

Prometheus PromQL

PROMQL BASIC QUERY

- Starts with a metric name. Like `ping_average_response_ms`
- Filter with labels, label filters support four operators
 - `=` equal
 - `!=` not equal
 - `=~` matches regex
 - `!~` doesn't match regex

☐ Enable query history

Try experimental React UI

Load time: 26ms
Resolution: 14s
Total time series: 4

Remove Graph

ping_average_response_ms(url=~"^amazon.*")

Execute - insert metric at cursor -

Graph Console

◀ Moment ▶

| Element | Value |
|--|---------|
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.cn") | 214.026 |
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.com") | 111.021 |
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.de") | 37.991 |
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.jp") | 182.279 |

Add Graph

☐ Enable query history

Try experimental React UI

Load time: 20ms
Resolution: 14s
Total time series: 3

Remove Graph

ping_average_response_ms(url=~"^amazon.*", url!="amazon.cn")

Execute - insert metric at cursor -

Graph Console

◀ Moment ▶

| Element | Value |
|--|---------|
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.com") | 110.362 |
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.de") | 38.659 |
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.jp") | 185.114 |

Add Graph

☐ Enable query history

Try experimental React UI

Load time: 20ms
Resolution: 14s
Total time series: 1

Remove Graph

ping_average_response_ms(url=~"^amazon.*", url!="amazon.cn")<100

Execute - insert metric at cursor -

Graph Console

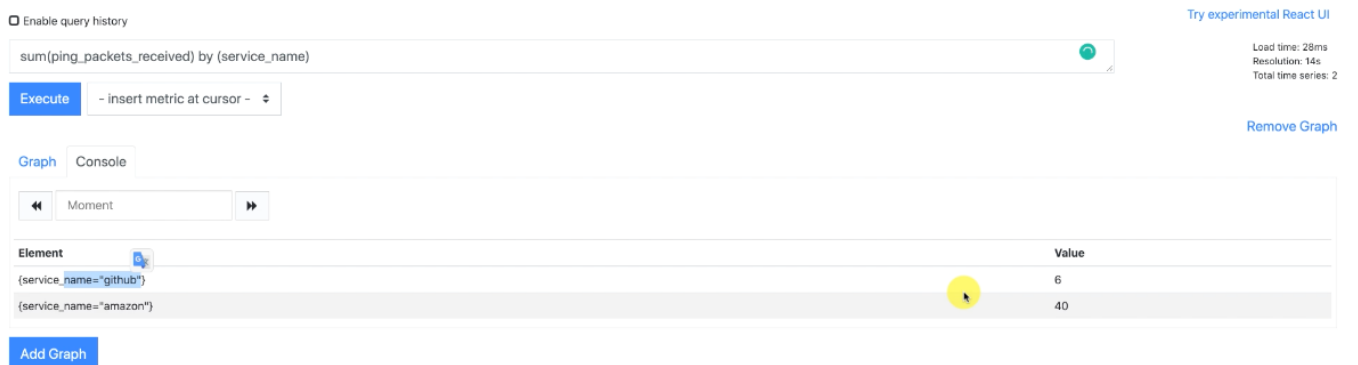
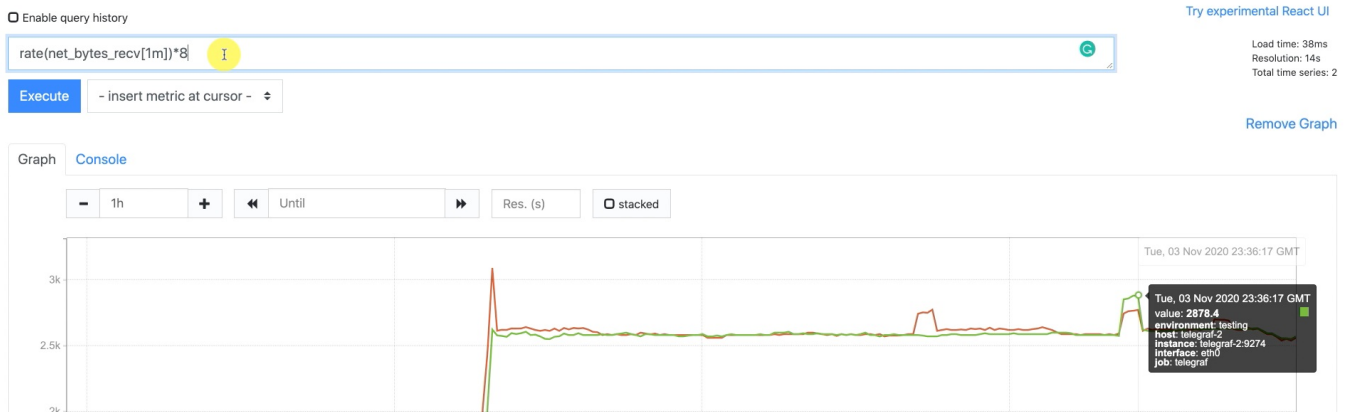
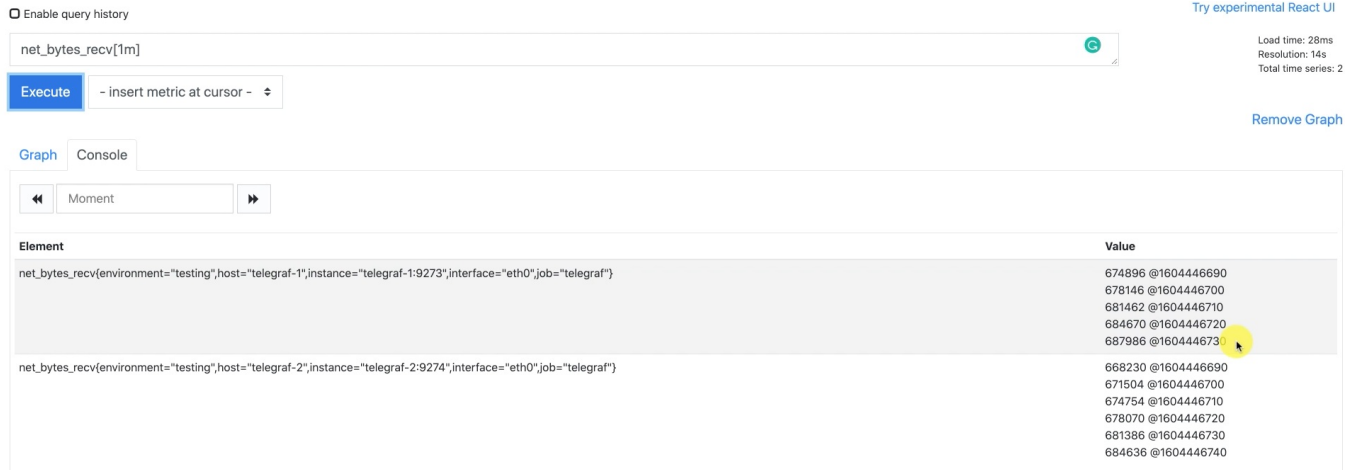
◀ Moment ▶

| Element | Value |
|---|--------|
| ping_average_response_ms(environment="testing",host="telegraf",instance="telegraf:9273",job="telegraf",service_name="amazon",url="amazon.de") | 35.107 |

Add Graph

RANGE VECTOR & INSTANT VECTOR

- Range vector selector: `http_requests_total{job="prometheus"}[5m]`
- Instant vector selector: `http_requests_total{job="prometheus",group="canary"}`



🔗 修訂版本 #2

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✍ 由 treeman 更新於 11 🕒 2024 21:55:54