

# v1.28\_ Prometheus Grafana

- 
- 
- Node\_Exporter
  - Node\_Exporter
  - Node-Exporter
- Prometheus Grafana
- 

SoftWLC Prometheus. Grafana.

eltex-apb	http://<IP- >:8090/apb/api/metrics
eltex-bruce	http://<IP- >:8008/actuator/prometheus
eltex-jobs	http://<IP- >:9696/actuator/prometheus
eltex-ems	http://<IP- >:9091/metrics
eltex-mercury	http://<IP- >:6564/mercury/prometheus
eltex-ngw	http://<IP- >:8040/actuator/prometheus
eltex-pcrf	http://<IP- >:7070/metrics/prometheus
eltex-radius	http://<IP- >:9812/metrics
eltex-radius-nbi	http://<IP- >:9010/
eltex-papaya	http://<IP- >:9098/actuator/prometheus
eltex-portal	http://<IP- >:9000/eltex_portal/api/metrics
eltex-portal-constructor	http://<IP- >:9001/epadmin/actuator/prometheus
eltex-wifi-cab	http://<IP- >:8085/actuator/prometheus
node_exporter	http://<IP- >:9991/metrics

, SoftWLC node\_exporter.

, 4Gb RAM, 1 CPU, 100Gb HDD.

docker, docker-compose.

## Node\_Exporter

Node-Exporter .

, SoftWLC .

## Node\_Exporter

, , 9991.

:

```
sudo mkdir /opt/node_exporter/
```

docker-compose.yml:

```
version: '3.4'

services:
  node-exporter:
    container_name: node_exporter
    image: prom/node-exporter:v1.3.1
    ports:
      - "9991:9100"
    volumes:
      - /proc:/host/proc:ro
      - /sys:/host/sys:ro
      - /:/rootfs:ro
    command:
      - '--path.procfs=/host/proc'
      - '--path.rootfs=/rootfs'
      - '--path.sysfs=/host/sys'
      - '--collector.filesystem.mount-points-exclude=^/(sys|proc|dev|host|etc)($$|/)'
    restart: unless-stopped
```

:

```
sudo docker-compose up -d
```

## Node-Exporter

[node\\_exporter-1.6.1.linux-amd64.tar.gz](http://node_exporter-1.6.1.linux-amd64.tar.gz)

```
wget http://archive.eltex-co.ru/wireless/help/softwlc-latest/node_exporter-1.6.1.linux-amd64.tar.gz
```

:

```
sudo mkdir /opt/node_exporter/
```

:

```
sudo tar xvzf node_exporter-1.3.1.linux-amd64.tar.gz -C /opt/node_exporter/
```

:

```
sudo ln -s /opt/node_exporter/node_exporter-1.3.1.linux-amd64 /opt/node_exporter/run
```

:

```
sudo useradd -rs /bin/false node_exporter
```

:

```
sudo vim /etc/systemd/system/node_exporter.service
```

/etc/systemd/system/node\_exporter.service

```
[Unit]
Description=Node Exporter
After=network-online.target

[Service]
EnvironmentFile=/etc/sysconfig/node_exporter
WorkingDirectory=/opt/node_exporter/run
ExecStart=/opt/node_exporter/run/node_exporter --web.listen-address=:9991
Restart=on-abort
RestartSec=60
User=node_exporter
Group=node_exporter
Type=simple

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

systemd:

```
sudo systemctl daemon-reload
```

:

```
sudo systemctl start node_exporter
```

:

```
sudo systemctl enable node_exporter
```

:

```
sudo systemctl status node_exporter
node_exporter.service - Node Exporter
   Loaded: loaded (/etc/systemd/system/node_exporter.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2022-04-06 13:42:32 +07; 1min 25s ago
 Main PID: 28664 (node_exporter)
    Tasks: 4 (limit: 4915)
   CGroup: /system.slice/node_exporter.service
           28664 /opt/node_exporter/run/node_exporter --web.listen-address=:9991
```

## Prometheus Grafana

. docker docker-compose.

: [softwlc-monitoring.zip](#)

,

```
wget http://archive.eltex-co.ru/wireless/help/softwlc-latest/softwlc-monitoring.zip
```

, :

```
sudo tar xvzf softwlc-monitoring.tar.gz -C /opt
```

, "root":

```
chown -v root:root /opt/softwlc-monitoring/
chhow -Rv root:root /opt/softwlc-monitoring/
```

:

```
chmod -Rv 664 /opt/softwlc-monitoring/

chmod -v 755 /opt/softwlc-monitoring/
chmod -v 755 /opt/softwlc-monitoring/prometheus/
chmod -v 755 /opt/softwlc-monitoring/grafana/
chmod -v 755 /opt/softwlc-monitoring/grafana/provisioning/datasources/
chmod -v 755 /opt/softwlc-monitoring/grafana/provisioning/dashboards/
```

"/opt/softwlc-monitoring/prometheus/prometheus.yml", :

**prometheus.yml**

```
scrape_configs:
- job_name: 'EMS'
  metrics_path: '/'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:9091']
- job_name: 'APB'
  metrics_path: '/apb/api/metrics'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:8090']
- job_name: 'Mercury'
  metrics_path: '/mercury/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:6564']
- job_name: 'Portal'
  metrics_path: '/eltex_portal/api/metrics'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:9000']
- job_name: 'NBI'
  metrics_path: '/'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:9010']
- job_name: 'System'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:9991']
- job_name: 'NGW'
  metrics_path: '/actuator/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: ['softwlc.eltex.loc:8040']
- job_name: 'PCRF'
  metrics_path: '/metrics/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:7070' ]
- job_name: 'Papaya'
  metrics_path: '/actuator/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:9098' ]
- job_name: 'RADIUS'
  metrics_path: '/metrics'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:9812' ]
- job_name: 'bruce'
  metrics_path: '/actuator/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:8008' ]
- job_name: 'WiFi-Cab'
  metrics_path: '/actuator/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:8085' ]
- job_name: 'Portal Constructor'
  metrics_path: '/epadmin/actuator/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:9001' ]
- job_name: 'jobs'
  metrics_path: '/actuator/prometheus'
  scrape_interval: 5s
  static_configs:
    - targets: [ 'softwlc.eltex.loc:9696' ]
```

Node-Exporter, :

#### prometheus.yml ()

```
#Node-SoftWLC
- job_name: 'Node-SoftWLC'
  scrape_interval: 5s
  static_configs:
    - targets: ['<IP- >:9991']
```



, prometheus.yml, TCP , !

:

```
sudo docker-compose up -d
```

:

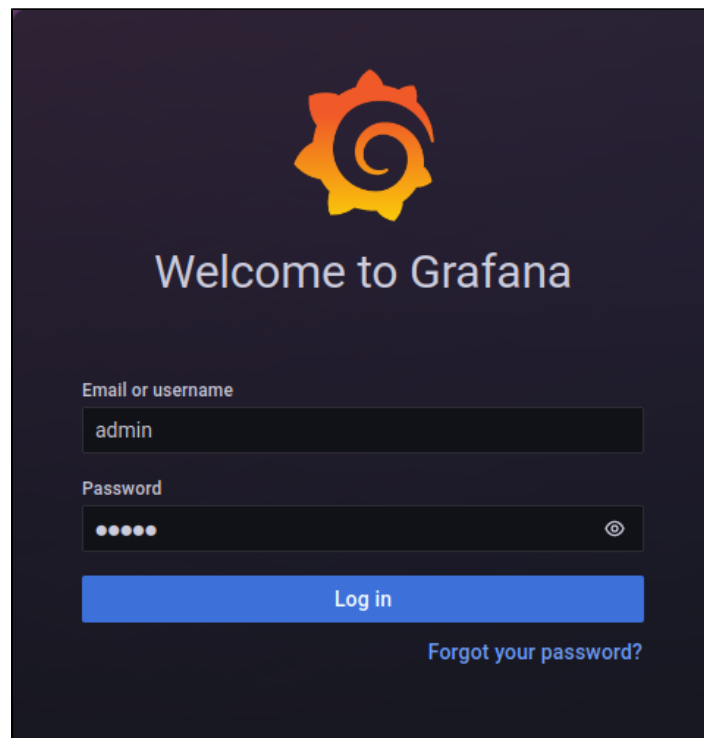
Prometheus:

```
http://<IP- >:9990
```

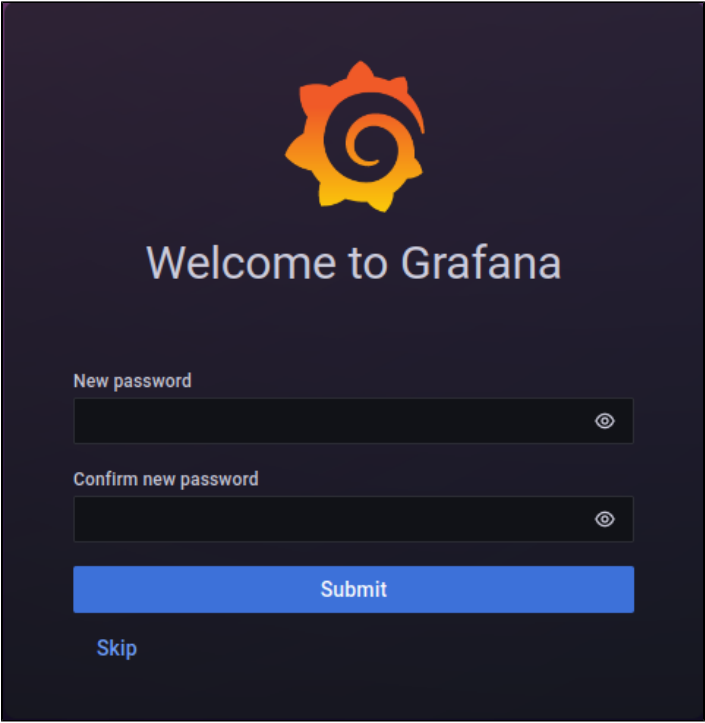
Grafana:

```
http://<IP- >:3000
```

Grafana / ( admin / admin):



:

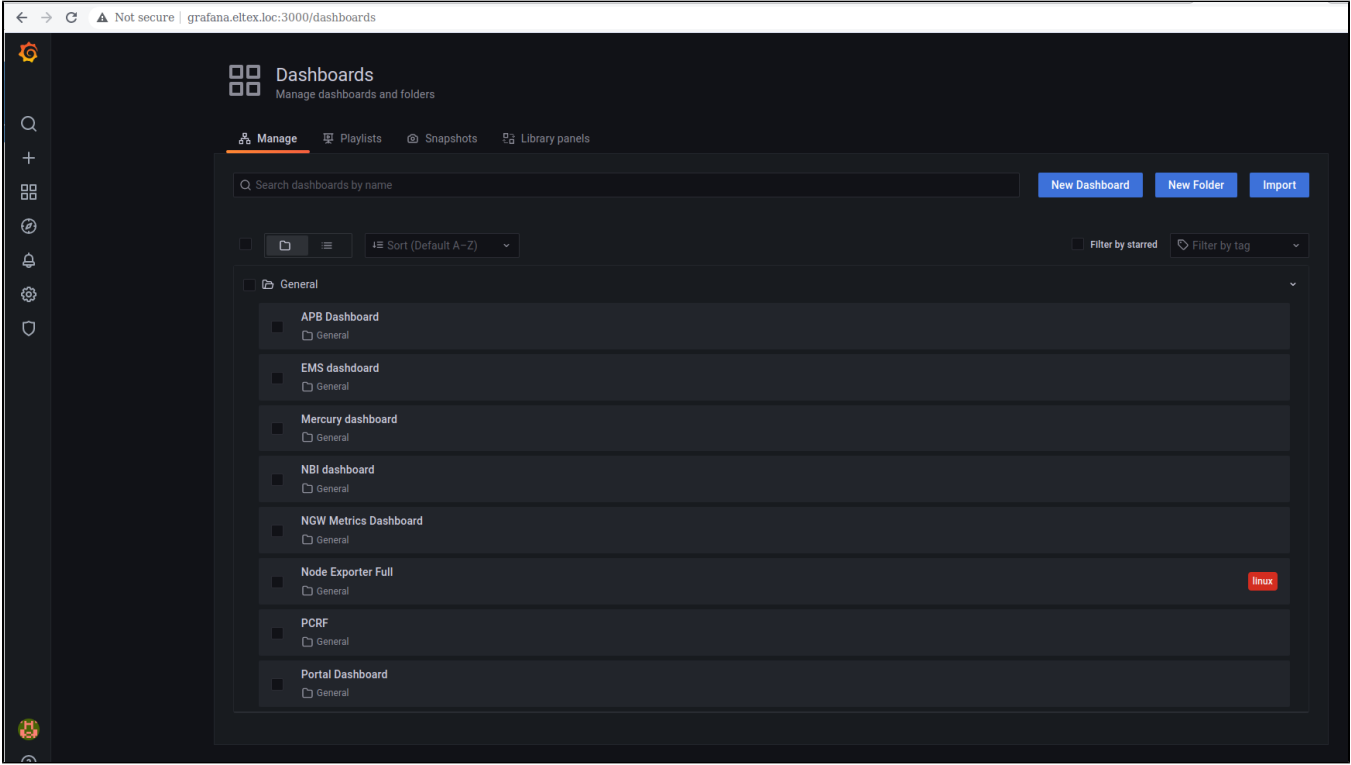


"Skip", , .  
Grafana.



"Manage".

:





"New user". : "Name", "Username", "Password" "Create user". .

Prometheus: <https://prometheus.io/>

Grafana: <https://grafana.com/>