

- Use of `VALUES ()` to access new row values in `INSERT ... ON DUPLICATE KEY UPDATE` is deprecated as of MySQL 8.0.20. Use aliases for the new row and columns, instead.
- Because specifying `ON ERROR` before `ON EMPTY` when invoking `JSON_TABLE()` is counter to the SQL standard, this syntax is now deprecated in MySQL. Beginning with MySQL 8.0.20, the server prints a warning whenever you attempt to do so. When specifying both of these clauses in a single `JSON_TABLE()` invocation, make sure that `ON EMPTY` is used first.
- Columns with index prefixes have never been supported as part of a table's partitioning key; previously, these were allowed when creating, altering, or upgrading partitioned tables but were excluded by the table's partitioning function, and no warning that this had occurred was issued by the server. This permissive behavior is now deprecated, and subject to removal in a future version of MySQL in which using any such columns in the partitioning key causes the `CREATE TABLE` or `ALTER TABLE` statement in they occur to be rejected.

As of MySQL 8.0.21, whenever columns using index prefixes are specified as part of the partitioning key, a warning is generated for each such column. Whenever a `CREATE TABLE` or `ALTER TABLE` statement is rejected because all columns in the proposed partitioning key would have index prefixes, the resulting error now provides the exact reason for the rejection. In either instance, this includes cases in which the columns used in the partitioning function are defined implicitly as those in the table's primary key by employing an empty `PARTITION BY KEY()` clause.

For more information and examples, see [Column index prefixes not supported for key partitioning](#).

- The InnoDB memcached plugin is deprecated as of MySQL 8.0.22; expect support for it to be removed in a future version of MySQL.

## Features Removed in MySQL 8.0

The following items are obsolete and have been removed in MySQL 8.0. Where alternatives are shown, applications should be updated to use them.

For MySQL 5.7 applications that use features removed in MySQL 8.0, statements may fail when replicated from a MySQL 5.7 source to a MySQL 8.0 replica, or may have different effects on source and replica. To avoid such problems, applications that use features removed in MySQL 8.0 should be revised to avoid them and use alternatives when possible.

- The `innodb_locks_unsafe_for_binlog` system variable was removed. The `READ COMMITTED` isolation level provides similar functionality.
- The `information_schema_stats` variable, introduced in MySQL 8.0.0, was removed and replaced by `information_schema_stats_expiry` in MySQL 8.0.3.

`information_schema_stats_expiry` defines an expiration setting for cached `INFORMATION_SCHEMA` table statistics. For more information, see [Section 8.2.3, “Optimizing INFORMATION\\_SCHEMA Queries”](#).

- Code related to obsoleted InnoDB system tables was removed in MySQL 8.0.3. `INFORMATION_SCHEMA` views based on InnoDB system tables were replaced by internal system views on data dictionary tables. Affected InnoDB `INFORMATION_SCHEMA` views were renamed:

**Table 1.1 Renamed InnoDB Information Schema Views**

Old Name	New Name
<code>INNODB_SYS_COLUMNS</code>	<code>INNODB_COLUMNS</code>
<code>INNODB_SYS_DATAFILES</code>	<code>INNODB_DATAFILES</code>