

- `Reopen tables`

The thread got a lock for the table, but noticed after getting the lock that the underlying table structure changed. It has freed the lock, closed the table, and is trying to reopen it.

- `Repair by sorting`

The repair code is using a sort to create indexes.

- `preparing for alter table`

The server is preparing to execute an in-place `ALTER TABLE`.

- `Repair done`

The thread has completed a multithreaded repair for a `MyISAM` table.

- `Repair with keycache`

The repair code is using creating keys one by one through the key cache. This is much slower than `Repair by sorting`.

- `Rolling back`

The thread is rolling back a transaction.

- `Saving state`

For `MyISAM` table operations such as repair or analysis, the thread is saving the new table state to the `.MYI` file header. State includes information such as number of rows, the `AUTO_INCREMENT` counter, and key distributions.

- `Searching rows for update`

The thread is doing a first phase to find all matching rows before updating them. This has to be done if the `UPDATE` is changing the index that is used to find the involved rows.

- `Sending data`

*Prior to MySQL 8.0.17:* The thread is reading and processing rows for a `SELECT` statement, and sending data to the client. Because operations occurring during this state tend to perform large amounts of disk access (reads), it is often the longest-running state over the lifetime of a given query. *MySQL 8.0.17 and later:* This state is no longer indicated separately, but rather is included in the `Executing` state.

- `Sending to client`

The server is writing a packet to the client.

- `setup`

The thread is beginning an `ALTER TABLE` operation.

- `Sorting for group`

The thread is doing a sort to satisfy a `GROUP BY`.

- `Sorting for order`

The thread is doing a sort to satisfy an `ORDER BY`.