

- `cleaning up`

The thread has processed one command and is preparing to free memory and reset certain state variables.

- `closing tables`

The thread is flushing the changed table data to disk and closing the used tables. This should be a fast operation. If not, verify that you do not have a full disk and that the disk is not in very heavy use.

- `converting HEAP to ondisk`

The thread is converting an internal temporary table from a `MEMORY` table to an on-disk table.

- `copy to tmp table`

The thread is processing an `ALTER TABLE` statement. This state occurs after the table with the new structure has been created but before rows are copied into it.

For a thread in this state, the Performance Schema can be used to obtain about the progress of the copy operation. See [Section 27.12.5, “Performance Schema Stage Event Tables”](#).

- `Copying to group table`

If a statement has different `ORDER BY` and `GROUP BY` criteria, the rows are sorted by group and copied to a temporary table.

- `Copying to tmp table`

The server is copying to a temporary table in memory.

- `Copying to tmp table on disk`

The server is copying to a temporary table on disk. The temporary result set has become too large (see [Section 8.4.4, “Internal Temporary Table Use in MySQL”](#)). Consequently, the thread is changing the temporary table from in-memory to disk-based format to save memory.

- `Creating index`

The thread is processing `ALTER TABLE ... ENABLE KEYS` for a `MyISAM` table.

- `Creating sort index`

The thread is processing a `SELECT` that is resolved using an internal temporary table.

- `creating table`

The thread is creating a table. This includes creation of temporary tables.

- `Creating tmp table`

The thread is creating a temporary table in memory or on disk. If the table is created in memory but later is converted to an on-disk table, the state during that operation is `Copying to tmp table on disk`.

- `committing alter table to storage engine`

The server has finished an in-place `ALTER TABLE` and is committing the result.

- `deleting from main table`