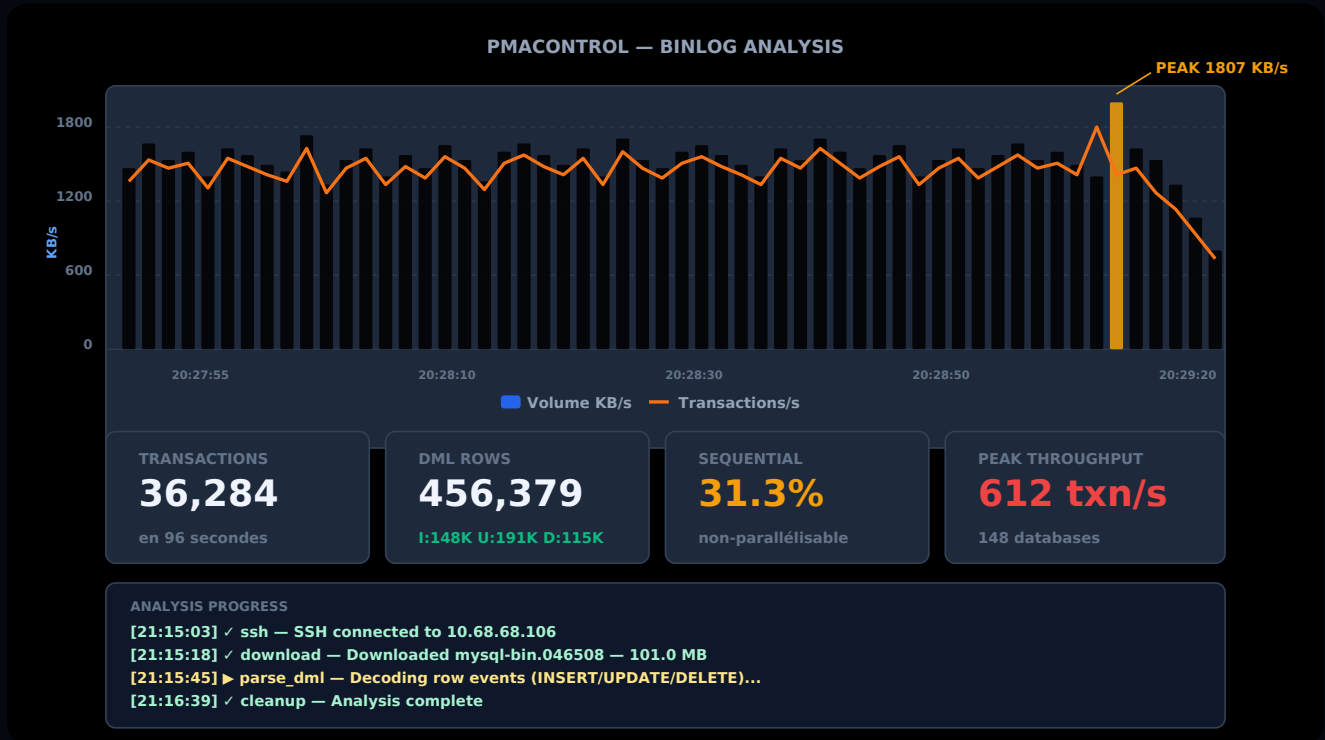


Binlog

Aurélien LEQUOY · 2026-04-13

- PMACONTROL
- BINLOG
- REPLICATION
- MYSQL
- MARIADB
- PERCONA-SERVER
- PERFORMANCE
- LAG
- MYSQLBINLOG



Progress bar

DBA 300

Seconds_Behind_Master MySQL 8s Seconds_Behind_Source DELETE 800KB Log SQL

grep

PmaControl

Binlog

Progress bar

slave/show

mysqlbinlog-8.4	MySQL 8.4 LTS
mysqlbinlog-9.7	MySQL 9.7 LTS
mysqlbinlog-mariadb	MariaDB 10.x 11.x 12.x

mysqlbinlog -d MySQL Binlog Binary Resolver MySQL Oracle MySQL MariaDB
 10.11 mysqlbinlog-mariadb-11.8 binlog

mysqlbinlog

mysqlbinlog

mysqlbinlog

- mysqlbinlog --section_length
- mysqlbinlog

DBA mysqlbinlog

MTS

mysqlbinlog --sequence_number

- mysqlbinlog --sequence_number = last_committed + 1
- mysqlbinlog
- mysqlbinlog 1 2 3 mysqlbinlog

31% replica_parallel_workers binlog_transaction_dependency_tracking = WRITESET

mysqlbinlog

834 KB 6,171 SQL

PmaControl

- 100 KB
- 500 KB
- mysqlbinlog

Top

```
INSERT/UPDATE FROM table WHERE... INSERT INTO table ... ON DUPLICATE KEY UPDATE
```

PmaControl

- "transaction_dependency_tracking = WRITESET"
- "3 > 500 KB SQL"
- "148"

binlog

Telegram

Telegram

Binlog

: replica-prod-01

: master-prod-01 (8.0.44)

: 2026-04-13 20:27:51 → 2026-04-13 20:29:27

: 101.0 MB | : 36,284 | : 96s

DML: I:148,659 U:191,867 D:115,853 = 456,379

: 612 txn/s | : 378.0 txn/s

: 31.3% | : 7

: 123 >100K, 3 >500K (815 KB)

: 148

- 612 txn/s replica_parallel_workers >= 8
- 31.3% WRITESET
- 3 > 500 KB SQL

DBA

Binlog IO

PmaControl SSH binlog MySQL IO PmaControl
— SSH

```
mysqlbinlog --read-from-remote-server \  
  --host=10.105.1.11 --port=3306 \  
  --user=pmacontrol --password=*** \  
  --raw --result-file=/tmp/analysis/ \  
mysql-bin.1054495
```

PmaControl MySQL binlog

Binlog

binlog 2,712

1. SHOW SLAVE STATUS Master_Log_File binlog MASTER STATUS 2,712

2. mysqlbinlog --stop-position=8192 FORMAT_DESCRIPTION + 100

2,712 binlog

+ AI JSON

binlog binlog_analysis/<ID>/30 TTL Cache hit: mysql-bin.046508 —

binlog PmaControl bin.046508.meta.json MTS Top DML ADDLTEXT/JSON

8

PmaControl mysqlbinlog mysqlbinlog —

MainDB binlog MySQL 8.0 binlog "Ignorable" 36,284 0

mysqlbinlog 5.6/5.7 Bug -raw -stop-datetime

--raw --read-from-remote-server mysqlbinlog 5.6 --start-datetime --stop-datetime

PmaControl --raw 120

Glial.php App/Webroot/index.php slave runBinlogAnalysisCli <id> progress JSON 15

