

4.8 (Solaris client library); Clang 3.6 (macOS), Clang 3.4 (FreeBSD). To disable this check, use `-DFORCE_UNSUPPORTED_COMPILER=ON`.

- `-DFPROFILE_GENERATE=bool`

Whether to generate profile guided optimization (PGO) data. This option is available for experimenting with PGO with GCC. See the `cmake/fprofile.cmake` file in a MySQL source distribution for information about using `FPROFILE_GENERATE` and `FPROFILE_USE`. These options have been tested with GCC 8 and 9.

This option was added in MySQL 8.0.19.

- `-DFPROFILE_USE=bool`

Whether to use profile guided optimization (PGO) data. This option is available for experimenting with PGO with GCC. See the `cmake/fprofile.cmake` file in a MySQL source distribution for information about using `FPROFILE_GENERATE` and `FPROFILE_USE`. These options have been tested with GCC 8 and 9.

Enabling `FPROFILE_USE` also enables `WITH_LTO`.

This option was added in MySQL 8.0.19.

- `-DHAVE_PSI_MEMORY_INTERFACE=bool`

Whether to enable the performance schema memory tracing module for memory allocation functions (`ut::aligned_name` library functions) used in dynamic storage of over-aligned types.

- `-DIGNORE_AIO_CHECK=bool`

If the `-DBUILD_CONFIG=mysql_release` option is given on Linux, the `libaio` library must be linked in by default. If you do not have `libaio` or do not want to install it, you can suppress the check for it by specifying `-DIGNORE_AIO_CHECK=1`.

- `-DMAX_INDEXES=num`

The maximum number of indexes per table. The default is 64. The maximum is 255. Values smaller than 64 are ignored and the default of 64 is used.

- `-DMYSQL_MAINTAINER_MODE=bool`

Whether to enable a MySQL maintainer-specific development environment. If enabled, this option causes compiler warnings to become errors.

- `-DMUTEX_TYPE=type`

The mutex type used by `InnoDB`. Options include:

- `event`: Use event mutexes. This is the default value and the original `InnoDB` mutex implementation.
- `sys`: Use POSIX mutexes on UNIX systems. Use `CRITICAL_SECTION` objects on Windows, if available.
- `futex`: Use Linux futexes instead of condition variables to schedule waiting threads.
- `-DMYSQLX_TCP_PORT=port_num`

The port number on which X Plugin listens for TCP/IP connections. The default is 33060.