• login

The initial state for a connection thread until the client has been authenticated successfully.

manage keys

The server is enabling or disabling a table index.

• Opening system tables

The thread is trying to open a system table (for example, a time zone or log table).

Opening tables

The thread is trying to open a table. This is should be very fast procedure, unless something prevents opening. For example, an ALTER TABLE or a LOCK TABLE statement can prevent opening a table until the statement is finished. It is also worth checking that your table_open_cache value is large enough.

For system tables, the Opening system tables state is used instead.

• optimizing

The server is performing initial optimizations for a query.

• preparing

This state occurs during query optimization.

• Purging old relay logs

The thread is removing unneeded relay log files.

• query end

This state occurs after processing a query but before the freeing items state.

• Receiving from client

The server is reading a packet from the client.

• Removing duplicates

The query was using SELECT DISTINCT in such a way that MySQL could not optimize away the distinct operation at an early stage. Because of this, MySQL requires an extra stage to remove all duplicated rows before sending the result to the client.

removing tmp table

The thread is removing an internal temporary table after processing a SELECT statement. This state is not used if no temporary table was created.

• rename

The thread is renaming a table.

rename result table

The thread is processing an ALTER TABLE statement, has created the new table, and is renaming it to replace the original table.