Multiple choice** is supported for inquiry mode.
  - The **Reset** and **Clear** icons are added.
  - The section that is used to customize time granularity details is optimized. This section appears when Display type is set to **Date selection**.

- When you use a filter bar to query data based on a text field and set the Display type parameter to Drop-down list (formerly enumerated filter) or Tree drop, **Pre-query** is supported for the Query time parameter.

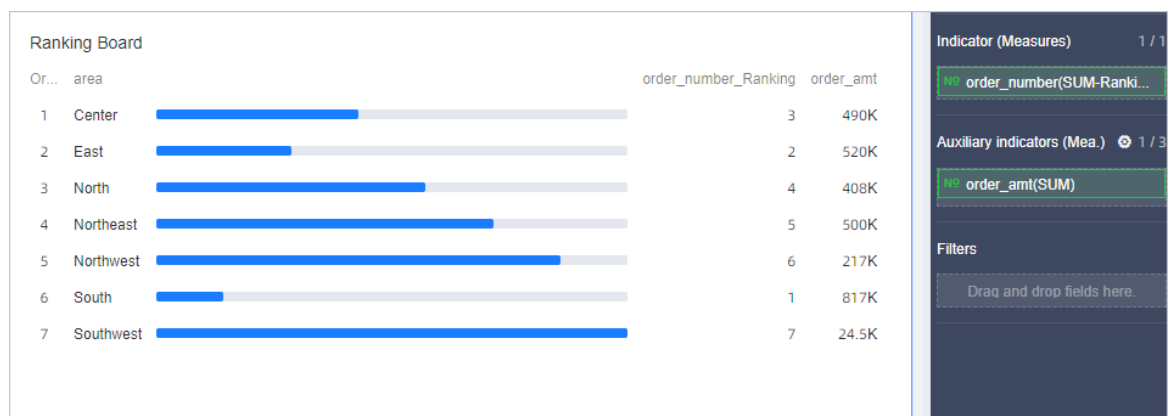
If Pre-query is selected, you can select a value from the drop-down list in the filter bar on the dashboard. The values displayed in the drop-down list are determined based on the configuration of row-level permissions. The default value that is displayed for each account varies based on the configuration of row-level permissions.

For more information, see [Create a query control](#).

- Visual analysis
  - Field filters for dashboard components and workbooks are upgraded.

For more information, see [Query data based on a date field](#).

- Data ranking is supported for cross tables of the latest version and ranking boards. For more information, see [Data ranking](#).



- The Yearly Cumulative Value option is supported for measures. For more information, see [Cumulative calculation](#).

Cross Table of New Version

report_date(day)	order_number	order_number_SUM_Monthly Cumulative Value	order_number_SUM_Quarterly Cumulative Value	order_number_SUM_Current Year Cumulative Value
20090119	157	998	998	
20090121	17	1.01K	1.01K	
20090122	59	1.07K	1.07K	
20090123	1.84K	2.91K	2.91K	
20090124	12	2.92K	2.92K	
20090125	15	2.94K	2.94K	
20090126	81	3.02K	3.02K	
20090128	124	3.14K	3.14K	

Total: 643 < 1 2 3 4 5 ... 33 > 20 / page Go to

Rows: report\_date(day)

Columns: order\_number(SUM), order\_number(SUM-Monthly), order\_number(SUM-Quarterly), order\_number(SUM-Current Year), order\_number(SUM-Yearly)

Filters: Drag and drop fields here

#### Note

- The **Comparison** option is not supported for measures.
- Cumulative Calculation is supported only for measures marked with SUM, such as `order_amount(SUM)`.
- Cumulative Calculation is supported only when the dimension contains one date field and its time granularity is year, quarter, month, week, or day.

- The percentile and median aggregation methods are supported for measures. For more information, see [Configure a measure field](#).

The following table describes the aggregation methods supported by different data sources.

Data source	Supported aggregation method
All data sources that can connect to Quick BI	SUM, AVG, COUNT, COUNT DISTINCT, MAX, and MIN
MySQL, Vertica, SAP IQ (formerly known as Sybase IQ), SQL Server, Presto, Postgre Plus Advanced Server (PPAS), PostgreSQL, Oracle, MaxCompute, Hive, SAP HANA, AnalyticDB for PostgreSQL, GBase, IBM DB2 for LUW, Clivia, ClickHouse, and AnalyticDB for MySQL V2.0	Population Standard Deviation, Sample Standard Deviation, Population Variance, and Sample Variance
HBase	Population Standard Deviation
SAP IQ (formerly known as Sybase IQ), Oracle, MaxCompute, SAP HANA, IBM DB2 for LUW, Presto, HBase, AnalyticDB for PostgreSQL, and PostgreSQL	Median
SAP IQ (formerly known as Sybase IQ), Oracle, MaxCompute, SAP HANA, IBM DB2 for LUW, and ClickHouse	Percentile

- The export feature for dashboard components is upgraded. The export feature for workbooks is also upgraded.
  - The **Export to Image** and **Export to PDF** options are combined into the **Export** icon.
  - The **EXCEL** option is added to allow you to export dashboards and workbooks as Excel files.
  - Dashboards and workbooks can be exported to Object Storage Service (OSS) buckets.

For more information, see [Manage dashboards](#).

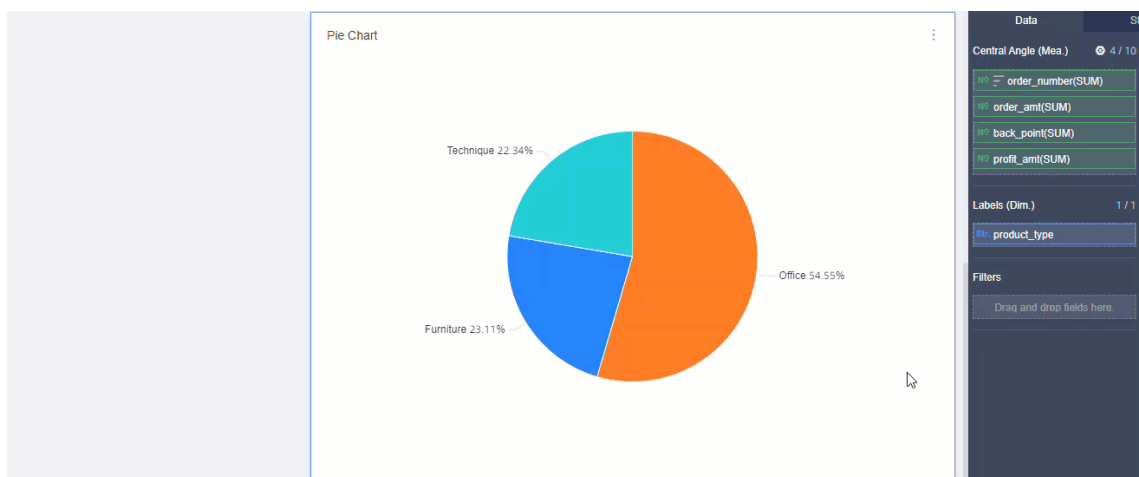
- The Data Display Format parameter is moved from the **Series Settings** section to the **Data** tab. This allows you to view data display formats of measures and configure data display formats for multiple measures at a time in an efficient manner.
  - The Data Display Format parameter is optimized and moved to the **Data** tab.
  - Batch alignment is supported for cross tables and ranking boards.

Order profit details

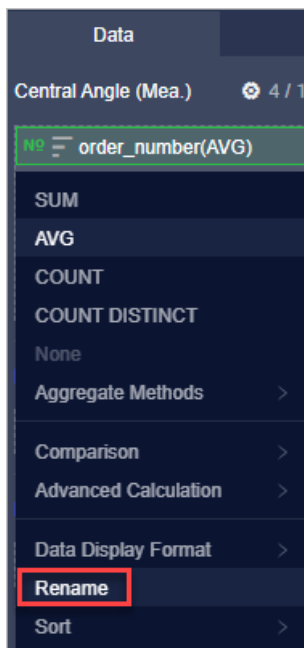
area	province	city	product_type	product_sub_type	order_level	shipping_type	product_box	report_date(year)	order_number	order_amt	back_point	profit_amt	price	shipping_cost
Center	Henan	Anyang	Furniture	Chair	Others	Truck	Huge Box	2010	33	5.66K	0	1.06K	161	30
				Envelop	L3	Train	Small Box	2012	15	180	0.04	-8.11	11.6	6.97
				Paper	L1	Train	Small Box	2010	46	979	0.01	321	20	5.86
				undefined	L1	Train	Small Box	2009	4	3.51K	0.05	232	897	20
					Others	Train	Small Box	2010	2	13.3	0.08	-10.3	4.24	5.41
			Office	undefined	Others	Train	Small Box	2009	50	877	0	-127	16	13.2
		Jiaozuo	Furniture	Table	L1	Truck	Huge Paperbag	2010	33	6.17K	0.03	-433	179	29.2
			Office	Box	L2	Train	Small Box	2009	32	384	0.03	-21.1	12.2	4.81
								2011	95	604	0.11	-277	24.7	18.3
				Pen	L2	Train	Paperbag	2010	46	158	0	-116	3.28	3.97
					Others	Train	Paperbag	2009	61	293	0.17	-182	16.7	19.9
		Luoke	Technique	Accessory	L3	Train	Small Box	2010	17	618	0.12	-90.2	57	7.53
				Machines	L1	Truck	Huge Box	2009	1	2.79K	0	-5.57K	2.55K	29.7
			Furniture	Telephone	L3	Train	Small Box	2010	33	2.53K	0	731	86	2.79
				Chair	L2	Truck	Huge Box	2011	37	12.6K	0.06	3.33K	351	39
				Decorator	L2	Train	Small bag	2012	37	832	0.04	175	22.7	8.99
		Luoyang	Office	Label	Others	Plain	Small Box	2012	68	4.84K	0.04	1.58K	146	14.7
				Paper	L1	Train	Small Box	2012	1	27.1	0.05	-15.6	4.98	7.44

Total: 991 < 1 2 3 4 5 ... 50 > 20 / page Go to

- Batch configuration of aliases, aggregation methods, and value display formats is supported.

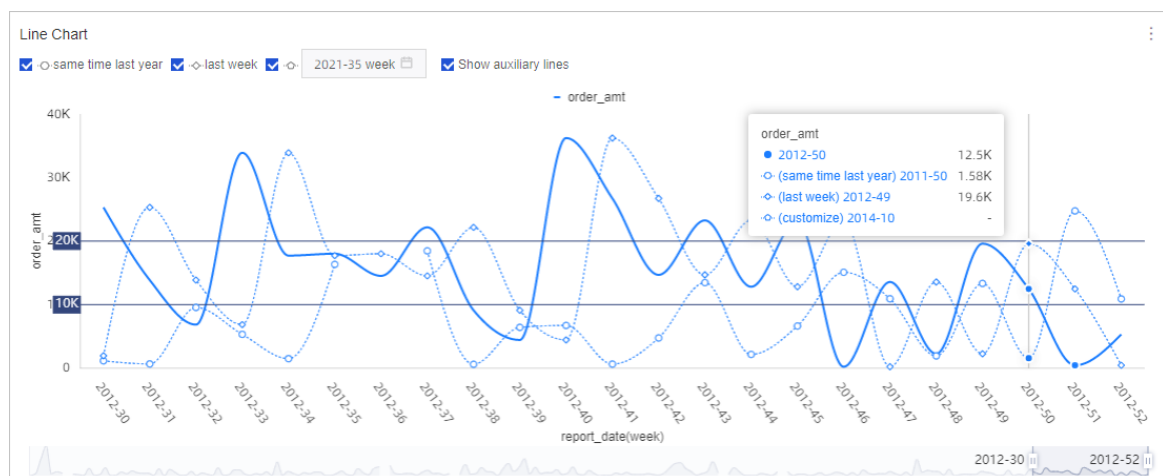


- Measures can be renamed.



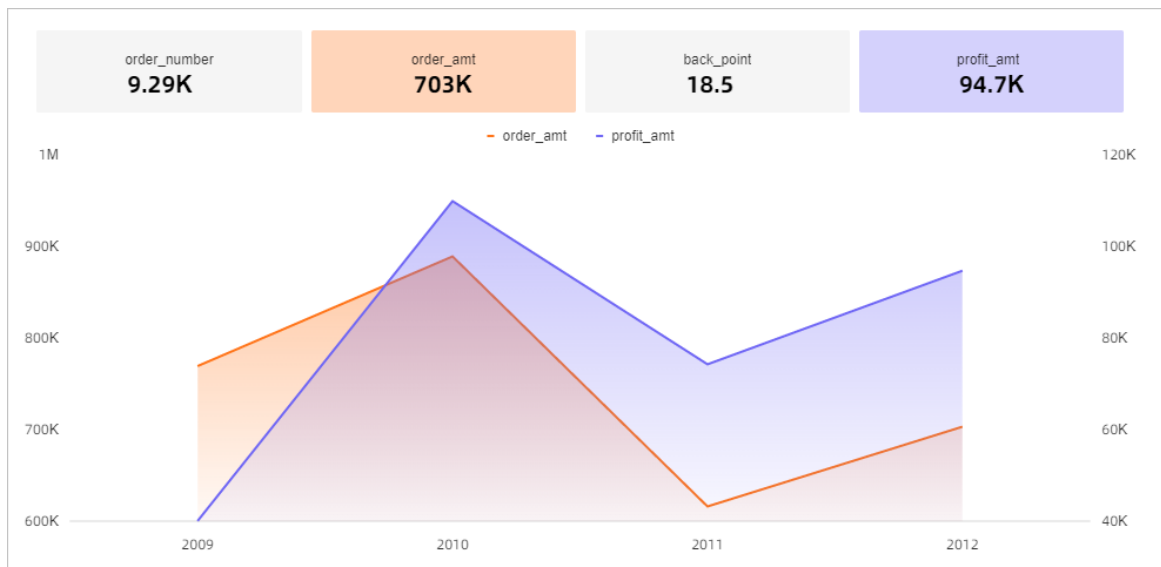
For more information, see [Configure multiple measure fields](#).

- The data comparison feature is supported for line charts. For more information, see [Add data comparison](#).

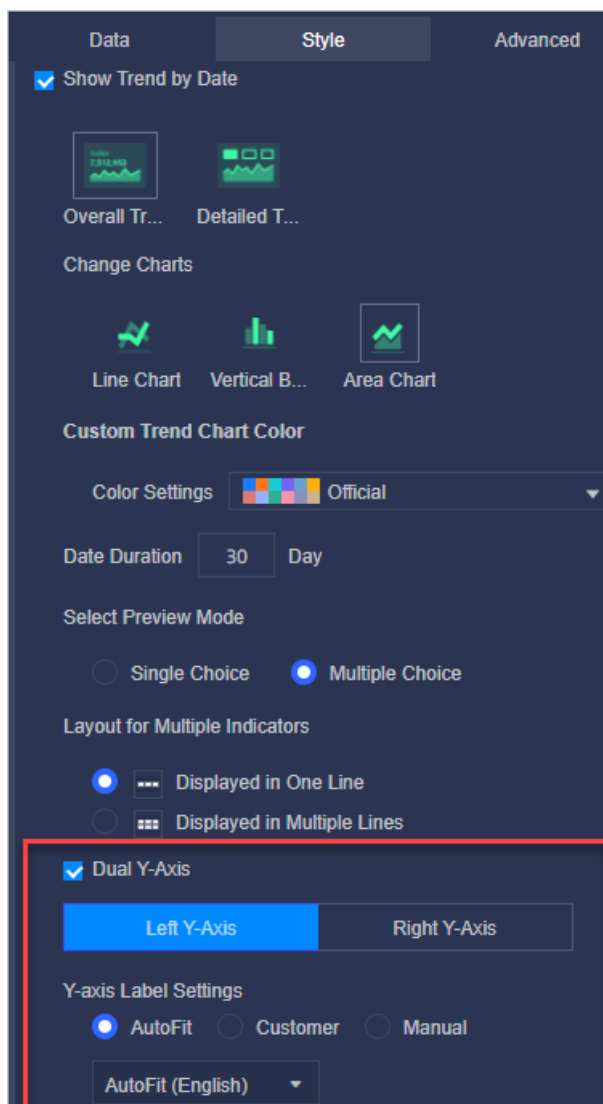


- Trend indicator charts are optimized.

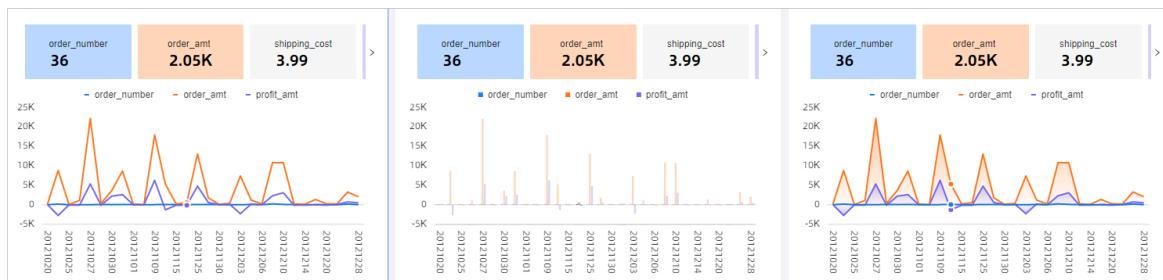
- Secondary Y-axes are supported.



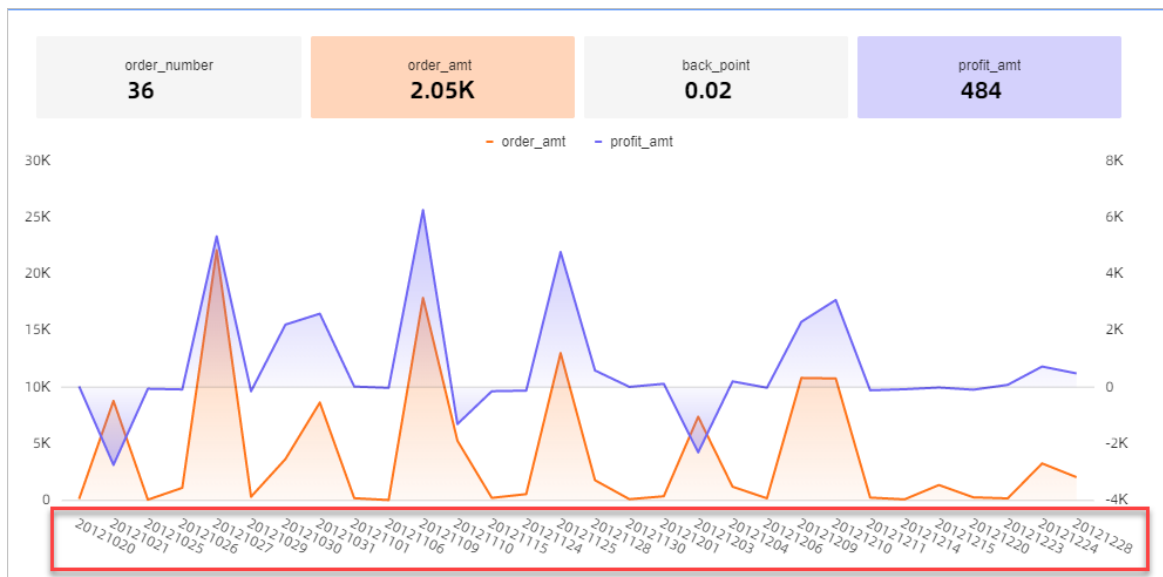
- The display formats for secondary Y-axes can be configured.



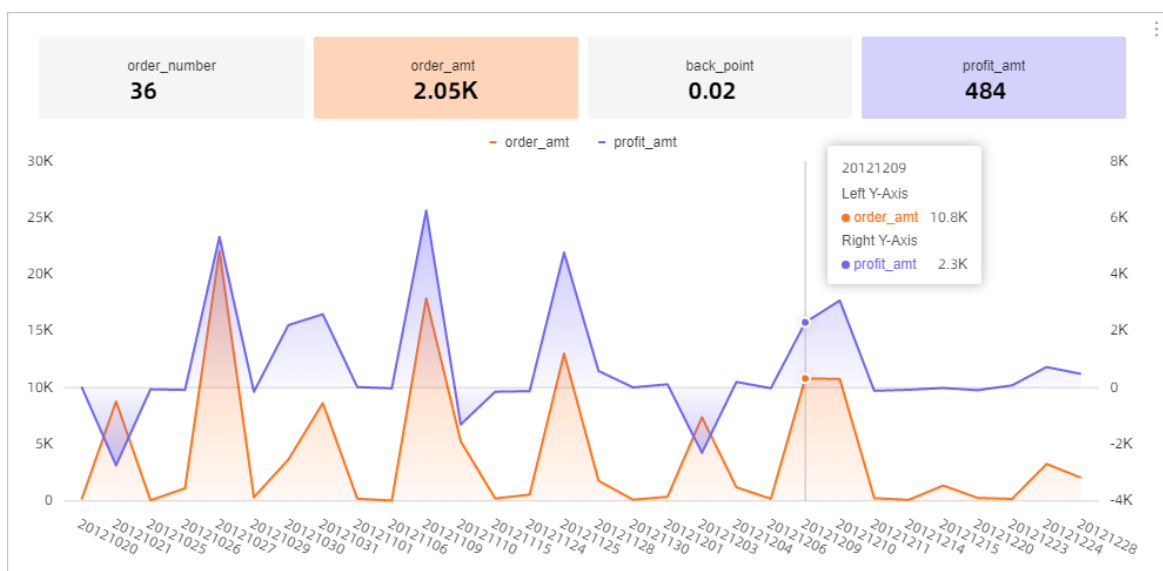
- Trend charts can be switched between line charts, area charts, and column charts.



- The styles, sizes, and layouts of axes are upgraded.



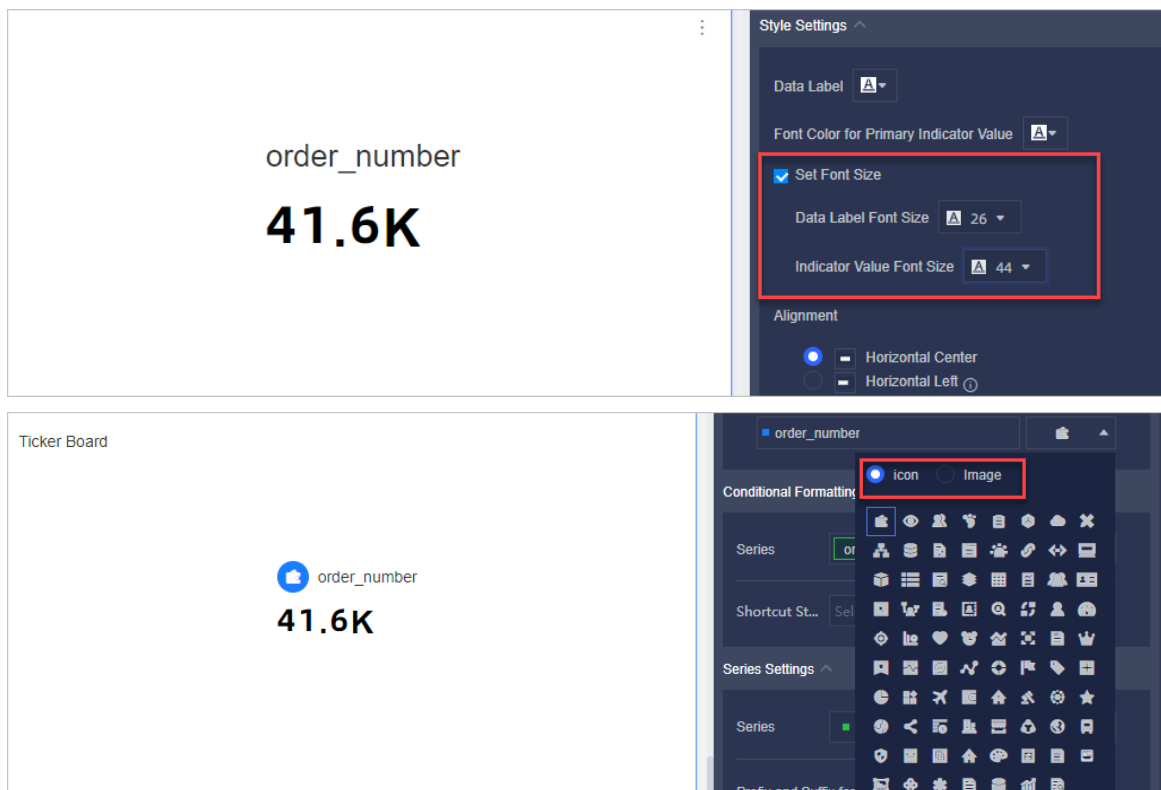
- When you move your pointer over a general trend chart that shows the trends of all specified measures, a tooltip that provides the value of each measure on the corresponding date appears.



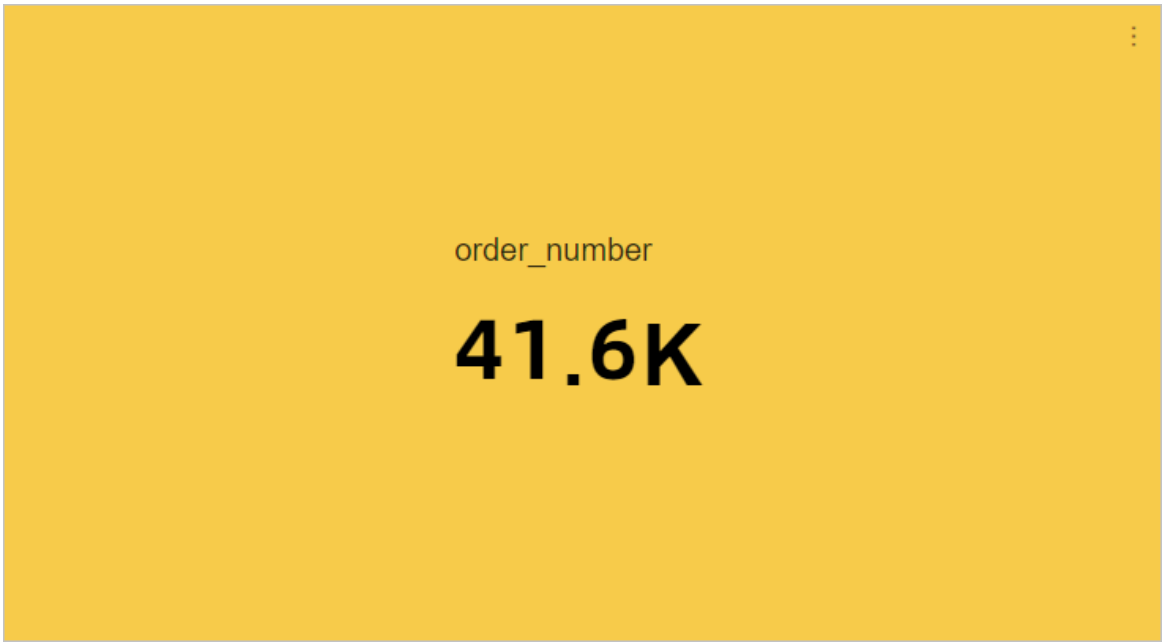
- When you move your pointer over a single-measure trend chart, a tooltip that provides the corresponding date appears and the values of the other measures on this date are displayed on their corresponding trend charts.



- Highlights for filter interaction and dimension switchover are supported for waterfall charts, scatter charts, and bubble charts.
- Ticker boards are optimized.
  - Images can be added as icons, font sizes can be customized, and diagrams can be added.

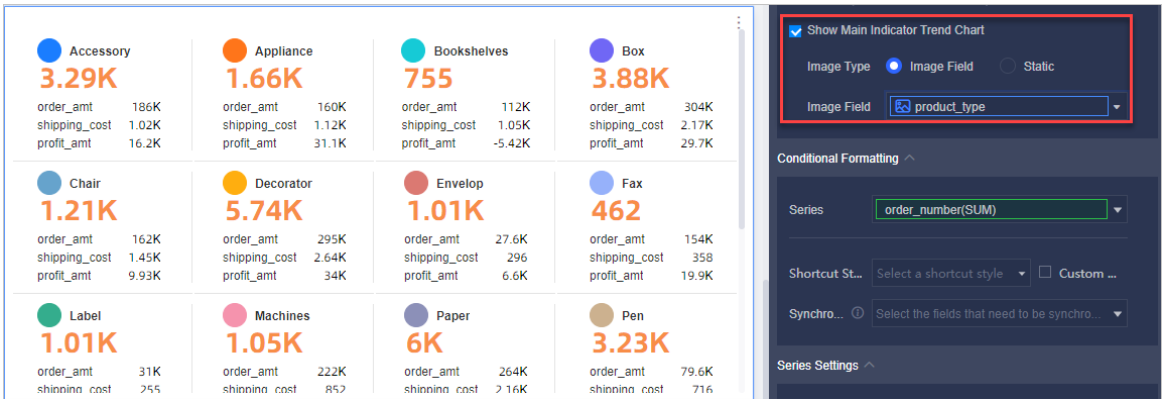


- Background colors and background images can be customized.

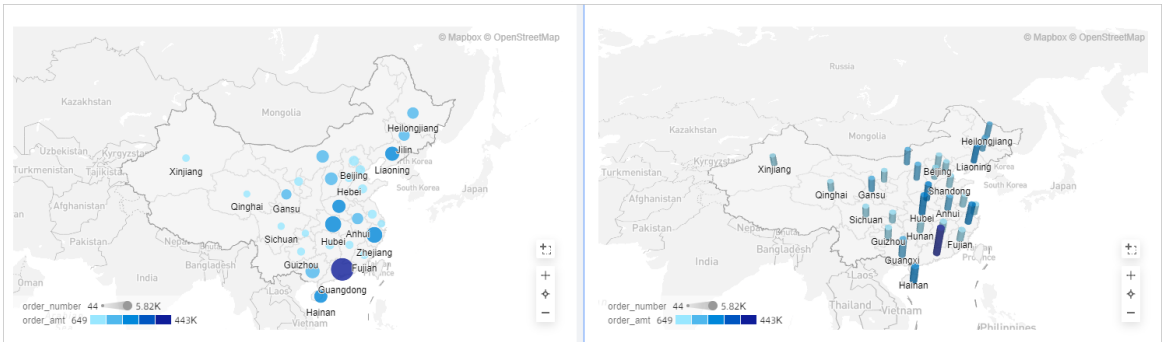


For more information, see [Ticker board](#).

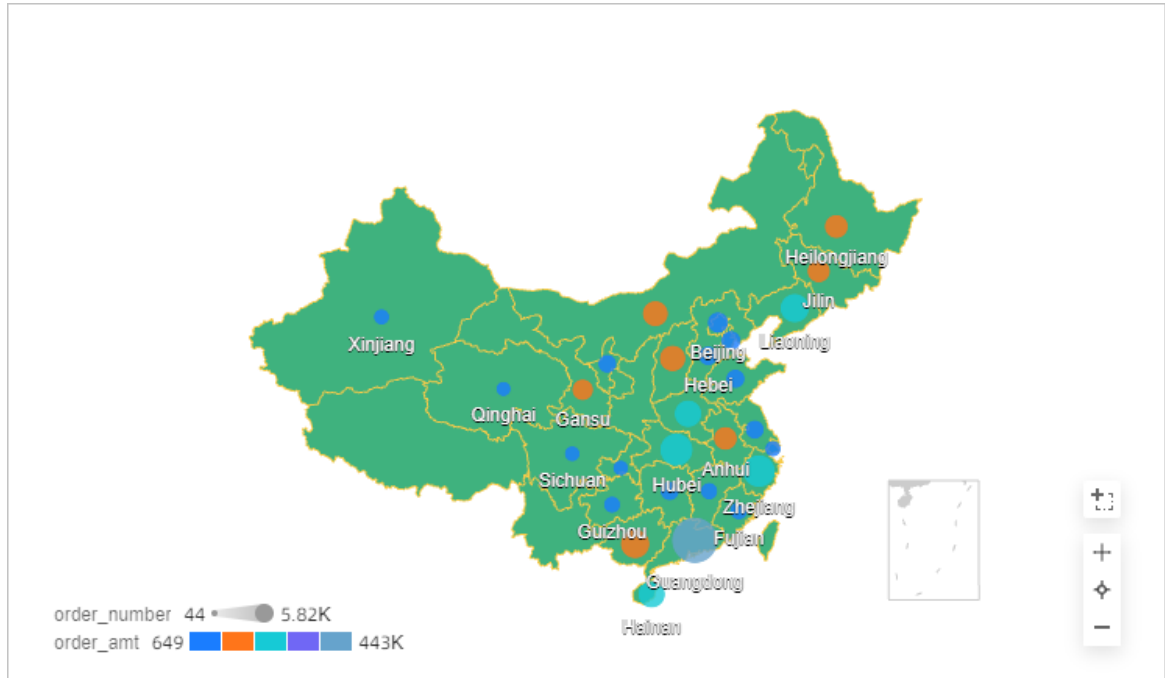
- Kanbans are optimized.
  - Images can be added to kanbans.



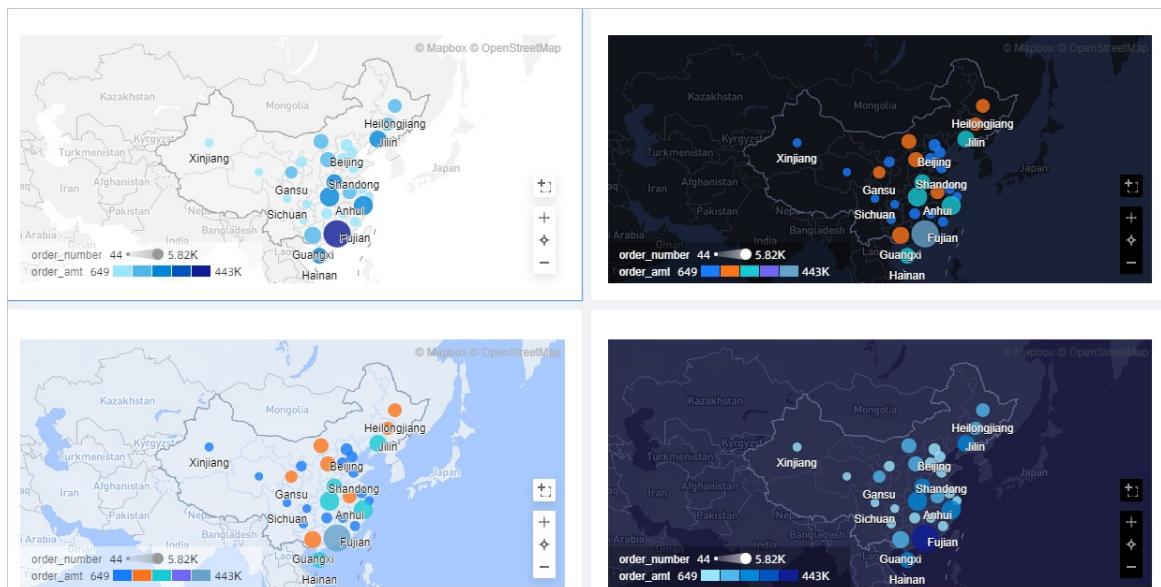
- Timeline charts and dynamic bar charts are supported.
- Colored maps and geo bubble charts are optimized.
  - The Minimal and 3D Filling options are added for the Style Template parameter.



- Map color
  - Fill color is supported. The default background color is gray. If no fill color is specified for a map, the default background color is applied.
  - Border color is supported. By default, no border color is applied.



- Four types of basemaps are added.



- 3D maps are supported.



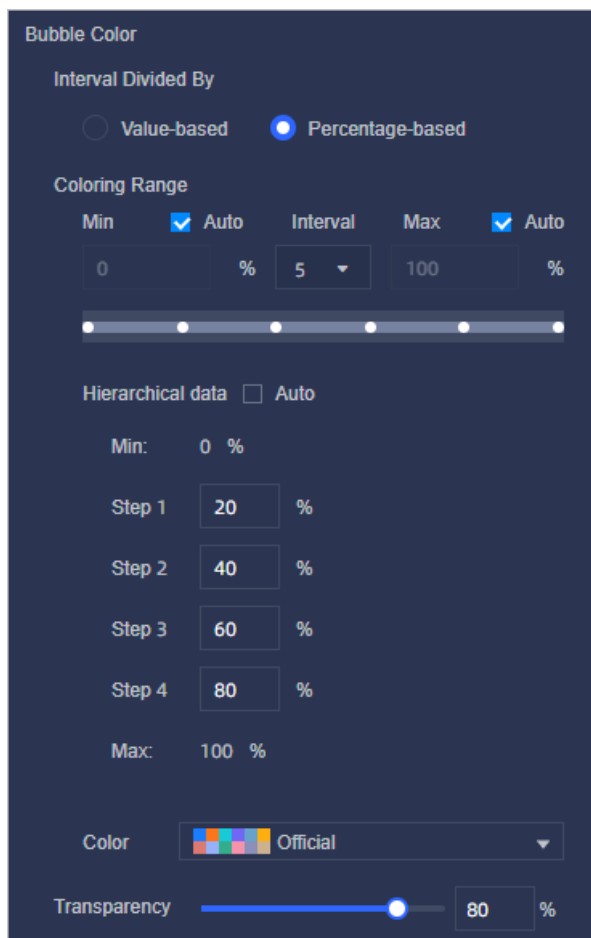
- Labels can be displayed. Region names and measure values can be displayed at the same time.



- The measure values in a chart are automatically summed. This facilitates comparison and analysis.



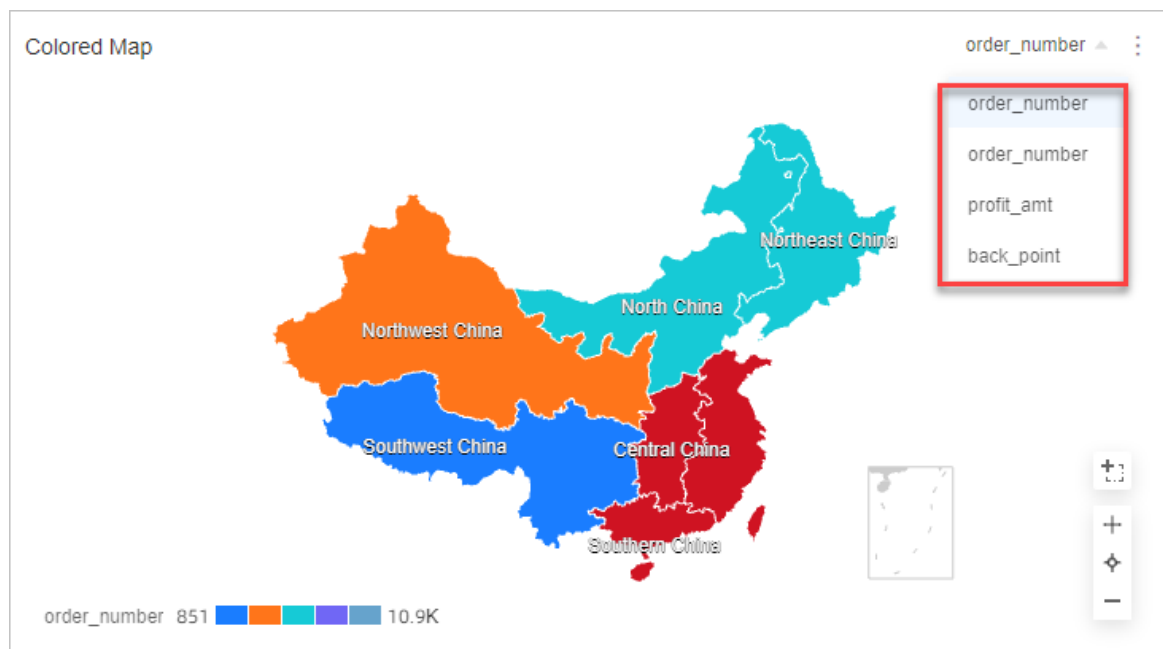
- The Percentage-based option is supported when you configure the range of colors.



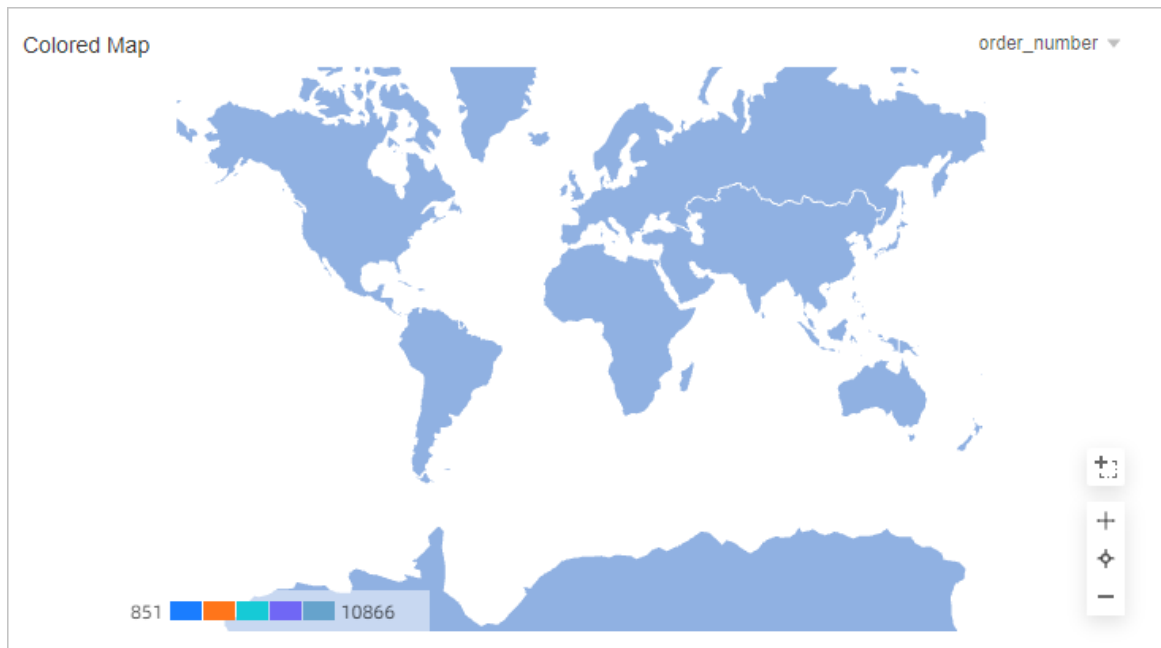
- For a color map, the three regions with the largest measure values and the three regions with the smallest measure values are highlighted. For a geo bubble chart, the three bubbles that indicate the largest measure values and the three bubbles that indicate the smallest measure values are highlighted.



- The measure specified for a chart can be changed by selecting another measure from the measure drop-down list in the upper-right corner of the chart. This helps you perform multidimensional analysis.



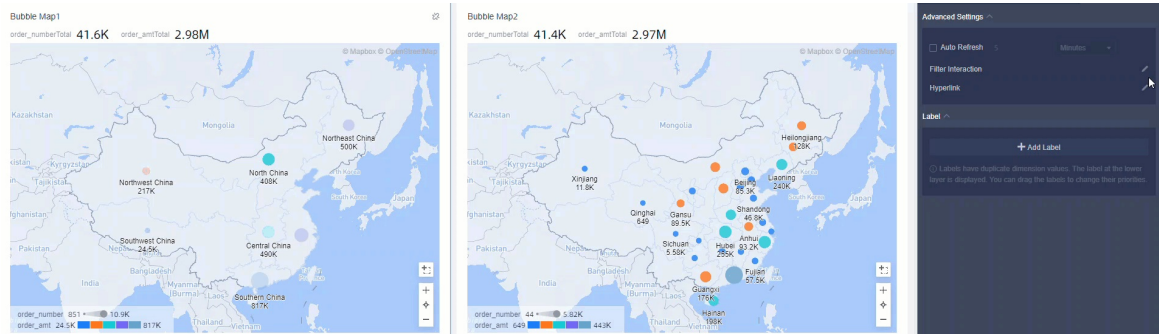
- Continental maps are supported. Before you create a continental map based on a dimension in a dataset, you must change the dimension type by choosing **Geo > Continent**.



- A specific area can be selected to zoom in.

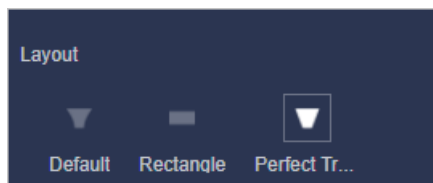


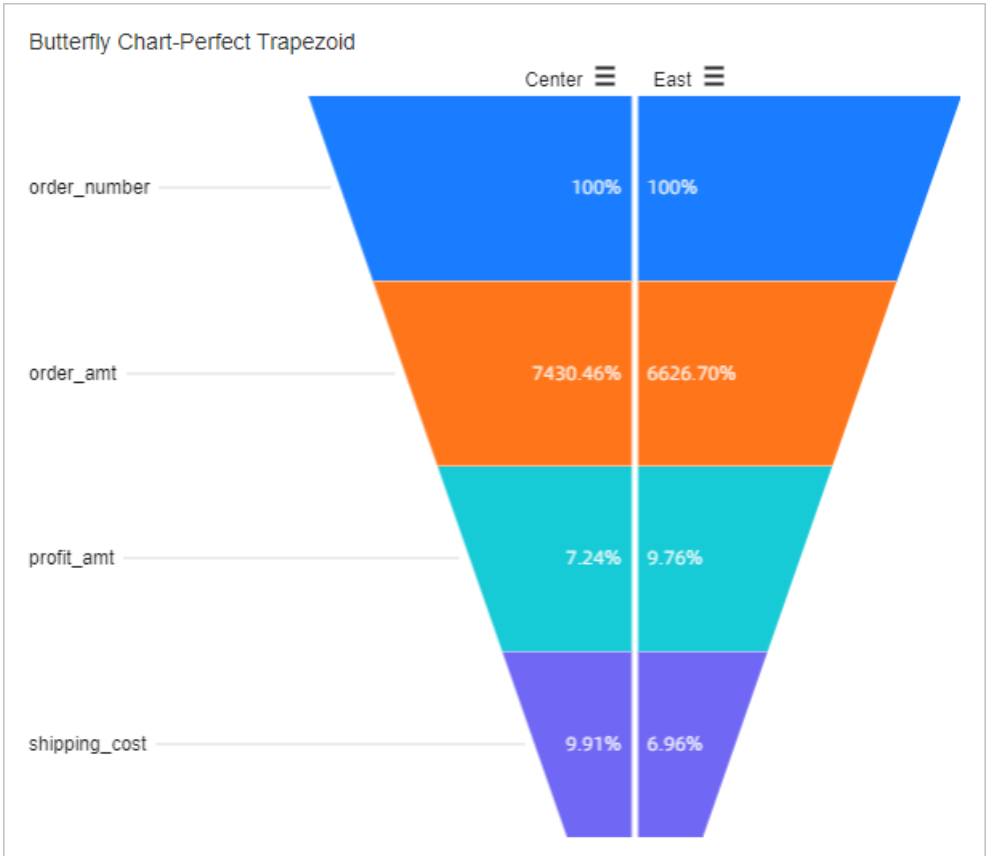
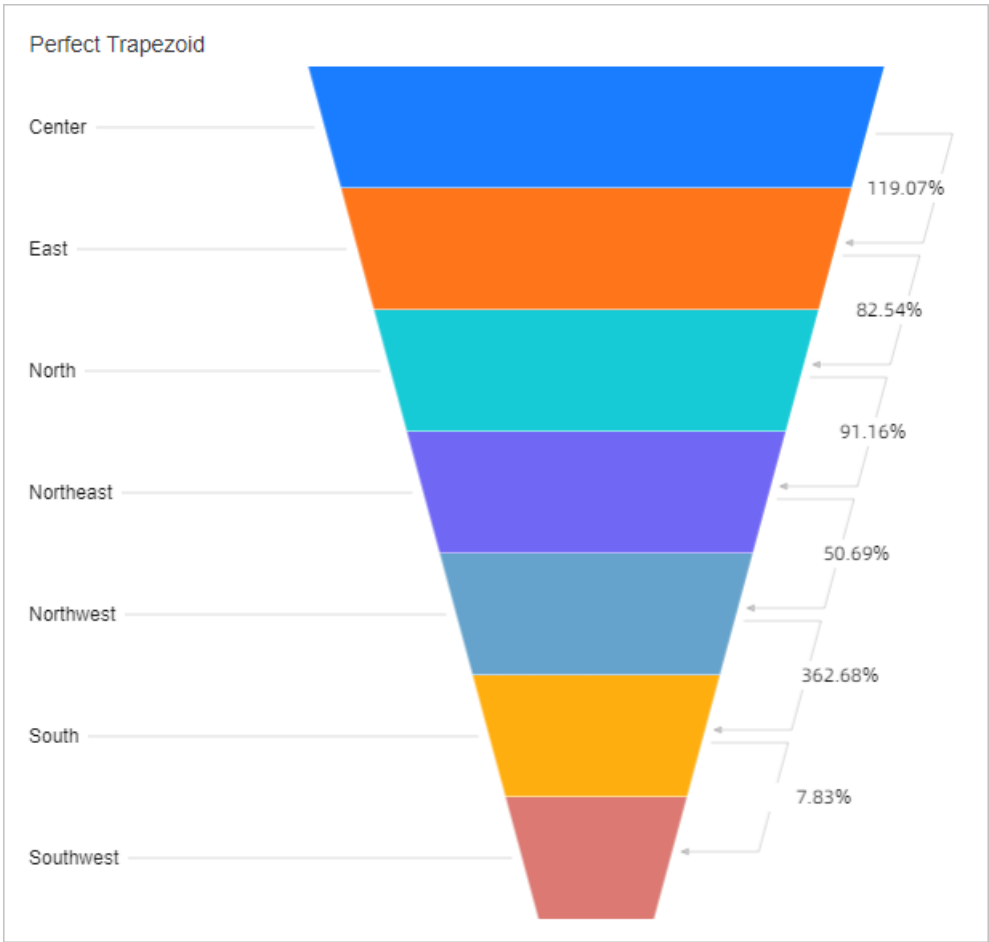
- The filter interaction feature is optimized. After you click an area in a chart, the associated charts on the dashboards display data of the selected area.



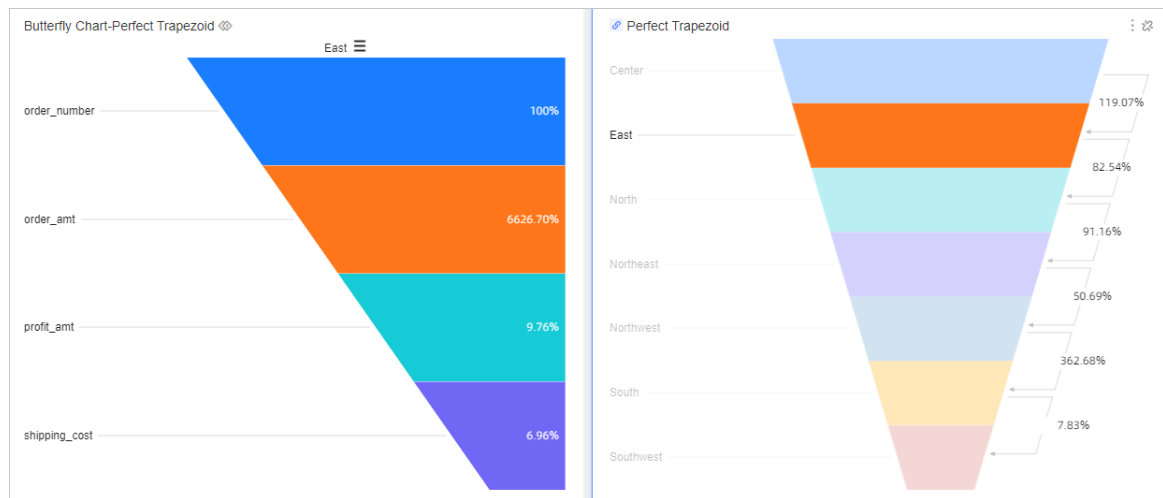
For more information, see [Filled map](#) and [Bubble map](#).

- LBS heat maps and LBS flying line maps are supported in group workspaces of Quick BI Enterprise Standard Edition. For more information, see [LBS heat maps](#) and [LBS flying line maps](#).
- Funnel charts are optimized.
  - The Perfect Trapezoid layout is supported. In this layout, the width of each layer is not determined by the measure value. A funnel chart in the Perfect Trapezoid layout is used only to show values across stages in a process.





- Associated areas are highlighted.



For more information, see [Funnel chart](#).

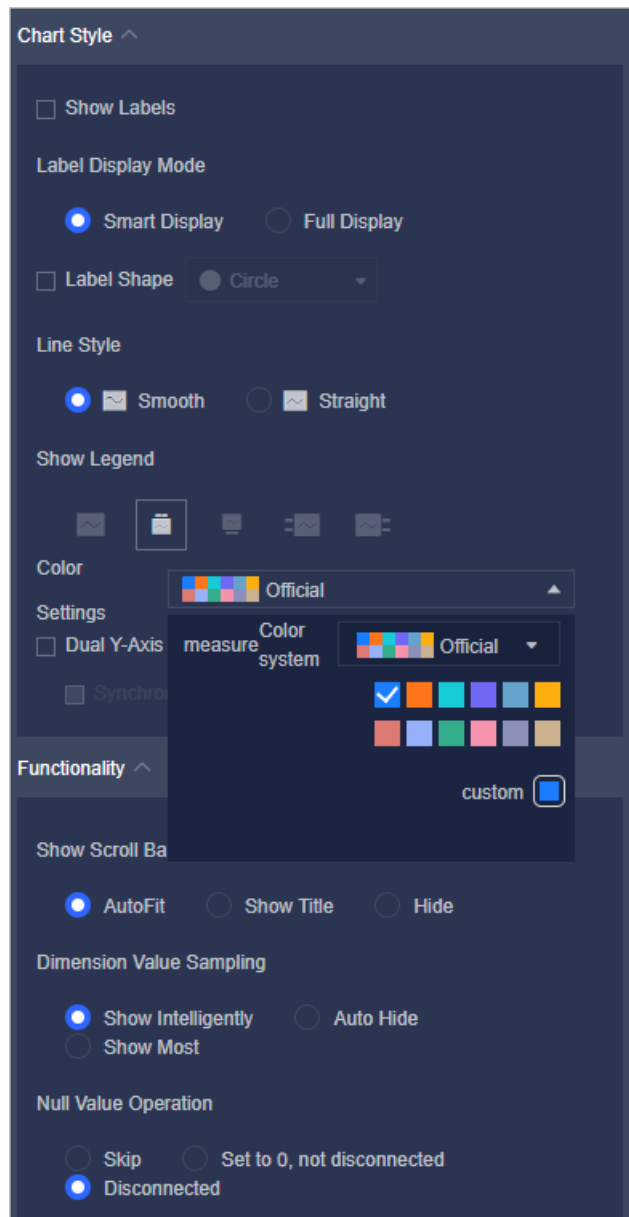
- Word clouds are optimized.



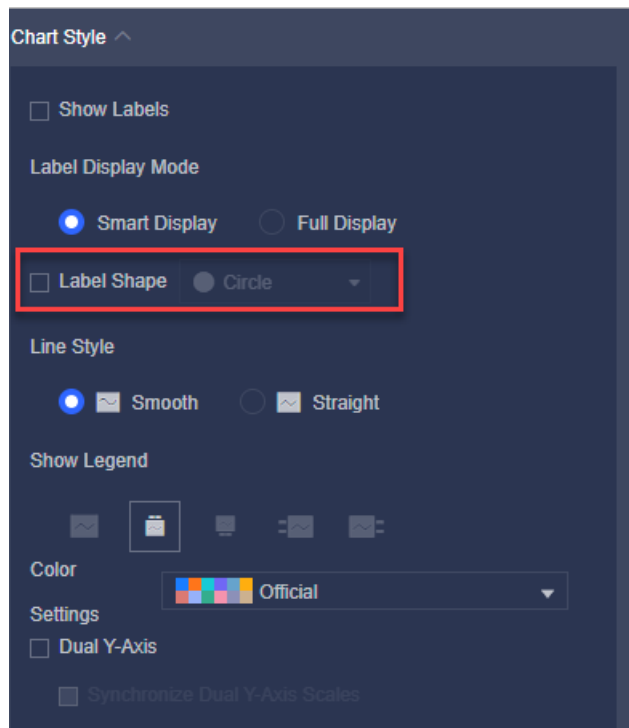
For more information, see [Word cloud](#).

- Scatter charts and bubble charts are optimized. For more information, see [Bubble chart](#).  
The **Median Value** option is supported for the Axis Value parameter after the four-quadrant feature is enabled.
- The following types of charts are optimized: line charts, column charts, stacked column charts, 100% stacked column charts, area charts, stacked area charts, 100% stacked area charts, bar charts, stacked bar charts, 100% stacked bar charts, and combination charts.

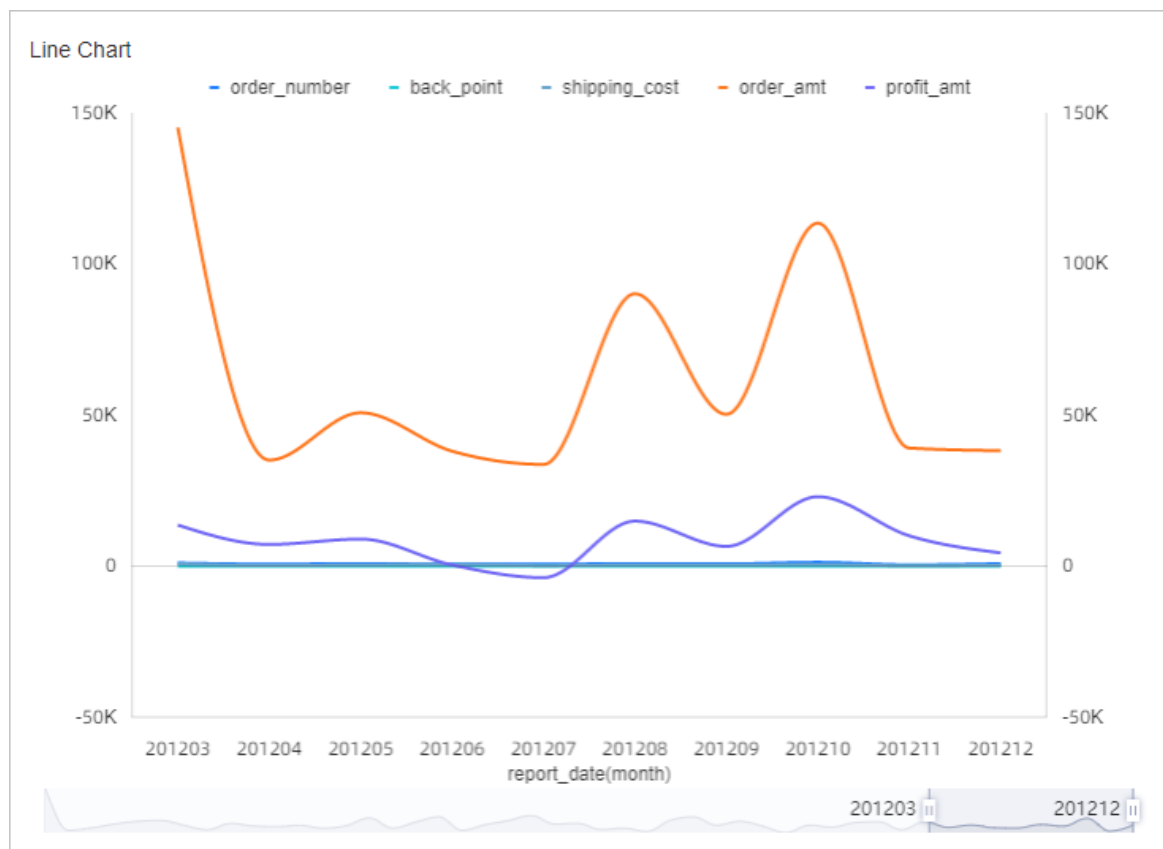
- Color legends can be sorted. You can configure different colors for different measures on the Style tab.



- Batch configuration of tags is supported for line charts, area charts, stacked area charts, and 100% stacked area charts.

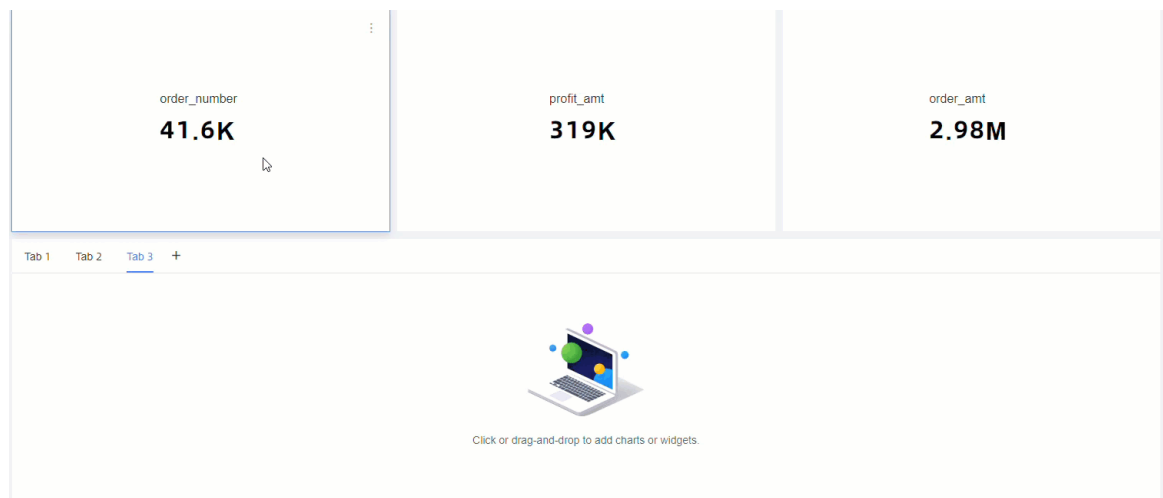


- Alignment of the primary and secondary Y-axes is supported.

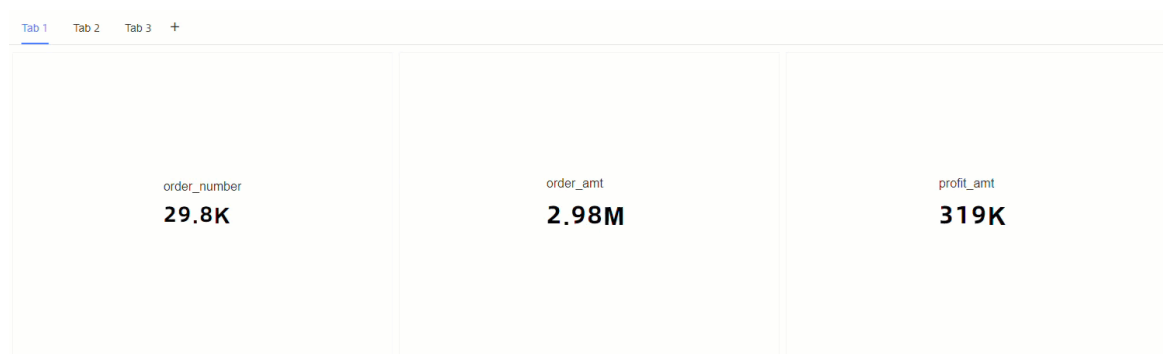


- Tab upgrades

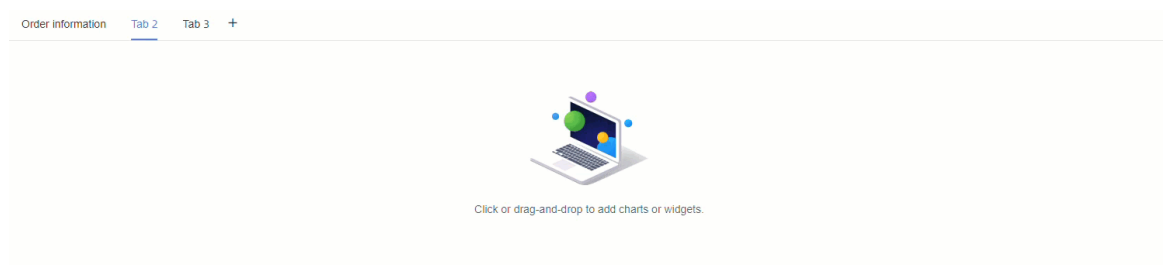
- Charts can be dragged into and out from tabs.



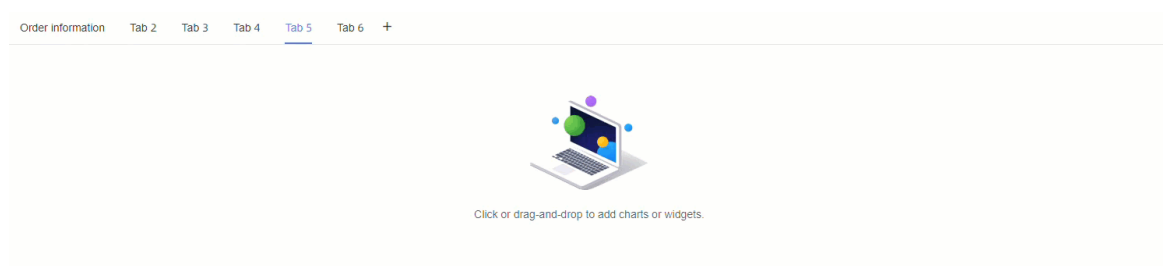
- Tab names can be customized.



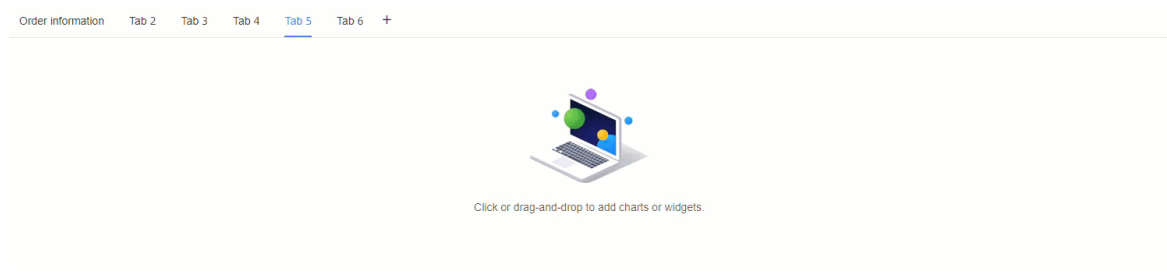
- Tabs can be added.



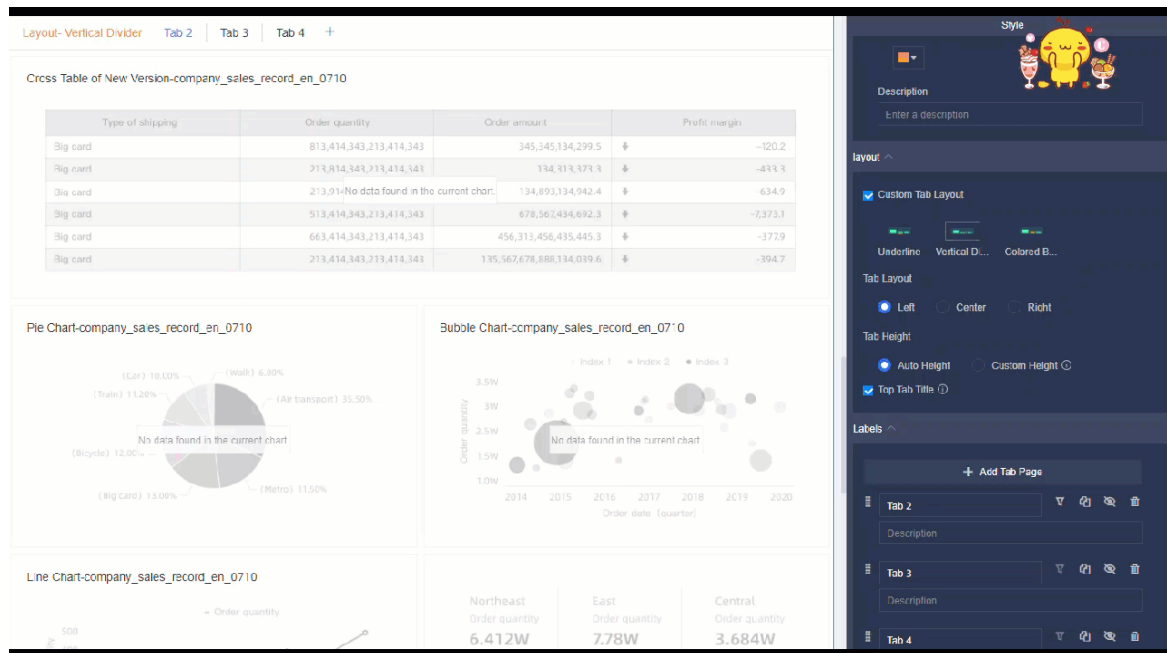
- The order of tabs can be adjusted.



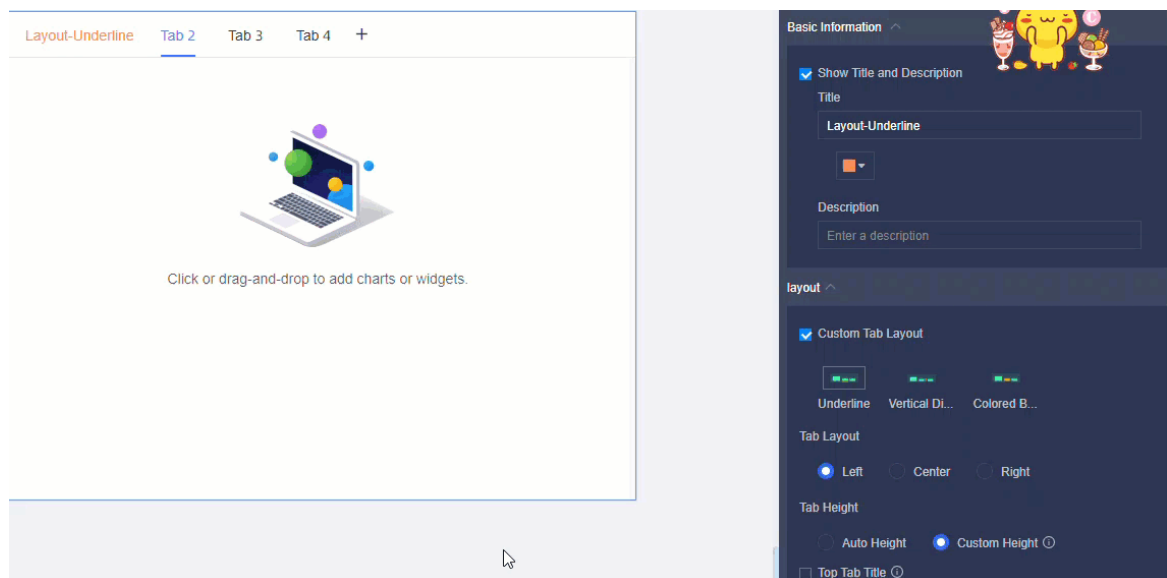
- Tabs can be copied.



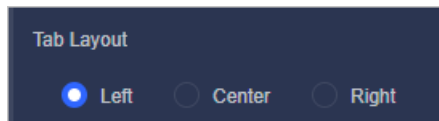
- The tab bar can be stuck on the top.



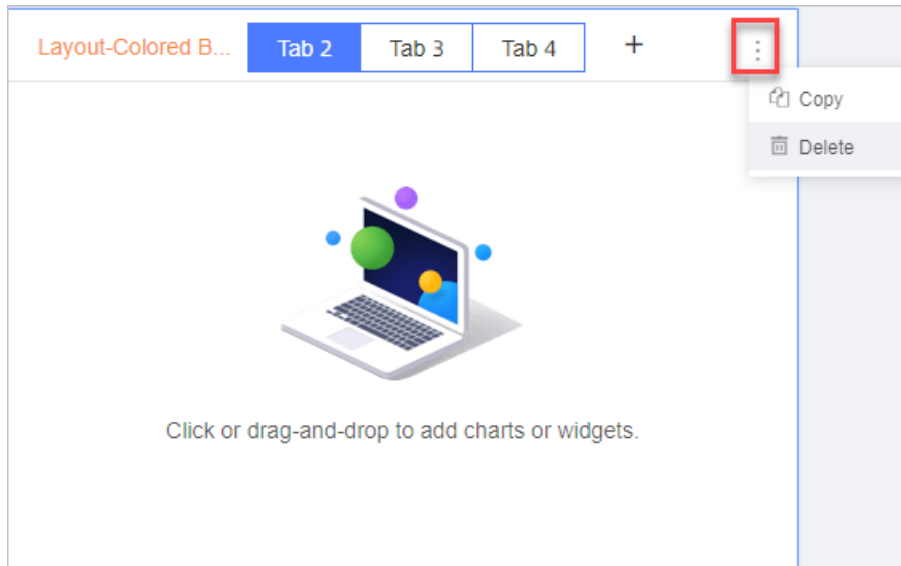
- Auto Height and Custom Height are supported for Tab Height.



- The Center option is supported for Tab Layout .



- Tabs can be copied or deleted.



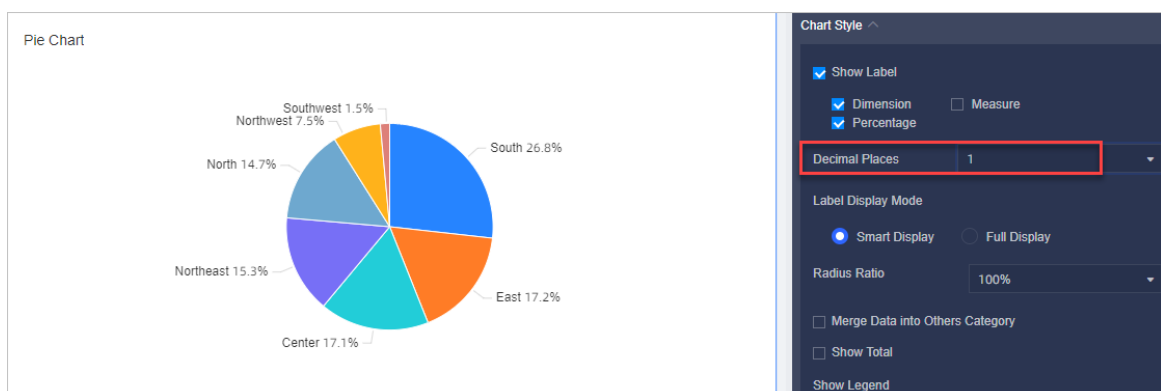
For more information, see .

- Two formulas can be used to calculate the percentage of completion that appears in progress bars, circular bars, and liquid fill gauges.
  - Percentage of completion =  $\text{Actual value} / \text{Expected value} \times 100\%$
  - Percentage of completion =  $[1 - (\text{Actual value} / \text{Expected value} - 1)] \times 100\%$

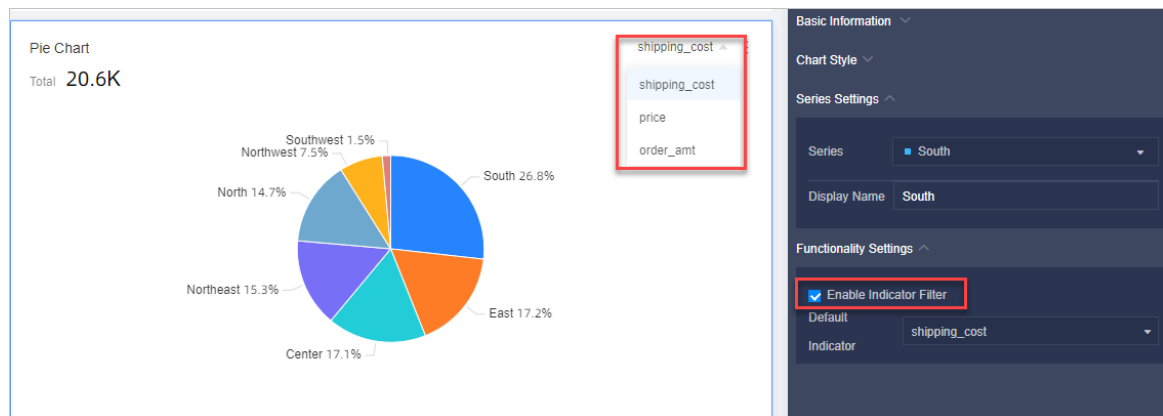
**Note** By default, this formula is used. This formula takes effect only when the expected value is a negative number.

For more information, see [Progress bar](#).

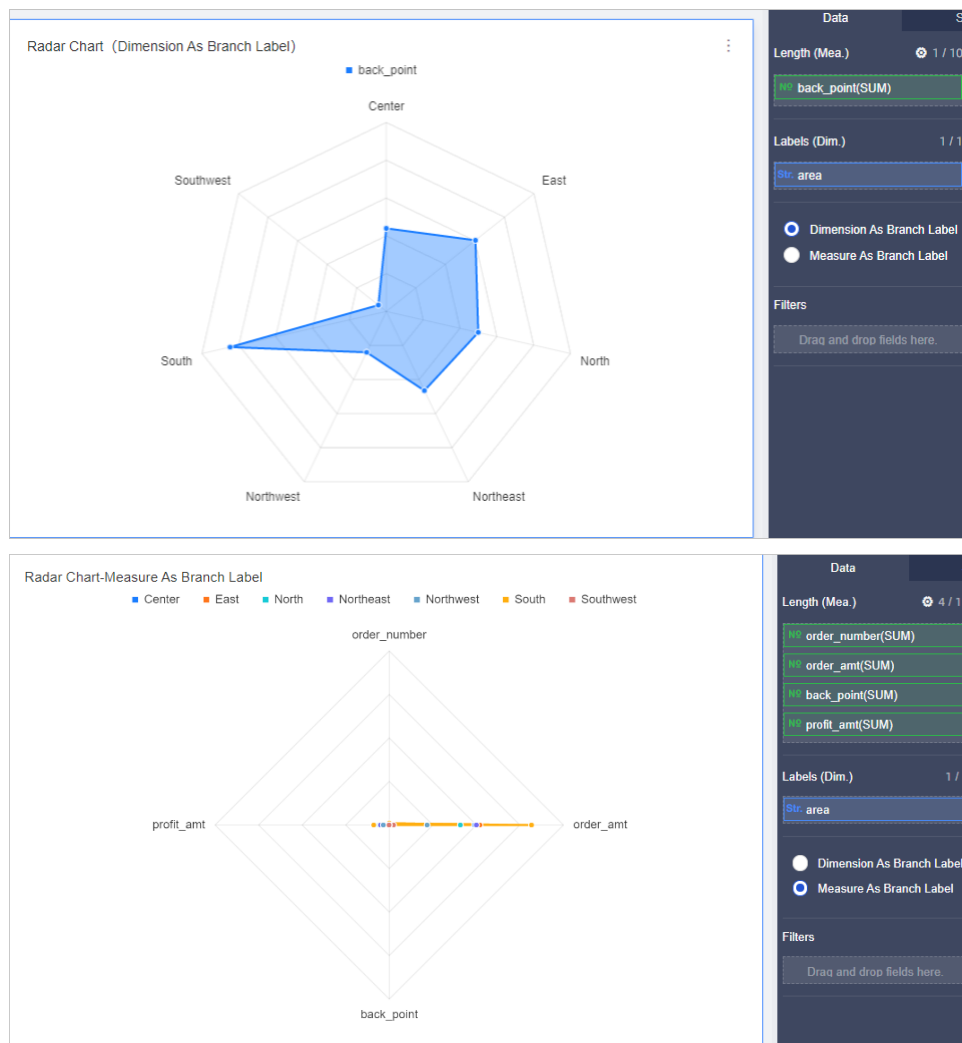
- Pie charts are upgraded. For more information, see [Pie chart](#).
  - The **Decimal Places** parameter is added in the **Chart Style** section.



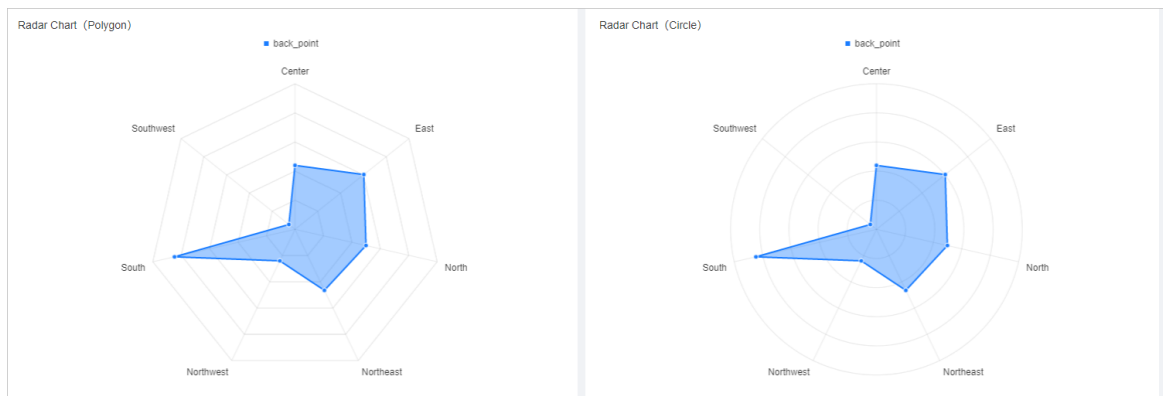
- The **Enable Indicator Filter** parameter is added in the **Functionality Settings** section.



- **Smart Display** and **Full Display** are supported for **Label Display Mode**.
- Radar charts are upgraded. For more information, see [Radar charts](#).
- **Dimension As Branch Label** and **Measure As Branch Label** are added to the **Data** tab.



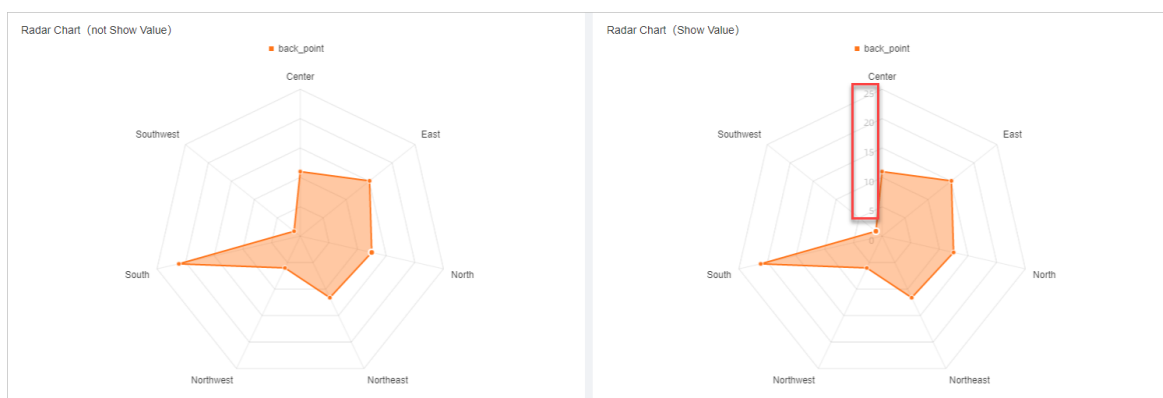
- Polygon and Circle are supported for Layout.



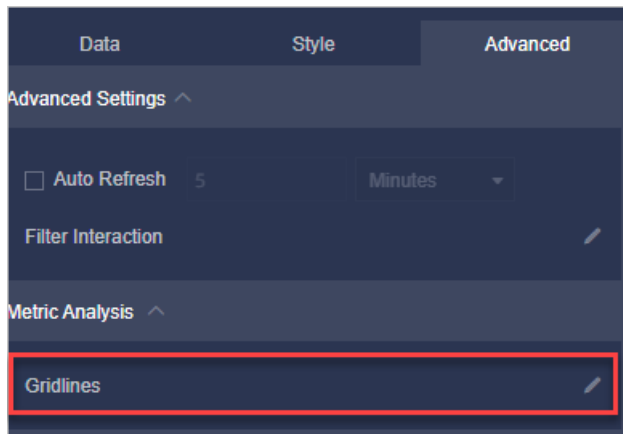
- Smart Display is supported for Show Labels.
- The maximum value for an axis can be configured.



- Labels on the vertical axis can be displayed.



- Auxiliary lines are supported.



- Treemap charts are upgraded. For more information, see [Treemap](#).
  - By default, measure values are displayed in descending order from the upper-left corner to the lower-right corner.
  - **Percentage** and **Measure** are supported for **Show Label**.
- Polar area charts are upgraded. For more information, see [Polar diagrams](#).
  - **Polar diagram** was renamed **Polar area chart**.
  - By default, measure values are displayed in descending order.
  - Label display modes are optimized.
- Story Builder is added. For more information, see [Story Builder](#).

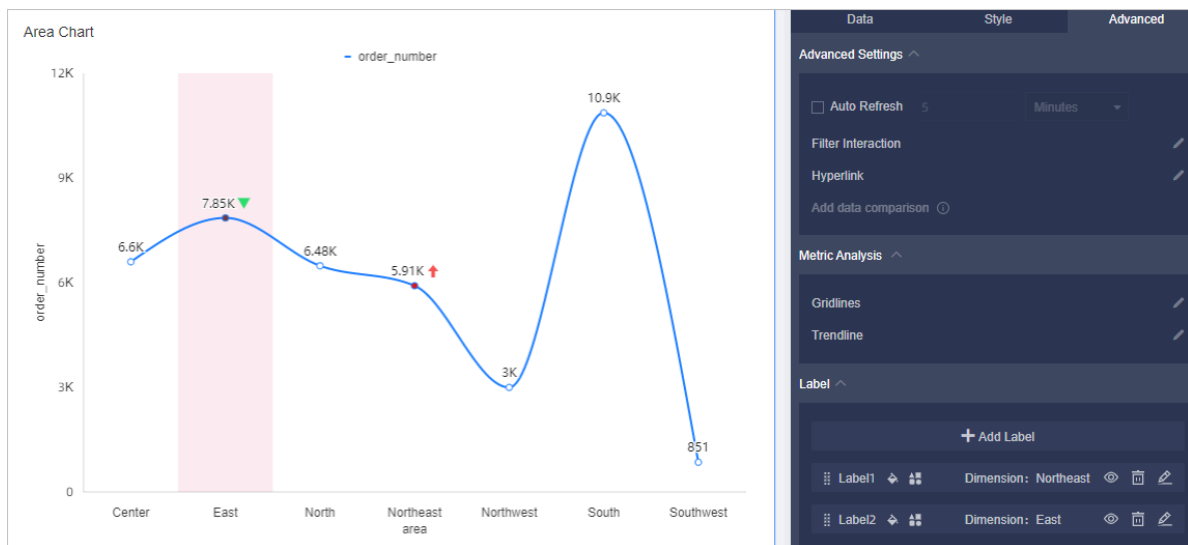
Cross Table

report_date(month)	back_point	order_amt	profit_amt
200901	5.349999999999997	218768.77499999892	4897.489999999999
200902	1.02	34495.93999999999	1866.2900000000002
200903	0.9400000000000002	38419.4565	-1355.07
200904	1.989999999999995	58472.79949999994	-1313.31
200905	2.159999999999993	53094.88499999998	-1099.4400000000002
200906	2.559999999999999	60461.200499999904	9927.759999999999
200907	1.8900000000000003	46088.6245	7044.389999999985
200908	0.79	20862.1795	1813.54
200909	1.5800000000000003	65996.37399999998	1177.67
200910	1.51	45834.78449999994	4434.74

The image shows a 'Cross Table' with 4 columns: report\_date(month), back\_point, order\_amt, and profit\_amt. The table contains 10 rows of data. A red rectangle highlights the right side of the table, showing a list of chart types: Cross Table, Bubble Chart-comp, Trend Indicator-comp, Colored Map-comp, Colored Map-comp, and Ranking Board-comp.

- The annotation feature is supported. For more information, see [Label](#).

Annotations can be added to line charts, column charts, 100% stacked column charts, bar charts, stacked bar charts, 100% stacked bar charts, area charts, stacked area charts, 100% stacked area charts, and combination charts.

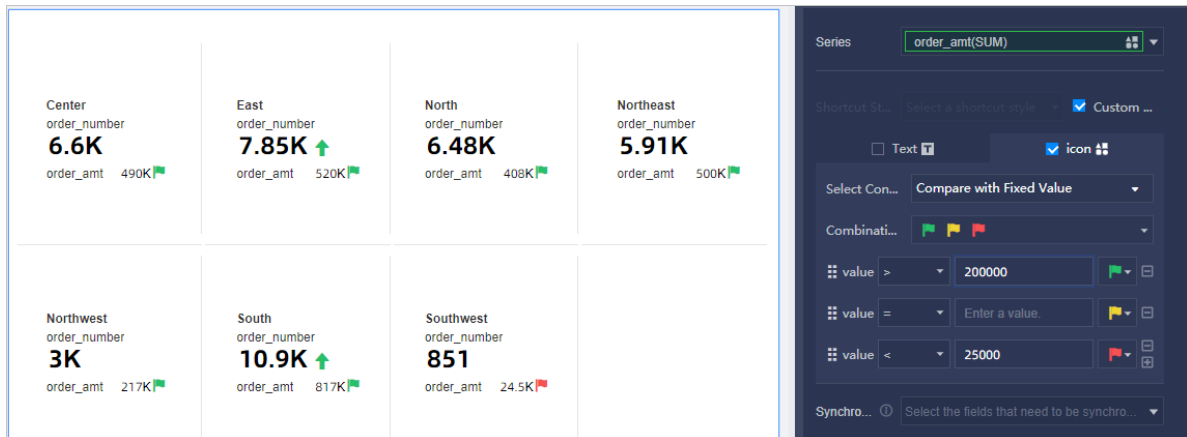


- Dynamic playback is supported for bubble charts and scatter charts. For more information, see [Bubble chart](#) and [Scatter chart](#).
- Auxiliary indicators are supported for ranking boards. A maximum of three measures can be added as **auxiliary indicators** for each ranking board. For more information, see [Ranking board](#).



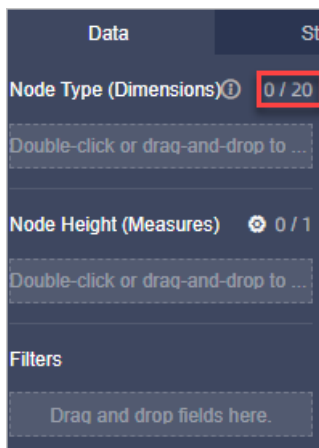
- Conditional formatting is supported. For more information, see [Kanbans](#).

Conditional formatting is supported for kanbans, trend indicator charts, ranking boards, ticker boards, and rich text boxes.

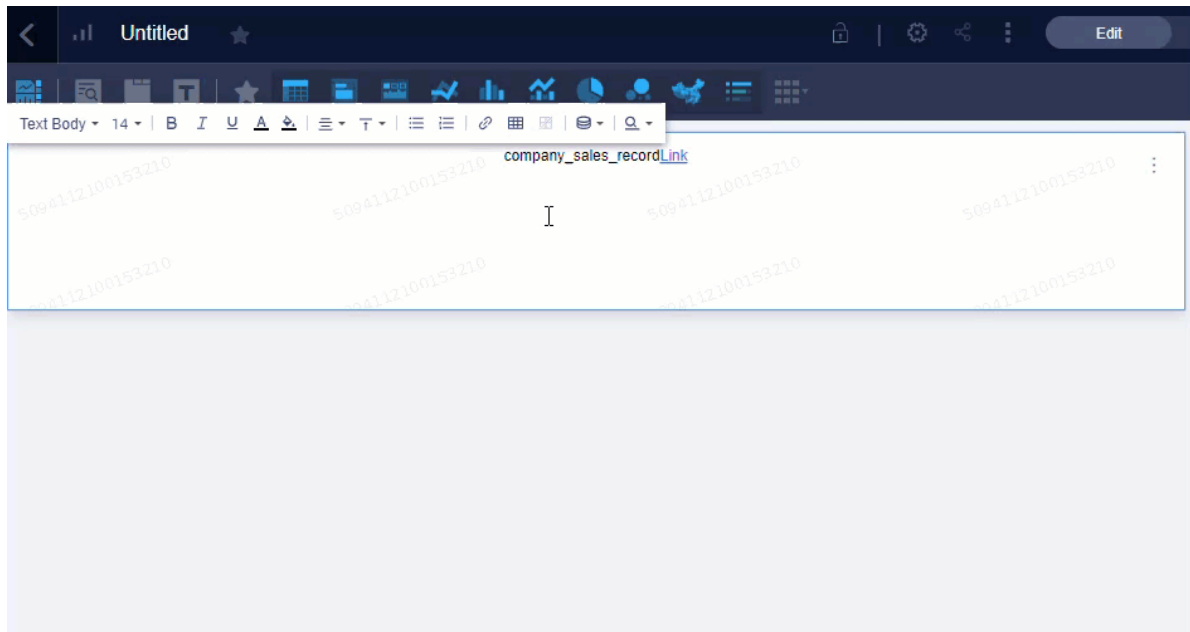


- Images can be added to cross tables and ranking tables.
- The visual effect of trend indicators is upgraded. For more information, see [Trend indicator charts](#).
- Sankey diagrams are upgraded. For more information, see [Sankey diagram](#).

The maximum number of fields that can be added to **Node Height (Measures)** is increased from 5 to 20.

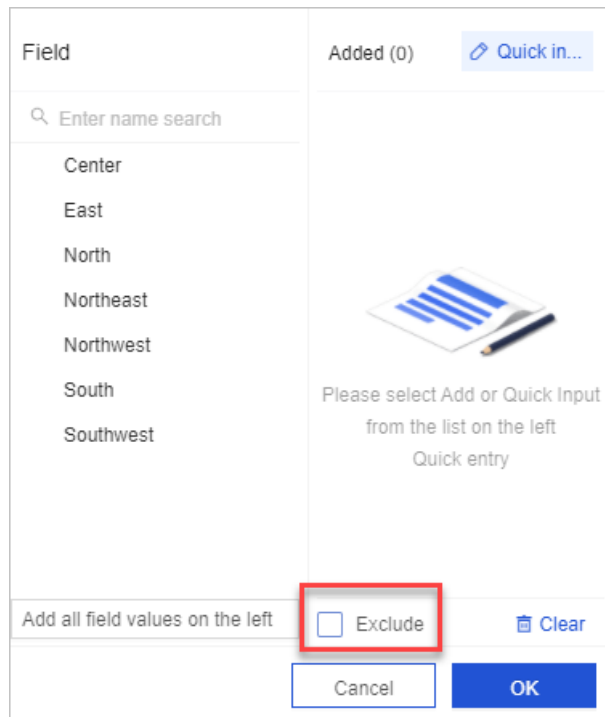


- Cross tables are upgraded. For more information, see [Latest cross table](#).
- Text boxes are upgraded to rich text boxes. You can add text in rich text boxes. For more information, see [Text area](#).



- Dashboard upgrades
  - Filter bars can be added into charts. You can configure filters for each chart.  
For more information, see [Add and configure a filter bar for a chart](#).
  - Filter bars can be added into tabs. For more information, see [Add and configure a filter bar for a tab](#).
  - The Whether to remember query conditions check box is added. If you select Whether to remember query conditions, all existing query conditions in the organization are saved. For more information, see [Configure the system to save query conditions](#).
  - The **Exclude** option is supported when the inquiry mode in a drop-down list is set to **Multiple choice**. For more information, see [Create a query control](#).

- The **Exclude** option is supported when the inquiry mode in the filter is set to **Multiple choice**. For more information, see [Filter field data](#).

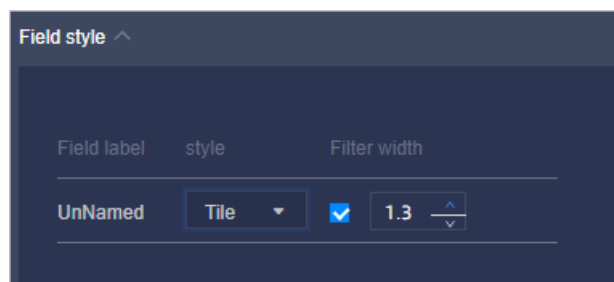


- After cascading conditions are configured, if you hide query conditions that are not configured in the first-level filter, the configuration of the cascading conditions is cleared. However, if you hide the query conditions in the first-level filter, the configuration of the cascading conditions is retained.

For more information, see [Configure conditional cascade](#).

- The Filter width parameter is supported when the style parameter is set to Tile for a filter bar.

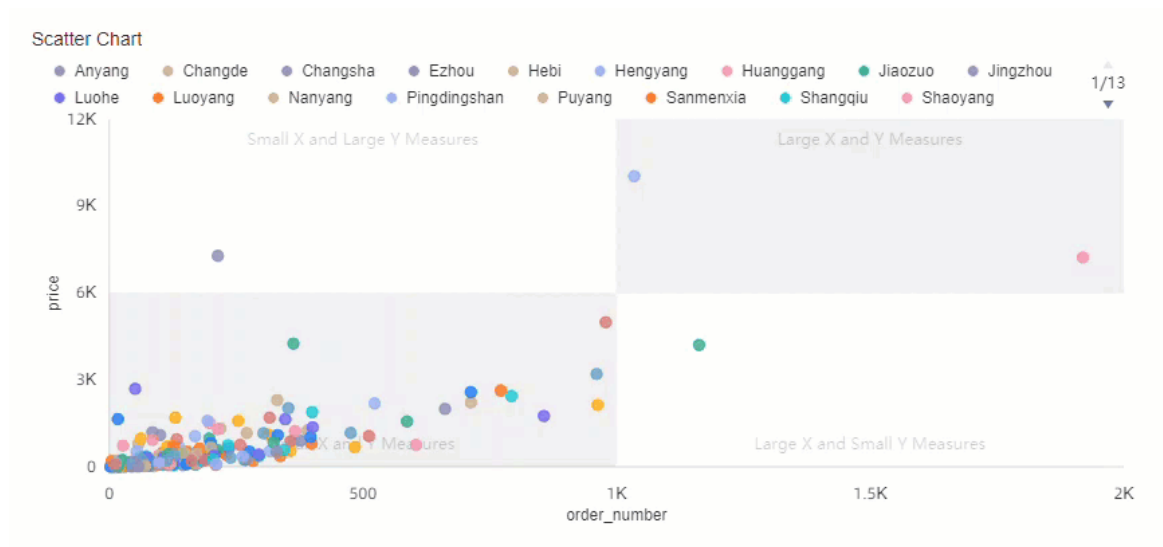
For more information, see [Create a query control](#).



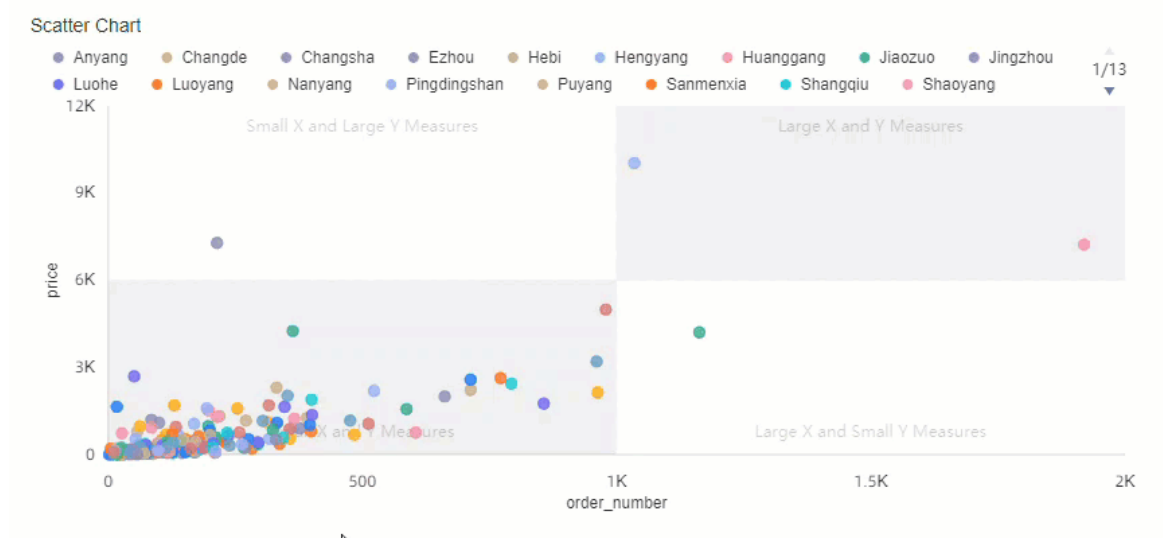
- Data of a specific area can be selected to implement filter interaction.

This feature is supported for line charts, column charts, stacked column charts, 100% stacked column charts, area charts, stacked area charts, 100% stacked area charts, bar charts, stacked bar charts, 100% stacked bar charts, combination charts, scatter charts, and bubble charts.

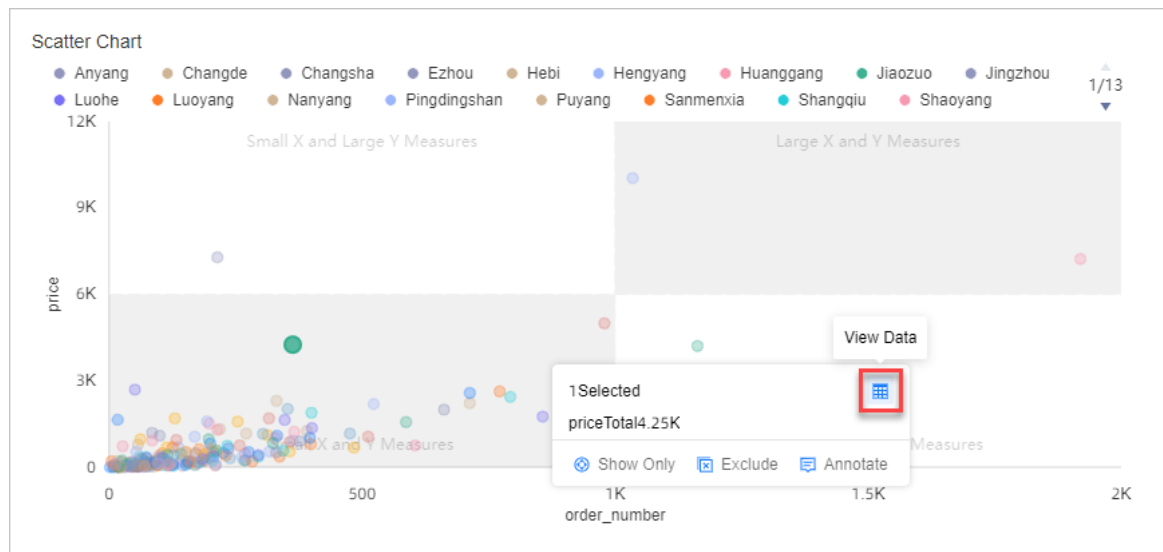
- The Show Only option is supported to show only the data in the selected area.



- The Exclude option is supported to show only the data that excludes the data in the selected area.



- The View Data option is supported to show the details of the data in the selected area.



- The Annotate option is supported to allow you to add annotations on the selected area.

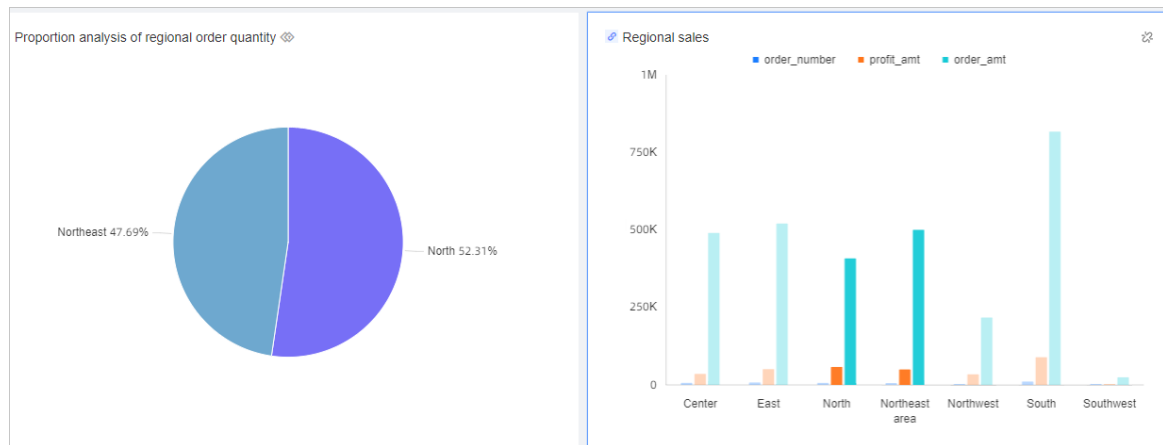


**Note** The annotation option is supported for the following charts:

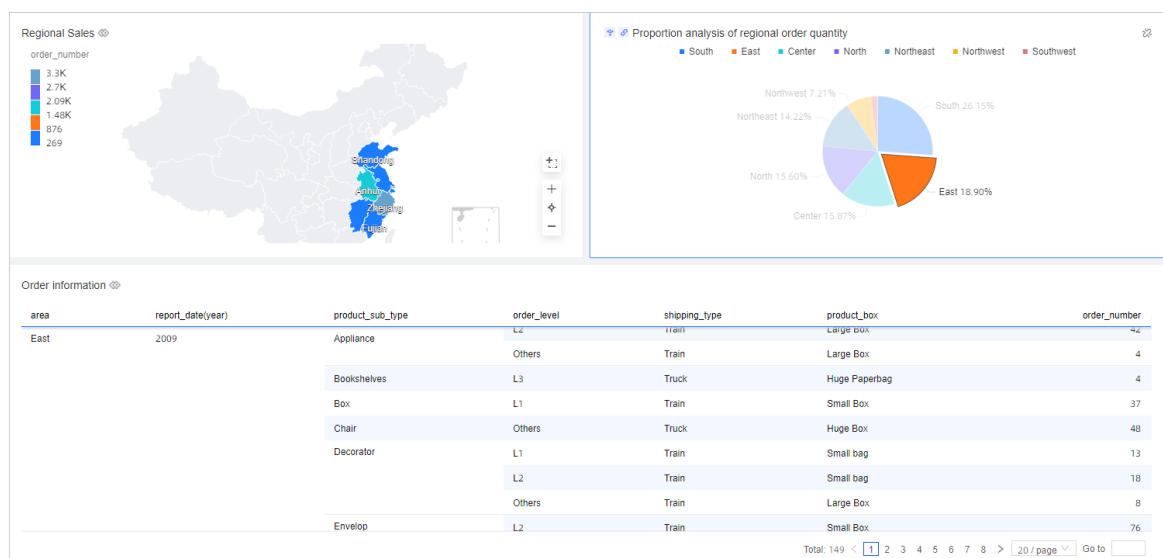
- Trend charts: line charts, area charts, stacked area charts, 100% stacked area charts, and combination charts
- Charts for comparison: column charts, stacked column charts, 100% stacked column charts, bar charts, stacked bar charts, and 100% stacked bar charts
- Charts that show relationships between data: scatter charts and bubble charts
- Maps: colored maps and geo bubble charts

- The Drilldown option is supported. You can select an area that contains specific dimensions. This allows you to view data in a new chart that is generated based on the selected dimensions.


The following example uses the company\_sales\_record dataset to show the drilling effect.



- The combined usage of data drilling and filter interaction is optimized.
  - The drilling feature and the filter interaction feature can be used together. For more information, see [Effects of data drilling and filter interaction](#).

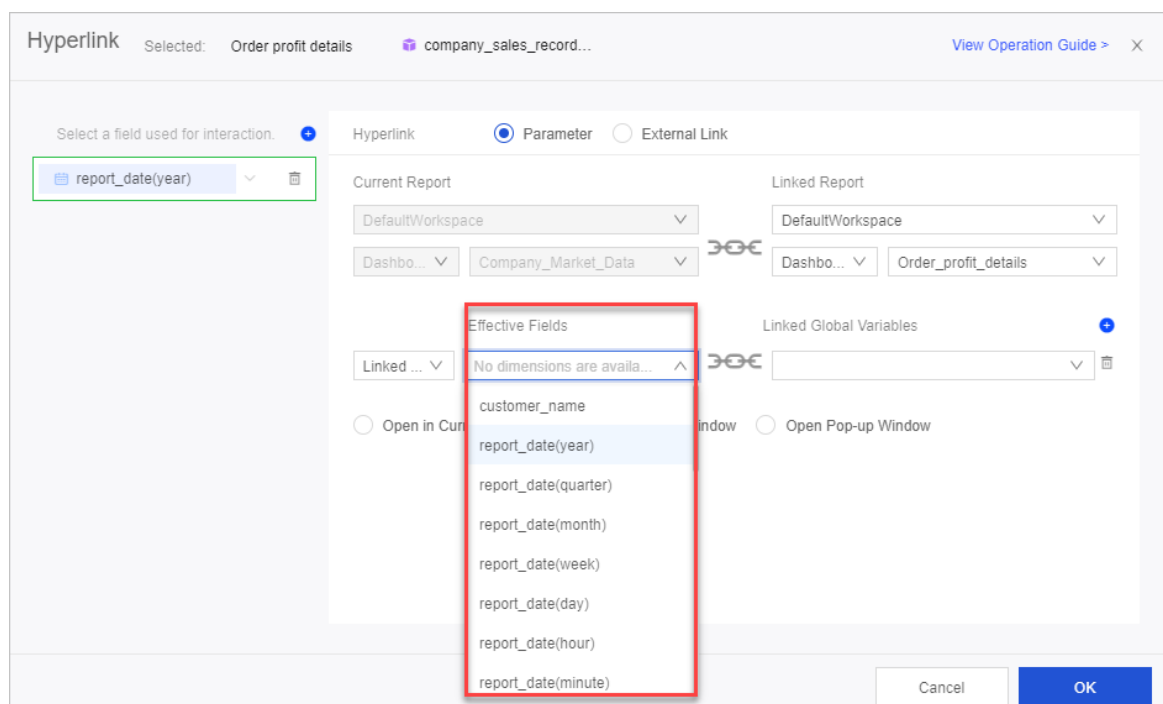


- The visual effect of filter interaction is optimized.

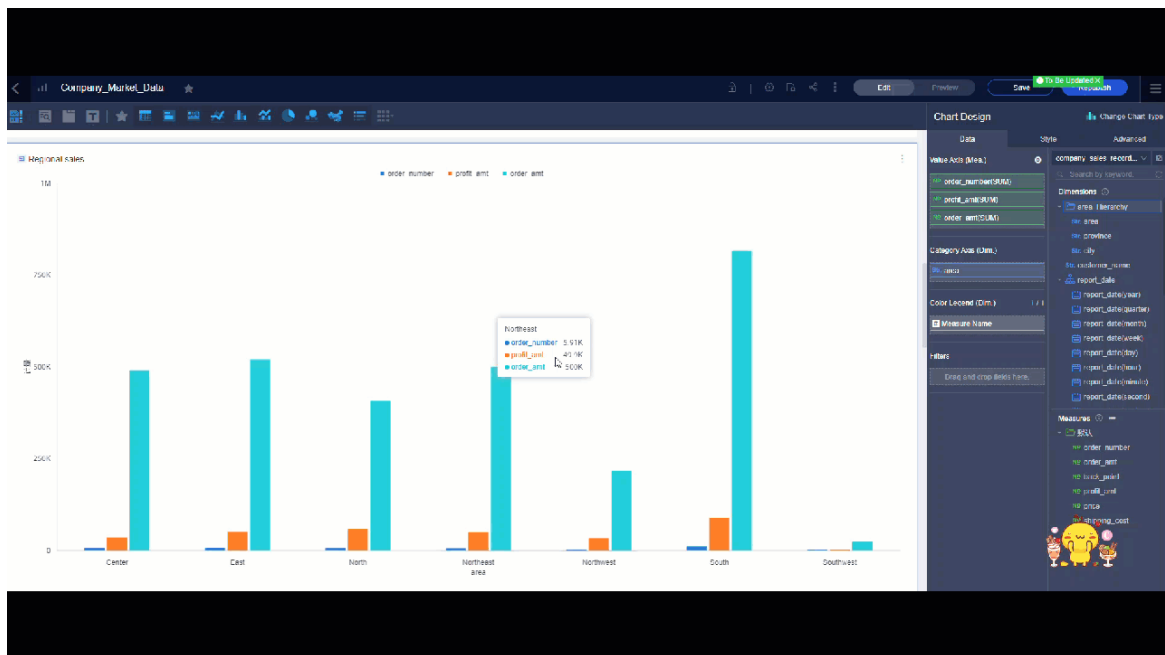
- The  icon is provided to cancel filter interaction.



- Filter interaction takes effect after you click an area or a field in a chart. You can click a blank area to cancel filter interaction. In earlier versions, you need to double-click an area or a field in a chart to make filter interaction take effect.
- The hyperlink feature is optimized.
  - Hyperlinks can be created based on time fields.



- Hyperlinks can be created by selecting multiple dimensions.



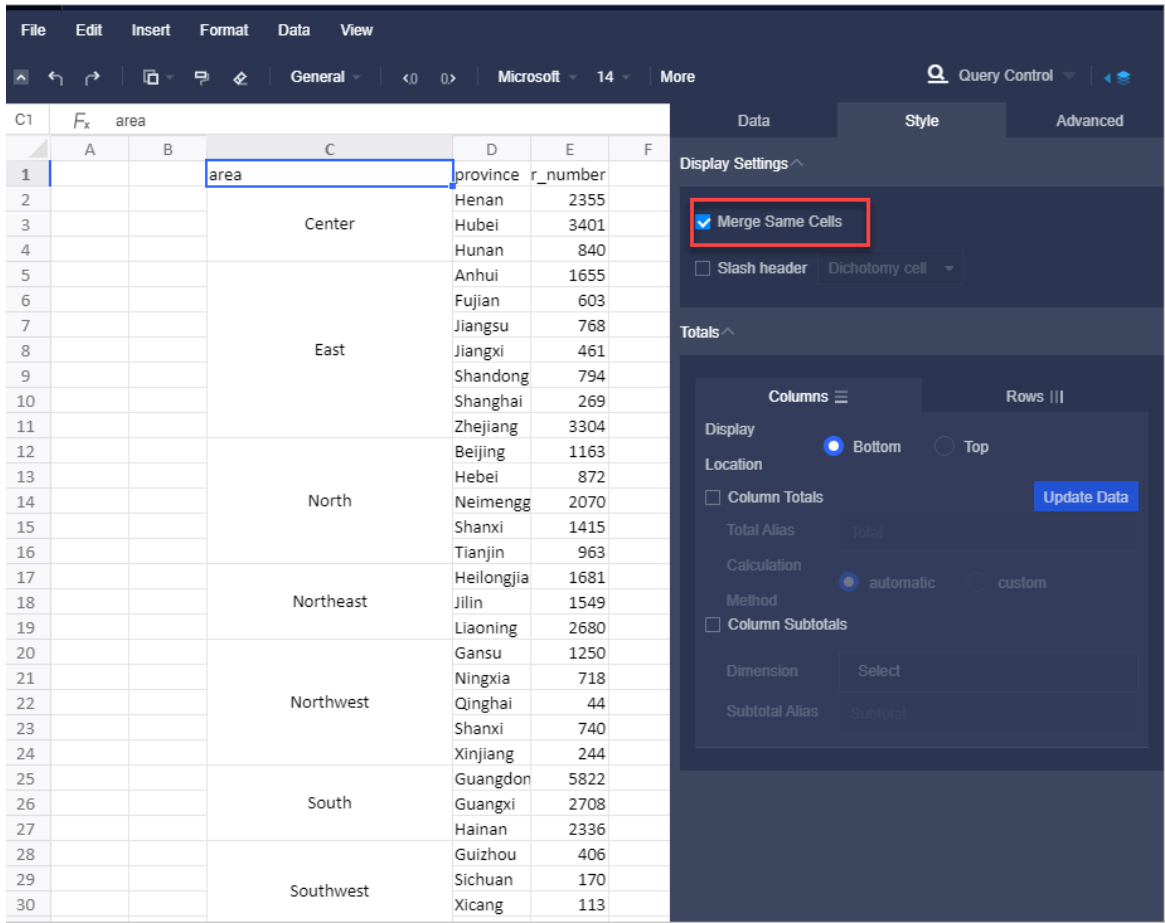
- The Open Pop-up Window option is supported to open a hyperlink.

- Themes that use different color systems are supported. For more information, see [Theme design](#).



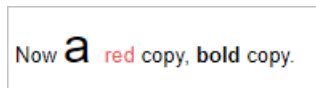
Workbooks

- The feature to create workbooks is optimized. For more information, see [Create a workbook](#).
  - The Merge Same Cell feature is supported.



- The Cross-Block Align feature is supported.

- Rich text can be inserted into cells.



- Configuration items for workbooks are optimized. For more information, see [Configure a workbook](#).
  - The order of sheets can be adjusted.
  - The watermarking feature is supported.

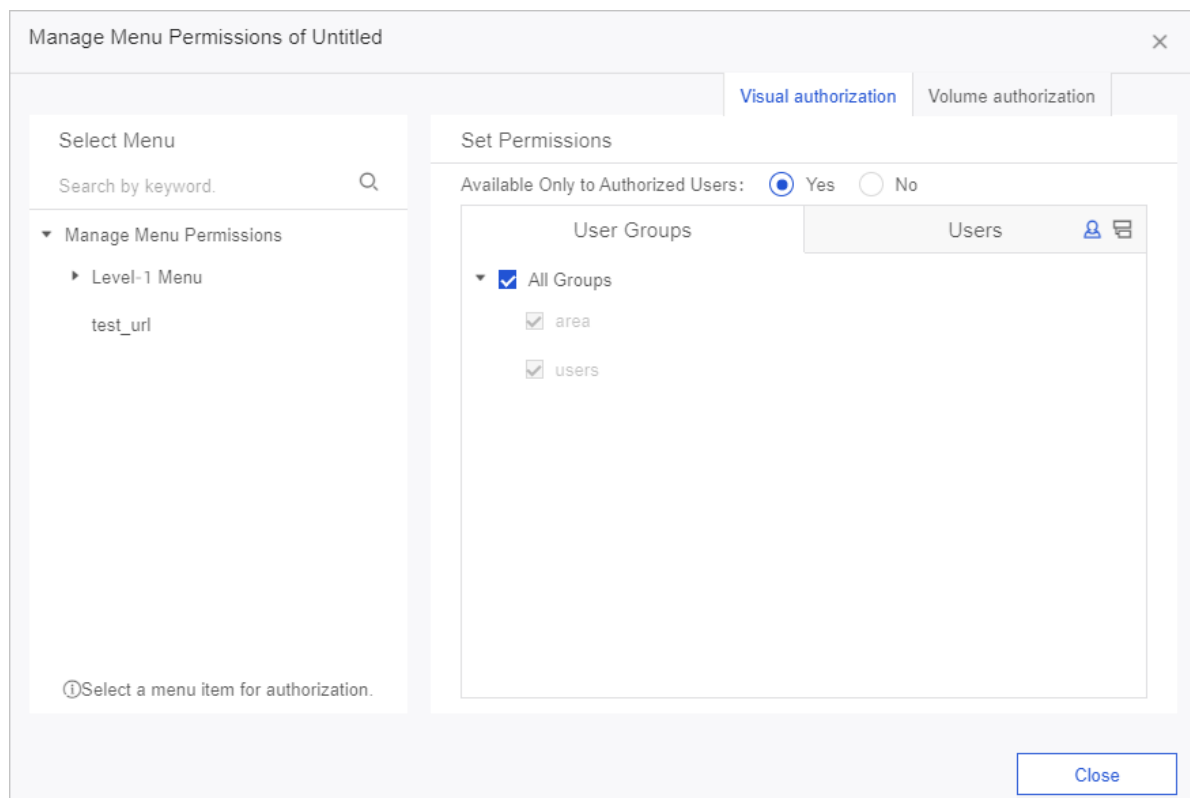
## Forms

The forms feature is added. For more information, see [Overview](#).

 **Note** The forms feature is in public preview.

## Configuration management

- Users to whom you want to grant the permissions on BI portal menus can be selected from user groups.



For more information, see [BI portal menu permissions](#).

- The caching acceleration feature is supported. Data Lake Analytics (DLA) can be used to accelerate queries on MaxCompute data sources.

For more information, see [Configure an acceleration engine](#).

- The Organization page is optimized.

## Unpublished charts

- Hierarchy charts are unpublished.

The entry points to create hierarchy charts and switch other charts to hierarchy charts are removed. Existing hierarchy charts can be displayed but cannot be switched to other types of charts or edited.

- LBS trail maps and LBS dynamic trail maps are unpublished.

Existing LBS trail maps and LBS dynamic trail maps cannot be normally displayed or edited.

- Text boxes are upgraded to rich text boxes.

The following features supported by text boxes are unpublished:

- The font configuration item unpublished. Existing text boxes that apply fonts can be deleted but cannot be edited.
- The strikethrough configuration item is unpublished. Existing text boxes that apply strikethroughs can be deleted but cannot be edited.

- Pivot tables are unpublished. The pivot table option displayed in the navigation bar is replaced by the cross table option. Existing pivot tables can still be used and can be switched to cross tables of the latest version by choosing **Style > Switch Versions**.

- Filter bars can no longer be moved onto tabs but can be directly created on tabs.

- The icon used to create cross tables of earlier versions is removed from the navigation bar. You can choose **Style > Switch Versions** to switch cross tables of the latest versions to cross tables of earlier versions. Cross tables of earlier versions can still be used. You can choose **Style > Switch Versions** to upgrade cross tables of earlier versions to the latest version.

Basic Information ^

☒ Show Title and Description

Title

Cross Table

☐ Description

Remarks content ☒

Display Location ☒ Follow the title  
Above the chart

☐ Endnote

Endnote content ☒


☐ Show Link

Link Text Hyperlink ⓘ

Link Address <https://bi-ap-southeast-1.data.aliyun.com>

Switch Versions ☐ Cross Table of a Later Version  
☒ Cross Table of an Earlier Version

- Measures in word clouds are automatically sorted in descending order on the Data tab. The sorting order can no longer be configured.

 **Note** Before you upgrade Quick BI, evaluate the impact on your business. If you have questions, contact Quick BI technical support.

## 2.Quick BI V3.7.4 release notes

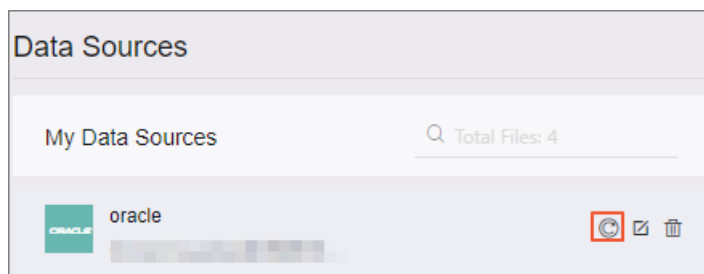
### Release date

October 2020

### New data source features

A data source can be replaced with another. After you replace a data source, you can continue to use the datasets and dashboards that are created based on the original data source.

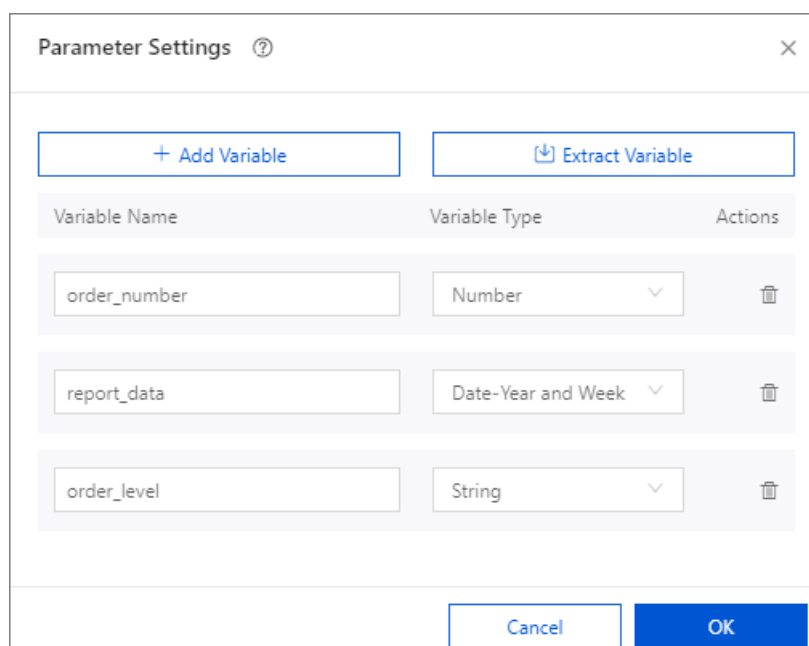
**Notice** If you replace a heterogeneous database that is used as a data source with another heterogeneous database, SQL statements for ad hoc queries in the original database may not be properly executed and calculated fields in the original database may not be properly used. Perform this operation with caution.



For more information, see [Manage data sources](#).

### New dataset features

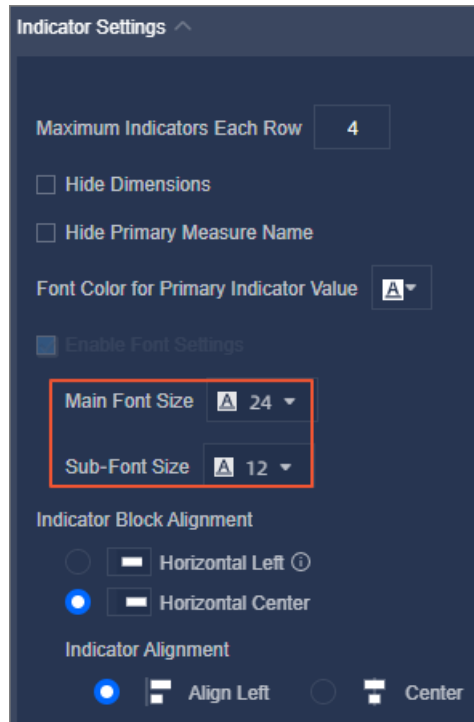
- Custom SQL statements of ApsaraDB for HBase can be used to create datasets.
- The variable type **Date-Year and Week** is added.



For more information, see [Create a dataset](#).

## New dashboard features

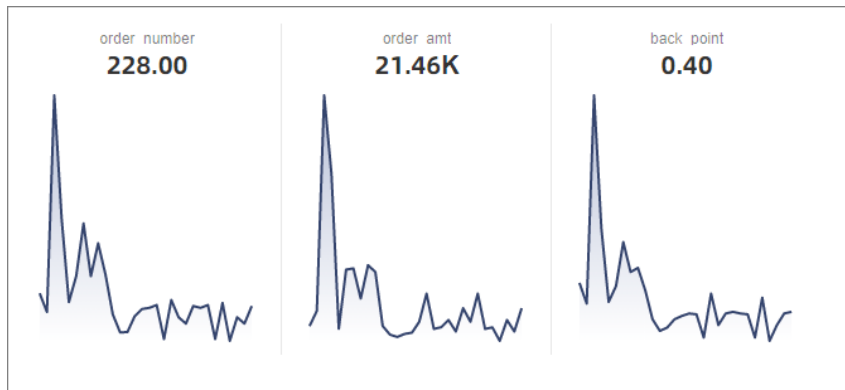
- The chart type decomposition tree is added.
- Chart design is optimized.
  - The font size of a kanban can be adjusted even if the dimension is not specified.



Center price <b>32K</b>	East price <b>28.2K</b>	North price <b>18.4K</b>	Northeast price <b>22.1K</b>
Northwest price <b>10.2K</b>	South price <b>32K</b>	Southwest price <b>1.16K</b>	

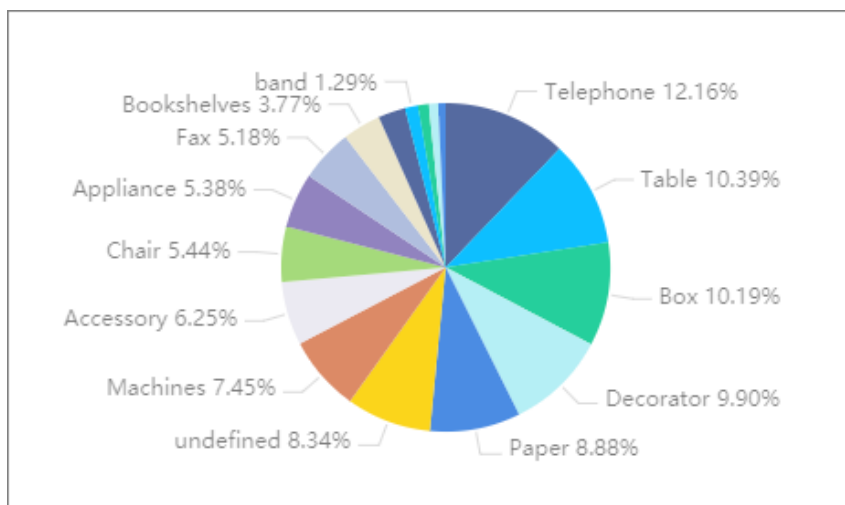
For more information, see [Kanbans](#).

- Trendlines are changed to full displays of trends in trend indicator charts.



For more information, see [Trend indicator charts](#).

- The design of colored maps and bubble maps is optimized in the following aspects:
  - Border thickness and color
  - Background color
  - Location style
- If the display style of fields in a query control is set to Drop-Down, a load-on-demand mechanism is used.
- The font size of labels is decreased to display more labels in pie charts.



For more information, see [Pie chart](#).

- The margins of vertical bar charts, horizontal bar charts, and combination charts are decreased to display more data.

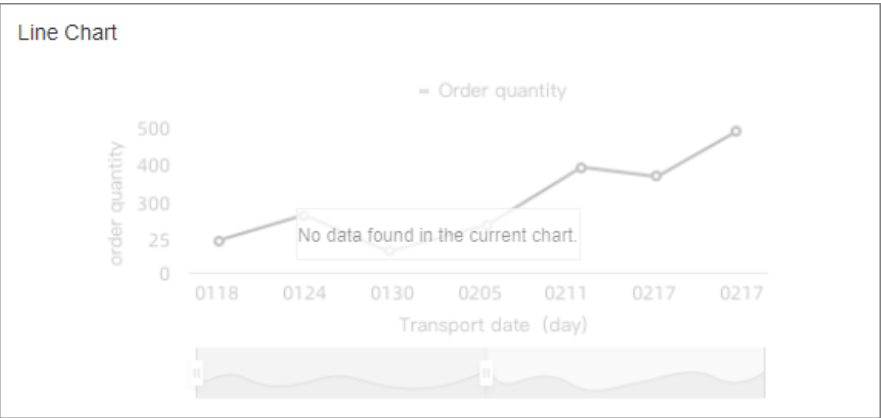


- A default view, error view, and loading view are added for each chart type.

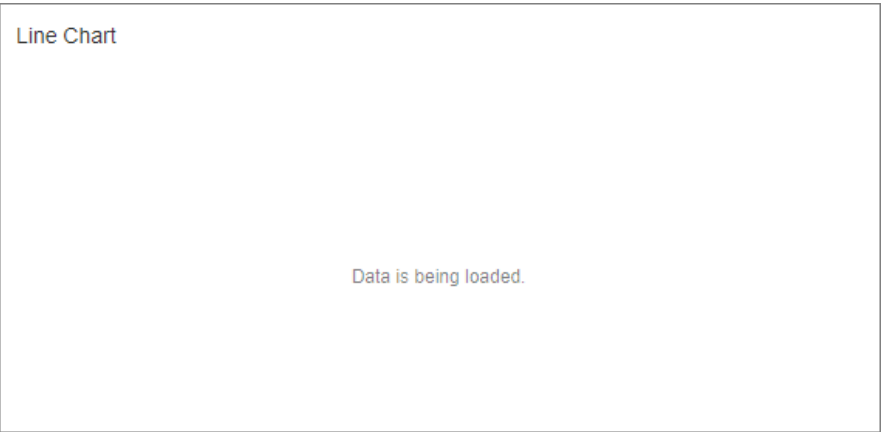
Default view



Error view



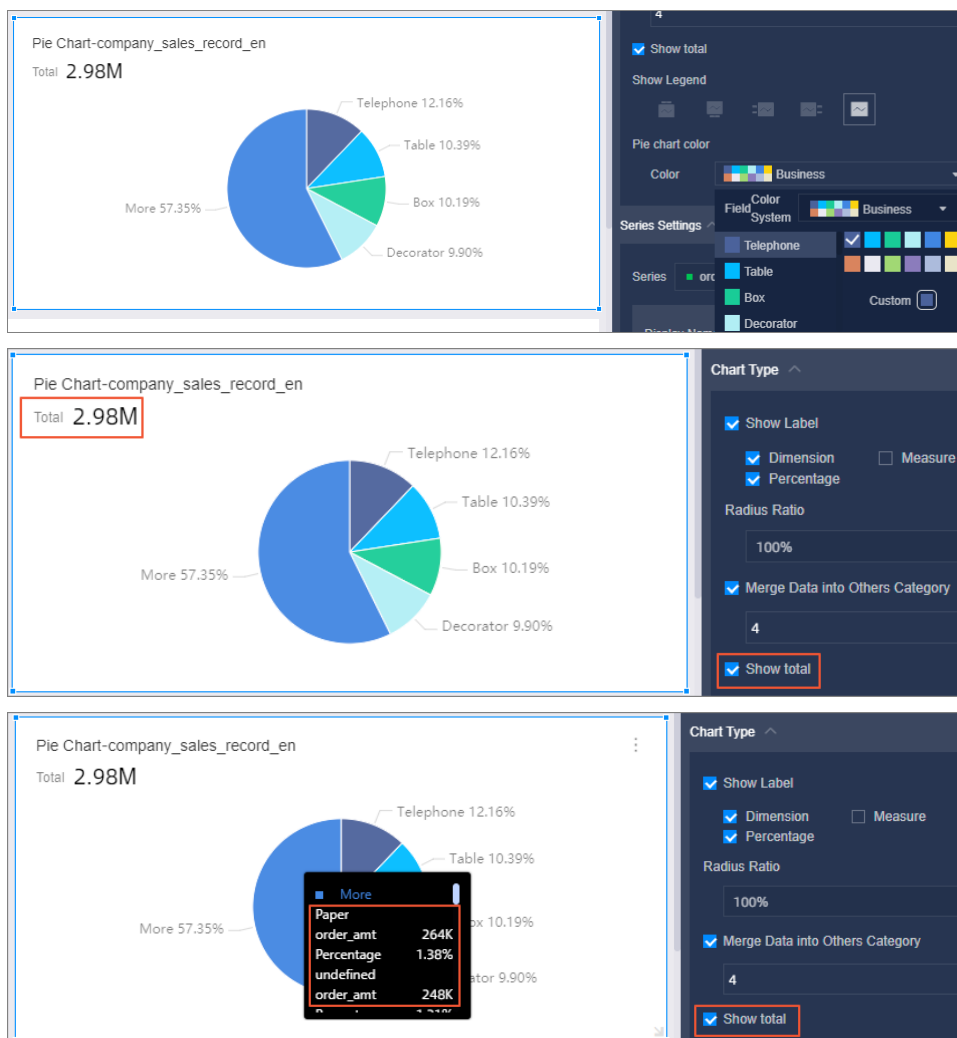
Loading view



- The font of numbers in dashboards is changed to Alibaba Sans.

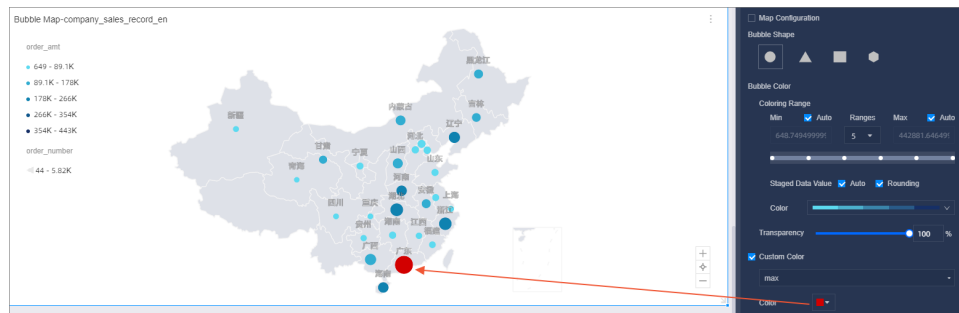


- The colors for slices in a pie chart can be customized. The Show total and Merge Data into Others Category options are added.



For more information, see [Pie chart](#).

- The maximum and minimum values in a bubble map or colored map can be highlighted in a specified color.



For more information, see [Bubble map](#) and [Filled map](#).

- The **Custom Background** option is removed from the Style tab. The background color is subject to the chart color settings.

**Note** The **Custom Background** option is removed for the Tab widget and the following chart types: line chart, vertical bar chart, stacked vertical bar chart, 100% stacked vertical bar chart, horizontal bar chart, stacked horizontal bar chart, 100% stacked horizontal bar chart, area chart, stacked area chart, 100% stacked area chart, circular bar, waterfall chart, combination chart, scatter chart, bubble chart, faceted scatter chart, radar chart, polar diagram, colored map, bubble map, LBS heat map, LBS bubble chart, LBS flying line map, trend indicator chart, Sankey diagram, and flow analysis chart.

For more information, see [Line charts](#).

- The arrow colors are optimized for cross tables, kanbans, trend indicator charts, and ranking boards. The arrow colors are changed based on the **system language**.

If the system language is Chinese, the upward arrow is in red color and the downward arrow is in green color.

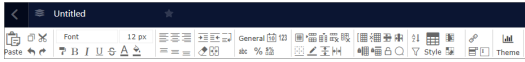





If the system language is English, the upward arrow is in green color and the downward arrow is in red color.



- The tooltip is displayed for all charts by default.


## New workbook features

- The workbook edit page is reconstructed. The following table describes the details.

Earlier version	V3.7.3
<ul style="list-style-type: none"> <li>All icons are displayed on the toolbar.</li> </ul>  <ul style="list-style-type: none"> <li>To import data, you must click the  icon.</li> <li>A filter bar is provided to associate datasets.</li> <li>The camera feature is provided.</li> <li>The highlight pivot table feature is provided.</li> <li>The chart is not elegant.</li> <li>Hidden sheets are difficult to find.</li> </ul>	<ul style="list-style-type: none"> <li>Icons are displayed as cascading menus for easy locating.</li> </ul>  <ul style="list-style-type: none"> <li>To import data, perform either of the following operations:             <ul style="list-style-type: none"> <li>Click the  icon and import the data.</li> <li>Choose <b>Insert &gt; Dataset</b> and import the data.</li> </ul> </li> <li>The filter bar is upgraded to a query control, which has the same functions as the query control widget in datasets.</li> <li>The camera feature is unpublished.</li> <li>The highlight pivot table feature is unpublished.</li> <li>The visual effect of charts is improved.</li> <li>The sheets in a workbook are optimized in the following aspects:             <ul style="list-style-type: none"> <li>A hidden sheet is marked with the  icon for easy identification.</li> <li>You can click the  icon to view the sheet list.</li> </ul> </li> </ul>

For more information, see [Configure a workbook](#).

- The following features are unpublished:
  - Highlight pivot table
  - Camera

 **Note** Before you upgrade Quick BI to V3.7.3, evaluate the impact on your business. If you have any questions, contact Quick BI technical support.

## 3.Quick BI V3.6.3 release notes

### Release date

April 2020

### New data source features

- Query result caching and management are supported for all data sources.
- The date filter for the Presto data source is optimized.
- Data Lake Analytics is supported in Quick BI Basic.

### New dataset features

- Five-level directories are supported in dataset folders.

### New BI portal features

BI portal UIs are optimized in the following aspects:

- Four-level menus are supported.
- The theme color can be customized.

For more information, see [BI portal overview](#).

### New dashboard features

- Funnel charts are updated. The visual style can be specified, and the chart type can be configured. For more information, see [Funnel chart](#).
  - The tornado-leaned funnel chart is renamed butterfly chart. The visual style can be specified, and the chart type can be configured. For more information, see [Butterfly chart](#).
  - Bubble maps and colored maps are updated in the following aspects:
    - The style template, color, and number of intervals can be configured.
    - Maps of the following countries are supported: China, Singapore, Germany, Mexico, Japan, and the United States. Maps of a country or area can be displayed.
    - Local zoom-in, zoom-out, and drag operations are supported. This allows you to conveniently view data of an area.
    - The geographical location names in the chart are updated to the standard national geographical location names of the latest version.
- For more information, see [Bubble map](#) and [Filled map](#).
- The Style tab of pie charts is updated.
    - The slices are arranged clockwise from the first quadrant in descending order of weights.
    - If the number of slices is small, the slice boundaries are displayed.
    - Visual Style can be set to Pie or Ring.
    - Show label can be set to Dimension, measure, or percentage.
- For more information, see [Pie chart](#).
- The Style tab of word clouds is updated.

- The Style Settings section is added. You can configure the word cloud shape and specify whether to display text vertically in this section.
- The Series Settings section is added. You can specify Display Name and Number Formatting for the measure in this section.

For more information, see [Word cloud](#).

- The chart styles and configurations of kanbans, gauges, and progress bars are optimized. Dynamic target values can be configured for gauges and progress bars. For more information, see [Kanbans](#), [Gauge](#), and [Progress bar](#).
- Theme settings and filter interaction are supported for more chart types.
- The time configuration dialog box is closed immediately after you select minutes and seconds in a query control.
- Fluctuation analysis is supported for bar charts and line charts in Quick BI Enterprise Standard. This feature analyzes the causes of data fluctuations. For more information, see [Metric analysis](#).
- Dashboards can be unpublished and restored. The publishing states of dashboards are displayed. For more information, see [Save, save and publish, restore, unpublish, and republish a dashboard](#).
- New functions of the query control are added. The UIs are upgraded in the following aspects:
  - Smart selection is supported for associated fields in the same dataset.
  - Fields in different datasets can be selected in a query control.
  - Time fields in different time granularities can be selected in a query control.
  - Query Value Field and Display Name Field are displayed.

For more information, see [Create a query control](#).


- The comparison feature is optimized. When Data Settings is set to Percentage Difference, you can specify a calculation formula. If the value of the previous period is less than 0, the formula takes effect. Otherwise, the default formula is used. For more information, see [Configure a chart](#).

- The hidden BI performance analysis tool is added to the dashboard preview page.

The performance analysis tool is displayed on the report browsing page if you append `&usePerf=true` to the URL.

- In a full-screen dashboard, only eleven types of charts and three widgets that are commonly used are reserved.

Reserved components (3 widgets and 11 charts)	Unpublished components (27 types of charts)
Widgets: Text Area, iFrame, Image  Charts: <ul style="list-style-type: none"> <li>◦ Line chart and area chart</li> <li>◦ Vertical bar chart and horizontal bar chart</li> <li>◦ Pie chart</li> <li>◦ Cross table</li> <li>◦ Colored map and bubble map</li> <li>◦ Kanban and ticker board</li> <li>◦ Ranking board</li> </ul>	<ul style="list-style-type: none"> <li>◦ 100% stacked area chart and 100% stacked vertical bar chart</li> <li>◦ Stacked area chart, stacked horizontal bar chart, stacked vertical bar chart, circular bar, and waterfall chart</li> <li>◦ Combination chart</li> <li>◦ LBS bubble map, LBS heat map, and LBS flying line map</li> <li>◦ Trend indicator</li> <li>◦ Gauge, progress bar, and liquid fill</li> <li>◦ Scatter chart, bubble chart, and facet scatter chart</li> <li>◦ Funnel chart and butterfly chart</li> <li>◦ Radar chart and polar diagram</li> <li>◦ Treemap and hierarchy chart</li> <li>◦ Word cloud</li> <li>◦ Sankey diagram and flow analysis chart</li> </ul>

 **Note** You cannot create a chart of the unpublished type or switch the current chart to the unpublished chart type. The inventory charts of the removed types are displayed properly. However, their chart types cannot be changed.

The standard dashboards are not affected.

## New mobile device features

- The display of query control on mobile devices is optimized.

## New workbook features

- Workbooks can be unpublished and restored. The publishing states of workbooks are displayed. For more information, see [Save, save and publish, restore, unpublish, and republish a workbook](#).

## Other new features

- API Statistics Overview is added to the Open Service feature in Quick BI Enterprise Standard. This allows you to view details about API operations called. For more information, see [API statistics overview](#).

# 4.Quick BI V3.5.2 release notes

## Release date

April 2020

## New data source features

- The following cloud data sources are supported: DRDS, TSDB, and HBase.
- The following user-created data sources are supported: Hive, Vertica, SAP IQ (Sybase IQ), SAP HANA, and IBM DB2 LUW.
- The data source (ADS)Analytic DB is renamed AnalyticDB for MySQL 2.0.

## New dataset features

- The Custom SQL feature is renamed Ad Hoc Query. This feature offers the following functions: specifying a data source, formatting SQL statements, and creating datasets by using saved custom SQL statements. For more information, see [Use ad hoc queries for data modeling](#).
- Dimensions of all hierarchy levels can be duplicated, hidden, and deleted. The first day of a week can be customized for the week dimension. For more information, see [Edit dimensions and measures](#).

## New dashboard features

- The following chart types are supported: combination chart and scatter chart. For more information, see [Combination chart](#) and [Scatter chart](#).
- The loading user interface (UI) for a ticker board is optimized. Color Palette is added to the Custom Background section on the Style tab. For more information, see [Ticker board](#).
- The scatter chart is renamed facet scatter chart. For more information, see [Facet scatter chart](#).
- The bubble chart is optimized. For more information, see [Bubble chart](#).
- The following functions are supported for cross tables and pivot tables: wrapping text, renaming totals, and setting data bars with conditional formats.
- Displaying a chart in full screen and exiting full screen are supported. For more information, see [Full-screen mode](#).
- The tab style, advanced settings, and comparison settings of charts on a dashboard are updated.
- The Metric Analysis feature is supported. For more information, see [Metric analysis](#).

## Other new features

- The development and access modes are supported. For more information, see [Access mode](#).
- Report embedment and data service features are added to the open service feature. For more information, see [Report embedment](#) and [Data service](#).
- The permission type can be configured when you share a data object. This allows you to authorize a user only to view or download the data object.

## 5.Quick BI V3.4.3 Release Notes

### Release date

January 2019

### New data source features

- The cloud data sources Presto, AnalyticDB for MySQL 3.0, PolarDB for MySQL, and the user-created data source Presto are added.
- For the AnalyticDB for MySQL 2.0 and AnalyticDB for MySQL 3.0 data sources, the Name field is added to select a database and available AnalyticDB databases are automatically displayed.

### New dataset features

- New aggregate functions such as median, variance, and standard deviation are added to datasets.
- Parameters of ad hoc query are added to the Filter Bar widget. Dynamically passing parameters to SQL statements, and check and processing of the syntax and placeholders by using FastSQL are added to the Ad Hoc Query page. For more information, see [Use ad hoc queries for data modeling](#).
- Filter interaction for datasets is upgraded. This feature supports a five-level horizontal filter interaction on data tables and fuzzy match for joined data tables by using data table names.

### New dashboard features

- The Compound Query Control icon is added to the dashboard edit page. For more information, see [Compound query control](#).
- The **Filter by Condition** section and **Lock Filtering Conditions (You cannot change the filtering conditions after preview.)** are added to the Set Filter page. After you select **Lock Filtering Conditions (You cannot change the filtering conditions after preview.)**, the filtering conditions cannot be changed on the preview page.
- The Sankey diagram, waterfall chart, ranking board, ticker board, and trend chart are added. For more information, see [Sankey diagram](#), [Waterfall chart](#), [Ranking board](#), [Ticker board](#), and [Trend indicator charts](#).
- The flow analysis chart is optimized. For more information, see [Flow analysis chart](#).
- The **Make Public** icon is added to the dashboard edit page to allow users to set a public URL.



- Four-level cascade filtering is supported.
- The Permission Type field is added to the Share pane.

### New BI portal features

- The menu permissions on a BI portal take effect immediately after you grant them to a user.

### Other new features

- The tag addition function is supported for tag management.
- The **Screenshot(mobile)** option is added to Email Subscriptions, which increases the maximum pixels

of an image that can be sent in an email from 4,000 pixels to 8,000 pixels.

- Multiple recipients can be selected at a time.