

- The query cache was removed. Removal includes these items:
 - The `FLUSH QUERY CACHE` and `RESET QUERY CACHE` statements.
 - These system variables: `query_cache_limit`, `query_cache_min_res_unit`, `query_cache_size`, `query_cache_type`, `query_cache_wlock_invalidate`.
 - These status variables: `Qcache_free_blocks`, `Qcache_free_memory`, `Qcache_hits`, `Qcache_inserts`, `Qcache_lowmem_prunes`, `Qcache_not_cached`, `Qcache_queries_in_cache`, `Qcache_total_blocks`.
 - These thread states: `checking privileges on cached query`, `checking query cache for query`, `invalidating query cache entries`, `sending cached result to client`, `storing result in query cache`, `Waiting for query cache lock`.
 - The `SQL_CACHE SELECT` modifier.

These deprecated query cache items remain deprecated, but have no effect; expect them to be removed in a future MySQL release:

- The `SQL_NO_CACHE SELECT` modifier.
- The `ndb_cache_check_time` system variable.

The `have_query_cache` system variable remains deprecated, and always has a value of `NO`; expect it to be removed in a future MySQL release.

- The data dictionary provides information about database objects, so the server no longer checks directory names in the data directory to find databases. Consequently, the `--ignore-db-dir` option and `ignore_db_dirs` system variables are extraneous and are removed.
- The DDL log, also known as the metadata log, has been removed. Beginning with MySQL 8.0.3, this functionality is handled by the data dictionary `innodb_ddl_log` table. See [Viewing DDL Logs](#).
- The `tx_isolation` and `tx_read_only` system variables have been removed. Use `transaction_isolation` and `transaction_read_only` instead.
- The `sync_frm` system variable has been removed because `.frm` files have become obsolete.
- The `secure_auth` system variable and `--secure-auth` client option have been removed. The `MYSQL_SECURE_AUTH` option for the `mysql_options()` C API function was removed.
- The `multi_range_count` system variable is removed.
- The `log_warnings` system variable and `--log-warnings` server option have been removed. Use the `log_error_verbosity` system variable instead.
- The global scope for the `sql_log_bin` system variable was removed. `sql_log_bin` has session scope only, and applications that rely on accessing `@@GLOBAL.sql_log_bin` should be adjusted.
- The `metadata_locks_cache_size` and `metadata_locks_hash_instances` system variables are removed.
- The unused `date_format`, `datetime_format`, `time_format`, and `max_tmp_tables` system variables are removed.
- These deprecated compatibility SQL modes are removed: `DB2`, `MAXDB`, `MSSQL`, `MYSQL323`, `MYSQL40`, `ORACLE`, `POSTGRESQL`, `NO_FIELD_OPTIONS`, `NO_KEY_OPTIONS`, `NO_TABLE_OPTIONS`. They can no