

Multi axis

Language: [Deutsch](#) · [English](#)

Multi axis

Combine several charts in a multi axis chart and position axes via design, XML or a customizer.

HOW-TO

APPLICATION DEVELOPER

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APPLIES TO NUCLOS 4.2026.X

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A **multi axis chart** combines several charts of the same type – e.g. with separate axes on the left and right.

Create a multi axis chart

1. Drag the chart element from the palette onto the desired band.
2. In the chart wizard choose *Multi Axis Chart*.
3. Create a first chart via *Next* >, finish with *Finish*.

The screenshot shows the TIBCO JasperSoft Studio interface. On the left, the 'Repository Explorer' and 'Project Explorer' are visible. The 'Project Explorer' shows a tree structure with 'Multi Axis' selected. A context menu is open over the 'Multi Axis' element, with 'Create ChartAxis' highlighted. The main report area displays a line chart with three data series (First, Second, Third) plotted against eight categories (One to Eight). The chart is titled 'Summary'. The right sidebar shows the 'Palette' with various chart types and the 'Properties' panel for the 'Chart: Multi Ax'.

Multi axis chart in the wizard.

Move an axis to the right

In the design view

Select the chart axis tab *Chart Axis* desired **position**.

In the XML

Each chart inside <MultiAxisChart> starts with <axis>; add position="rightOrBottom" there.

Via a chart customizer

```
@Override
public void customize(JFreeChart chart, JRChart jasperChart) {
    Plot plot = chart.getPlot();
    if (plot instanceof CategoryPlot) {

        ((CategoryPlot) plot).setRangeAxisLocation(AxisLocation.TOP_OR_RIGHT);
        ((CategoryPlot) plot).setDatasetRenderingOrder(DatasetRenderingOrder.FORWARD);

    } else if (plot instanceof XYPlot) {

        ((XYPlot) plot).setRangeAxisLocation(AxisLocation.TOP_OR_RIGHT);
        ((XYPlot) plot).setDatasetRenderingOrder(DatasetRenderingOrder.FORWARD);
    }
}
```

Related pages



Charts in the designer

Charts.

[Open](#)



Pie chart

Pie chart.

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