ДЗ-02: Хранилище метрик – VictoriaMetrics

Установка
https://www.dmosk.ru/miniinstruktions.php?mini=victoriametrics

```
wget https://github.com/VictoriaMetrics/VictoriaMetrics/releases/download/v1.96.0/victoria-metrics-linux-amd64-v1.96.0.tar.gz
tar zxf victoria-metrics-linux-amd64-*.tar.gz -C /usr/local/bin/
useradd -r -c 'VictoriaMetrics TSDB Service' victoriametrics
mkdir -p /var/lib/victoriametrics /run/victoriametrics
chown victoriametrics:victoriametrics /var/lib/victoriametrics /run/victoriametrics
```

Настройка сервиса
```
vi /etc/systemd/system/victoriametrics.service
```

Задаем ретеншн = 2 недели (параметр)
```
[Unit]
Description=VictoriaMetrics
After=network.target

[Service]
Type=simple
User=victoriametrics
PIDFile=/run/victoriametrics/victoriametrics.pid
ExecStart=/usr/local/bin/victoria-metrics-prod -storageDataPath /var/lib/victoriametrics -retentionPeriod 2w
ExecStop=/bin/kill -s SIGTERM $MAINPID
StartLimitBurst=5
StartLimitInterval=0
Restart=on-failure
RestartSec=1

[Install]
WantedBy=multi-user.target
```

```
systemctl daemon-reload
systemctl enable victoriametrics --now
systemctl status victoriametrics
curl 127.0.0.1:8428
```

Настройка prometheus
```
vi /etc/prometheus/prometheus.yml
```

```
global:
  external_labels:
    site: prod

remote_write:
 - url: http://127.0.0.1:8428/api/v1/write
   queue_config:
     max_samples_per_send: 10000
     capacity: 20000
     max_shards: 30
```

```
systemctl restart prometheus
http://127.0.0.1:8428/vmui/
```

127.0.0.1:8428/vmui/?#/dashboards?g0.range_input=30m&g0.end_input=2024-01-25T18%3A22%3A50&g0. 80%

VMUI   Query   Explore ▾   Tools ▾   Dashboards
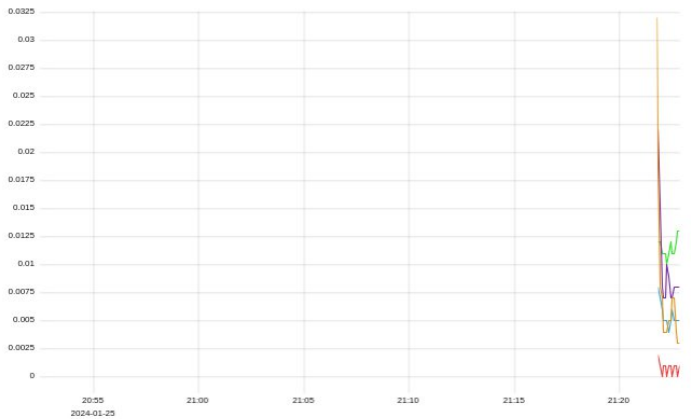
STEP 5s   LAST 30 MINUTES   OFF ▾

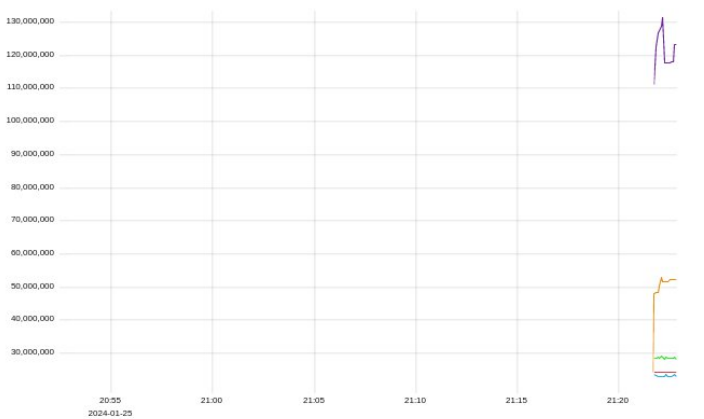**1. per-job resource usage**   (4 panels) ^

ⓘ Per-job CPU usage ⚙

sum(rate(process_cpu_seconds_total)) by (job)   ^

■ { job="node" }
  min: 0.01   median: 0.011   max: 0.013
■ { job="prometheus" }
  min: 0.007   median: 0.008   max: 0.022
■ { job="db" }
  min: 0.004   median: 0.005   max: 0.008
■ { job="victoria" }
  min: 0.003   median: 0.005   max: 0.032
■ { job="blackbox_exporter" }
  min: 0   median: 0.001   max: 0.002

ⓘ Per-job RSS usage ⚙

sum(process_resident_memory_bytes) by (job)   ^

■ { job="prometheus" }
  min: 111,100,000   median: 122,500,000   max: 131,300,000
■ { job="victoria" }
  min: 24,200,000   median: 51,590,000   max: 52,700,000
■ { job="node" }
  min: 27,959,000   median: 28,545,000   max: 28,983,000
■ { job="blackbox_exporter" }
  min: 24,313,856   median: 24,313,856   max: 24,313,856
■ { job="db" }
  min: 22,770,000   median: 22,950,000   max: 23,523,000