

Pie chart

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Pie chart

Pie charts in JasperReports – data binding (value/label/key) and three ways of formatting including a customizer class.

HOW-TO

APPLICATION DEVELOPER

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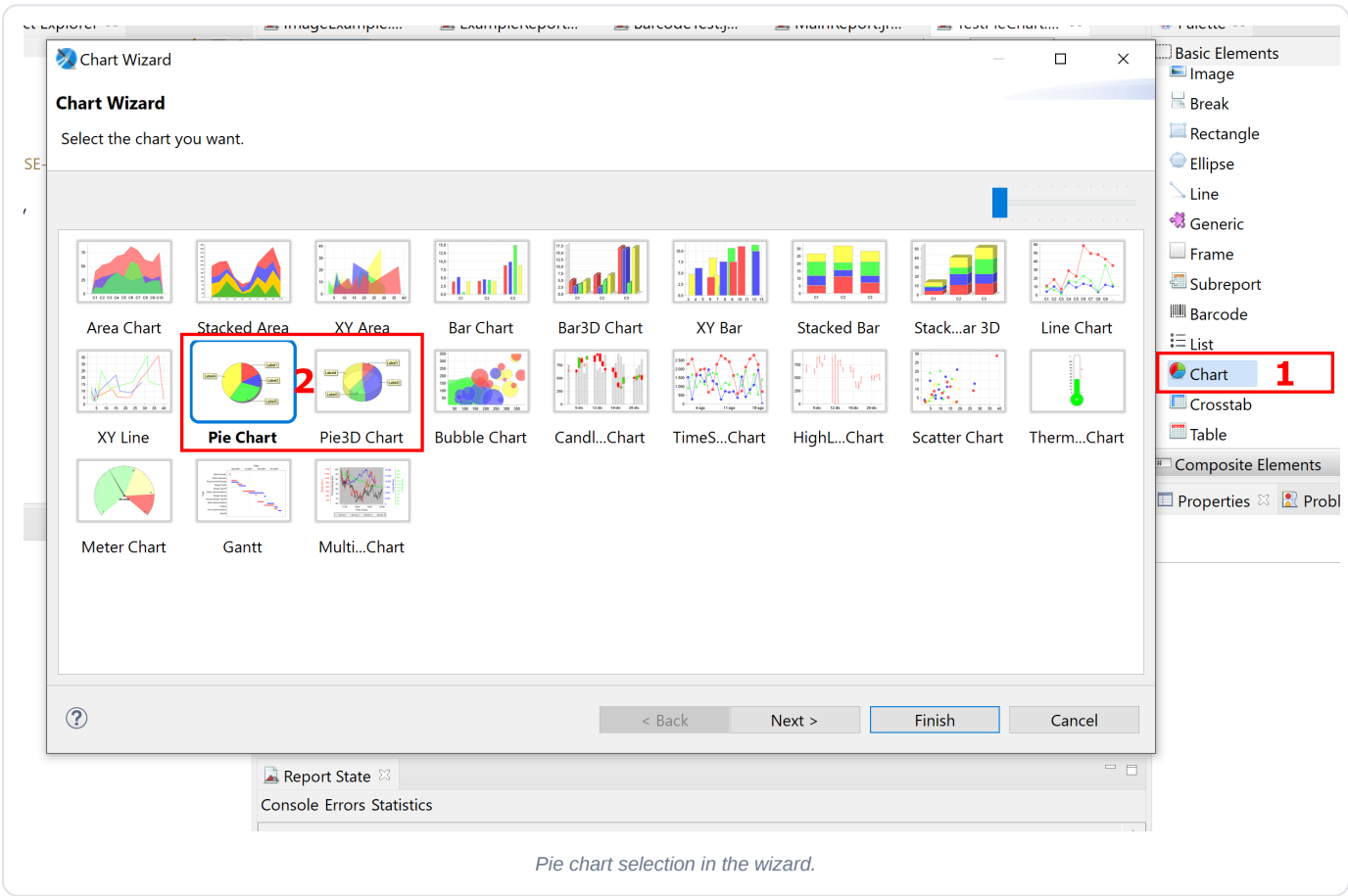
APPLIES TO NUCLOS 4.2026.X

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Create a pie chart

1. Drag the chart element from the palette onto the canvas – the selection dialog opens.
2. Choose *Pie Chart* or *Pie3D Chart* and configure via *Next* or create immediately with *Finish*.



The screenshot shows the 'Chart Wizard' dialog box in JasperReports. The 'Chart Wizard' title bar is visible. The main area displays a grid of chart types. The 'Pie Chart' option is highlighted with a red box and a red number '1'. The 'Stacked Area' and 'XY Area' options are also highlighted with a red box and a red number '2'. The 'Chart' option in the right-hand palette is also highlighted with a red box and a red number '1'. The 'Report State' and 'Console Errors Statistics' tabs are visible at the bottom.

Pie chart selection in the wizard.

Data binding

Field	Meaning
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Value	numeric value of the segment (e.g. order total).
Label	label of the shares (value or key).
Key	key/grouping (equals GROUP BY) – shown in the legend.
Reset on	usually <i>Report</i> .

Formatting

1. Label format (property *Label Format*)

```
{0} text only
{1} with number
{2} percentage
```

2. Font & size in the XML

Applies to pie3DPlot and piePlot:

```
<pie3DPlot depthFactor="0.1" isCircular="true" labelFormat="{0} {2}" legendLabelFormat="">
  <plot/>
  <itemLabel>

    </itemLabel>
</pie3DPlot>
```

3. Custom customizer class

```
package org.axismanipulation;
import java.awt.Color;
import org.jfree.chart.JFreeChart;
import org.jfree.chart.plot.PiePlot;
import net.sf.jasperreports.engine.JRAbstractChartCustomizer;
import net.sf.jasperreports.engine.JRChart;
import java.awt.Font;

public class PieManipulation extends JRAbstractChartCustomizer{
    @Override
    public void customize(JFreeChart chart, JRChart jasperChart) {
        PiePlot plot = (PiePlot)chart.getPlot();
        plot.setInteriorGap(0.02);
        plot.setMaximumLabelWidth(0.20);
        plot.setBackgroundPaint(Color.white);
        Font font = new Font("Calibri", Font.PLAIN, 7);
        plot.setLabelFont(font);
        plot.setCircular(true);
    }
}
```

Related pages



Charts in the designer

Charts.

[Open](#)



Multi axis

Multi axis.

[Open](#)

