

## 1. Currently having 4 talaria and only 1 simulator device connected to talaria

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_active\_connections

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	1
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-3.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0

Remove Graph

Add Graph

Enable query history

dev\_xmidt\_talaria\_hardware\_model

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_hardware_model(firmware="mock-rdkb-firmware",instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",model="aker-testing",partnerid="unknown",trust="0")	1

Remove Graph

## 2. Will make talaria 2 and 3 down, Now simulator device is connected to talaria1

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_hardware\_model

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_hardware_model(firmware="mock-rdkb-firmware",instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",model="aker-testing",partnerid="unknown",trust="0")	1

Remove Graph

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_active\_connections

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	1

Remove Graph

### 3. Rehash metrics

Enable query history

dev\_xmidt\_talaria\_rehash\_disconnect\_device ⌵ ⌵

Execute - insert metric at cursor ⌵

Graph Console

⏪ Moment ⏩

Element	Value
dev_xmidt_talaria_rehash_disconnect_device(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_disconnect_device(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0

[Remove Graph](#)

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_rehash\_duration\_ms ⌵ ⌵

Execute - insert metric at cursor ⌵

Graph Console

⏪ Moment ⏩

Element	Value
dev_xmidt_talaria_rehash_duration_ms(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_duration_ms(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0

[Remove Graph](#)

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_rehash\_keep\_device ⌵ ⌵

Execute - insert metric at cursor ⌵

Graph Console

⏪ Moment ⏩

Element	Value
dev_xmidt_talaria_rehash_keep_device(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_keep_device(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0

[Remove Graph](#)

Enable query history

dev\_xmidt\_talaria\_rehash\_timestamp ⌵ ⌵

Execute - insert metric at cursor ⌵

Graph Console

⏪ Moment ⏩

Element	Value
dev_xmidt_talaria_rehash_timestamp(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	1625033995
dev_xmidt_talaria_rehash_timestamp(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	1625033995

[Remove Graph](#)

### 4. Starting kratos with 500 instances.

## 5. Now talaria0 is having 500 WS connections.

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_active\_connections ⌂

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	500
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	1

[Remove Graph](#)

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Enable query history

dev\_xmidt\_talaria\_hardware\_model ⌂

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_hardware_model(firmware="mock-rdkb-firmware",instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",model="aker-testing",partnerid="unknown",trust="0")	1
dev_xmidt_talaria_hardware_model(firmware="unknown",instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",model="unknown",partnerid="unknown",trust="0")	500

[Remove Graph](#)

## 6. Now adding talaria2 and talaria3

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_active\_connections ⌂

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	1
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	1

[Remove Graph](#)

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Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_active\_connections ⌂

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	1
dev_xmidt_talaria_active_connections(instance="xmidt-talaria-3.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",server="primary")	0

[Remove Graph](#)

- In step 6 we saw all the devices were drained when talaria 2 came online.
- Here are rehash metrics after step 6.

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_rehash\_disconnect\_device 3

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_rehash_disconnect_device(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_disconnect_device(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_disconnect_device(instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_disconnect_device(instance="xmidt-talaria-3.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0

[Remove Graph](#)

Load time: 376ms  
Resolution: 14s  
Total time series: 4

Prometheus Alerts Graph Status Help

Enable query history

dev\_xmidt\_talaria\_rehash\_keep\_device 3

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_rehash_keep_device(instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_keep_device(instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_keep_device(instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0
dev_xmidt_talaria_rehash_keep_device(instance="xmidt-talaria-3.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria")	0

[Remove Graph](#)

Load time: 356ms  
Resolution: 14s  
Total time series: 4

Enable query history

dev\_xmidt\_talaria\_rehash\_timestamp

Load time: 352ms  
Resolution: 14s  
Total time series: 4

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_rehash_timestamp{instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	1625035297
dev_xmidt_talaria_rehash_timestamp{instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	1625035297
dev_xmidt_talaria_rehash_timestamp{instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	1625035297
dev_xmidt_talaria_rehash_timestamp{instance="xmidt-talaria-3.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	1625035297

[Remove Graph](#)

Enable query history

dev\_xmidt\_talaria\_rehash\_disconnect\_device

Load time: 352ms  
Resolution: 14s  
Total time series: 4

Execute - insert metric at cursor

Graph Console

◀ Moment ▶

Element	Value
dev_xmidt_talaria_rehash_disconnect_device{instance="xmidt-talaria-0.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	0
dev_xmidt_talaria_rehash_disconnect_device{instance="xmidt-talaria-1.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	0
dev_xmidt_talaria_rehash_disconnect_device{instance="xmidt-talaria-2.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	0
dev_xmidt_talaria_rehash_disconnect_device{instance="xmidt-talaria-3.rdk-shared-dev.svc.cluster.local:6204",job="talaria-shared-dev",service="talaria"}	0

[Remove Graph](#)

[Add Graph](#)