

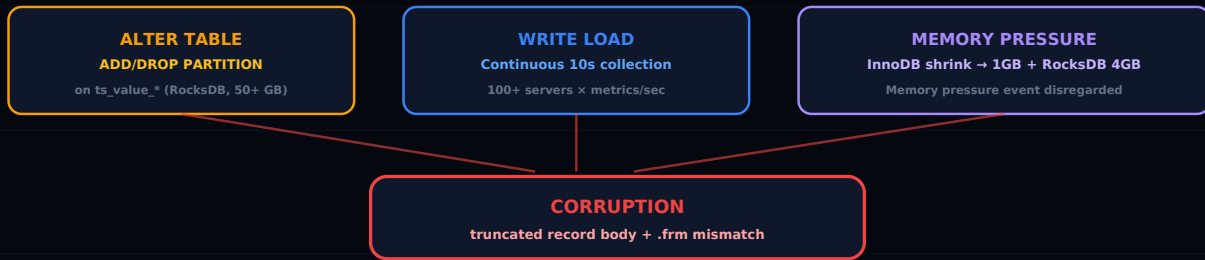
MyRocks ALTER TABLE

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MARIADB ROCKSDB CORRUPTION DDL INCIDENT-RESPONSE MDEV-39044

MDEV-39044 — MYROCKS CORRUPTION TRIGGER

ALTER TABLE + write load + memory pressure → .frm mismatch



journalctl: nothing — no OOM, no segfault PmaControl: uptime reset + error log → detected

MDEV-39044 — Absence of crash log is the expected behaviour

2026-03-06

2026-03-06 PmaControl MariaDB [OOM]

```
RocksDB: Error opening instance, Status Code: 2,  
  Status: Corruption: truncated record body  
Incorrect information in file: './pmacontrol/ts_value_general_int.frm'  
Can't init tc log  
Aborting
```

.frm mismatch

MDEV-39044

MDEV-39044

```
ALTER MyRocks Corruption: truncated record body .frm mismatch OOM killer
```

1. `ALTER TABLE PmaControl ts_value *`
2. `ALTER TABLE --`
3. `InnoDB` `InnoDB` `RocksDB`
4. OOM killer

`InnoDB crash recovery` `RocksDB flush`

`journalctl -dmesg -DBA " " "`

`RocksDB`

- `ts_value_general_int` `--`
- `ts_value_general_json` `--JSON`
- `ts_mysql_digest_stat` `--`
- `ts_value_general_text` `--`
- `ts_value_slave_int` `--`
- `ts_value_slave_text` `--`

`PmaControl ALTER TABLE ... ADD PARTITION ... DROP PARTITION worker 10`

`MariaDB`

InnoDB: Memory pressure event disregarded

MDEV-39044 `InnoDB` `RocksDB DDL`

PmaControl

1. `@@@variable.uptime` `@@@ 10` `@@@`
2. **Telegram** `@@@`
3. `@@@recovery` + `truncated record body` `@@`
4. `@@@CPU` `@@@` `@@@`

`@@`

`@@@`

1. `@@@ RocksDB TER DDL ... ADD/DROP PARTITION` `@@@`
2. `@@@ DDL` `@@@`
3. `@@ MDEV-39044` `@@@`

`@@@`

4. `@@@ InnoDB` `@@ RocksDB` `@@@`
5. `@@@ InnoDB` `@@@ DDL` `@@@`
6. `@@@ InnoDB` `@@@ OOM killer` `@@@`

`@@@`

- `@@@`
- `MySQL` `@@@`
- `@@@ RocksDB/DDL` `@@@`

`@@@ MariaDB` `@@@`

`@@`

MDEV-39044 `@@@ RocksDB` `@@ TokudB` `@@@ DDL` `@@@`

PmaControl `@@@uptime` `@@` + `@@@`