



# Motto Communications

## Opensips Summit

### Graphing opensips stats with InfluxDB and Grafana

# whoami



- ✓ Rik Broers
- ✓ Voice engineer
- ✓ 130+ opensips's in production
- ✓ First time speaking on a summit



## dpkg --list

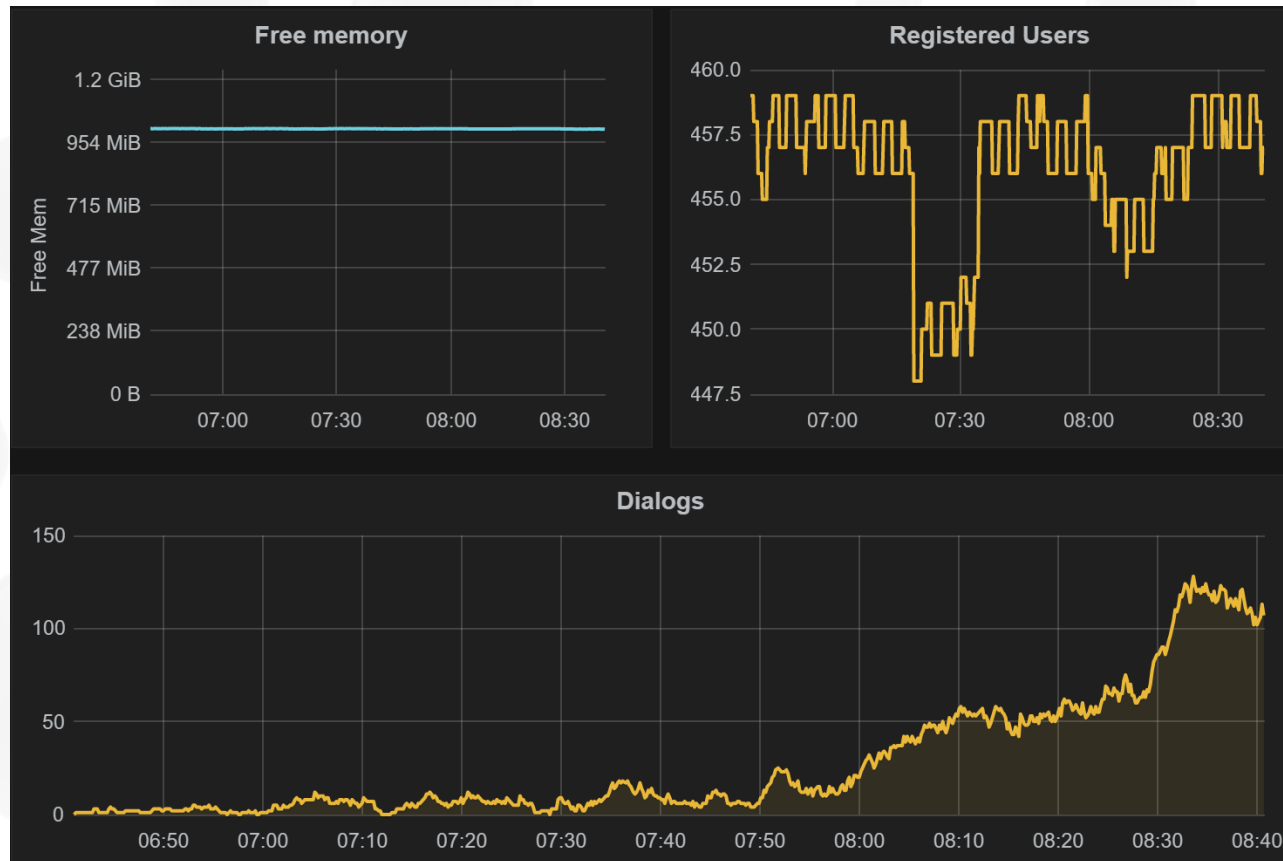
- ✓ Live demo of setting up InfluxDB and Grafana
- ✓ How to get opensips stats into InfluxDB
- ✓ How to create a dashboard
- ✓ Show the stats in action with some load.

# Problem to solve

- ✓ Opensipsctl fifo get\_statistics all
- ✓ Loads of info
- ✓ Unreadable
- ✓ Changes every time command is done again
- ✓ Find a way to present this information in a way which is more understandable
- ✓ InfluxDB, Timeseries Database
- ✓ Grafana, Quick to create graphs

```
root@SRV-DEV-HPROXY-4:/etc/opensips# opensipsctl fifo get_statistics all
shmem:total_size:: 33554432
shmem:used_size:: 2871936
shmem:real_used_size:: 2931600
shmem:max_used_size:: 2946544
shmem:free_size:: 30622832
shmem:fragments:: 18
core:rcv_requests:: 730969
core:rcv_replies:: 0
core:fwd_requests:: 0
core:fwd_replies:: 0
core:drop_requests:: 0
core:drop_replies:: 0
core:err_requests:: 0
core:err_replies:: 0
core:bad_URIs_rcvd:: 0
core:unsupported_methods:: 0
core:bad_msg_hdr:: 0
core:timestamp:: 2191672
net:waiting_udp:: 0
net:waiting_tcp:: 0
net:waiting_tls:: 0
tm:received_replies:: 0
tm:relayed_replies:: 0
tm:local_replies:: 438332
tm:UAS_transactions:: 0
tm:UAC_transactions:: 438334
tm:2xx_transactions:: 0
tm:3xx_transactions:: 0
tm:4xx_transactions:: 438332
tm:5xx_transactions:: 0
tm:6xx_transactions:: 0
tm:inuse_transactions:: 2
sl:1xx_replies:: 0
sl:2xx_replies:: 730969
sl:3xx_replies:: 0
sl:4xx_replies:: 0
sl:5xx_replies:: 0
sl:6xx_replies:: 0
sl:sent_replies:: 730969
sl:sent_err_replies:: 0
sl:received_ACKs:: 0
usrloc:registered_users:: 0
usrloc:location-users:: 0
usrloc:location-contacts:: 0
usrloc:location-expires:: 0
registrar:max_expires:: 0
registrar:max_contacts:: 0
registrar:default_expire:: 3600
registrar:accepted_regs:: 0
registrar:rejected_regs:: 0
uri:positive_checks:: 0
uri:negative_checks:: 0
dialog:active_dialogs:: 0
dialog:early_dialogs:: 0
dialog:processed_dialogs:: 0
dialog:expired_dialogs:: 0
```

# Sneak preview



The background is a solid light green color. Overlaid on this background is a faint, abstract network of circles and lines. The circles vary in size and are connected by thin, light green lines, creating a complex, interconnected pattern that resembles a molecular structure or a network diagram. The overall aesthetic is clean and modern.

**Live demo**

# history

- ✓ Easy to set up
- ✓ Pushing data
  - ✓ rate\_limiter
  - ✓ statistics
- ✓ Created basic dashboards
- ✓ Good looking statistics

wget



<https://github.com/hydrosine/OpensipsStats-2-InfluxDB>

<https://influxdata.com/downloads/#influxdb>

<http://grafana.org/download/>







**Questions?**