Prometheus

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```
>_  node_cpu_seconds_total{mode="idle"}[1m]
```
⋮ Execute

Table   **Graph**   **Explain**

< Evaluation time >

Load time: 28ms   Result series: 2

node_cpu_seconds_total{**cpu**="0", **instance**="130.61.219.247:9100", **job**="OL8", **mode**="idle"}	88817.24 @ 1739427475.236 88832.11 @ 1739427490.236 88846.96 @ 1739427505.236 88861.82 @ 1739427520.236
node_cpu_seconds_total{**cpu**="0", **instance**="192.168.1.7:9100", **job**="OL7", **mode**="idle"}	9009.82 @ 1739427476.4 9019.61 @ 1739427486.4 9029.42 @ 1739427496.4 9039.28 @ 1739427506.4 9049.1 @ 1739427516.4 9058.88 @ 1739427526.4

```
>_  10.9
```
⋮ Execute

Table   **Graph**   **Explain**

< Evaluation time >

Load time: 7ms   Result series: 2

Scalar value	10.9

```
>_  vector(10.9)
```
⋮ Execute

Table   **Graph**   **Explain**

< Evaluation time >

Load time: 10ms   Result series: 1

{}	10.9

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⊞ Table   ⊡ Graph   ⓘ Explain

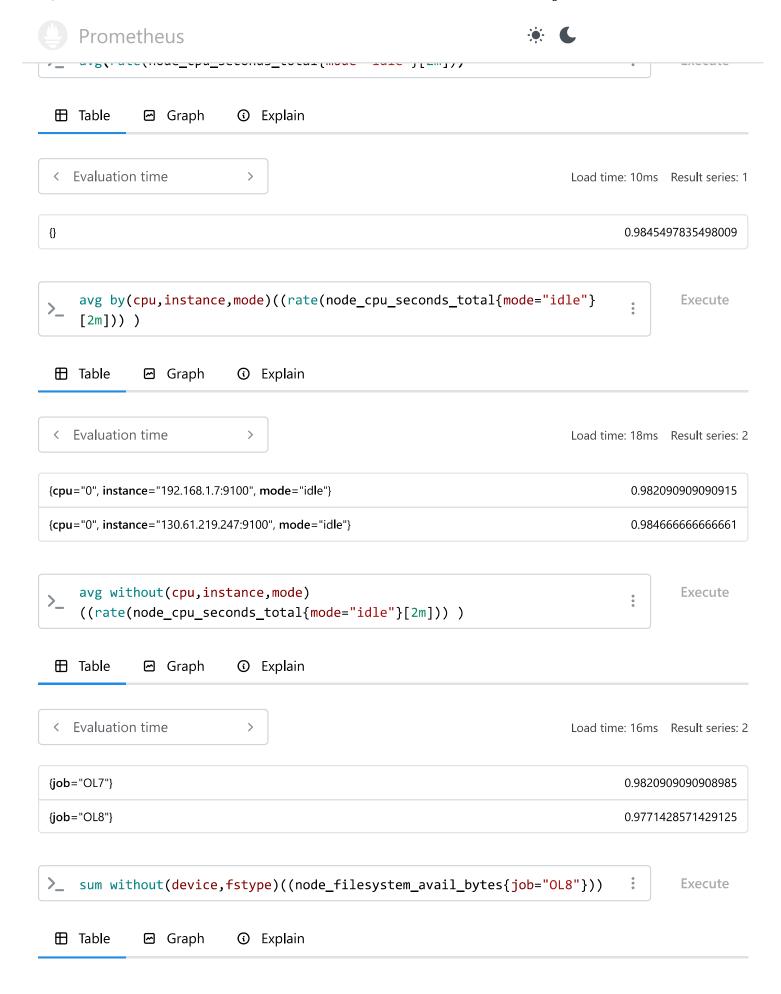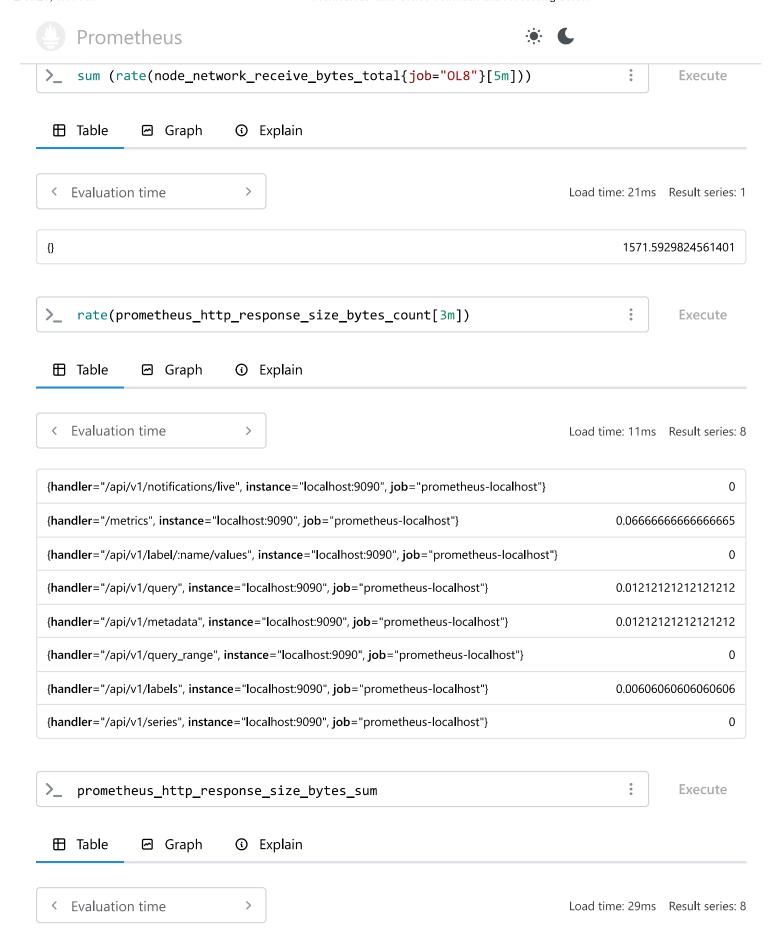| ‹ Evaluation time ›	Load time: 22ms Result series: 16

{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="idle"}	0.982818181818187
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="iowait"}	0.00009090909090909098
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="irq"}	0
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="nice"}	0
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="softirq"}	0.0010909090909091322
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="steal"}	0
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="system"}	0.003454545454545413
{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="user"}	0.000181818181818186
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="idle"}	0.9888571428571594
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="iowait"}	0
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="irq"}	0.0008571428571428895
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="nice"}	0.0010476190476191775
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="softirq"}	0.000571428571428593
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="steal"}	0
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="system"}	0.0029523809523809737
{cpu="0", instance="130.61.219.247:9100", job="OL8", mode="user"}	0.0040952380952381595

```
>_   rate(node_cpu_seconds_total{mode="idle"}[2m])
```
⋮   Execute

⊞ Table   ⊡ Graph   ⓘ Explain

‹ Evaluation time ›	Load time: 12ms Result series: 2

{cpu="0", instance="192.168.1.7:9100", job="OL7", mode="idle"}	0.9825454545454538

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```
avg(rate(node_cpu_seconds_total{mode="idle"}[2m]))
```
⋮ Execute

▦ Table	🖼 Graph	ⓘ Explain

| < Evaluation time > | Load time: 10ms Result series: 1 |

| {} | 0.9845497835498009 |

```
avg by(cpu,instance,mode)((rate(node_cpu_seconds_total{mode="idle"}
[2m])) )
```
⋮ Execute

▦ Table	🖼 Graph	ⓘ Explain

| < Evaluation time > | Load time: 18ms Result series: 2 |

| {cpu="0", instance="192.168.1.7:9100", mode="idle"} | 0.982090909090915 |
| {cpu="0", instance="130.61.219.247:9100", mode="idle"} | 0.984666666666661 |

```
avg without(cpu,instance,mode)
((rate(node_cpu_seconds_total{mode="idle"}[2m])) )
```
⋮ Execute

▦ Table	🖼 Graph	ⓘ Explain

| < Evaluation time > | Load time: 16ms Result series: 2 |

| {job="OL7"} | 0.9820909090908985 |
| {job="OL8"} | 0.9771428571429125 |

```
sum without(device,fstype)((node_filesystem_avail_bytes{job="OL8"}))
```
⋮ Execute

▦ Table	🖼 Graph	ⓘ Explain

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{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/var/oled"}	10523295744
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/"}	25506222080
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot/efi"}	98396160
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot"}	683118592
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run"}	8189239296
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run/user/1000"}	1646370816
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run/user/986"}	1646370816

```
>_  max without(device,fstype)((node_filesystem_avail_bytes{job="OL8"}))   ⋮   Execute
```

🔲 Table   🖼 Graph   ⓘ Explain

| ‹ Evaluation time › | | Load time: 24ms   Result series: 7 |

{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/var/oled"}	10523295744
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/"}	25506222080
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot/efi"}	98396160
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot"}	683118592
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run"}	8189239296
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run/user/1000"}	1646370816
{**instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run/user/986"}	1646370816

```
>_  rate(node_network_receive_bytes_total{job="OL8"}[5m])   ⋮   Execute
```

🔲 Table   🖼 Graph   ⓘ Explain

| ‹ Evaluation time › | | Load time: 17ms   Result series: 2 |

{**device**="ens3", **instance**="130.61.219.247:9100", **job**="OL8"}	1575.0842105263157

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```
>_   sum (rate(node_network_receive_bytes_total{job="OL8"}[5m]))
```
⋮   Execute

⊞ Table   🖼 Graph   ⓘ Explain

‹ Evaluation time ›
Load time: 21ms   Result series: 1

{}	1571.5929824561401

```
>_   rate(prometheus_http_response_size_bytes_count[3m])
```
⋮   Execute

⊞ Table   🖼 Graph   ⓘ Explain

‹ Evaluation time ›
Load time: 11ms   Result series: 8

{handler="/api/v1/notifications/live", instance="localhost:9090", job="prometheus-localhost"}	0
{handler="/metrics", instance="localhost:9090", job="prometheus-localhost"}	0.06666666666666665
{handler="/api/v1/label/:name/values", instance="localhost:9090", job="prometheus-localhost"}	0
{handler="/api/v1/query", instance="localhost:9090", job="prometheus-localhost"}	0.01212121212121212
{handler="/api/v1/metadata", instance="localhost:9090", job="prometheus-localhost"}	0.01212121212121212
{handler="/api/v1/query_range", instance="localhost:9090", job="prometheus-localhost"}	0
{handler="/api/v1/labels", instance="localhost:9090", job="prometheus-localhost"}	0.00606060606060606
{handler="/api/v1/series", instance="localhost:9090", job="prometheus-localhost"}	0

```
>_   prometheus_http_response_size_bytes_sum
```
⋮   Execute

⊞ Table   🖼 Graph   ⓘ Explain

‹ Evaluation time ›
Load time: 29ms   Result series: 8

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prometheus_http_response_size_bytes_sum{**handler**="/metrics", **instance**="localhost:9090", **job**="prometheus-localhost"}	3676981
prometheus_http_response_size_bytes_sum{**handler**="/api/v1/label/:name/values", **instance**="localhost:9090", **job**="prometheus-localhost"}	7917
prometheus_http_response_size_bytes_sum{**handler**="/api/v1/query", **instance**="localhost:9090", **job**="prometheus-localhost"}	15767
prometheus_http_response_size_bytes_sum{**handler**="/api/v1/metadata", **instance**="localhost:9090", **job**="prometheus-localhost"}	267549
prometheus_http_response_size_bytes_sum{**handler**="/api/v1/query_range", **instance**="localhost:9090", **job**="prometheus-localhost"}	21038
prometheus_http_response_size_bytes_sum{**handler**="/api/v1/labels", **instance**="localhost:9090", **job**="prometheus-localhost"}	1209
prometheus_http_response_size_bytes_sum{**handler**="/api/v1/series", **instance**="localhost:9090", **job**="prometheus-localhost"}	2253

```
>_   sum without(instance)
     (rate(prometheus_http_response_size_bytes_sum[5m]))
```
⋮   Execute

⊞ Table   ⊡ Graph   ⓘ Explain

‹ Evaluation time ›		Load time: 14ms Result series: 8

{**handler**="/api/v1/notifications/live", **job**="prometheus-localhost"}	0
{**handler**="/metrics", **job**="prometheus-localhost"}	831.5508771929824
{**handler**="/api/v1/label/:name/values", **job**="prometheus-localhost"}	0
{**handler**="/api/v1/query", **job**="prometheus-localhost"}	7.83859649122807
{**handler**="/api/v1/metadata", **job**="prometheus-localhost"}	163.2771929824561
{**handler**="/api/v1/query_range", **job**="prometheus-localhost"}	0
{**handler**="/api/v1/labels", **job**="prometheus-localhost"}	1.4140350877192982
{**handler**="/api/v1/series", **job**="prometheus-localhost"}	0

```
>_   sum without(instance)
     (rate(prometheus_http_response_size_bytes_sum[5m]))
```
⋮   Execute

Prometheus ☀ 🌙

Evaluation time	Load time: 13ms Result series: 8

{**handler**="/api/v1/notifications/live", **job**="prometheus-localhost"}	0
{**handler**="/metrics", **job**="prometheus-localhost"}	12482.052631578947
{**handler**="/api/v1/label/:name/values", **job**="prometheus-localhost"}	NaN
{**handler**="/api/v1/query", **job**="prometheus-localhost"}	175.5
{**handler**="/api/v1/metadata", **job**="prometheus-localhost"}	11634
{**handler**="/api/v1/query_range", **job**="prometheus-localhost"}	NaN
{**handler**="/api/v1/labels", **job**="prometheus-localhost"}	NaN
{**handler**="/api/v1/series", **job**="prometheus-localhost"}	NaN

```
sum without(instance,handler)(sum without(instance)
(rate(prometheus_http_response_size_bytes_sum[5m])))
/ sum without(instance,handler)(sum without(instance)
(rate(prometheus_http_response_size_bytes_count[5m])))
```
Execute

⊞ Table   ▣ Graph   ⓘ Explain

Evaluation time	Load time: 12ms Result series: 1

{**job**="prometheus-localhost"}	6819.928571428572

```
topk(2,node_filesystem_size_bytes)
```
Execute

⊞ Table   ▣ Graph   ⓘ Explain

Evaluation time	Load time: 20ms Result series: 2

node_filesystem_size_bytes{**device**="/dev/mapper/ocivolume-root", **fstype**="xfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/"}	38099222528

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```
>_    bottomk(2,node_filesystem_size_bytes)                          ⋮    Execute
```

▦ Table   🖾 Graph   ⓘ Explain

< Evaluation time >   Load time: 14ms   Result series: 2

node_filesystem_size_bytes{**device**="tmpfs", **fstype**="tmpfs", **instance**="192.168.1.7:9100", **job**="OL7", **mountpoint**="/run/user/0"}	103841792
node_filesystem_size_bytes{**device**="/dev/sda1", **fstype**="vfat", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot/efi"}	104634368

```
>_    time()                                                         ⋮    Execute
```

▦ Table   🖾 Graph   ⓘ Explain

< Evaluation time >   Load time: 59ms   Result series: 2

Scalar value	1739429838.15

```
>_    process_start_time_seconds                                     ⋮    Execute
```

▦ Table   🖾 Graph   ⓘ Explain

< Evaluation time >   Load time: 11ms   Result series: 3

process_start_time_seconds{**instance**="localhost:9090", **job**="prometheus-localhost"}	1739424382
process_start_time_seconds{**instance**="192.168.1.7:9100", **job**="OL7"}	1739418148.56
process_start_time_seconds{**instance**="130.61.219.247:9100", **job**="OL8"}	1739361844.92

```
>_    time() - process_start_time_seconds                           ⋮    Execute
```

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⟨ Evaluation time ⟩   Load time: 54ms   Result series: 3

{**instance**="localhost:9090", **job**="prometheus-localhost"}	5616.588999986649
{**instance**="192.168.1.7:9100", **job**="OL7"}	11850.029000043869
{**instance**="130.61.219.247:9100", **job**="OL8"}	68153.66899991035

```
time() - process_start_time_seconds >3600
```
⋮   Execute

⊞ Table   ▨ Graph   ⓘ Explain

⟨ Evaluation time ⟩   Load time: 39ms   Result series: 3

{**instance**="localhost:9090", **job**="prometheus-localhost"}	5606.786999940872
{**instance**="192.168.1.7:9100", **job**="OL7"}	11840.226999998093
{**instance**="130.61.219.247:9100", **job**="OL8"}	68143.86699986458

```
year(process_start_time_seconds)
```
⋮   Execute

⊞ Table   ▨ Graph   ⓘ Explain

⟨ Evaluation time ⟩   Load time: 21ms   Result series: 3

{**instance**="localhost:9090", **job**="prometheus-localhost"}	2025
{**instance**="192.168.1.7:9100", **job**="OL7"}	2025
{**instance**="130.61.219.247:9100", **job**="OL8"}	2025

```
month(process_start_time_seconds)
```
⋮   Execute

⊞ Table   ▨ Graph   ⓘ Explain

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{**instance**="localhost:9090", **job**="prometheus-localhost"}	2
{**instance**="192.168.1.7:9100", **job**="OL7"}	2
{**instance**="130.61.219.247:9100", **job**="OL8"}	2

```
>_   minute(process_start_time_seconds)                    ⋮    Execute
```

⊞ Table   🖼 Graph   ⓘ Explain

‹ Evaluation time ›	Load time: 27ms Result series: 3

{**instance**="localhost:9090", **job**="prometheus-localhost"}	26
{**instance**="192.168.1.7:9100", **job**="OL7"}	42
{**instance**="130.61.219.247:9100", **job**="OL8"}	4

```
>_   day_of_month(process_start_time_seconds)              ⋮    Execute
```

⊞ Table   🖼 Graph   ⓘ Explain

‹ Evaluation time ›	Load time: 22ms Result series: 3

{**instance**="localhost:9090", **job**="prometheus-localhost"}	13
{**instance**="192.168.1.7:9100", **job**="OL7"}	13
{**instance**="130.61.219.247:9100", **job**="OL8"}	12

```
>_   up                                                    ⋮    Execute
```

⊞ Table   🖼 Graph   ⓘ Explain

‹ Evaluation time ›	Load time: 26ms Result series: 3

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up{**instance**="192.168.1.7:9100", **job**="OL7"} 1

>_ timestamp(up) ⋮ Execute

⊞ Table 🖾 Graph ⓘ Explain

< Evaluation time > Load time: 30ms Result series: 3

{**instance**="localhost:9090", **job**="prometheus-localhost"} 1739430160.048

{**instance**="130.61.219.247:9100", **job**="OL8"} 1739430160.236

{**instance**="192.168.1.7:9100", **job**="OL7"} 1739430156.4

>_ up == 1 ⋮ Execute

⊞ Table 🖾 Graph ⓘ Explain

< Evaluation time > Load time: 18ms Result series: 3

up{**instance**="localhost:9090", **job**="prometheus-localhost"} 1

up{**instance**="130.61.219.247:9100", **job**="OL8"} 1

up{**instance**="192.168.1.7:9100", **job**="OL7"} 1

>_ sum by(fstype,instance)(node_filesystem_size_bytes) ⋮ Execute

✕

sum by(fstype, instance)   5 results — 12ms — fstype: 3 instance: 2

node_filesystem_size_bytes   11 results — 38ms — mountpoint: 8 device: 6 fstype: 3 instance: 2 job:

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< Evaluation time >

Load time: 81ms   Result series: 11

node_filesystem_size_bytes{**device**="/dev/mapper/ol-root", **fstype**="xfs", **instance**="192.168.1.7:9100", **job**="OL7", **mountpoint**="/"}	10504634368
node_filesystem_size_bytes{**device**="/dev/sda1", **fstype**="xfs", **instance**="192.168.1.7:9100", **job**="OL7", **mountpoint**="/boot"}	1063256064
node_filesystem_size_bytes{**device**="tmpfs", **fstype**="tmpfs", **instance**="192.168.1.7:9100", **job**="OL7", **mountpoint**="/run"}	519196672
node_filesystem_size_bytes{**device**="tmpfs", **fstype**="tmpfs", **instance**="192.168.1.7:9100", **job**="OL7", **mountpoint**="/run/user/0"}	103841792
node_filesystem_size_bytes{**device**="/dev/mapper/ocivolume-oled", **fstype**="xfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/var/oled"}	10726932480
node_filesystem_size_bytes{**device**="/dev/mapper/ocivolume-root", **fstype**="xfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/"}	38099222528
node_filesystem_size_bytes{**device**="/dev/sda1", **fstype**="vfat", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot/efi"}	104634368
node_filesystem_size_bytes{**device**="/dev/sda2", **fstype**="xfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/boot"}	1063256064
node_filesystem_size_bytes{**device**="tmpfs", **fstype**="tmpfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run"}	8231870464
node_filesystem_size_bytes{**device**="tmpfs", **fstype**="tmpfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run/user/1000"}	1646370816
node_filesystem_size_bytes{**device**="tmpfs", **fstype**="tmpfs", **instance**="130.61.219.247:9100", **job**="OL8", **mountpoint**="/run/user/986"}	1646370816

```
>_   sum by(fstype,instance)(node_filesystem_size_bytes) >= 11567890432
```

⋮   Execute

⊞ Table   ⌧ Graph   ⓘ Explain

< Evaluation time >

Load time: 19ms   Result series: 2

{**fstype**="xfs", **instance**="192.168.1.7:9100"}	11567890432
{**fstype**="xfs", **instance**="130.61.219.247:9100"}	49889411072

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11567890452

Table	Graph	Explain

‹ Evaluation time ›		Load time: 18ms	Result series: 5

{**fstype**="xfs", **instance**="192.168.1.7:9100"}	1
{**fstype**="tmpfs", **instance**="192.168.1.7:9100"}	0
{**fstype**="xfs", **instance**="130.61.219.247:9100"}	1
{**fstype**="vfat", **instance**="130.61.219.247:9100"}	0
{**fstype**="tmpfs", **instance**="130.61.219.247:9100"}	0

```
>_    sum(node_filefd_maximum)                          ⋮    Execute
```

Table	Graph	Explain

‹ Evaluation time ›		Load time: 53ms	Result series: 1

{}	1696490

```
>_    scalar(vector(10))                                ⋮    Execute
```

Table	Graph	Explain

‹ Evaluation time ›		Load time: 29ms	Result series: 2

Scalar value	10

```
>_    scalar(sum(node_filefd_maximum))                  ⋮    Execute
```

Table	Graph	Explain

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Scalar value	1696490

```
>_  process_open_fds                                        ⋮    Execute
```

▦ Table   ⊡ Graph   ⓘ Explain

‹ Evaluation time ›   Load time: 47ms   Result series: 3

process_open_fds{**instance**="localhost:9090", **job**="prometheus-localhost"}	266
process_open_fds{**instance**="192.168.1.7:9100", **job**="OL7"}	10
process_open_fds{**instance**="130.61.219.247:9100", **job**="OL8"}	9

```
>_  process_max_fds                                         ⋮    Execute
```

▦ Table   ⊡ Graph   ⓘ Explain

‹ Evaluation time ›   Load time: 47ms   Result series: 3

process_max_fds{**instance**="localhost:9090", **job**="prometheus-localhost"}	16777216
process_max_fds{**instance**="192.168.1.7:9100", **job**="OL7"}	4096
process_max_fds{**instance**="130.61.219.247:9100", **job**="OL8"}	262144

```
>_  sum without(cpu)(rate(node_cpu_seconds_total[5m])) /ignoring(mode)   ⋮   Execute
    group_left sum without(cpu,mode)(rate(node_cpu_seconds_total[5m]))
```

▦ Table   ⊡ Graph   ⓘ Explain

‹ Evaluation time ›   Load time: 27ms   Result series: 16

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{**instance**="192.168.1.7:9100", **job**="OL7", **mode**="irq"}	0
{**instance**="192.168.1.7:9100", **job**="OL7", **mode**="nice"}	0
{**instance**="192.168.1.7:9100", **job**="OL7", **mode**="softirq"}	0.0014336666899783068
{**instance**="192.168.1.7:9100", **job**="OL7", **mode**="steal"}	0
{**instance**="192.168.1.7:9100", **job**="OL7", **mode**="system"}	0.003741520386040954
{**instance**="192.168.1.7:9100", **job**="OL7", **mode**="user"}	0.0002098048814602404
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="idle"}	0.9894237526352774
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="iowait"}	0
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="irq"}	0.0008081517919887799
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="nice"}	0.0012297962052003758
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="softirq"}	0.0005270555165144326
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="steal"}	0
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="system"}	0.004216444132115261
{**instance**="130.61.219.247:9100", **job**="OL8", **mode**="user"}	0.003794799718903715

+ Add query