+++ title = "Change axis display" keywords = ["grafana", "time series panel", "documentation", "guide", "graph"] aliases = ["/docs/grafana/latest/panels/visualizations/time-series/change-axis-display/"] weight = 400 +++

Change axis display

> **Note:** This is a beta feature. Time series panel is going to replace the Graph panel in the future releases.

This section explains how to use Time series field options to control the display of axes in the visualization and illustrates what the axis options do.

Use the following field settings to refine how your axes display.

Some field options will not affect the visualization until you click outside of the field option box you are editing or press Enter.

Placement

Select the placement of the Y-axis.

Auto

Grafana automatically assigns Y-axis to the series. When there are two or more series with different units, then Grafana assigns the left axis to the first unit and right to the following units.

Left

Display all Y-axes on the left side.

Left Y-axis example

Right

Display all Y-axes on the right side.

Right Y-axis example

Hidden

Hide the Y-axes.

Hidden Y-axis example

Label

Set a Y-axis text label.

Label example

If you have more than one Y-axis, then you can give assign different labels in the Override tab. You can also set the X-axis label using an override.

Width

Set a fixed width of the axis. By default, Grafana dynamically calculates the width of an axis.

By setting the width of the axis, data whose axes types are different can share the same display proportions. This makes it easier to compare more than one graph's worth of data because the axes are not shifted or stretched within visual proximity of each other.

Soft min and soft max

Set a **Soft min** or **soft max** option for better control of Y-axis limits. By default, Grafana sets the range for the Y-axis automatically based on the dataset.

Soft min and **soft max** settings can prevent blips from turning into mountains when the data is mostly flat, and hard min or max derived from standard min and max field options can prevent intermittent spikes from flattening useful detail by clipping the spikes past a defined point.

You can set standard min/max options to define hard limits of the Y-axis. For more information, refer to [Reference: Standard field definitions]({{< relref "../../panels/reference-standard-field-definitions.md#max" >}}).

Label example

Scale

Set the scale to use for the Y-axis values.

Linear

Use scale divided into equal parts.

Logarithmic

Use a logarithmic scale. When this option is chosen, a list appears where you can choose binary (base 2) or common (base 10) logarithmic scale.

Axis examples

For examples, refer to the Grafana Play dashboard New Features in v7.4.