

# Grafana

## Задание

- Собрать в Docker Compose систему мониторинга всех серверов на основе Grafana-Elasticsearch-Node Exporter
- Создать бот в телеграм и подключить к нему алерты с уведомлениями.



Не защищено | 95.216.221.119:3000/d/rYdddIPWk/node-exporter-full?orgId=1&amp;from=now-5m&amp;to=now



General / Node Exporter Full



Last 5 minutes



datasource

default

Job

node

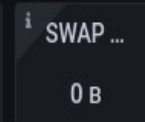
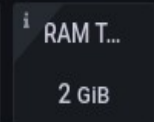
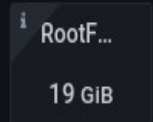
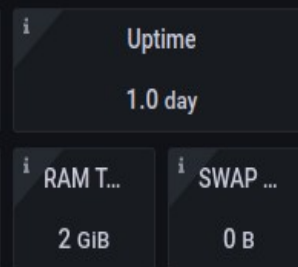
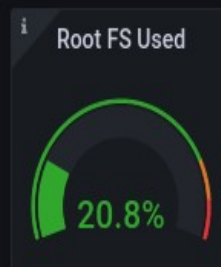
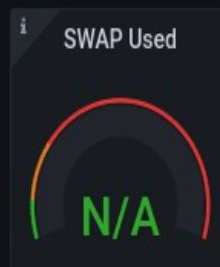
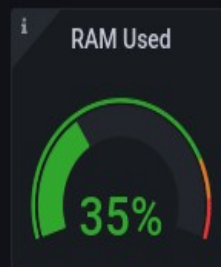
Host:

node-exporter:9100

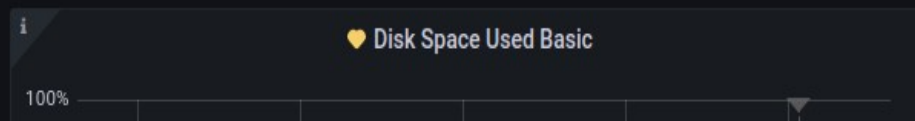
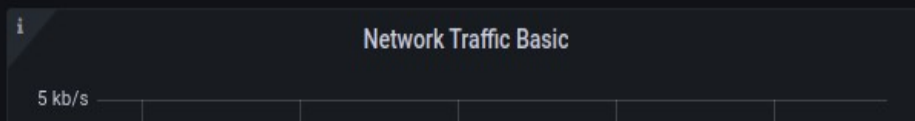
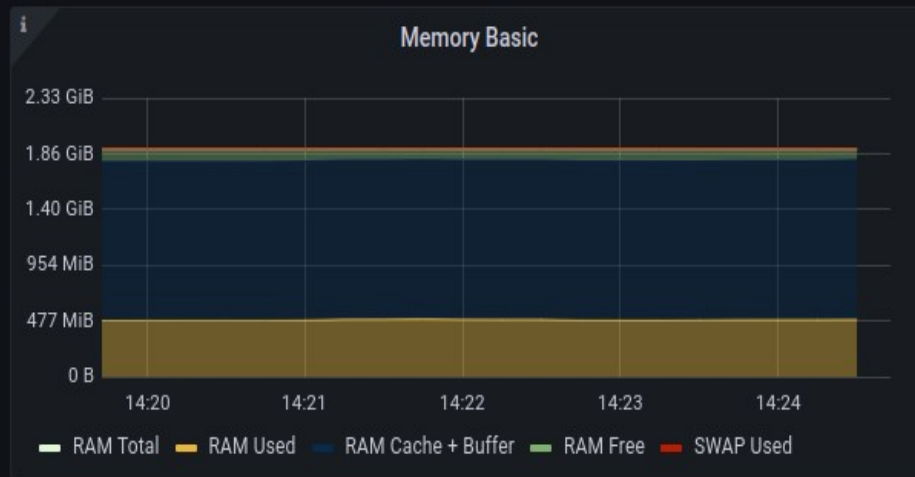
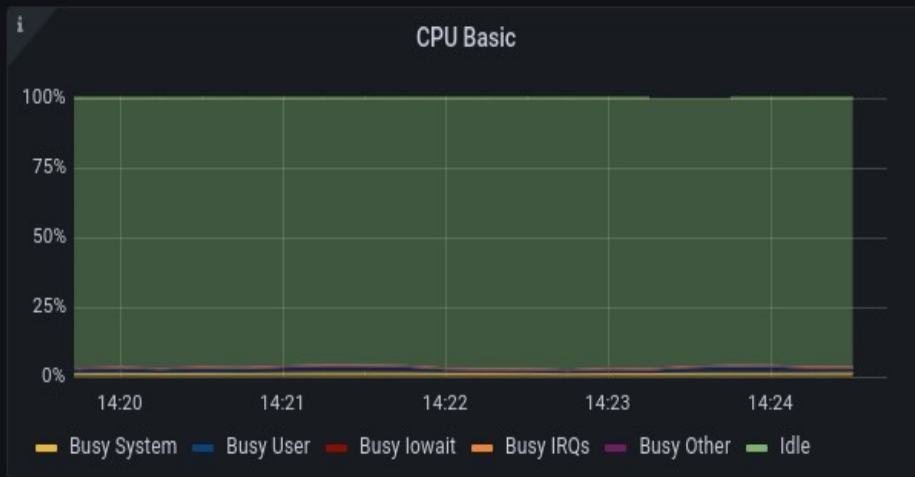
GitHub

Grafana

## Quick CPU / Mem / Disk



## Basic CPU / Mem / Net / Disk





Prometheus

Alerts

Graph

Status ▾

Help



## Targets

All Unhealthy Expand All



BK-app-qa (1/1 up) [show more](#)

BK-bkp (1/1 up) [show more](#)

BK-dev (1/1 up) [show more](#)

BK-gw-prod (1/1 up) [show more](#)

BK-gw-qa (1/1 up) [show more](#)

BK-parser-qa (1/1 up) [show more](#)

BK-prod (1/1 up) [show more](#)

blackbox (1/1 up) [show more](#)

root@debianGrafana:/opt# docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
e617e262d79b	grafana/grafana	"/run.sh"	21 hours ago	Up 21 hours	0.0.0.0:3000->3000/tcp, :::3000->3000/tcp
9c08430115e8	metalmatze/alertmanager-bot:0.4.3	"/usr/bin/alertmanag..."	21 hours ago	Up 21 hours	0.0.0.0:8080->8080/tcp, :::8080->8080/tcp
248f55e44b0f	prom/blackbox-exporter	"/bin/blackbox_expor..."	21 hours ago	Up 21 hours	0.0.0.0:9115->9115/tcp, :::9115->9115/tcp
75e2ed7c6add	prom/prometheus:latest	"/bin/prometheus -c..."	21 hours ago	Up 21 hours	0.0.0.0:9090->9090/tcp, :::9090->9090/tcp
b9d72eaaaba0	prom/node-exporter	"/bin/node_exporter ..."	21 hours ago	Up 4 hours	0.0.0.0:9100->9100/tcp, :::9100->9100/tcp
91f9e1250272	prom/alertmanager:v0.21.0	"/bin/alertmanager -..."	21 hours ago	Up 21 hours	127.0.0.1:9093->9093/tcp

root@debianGrafana:/opt#

State	Name	Health	Summary						
<div>▼ <b>Firing</b> for 41s</div>	Disk Space Used Basic	ok							
<div><div>Go to dashboard</div><div>Go to panel</div><div>Silence</div><div>Show state history</div><div>View</div><div>Edit</div><div>Delete</div></div>									
Data source Prometheus									
Dashboard UID	rYdddIPWk								
Panel ID	152								
Description	<div>Место на жестком диске более чем 21 %</div>								
Matching Instances	<div>Search by label ⓘ <input type="text" value="Search"/></div> <div>State <div>Normal Alerting Pending NoData Error</div></div> <table><thead><tr><th>State</th><th>Labels</th><th>Created</th></tr></thead><tbody><tr><td><div>▶ <b>Alerting</b></div></td><td><div>alertname=Disk Space Used Basic</div></td><td>2022-07-14 14:35:03</td></tr></tbody></table>			State	Labels	Created	<div>▶ <b>Alerting</b></div>	<div>alertname=Disk Space Used Basic</div>	2022-07-14 14:35:03
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<div>▶ <b>Alerting</b></div>	<div>alertname=Disk Space Used Basic</div>	2022-07-14 14:35:03							

Mimir / Cortex / Loki

&gt; /etc/prometheus/alert.rules &gt; test

3 rules



bk

бот



13 июля

/start 17:40 ✓

14 июля

**\*\*Firing\*\***

Value: [ var='B0' metric='/' labels={device=/dev/sda1, fstype=ext4,  
instance=node-exporter:9100, job=node, mountpoint=/}  
value=22.1547814026477 ]

Labels:

- alertname = Disk Space Used Basic

Annotations:

- description = Место на жестком диске более чем 21 %

Source: <http://localhost:3000/alerting/grafana/s49BXgR4k/view>

Silence: <http://localhost:3000/alerting/silence/new?>

alertmanager=grafana&matcher=alertname%3DDisk+Space+Used  
+Basic

Dashboard: <http://localhost:3000/d/rYdddIPWk>

Panel: <http://localhost:3000/d/rYdddIPWk?viewPanel=152>

14:35