ProxySQL 2.7 → 3.0 PmaControl 4

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PMACONTROL · PROXYSQL · BENCHMARK · MARIADB · MYSQL · OBSERVABILITY

PmaControl BENCHMARK NOTES

ProxySQL 2.7 → 3.0

Same complete cache audit. Same two Admin queries.

ProxySQL 2.7.3
8.112 ms/audit

ProxySQL 3.0.5
2.015 ms/audit

−75.2% mean elapsed time **4.03× faster**

150 timed audits per version · Ubuntu 24.04.4 · 2 vCPU · 4 GiB · PHP 8.4.26

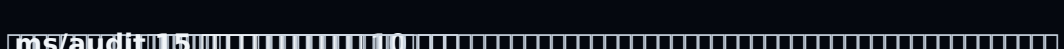
Client-observed Admin workload: SQL + loopback + fetch + PHP. Query-routing throughput is outside scope.

PmaControl **8.112** **2.015** **75.16%** **4.03**

Admin PmaControl ProxySQL

ProxySQL 2.7.3 ProxySQL 3.0.5

	ProxySQL 2.7.3	ProxySQL 3.0.5	
, ms/audit	8.112204	2.014760	75.16 %
, ms/audit	7.895812	2.053810	73.99 %
, ms/audit	11.914402	2.919234	75.50 %
PHP MiB	4	4	



ms/audit 15 10

4 MiB PHP PHP ProxySQL

“ms/audit”□□□

□`QueryCacheEffectiveness::run()` □□□□□□□□□□□□□□□□□□□□□□ SELECT□□□

[illegible] PHP [illegible] SQL [illegible] loopback [illegible] PmaControl [illegible] PHP [illegible] HTTP [illegible]

[illegible]

```
SELECT r.rule_id, r.cache_ttl, r.digest,
       r.match_digest, r.match_pattern,
       COALESCE(h.hits, 0) AS hits
FROM runtime_mysql_query_rules r
LEFT JOIN stats_mysql_query_rules h
       ON h.rule_id = r.rule_id
WHERE r.active = 1 AND r.cache_ttl > 0
ORDER BY r.rule_id;
```

```
SELECT Variable_Name AS name, Variable_Value AS value
FROM stats_mysql_global
WHERE Variable_Name IN (
    'Query_Cache_count_GET', 'Query_Cache_count_GET_OK',
    'Query_Cache_count_SET', 'Query_Cache_Memory_bytes',
    'Query_Cache_Entries', 'Query_Cache_Purged'
)
UNION ALL
SELECT variable_name, variable_value
FROM global_variables
WHERE variable_name = 'mysql-query_cache_size_MB';
```

`stats_mysql_query_rules.hits` [illegible] `mysql-query_cache_size_MB` [illegible] MAIN [illegible] runtime [illegible]

[illegible]

[illegible] **Ubuntu 24.04.4 LTS [illegible] 2 vCPU [illegible] 4 GiB RAM [illegible] PHP 8.4.26** [illegible] loopback [illegible] ProxySQL [illegible]

- 2.7 [illegible] `2.7.3-12-g50b7f85` [illegible]
- 3.0 [illegible] `3.0.5-60-g7e9e009` [illegible]

[illegible] **15** [illegible] 150 [illegible] 300 [illegible] 600 [illegible] SELECT[illegible] PHP [illegible] SQL [illegible]

[illegible] 15 [illegible] AB/BA[illegible] PmaControl [illegible] **ProxySQL** [illegible] 600 [illegible] ProxySQL 2.7.3 [illegible] 3.0.5

[illegible]

`rule_id=1` [illegible] 5,000 [illegible]

[illegible] ProxySQL [illegible] PmaControl [illegible]

[illegible]

[illegible] 3.0 [illegible]PHP [illegible]

[illegible] prepare/step/copy/finalize [illegible] SQL [illegible]

[illegible]ProxySQL [illegible]

[illegible]

[illegible] 30 [illegible]300 [illegible]Python [illegible]

[illegible]`100 × (1 − time_3.0 / time_2.7)`[illegible]`time_2.7 / time_3.0` [illegible]commit [illegible] PR [illegible]

```
curl -fsSLO https://pmacontrol.com/downloads/proxysql-2.7-vs-3.0/benchmark-data.json
curl -fsSLO https://pmacontrol.com/downloads/proxysql-2.7-vs-3.0/analyze.py
python3 analyze.py benchmark-data.json
```

```
PmaControl revision:
b4e7b4c6ca72cf27077ddbdb1f2c89af05800b5a
QueryCacheEffectiveness helper SHA-256:
c47a169935f665259554bd0fbaa85e90af9cbcd3983bf7ad3548e2caaf63d4dc
```

[illegible]

- [illegible] PNG [illegible]1600 × 2000
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- JSON [illegible]
- Python [illegible]
- [illegible] LinkedIn [illegible]
- [illegible]

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[illegible]PmaControl PR #6389 [illegible] issue #6390[illegible]Forgejo [illegible]