

80% SQL

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PERFORMANCE

MONITORING

BEST-PRACTICES

80% OF SQL INCIDENTS ARE AVOIDABLE

Top 3 root causes from 150+ incidents analysed in 2025

45%

Missing indexes

200ms dev → 45s prod
Full table scans on 10M+ rows

→ Marina+ detects & suggests

28%

Untested backups

72% had backups but
never tested a restore

→ Backup verification agent

12%

Silent replication lag

Seconds_Behind_Master
3 days behind, nobody noticed

→ Replication lag alerting

PmaControl — proactive observability catches these before they become incidents

Analysis based on 150+ MariaDB / MySQL incidents — 2025

4

2025 150 MariaDB 80% SQL

6

1. 5

200 1000 45

```
--  
SELECT * FROM orders WHERE customer_id = 12345;  
  
--  
ALTER TABLE orders ADD INDEX idx_customer_id (customer_id);
```

PmaControl Marina+

2. 6

72%

3. 数据库

数据库 `Seconds_Behind_Master` 与 `PmaControl` 数据库

数据库

数据库

数据库 `PmaControl` 数据库