

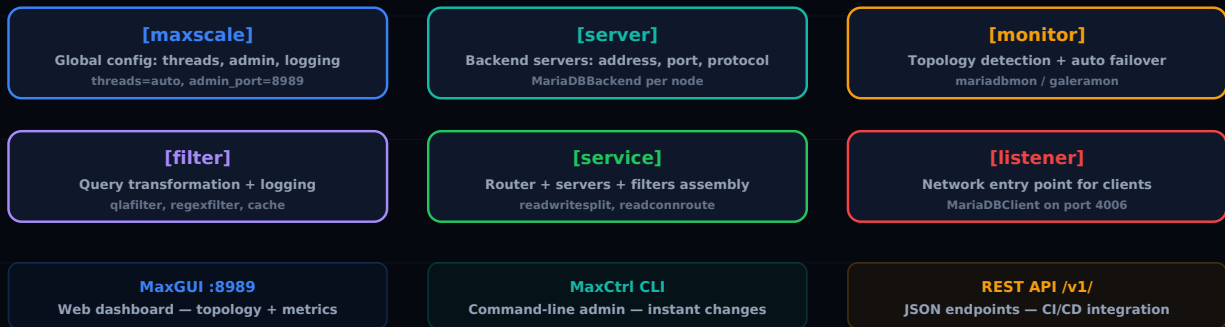
MaxScale SQL

Sylvain ARBAUDIE · 2025-09-11

[MAXSCALE](#) [MARIADB](#) [PROXY](#) [CONFIGURATION](#)

MAXSCALE CONFIGURATION — 6 SECTION TYPES

maxscale.cnf — INI format with MaxGUI + MaxCtrl + REST API






MaxScale — enterprise SQL proxy configuration in 6 sections



 MaxScale  MaxScale



MaxScale  MariaDB  Debian/Ubuntu 

```
curl -Ls https://r.mariadb.com/downloads/mariadb_repo_setup \
| sudo bash -s -- --mariadb-maxscale-version=24.02

sudo apt-get install maxscale
```

 maxscale.cnf  INI 



maxscale.cnf 

[maxscale]  — 

```
[maxscale]
threads      = auto
log_info     = false
admin_host   = 0.0.0.0
admin_port   = 8989
admin_secure_gui = true
```

- **threads=auto** MaxScale CPU
- **admin_host/admin_port** MaxGUI Web REST API
- **admin_secure_gui** HTTPS

[server] —

MariaDB / MySQL

```
[db-master]
type      = server
address   = 10.0.1.10
port      = 3306
protocol  = MariaDBBackend

[db-slave1]
type      = server
address   = 10.0.1.11
port      = 3306
protocol  = MariaDBBackend

[db-slave2]
type      = server
address   = 10.0.1.12
port      = 3306
protocol  = MariaDBBackend
```

[server] db-master db-slave1 db-slave2

[monitor] —

```
[replication-monitor]
type      = monitor
```

```

module      = mariadbmon
servers     = db-master, db-slave1, db-slave2
user        = maxscale_monitor
password    = encrypted_password_here
monitor_interval = 2000
auto_failover = true
auto_rejoin = true

```

- **mariadbmon** MariaDB / MySQL
- **auto_failover** MaxScale
- **auto_rejoin**

Galera Cluster mariadbmon

[filter] —

SQL

```

[query-log]
type = filter
module = qlafilter
filebase = /var/log/maxscale/queries
flush = true

[regex-rewrite]
type = filter
module = regexfilter
match = SELECT.*FROM\s+legacy_table
replace = SELECT * FROM new_table

```

qlafilter regexfilter

[service] —

```

[rw-service]
type = service
router = readwritesplit
servers = db-master, db-slave1, db-slave2
user = maxscale_service

```

```
password = encrypted_password_here
filters = query-log | regex-rewrite

max_slave_connections = 100%
max_slave_replication_lag = 5s
```

- readwritesplit
- max_slave_replication_lag 5
- filters

[listener] —

```
[rw-listener]
type = listener
service = rw-service
protocol = MariaDBClient
port = 4006
address = 0.0.0.0
```

4006 MaxScale MariaDB / MySQL MaxScale

MaxGUI Web

MaxScale 2.5 MaxGUI Web <https://maxscale-host:8989>

-
-
-
-

MaxGUI maxscale.cnf REST API

MaxCtrl

MaxCtrl MaxScale CLI REST API

```

# 1
maxctrl list servers

# 2
maxctrl set server db-slave1 maintenance

# 3
maxctrl clear server db-slave1 maintenance

# 4
maxctrl list services

# 5
maxctrl show monitor replication-monitor

# 6
maxctrl create filter my-filter regexfilter \
  match="SELECT 1" replace="SELECT 2"

```

MaxCtrl [Getting started](#)

REST API [Getting started](#)

MaxScale [Getting started](#) REST API [Getting started](#) HTTP/JSON [Getting started](#)

```

# 1
curl -s -u admin:password https://maxscale:8989/v1/servers | jq

# 2
curl -X POST -u admin:password \
  https://maxscale:8989/v1/monitors/replication-monitor/failover

# 3
curl -s -u admin:password \
  https://maxscale:8989/v1/services/rw-service | jq '.data.attributes.statistics'

```

REST API [Getting started](#) MaxScale [Getting started](#) CI/CD [Getting started](#) Prometheus [Getting started](#) Grafana [Getting started](#) Ansible [Getting started](#) Terraform [Getting started](#)

[Getting started](#)


```
module = mariadbmon
servers = db-master, db-slave1, db-slave2
user = maxscale_monitor
password = <encrypted>
monitor_interval = 2000
auto_failover = true
auto_rejoin = true

[rw-service]
type = service
router = readwritesplit
servers = db-master, db-slave1, db-slave2
user = maxscale_service
password = <encrypted>
max_slave_replication_lag = 5s

[rw-listener]
type = listener
service = rw-service
protocol = MariaDBClient
port = 4006
```



MaxScale INI

MaxGUI MaxCtrl REST API SQL

[Medium](#)