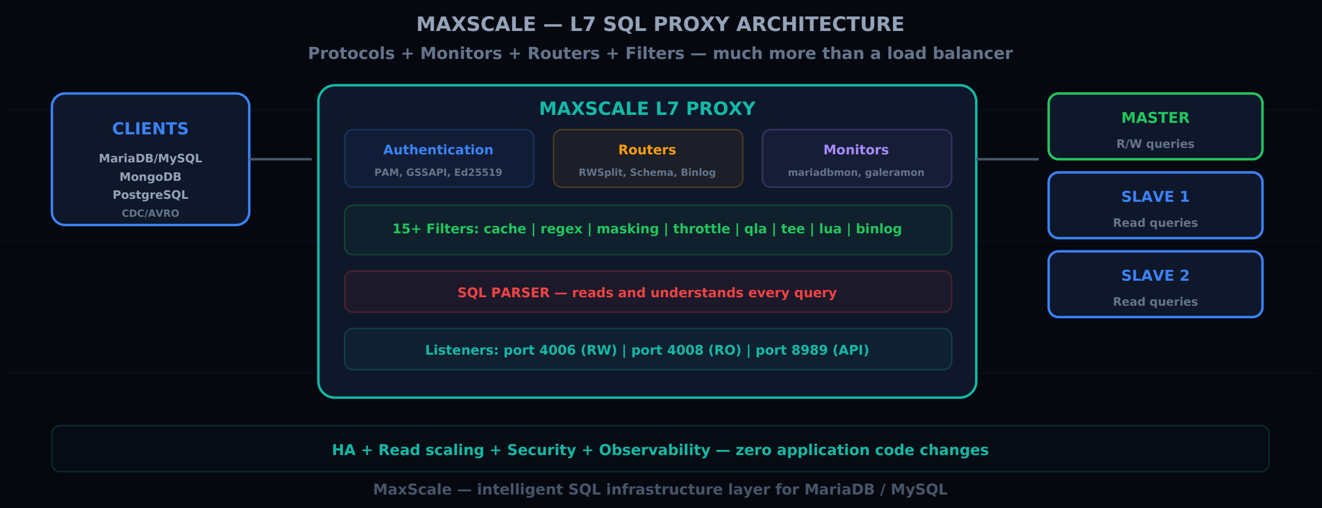
MaxScale[illegible] SQL [illegible]

Sylvain ARBAUDIE · 2025[illegible]7[illegible]31[illegible]

MAXSCALE MARIADB PROXY ARCHITECTURE



[illegible]

[illegible] MaxScale [illegible] HAProxy [illegible]**7**[illegible]SQL[illegible]MaxScale[illegible]4 [illegible]TCP[illegible]

[illegible]L4[illegible]L7[illegible]MaxScale [illegible] SQL[illegible]

[illegible]

MaxScale [illegible]

- **MariaDBAuth**[illegible] MariaDB / MySQL [illegible]
- **PAM**[illegible]PAM[illegible]LDAP[illegible]Active Directory[illegible]
- **GSSAPI/Kerberos**[illegible] Windows / Active Directory [illegible] SSO [illegible]
- **Ed25519**[illegible]MariaDB [illegible] SHA [illegible]

[illegible]PAM [illegible]Ed25519 [illegible]MariaDBAuth [illegible]

[illegible] SQL

MaxScale [illegible]

MariaDBClient / MariaDBBackend

[illegible] MariaDB / MySQL [illegible] MaxScale[illegible]

CDC / AVRO

[illegible] AVRO [illegible] binlog [illegible]

NoSQL / MongoDB

MaxScale [illegible] MongoDB [illegible] MongoDB [illegible] MaxScale [illegible] MariaDB [illegible]

PostgreSQL[illegible]

[illegible] PostgreSQL [illegible] PostgreSQL [illegible] MariaDB [illegible]

[illegible]

[illegible] MaxScale [illegible]

mariadbmon

[illegible] MariaDB / MySQL [illegible]

galeramon

Galera [illegible]Primary[illegible]Non-Primary[illegible]Disconnected[illegible] UUID[illegible]

[illegible]

[illegible] MaxScale [illegible]

readwritesplit

[illegible] `INSERT` [illegible] `UPDATE` [illegible] `DELETE` [illegible] `CREATE` [illegible] `SELECT` [illegible]

readconnroute

[illegible]/[illegible]

schemarouter

[illegible] schema A [illegible] `client_europe` [illegible] `client_asia` [illegible] B [illegible]

binlogrouter

□ MaxScale □□□□□□□MaxScale □□□□□□□□□□□□□□□□□□□□□ MaxScale □□□□□□□□□□□□□□□□□□□□□□ binlog □□□

kafkarouter□CDC□

□ binlog □□□□□ Apache Kafka□□□□□□□□□□□ Kafka □□□□□□□□□□□□□□□□

□□□□□□ 15 □□□

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- **qlafilter**□□□□□□□□□□□□□□□
- **regexfilter**□□□□□□□□□□□□□□
- **cache**□□□□□□□□□□□□
- **throttlefilter**□□□□□□□□□□
- **masking**□□□□□□□□□□□□□□□□□
- **topfilter**□□□□□□□
- **commentfilter**□□□ SQL □□□□□□
- **tee**□□□□□□□□□□□□□□□□□□
- **namedserverfilter**□□□□□□□□□□□□□□
- **hintfilter**□□□ SQL □□□□□□□□
- **luafilter**□□□ Lua □□□□□□□□□
- **binlogfilter**□□ schema □□□□ binlog □□

□□□Docker □ Kubernetes □□

MaxScale □□□□ Docker □□□

```
docker run -d --name maxscale \
  -v /path/to/maxscale.cnf:/etc/maxscale.cnf \
  -p 4006:4006 -p 8989:8989 \
  mariadb/maxscale:latest
```

□□ Kubernetes□MaxScale □□□□□□□□□□□ StatefulSet □ Deployment□REST API □□□□□□□□□□□□□□□□

[illegible]

[illegible]MaxScale [illegible]

- [illegible]
- [illegible]
- [illegible]SQL [illegible]
- [illegible]REST API [illegible]
- [illegible]

MaxScale [illegible] MariaDB / MySQL [illegible]

[illegible]Medium[illegible]