

Alias patterns

- replaced with measurement name
- \$measurement = replaced with measurement name
- \$1 - \$9 = replaced with part of measurement name (if you separate your measurement name with dots)
- \$col = replaced with column name
- \$tag_exampltag = replaced with the value of the exampltag tag
- You can also use `[[tag_exampltag]]` pattern replacement syntax

Stacking and fill

- When stacking is enabled it is important that points align
- If there are missing points for one series it can cause gaps or missing bars
- You must use `fill(0)`, and select a group by time low limit
- Use the group by time option below your queries and specify for example 10s if your metrics are written every 10 seconds
- This will insert zeros for series that are missing measurements and will make stacking work properly

Group by time

- Group by time is important, otherwise the query could return many thousands of datapoints that will slow down Grafana
- Leave the group by time field empty for each query and it will be calculated based on time range and pixel width of the graph
- If you use `fill(0)` or `fill(null)` set a low limit for the auto group by time interval
- The low limit can only be set in the group by time option below your queries
- Example: 60s if you write metrics to InfluxDB every 60 seconds

Documentation links: [Grafana's InfluxDB Documentation](#)

[Official InfluxDB Documentation](#)