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# Installing InfluxDB 1.x

## Install InfluxDB

### 1. Influxdb.repo

```
cat <<EOF | sudo tee /etc/yum.repos.d/influxdb.repo
[influxdb]
name = InfluxDB Repository - RHEL \${releasever}
baseurl = https://repos.influxdata.com/rhel/\${releasever}/\${basearch}/stable
enabled = 1
gpgcheck = 1
gpgkey = https://repos.influxdata.com/influxdb.key
EOF
```

### 2. Configure influxdb

```
vi /etc/influxdb/influxdb.conf
# uncomment the following linesUnder graphite section, uncomment following lines

enabled = true
bind-address = ":2003"
database = "graphite"
retention-policy = ""
protocol = "tcp"
batch-size = 5000
batch-pending = 10
batch-timeout = "1s"
consistency-level = "one"
separator = "."
udp-read-buffer = 0
```

### 3. Install & start

```
sudo yum install influxdb
sudo systemctl start influxdb
To Check status of influxDB : sudo systemctl status influxdb
```

Verify InfluxDB

#### 1. Edit graphana.conf

```
[grafana]
name=grafana
baseurl=https://packagecloud.io/grafana/stable/el/7/$basearch
repo_gpgcheck=1
enabled=1
gpgcheck=1
gpgkey=https://packagecloud.io/gpg.key
https://grafanarel.s3.amazonaws.com/RPM-GPG-KEY-grafana
sslverify=1
sslcert=/etc/pki/tls

/certs/ca-bundle.crt
```

#### 2. Create repo file for yum update

```
[grafana]
name=grafana
baseurl=https://packages.grafana.com/oss/rpm-beta
repo_gpgcheck=1
enabled=1
gpgcheck=1
gpgkey=https://packages.grafana.com/gpg.key
sslverify=1
sslcert=/etc/pki/tls/certs/ca-bundle.crt
```

## 2. Install grafana

```
sudo yum install grafana
service grafana-server start
systemctl daemon-reload grafana-server
systemctl start grafana-server
systemctl status grafana-server
sudo systemctl enable grafana-server.service
```

## 3. Configure grafana

```
vi /etc/grafana/grafana.ini

[server]
domain = oc-grafana.trimbletts.com
```

CollectD

Install

```
yum -y install epel-release
```

```
yum -y install collectd
```

For Grafana upgrade

1. sudo yum update grafana
2. sudo service grafana-server restart
3. grafana-cli --version  
Grafana cli version 6.0.0

## Email configuration

1. Edit the config file

```
cd /etc/grafana
vi grafana.ini
```

2. Edit config file

```
##### SMTP / Emailing
#####
[smtp]
enabled = <smtp-status>
host = <smtp-host>:<port>
user = <username>
# If the password contains # or ; you have to wrap it with trippel quotes. Ex """"#password;""""
password = <password>
;cert_file =
;key_file =
;skip_verify = false
from_address = <from-address>
;from_name = Grafana
# EHLO identity in SMTP dialog (defaults to instance_name)
;ehlo_identity = dashboard.example.com

[emails]
```

```
;welcome_email_on_sign_up = false
```

### 3. Restart grafana service

```
sudo service grafana-server restart
```

### 4. Check for logs

```
cd /var/log/grafana/  
tail -100f grafana.log
```

### 5. Create a notification channel



# Alerting

Alert rules & notifications

Alert Rules

Notification channels

## Edit Notification Channel

Name	TOR-EU-Uptime
Type	Email
Default (send on all alerts)	<input checked="" type="checkbox"/>
Include Image	<input checked="" type="checkbox"/>
Disable Resolve Message	<input type="checkbox"/>
Send reminders	<input type="checkbox"/>

## Email addresses

tts-dse-ug@trimble.com

You can enter multiple email addresses using a ";" separator

Save

Send Test

Back

5. Create a rule

Verified date : 18-08-2023

Docker based setup :

1. Influx db 2.x is Open source
  - a. Image name - `influxdb:2.0.9`
  - b. Expose port `8086, 2003`
  - c. Add graphite env - `INFLUXDB_GRAPHITE_ENABLED - true`
2. Grafana open source
  - a. Image name - `grafana/grafana-oss`
  - b. Expose port `3000, 2003`
  - c. Initial username/password is "`admin`"

#### References

1. <https://docs.influxdata.com/influxdb/v1.5/introduction/installation/>
2. <http://docs.grafana.org/installation/rpm/>
3. [https://docs.influxdata.com/influxdb/v1.8/administration/authentication\\_and\\_authorization/#admin-users](https://docs.influxdata.com/influxdb/v1.8/administration/authentication_and_authorization/#admin-users)
- 4.