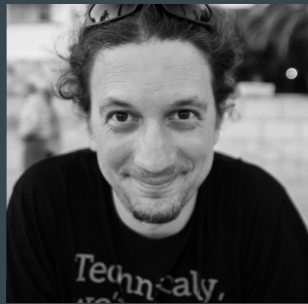


# Introducing ProxyWeb the Open Source ProxySQL Web UI

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<https://proxyweb.org>

# About me - Miklos “Mukka” Szal



- from Hungary
- Started using Linux in 1997 and MySQL in 2000, used to be a backend developer
- Worked at ISP, Walt Disney(Cricinfo, Intl sites), PalominoDB/Pythian(Sendgrid, Fitbit, Zendesk, Adobe)
- Working for Edmodo since late 2015 as Senior MySQL Architect

# ProxySQL

- A high performance sql proxy that supports:
  - Intelligent load balancing
  - Query routing/caching, read/write split
  - Connection pooling
  - Real time stats
  - Runtime configuration
  - Clustering

# ProxyWeb - Basic idea

- ProxySQL uses a sqlite3 db to store its data
- It can be queried through the standard MySQL client protocol
- We have a backend, we only need a frontend!!!
- The first version was created in 2018 in Python/Bootstrap3
- ProxyWeb helped us dealing with 25x DB traffic growth during last march
- It was Open Sourced under GPLv3 in 2021
- It also comes with a really nice test environment

# Features

- Clean and responsive design
- Multi-server support
- Customizable reporting page
- Global and per-server options
  - Hide tables
  - Read-only

## Features - Contd.

- ProxySQL version independent
- Sort content by any column (asc/desc)
- Online config editor
- Narrow-down content search
- Content pagination



- global\_variables
- mysql\_query\_rules
- mysql\_replication\_hostgroups
- mysql\_servers
- mysql\_users
- proxysql\_servers
- runtime\_checksums\_values
- runtime\_global\_variables
- runtime\_mysql\_query\_rules
- runtime\_mysql\_replication\_hostgroups
- runtime\_mysql\_servers
- runtime\_mysql\_users
- runtime\_proxysql\_servers
- runtime\_scheduler

SUBMIT

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variable_name	variable_value
admin-admin_credentials	admin:admin;arthur:zaphod
admin-checksum_admin_variables	true
admin-checksum_mysql_query_rules	true
admin-checksum_mysql_servers	true
admin-checksum_mysql_users	true

# Installation - Docker

- Single Line installation next to a ProxySQL instance:

```
docker run --network="host" -d proxyweb/proxyweb:latest
```

- Remote access

```
set admin-admin_credentials="admin:adminadmin:radmin:radmin";  
load admin variables to runtime; save admin variables to disk;
```

```
docker run -h proxyweb --name proxyweb -p 5000:5000 -d  
proxyweb/proxyweb:latest
```



# Installation - systemd (Ubuntu)

```
git clone https://github.com/edmodo/proxyweb
```

```
cd proxyweb
```

```
make install
```

Visit [http://ip\\_of\\_the\\_host:5000/setting/edit](http://ip_of_the_host:5000/setting/edit) first and edit the servers section.

Demo - I

# Showtime

Snippets: <https://bit.ly/3dWc1Um>

# The ProxyWeb Test Env

```
git clone https://github.com/edmodo/proxyweb.git
```

```
cd proxyweb
```

```
make compose-up
```

# The ProxyWeb Test Env - Contd.

Service	Host Port	Container	Container port
MySQL source	23306	db1	3306
MySQL replica	23307	db2	3306
MySQL replica	23308	db3	3306
MySQL replica	23309	db4	3306
ProxySQL	admin: 16032, app: 13306	proxysql_donor	admin: 6032, app: 3306
ProxySQL	admin: 16033, app: 13307	proxysql_satellite	admin: 6032, app: 3306
ProxySQL	admin: 16034, app: 13308	proxysql_standalone	admin: 6032, app: 3306
Orchestrator	3000	orchestrator	3000
Goss	8000	goss	8000
ProxyWeb	5000	proxyweb	5000

## Demo - II

# Showtime

<https://github.com/edmodo/proxyweb#testing-with-docker-compose>

Snippets: <https://bit.ly/3dWc1Um>

# Thanks!

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