














## Charts










Visionary provides charts for SQL data allow you to display trends, compare different categories of items, to compare one trend with another, or to compare the various parts of an entire revenue or expenditure category.

Layout and Icon	Palette	Description
Candlestick chart 	Layouts	Displays gains and losses in stock prices, or other value-based indexes, and volumes over time. The $x$ -axis represents time, and two $y$ -axes represent price and volume. The color of the candlestick shows either gain or loss: typically, green for gain and red for loss.
Scatter chart 	Layouts	Displays data in a two-dimensional graph in rectangular coordinates.  You can use the scatter chart for statistical analyses, such as correlation studies.
Stock chart 	Layouts	Displays fluctuations in stock prices, or other value-based indexes, and volumes over time. The $x$ -axis represents time, and two $y$ -axes represent price and volume.
Timeline chart 	Layouts	Displays a time series. The $x$ -axis is a date-based axis, and the $y$ -axis can be assigned to a numeric value.  You can use the timeline chart to show a trend among data values returned in a sorted order by date.
XY chart 	Layouts	Displays data in a two-dimensional graph; data points are connected by a line, in the order the data was retrieved.  You can use XY charts to show correlations between two variables and trends in these correlations.
Multivariate chart 	Layouts	Displays several scatter charts in a grid.  You can use the multivariate chart to analyze three or more independent variables.








Layout and Icon	Palette	Description
Bar chart 	Layouts	Displays horizontal columns, or bars, to represent values measured on the $x$ -axis that correspond to categories displayed on the $y$ -axis.  You can use bar charts to analyze trends over time or to compare quantities of different items.
Bar3D chart 	ActiveX Controls	Displays horizontal columns, or bars, to represent values measured on the $x$ -axis that correspond to categories displayed on the $y$ -axis.  You can use bar charts to analyze trends over time or to compare quantities of different items.
Column chart 	Layouts	Displays vertical columns, or bars, to represent values measured on the $y$ -axis that correspond to categories displayed on the $x$ -axis.  You can use column charts to analyze trends over time or to compare quantities of different items.
Column3D chart 	ActiveX Controls	Displays vertical columns, or bars, to represent values measured on the $y$ -axis that correspond to categories displayed on the $x$ -axis.  You can use column charts to analyze trends over time or to compare quantities of different items.
Pie chart 	Layouts	Displays a circle cut into wedges; each wedge represents one row returned from a query.  You can use the pie chart to examine shares or percentages of a whole.
Pie3D chart 	ActiveX Controls	Displays a circle cut into wedges; each wedge represents one row returned from a query.  You can use the pie chart to examine shares or percentages of a whole.
Pie3DSmooth chart 	ActiveX Controls	Displays a circle cut into wedges; each wedge represents one row returned from a query.  You can use the pie chart to examine shares or percentages of a whole.

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## Charts

Layout and Icon	Palette	Description
Area3D chart 	ActiveX Controls	Displays areas that begin from the bottom of the chart with drops in the area. You can use Area 3D charts for examining change over time.
Oblique3D chart 	ActiveX Controls	Displays one or more vertical bars along a labeled axis with one or more planes.
Torus3D chart 	ActiveX Controls	Displays data in a 3D chart in the shape of a doughnut. Each piece of the torus represents one data point. You can use the torus chart to examine shares or percentages of a whole.
Ribbon3D chart 	ActiveX Controls	Displays one or more horizontal ribbons along a labeled axis with drops in the ribbons.
Point3D chart 	ActiveX Controls	Displays data values as points in the chart.
Surface3D chart 	ActiveX Controls	Displays a surface that connects adjacent data values.
Bubble 3D chart 	ActiveX Controls	Displays data as bubbles in the chart. The size of the bubble is determined by a data value.
StackBar 3D chart 	ActiveX Controls	Displays one or more horizontal bars that consist of stacked data values.
StackColumn 3D chart 	ActiveX Controls	Displays one or more vertical bars that consist of stacked data values.

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Layout and Icon	Palette	Description
StackLine 3D chart 	ActiveX Controls	Displays one or more horizontal ribbons that consist of stacked data values.
Stock 3D chart 	ActiveX Controls	Displays one or more vertical bars on a labeled axis. The stock 3D chart shows open, high, low, close, trading volume, and trading data for a stock.
FloatBar 3D chart 	ActiveX Controls	Displays floating horizontal bars. This chart displays time ranges and is useful for creating charts on schedules.
Radar chart 	ActiveX Controls	Displays multi-series data points in a radar screen format.
Polar chart 	ActiveX Controls	Displays data points in a 360-degree radar screen format.
Shmoo 3D chart 	ActiveX Controls	Displays multi-series data in a cube-like format. Each cell of the cube is tested to determine if it passes a given condition. Pass and fail cells are color coded. The first set of failed cells can be highlighted.
Legend 3D 	ActiveX Controls	Displays a legend in a 3D format. The legend can display multiple rows and columns with different mark shapes and controlled legend cell size.

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In addition to these layouts, you can also create comparisons by adding layers to some 2-D layouts. *Layers* are additional data templates added to a single layout: for example, an XY chart with more than one line representing more than one set of query results. For more details on layers, see [“Using Layers in a Layout” on page 4-16](#).