

Cluster Monitoring: Why do I have no monitoring history for disk-related metrics?

Why do I have no monitoring history for disk-related metrics?

(or, approaching this issue from the other side)

Too many disks are causing too many metrics -- what now?

If you have a lot of disks per node, you get a lot of disk metrics.

On a newly installed cluster 50 disks is set as the default maximum number of disks per node that will have their metrics tracked (For cmdaemon versions earlier than 18795 it is 6 for the regular nodes, and 100 for the head node).

But you may not want to store all the data to the CMDaemon database - after all, 1000+ metrics per node gets pretty large, slow, messy, and may be pointless for your needs.

One way to deal with this is that you can opt to not store any data if you exceed a value of `MaxAutoDetectDisks`.

`MaxAutoDetectDisks` is thus the parameter that you can set to limit the number of disks per nodes that will have their metrics tracked. It is an `AdvancedConfig` setting (see the Admin Manual for more on `AdvancedConfig`). So you set it in `cmd.conf` like:

```
AdvancedConfig = { "MaxAutoDetectDisks=60" }
```

You can also set it to 0, which means you can have no limit to the number of disks per node that get their metrics stored:

```
AdvancedConfig = { "MaxAutoDetectDisks=0" }
```

If `MaxAutoDetectDisks` is exceeded (or if it is set to 0) then, for all disk metrics that `cmdaemon` deals with, none of them are stored. The `Store` attribute in the metric configuration of the disk metric will then show that it is not being stored. For example, for the disk metric `SectorsRead` metrics, for the device `dm-0`:

```
bright61->monitoring->setup[default]->metricconf]% show SectorsRead:dm-0
```

```
Parameter      Value
```

```
-----
```

```
Metric          SectorsRead
```

```
MetricParam     dm-0
```

```
Store           no
```

```
...
```

Cluster Monitoring: Why do I have no monitoring history for disk-related metrics?

Unique solution ID: #1157

Author: Frank Furter

Last update: 2013-11-06 13:36