

Note

Use of $|\cdot|$ is deprecated unless the PIPES_AS_CONCAT SQL mode is enabled. In that case, $|\cdot|$ signifies the SQL-standard string concatenation operator).

- The JSON MERGE () function is deprecated. Use JSON MERGE PRESERVE () instead.
- The SQL_CALC_FOUND_ROWS query modifier and accompanying FOUND_ROWS() function are deprecated. See the FOUND_ROWS() description for information about an alternative strategy.
- Support for TABLESPACE = innodb_file_per_table and TABLESPACE = innodb_temporary clauses with CREATE TEMPORARY TABLE is deprecated as of MySQL 8.0.13.
- For SELECT statements, use of an INTO clause after FROM but not at the end of the SELECT is deprecated as of MySQL 8.0.20. It is preferred to place the INTO at the end of the statement.

For UNION statements, these two variants containing INTO are deprecated as of MySQL 8.0.20:

- In the trailing guery block of a guery expression, use of INTO before FROM.
- In a parenthesized trailing block of a query expression, use of INTO, regardless of its position relative to FROM.

See Section 13.2.10.1, "SELECT ... INTO Statement", and Section 13.2.10.3, "UNION Clause".

 FLUSH HOSTS is deprecated as of MySQL 8.0.23. Instead, truncate the Performance Schema host cache table:

TRUNCATE TABLE performance schema.host cache;

The TRUNCATE TABLE operation requires the DROP privilege for the table.

- The mysql_upgrade client is deprecated because its capabilities for upgrading the system tables in the mysql system schema and objects in other schemas have been moved into the MySQL server. See Section 2.11.3, "What the MySQL Upgrade Process Upgrades".
- The --no-dd-upgrade server option is deprecated. It is superseded by the --upgrade option, which provides finer control over data dictionary and server upgrade behavior.
- The mysql_upgrade_info file, which is created data directory and used to store the MySQL version number, is deprecated; expect it to be removed in a future version of MySQL.
- The relay_log_info_file system variable and --master-info-file option are deprecated. Previously, these were used to specify the name of the relay log info log and source info log when relay_log_info_repository=FILE and master_info_repository=FILE were set, but those settings have been deprecated. The use of files for the relay log info log and source info log has been superseded by crash-safe replica tables, which are the default in MySQL 8.0.
- The max_length_for_sort_data system variable is now deprecated due to optimizer changes that make it obsolete and of no effect.
- These legacy parameters for compression of connections to the server are deprecated: The -compress client command-line option; the MYSQL_OPT_COMPRESS option for the mysql_options() C
 API function; the slave_compressed_protocol system variable. For information about parameters to
 use instead, see Section 4.2.8, "Connection Compression Control".
- Use of the MYSQL PWD environment variable to specify a MySQL password is deprecated.