Prometheus - Query Samples

Eg: ==<metric-name>{<label-name>== != "/"} / **1e9 > 100**

Querying

All partitions in my entire infrastructure with more than
100GB capacity that are not mounted on root?

```
node_filesystem_bytes_total{mountpoint!="/"} / 1e9 > 100
```

```
{device="sda1", mountpoint="/home", instance="10.0.0.1"}        118.8
{device="sda1", mountpoint="/home", instance="10.0.0.2"}        118.8
{device="sdb1", mountpoint="/data", instance="10.0.0.2"}        451.2
{device="xdvc", mountpoint="/mnt", instance="10.0.0.3"}         320.0
```

Sum By all paths

What's the ratio of request errors across all service instances?

```
    sum(rate(http_requests_total{status="500"}[5m]))
  / sum(rate(http_requests_total[5m]))
```

```
{}                              0.029
```

Group by paths

What's the ratio of request errors across all service instances?

```
    sum by(path) (rate(http_requests_total{status="500"}[5m]))
  / sum by(path) (rate(http_requests_total[5m]))
```

```
{path="/status"}                        0.0039
{path="/"}                              0.0011
{path="/api/v1/topics/:topic"}          0.087
{path="/api/v1/topics}                  0.0342
```

Latency Distribution

```
99th percentile request latency across all instances?
  histogram_quantile(0.99,
    sum without(instance) (rate(request_latency_seconds_bucket[5m]))
  )
```

{path="/status", method="GET"}	0.012
{path="/", method="GET"}	0.43
{path="/api/v1/topics/:topic", method="POST"}	1.31
{path="/api/v1/topics, method="GET"}	0.192

Prometheus - Query Samples

Eg: <mark>*<metric-name>{<label-name>*</mark> *!= "/"} / 1e9 > 100*

Querying

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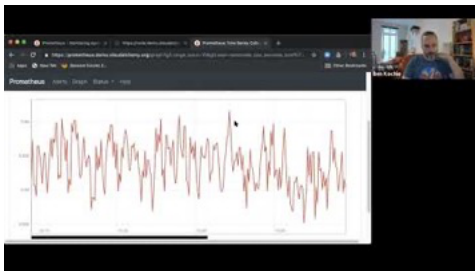|	
{path="/status"}	0.0039
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Latency Distribution

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Prometheus - Reference Links

[Prometheus 101](#)

[Setting up Prometheus and Grafana for monitoring your servers](#)