


```

Aspirateur → SSH → MySQL
→ SHOW GLOBAL STATUS
→ SHOW SLAVE STATUS
→ performance_schema
→ INSERT INTO ts_value_general_int (...)
→ INSERT INTO ts_value_general_json (...)

```

Aspirateur []

Listener []

Listener [] PmaControl [] listener_main []

listener_main []

[]	[]
ts_file	[]
ts_max_date	[]
ts_date_by_server	[]

Listener [] ts_max_date [] ts_value_* [] Aspirateur [] — Listener []

```

Listener [ ]
1. [ ] ts_max_date [ ] max(timestamp)
2. [ ] → [ ]
   a. updateDatabase() - [ ]
   b. afterUpdateVariable() - [ ]
   c. Digest::integrate() - [ ] performance_schema [ ]
   d. Alias::updateAlias() - [ ] DNS [ ]

```

updateDatabase() []

afterUpdateVariable() [] Seconds Behind Master [] 60 [] Warning []

Digest::integrate() [] performance_schema [] PmaControl [] digest []

Alias::updateAlias() [] alias_dns [] 110 [] 85 MB [] IP []

Dot3 []

Dot3 [] DOT [] Graphviz []

PmaControl 的 Glial 目录

```
./glial <controller> <action> [params]
```

目录

```
# 检查守护进程
./glial agent check_daemon

# 控制服务
./glial control service

# Schema 导出
./glial schema export 42

# Dot3 生成
./glial dot3 generate
```

CLI 目录 cron 目录

Cron 目录

目录 cron 目录 PmaControl 目录

1. `./glial agent check_daemon` — 目录

目录 cron 目录 — 目录 cron 目录

```
* * * * * cd /srv/www/pmacontrol && ./glial agent check_daemon >> /tmp/pmacontrol_agent.log 2>&1
```

目录 3 目录 Telegram 目录

2. `./glial control service` — 4 目录

目录 cron 目录

- 目录
- 目录
- 目录 Dot3 目录


```
WHERE is_deleted = 0 AND is_proxy = 0 AND is_vip = 0;
```

```
-- MaxScale ProxySQL HAProxy
SELECT id, ip, port, name, display_name
FROM mysql_server
WHERE is_deleted = 0 AND is_proxy = 1;

-- VIP
SELECT id, ip, port, name, display_name
FROM mysql_server
WHERE is_deleted = 0 AND is_vip = 1;
```

MySQL 与 MaxScale 连接配置

配置项

- `maxscale_server` / `maxscale_server_mysql_server` — MaxScale 配置
- `proxysql_server` — ProxySQL 配置
- `haproxy_main` / `haproxy_main_input` / `haproxy_main_output` / `link_haproxy_main_output_mysql_server` — HAProxy 配置
- `vip_server` — VIP 配置

ts_variable

配置项

```
SELECT id, name, source
FROM ts_variable
WHERE name LIKE 'Innodb%';
```

ts_value_general_int

配置项

```
SELECT server_id, variable_id, value, timestamp
FROM ts_value_general_int
WHERE server_id = 42
AND variable_id = 107 -- Threads_connected
AND timestamp > NOW() - INTERVAL 1 HOUR;
```

ALTER TABLE ... DROP PARTITION

100 MariaDB / MySQL

- **PmaControl** 1.5 GB `ts_value_*`
- **CPU** 2-4 Listener
- **RAM** 4 GB 8 GB PmaControl buffer pool
- **SSD** — I/O

`ts_value_*` **RocksDB** MyRocks

1. `agent check_daemon` —
2. **Listener** `listener_main` `ts_max_date` — Listener
3. **cron** `tmp/pmacontrol_*.log`
4. **SSH** `<port>` `<user>@<host>`
5. **PmaControl** PmaControl

PmaControl ETL

- **Extract** `pirateur`
- **Transform** `listener`
- **Load**

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