

```
+++ title = "Time series" keywords = ["grafana", "graph panel", "time series panel", "documentation", "guide",  
"graph"] aliases = ["/docs/grafana/latest/panels/visualizations/time-series/"] weight = 1200 +++
```

## Time series

```
{{< figure src="/static/img/docs/time-series-panel/time_series_small_example.png" max-width="1200px"  
caption="Time series" >}}
```

Time series visualization is the default and primary way to visualize time series data. It can render as a line, a path of dots, or a series of bars. It is versatile enough to display almost any time-series data. [This public demo dashboard](#) contains many different examples for how this visualization can be configured and styled.

**Note:** You can migrate Graph panel visualizations to Time series visualizations. To migrate, open the panel and then select the **Time series** visualization. Grafana transfers all applicable settings.

### Common time series options

These options are available whether you are graphing your time series as lines, bars, or points.

```
{{< docs/shared "visualizations/tooltip-mode.md" >}}
```

```
{{< docs/shared "visualizations/legend-mode.md" >}}
```

### Legend calculations

Choose which of the [standard calculations]({{< relref "../panels/reference-calculation-types.md">}}) to show in the legend. You can have more than one.

### Graph styles

Use these options to choose how to display your time series data.

- [Graph time series as lines]({{< relref "./graph-time-series-as-lines.md" >}})
- [Graph time series as bars]({{< relref "./graph-time-series-as-bars.md" >}})
- [Graph time series as points]({{< relref "./graph-time-series-as-points.md" >}})
- [Graph stacked time series]({{< relref "./graph-time-series-stacking.md" >}})
- [Graph and color schemes]({{< relref "./graph-color-scheme.md" >}})

### Transform

Use this option to transform the series values without affecting the values shown in the tooltip, context menu, and legend.

- **Negative Y transform** - Flip the results to negative values on the Y axis.
- **Constant** - Show first value as a constant line.

**Note:** Transform option is only available as an override.

### Axis

For more information about adjusting your time series axes, refer to [Change axis display]({{< relref "change-axis-display.md" >}}).