

Variable Name	Variable Type	Variable Scope
Threads_connected	Integer	Global
Threads_created	Integer	Global
Threads_running	Integer	Global
Uptime	Integer	Global
Uptime_since_flush_status	Integer	Global
validate_password_dictionary_file	Datetime	Global
validate_password_dictionary_file	Integer count	Global
validate_password.dictionary_file	Datetime	Global
validate_password.dictionary_file	Integer count	Global

5.1.7 Server Command Options

When you start the `mysqld` server, you can specify program options using any of the methods described in [Section 4.2.2, “Specifying Program Options”](#). The most common methods are to provide options in an option file or on the command line. However, in most cases it is desirable to make sure that the server uses the same options each time it runs. The best way to ensure this is to list them in an option file. See [Section 4.2.2.2, “Using Option Files”](#). That section also describes option file format and syntax.

`mysqld` reads options from the `[mysqld]` and `[server]` groups. `mysqld_safe` reads options from the `[mysqld]`, `[server]`, `[mysqld_safe]`, and `[safe_mysqld]` groups. `mysql.server` reads options from the `[mysqld]` and `[mysql.server]` groups.

`mysqld` accepts many command options. For a brief summary, execute this command:

```
mysqld --help
```

To see the full list, use this command:

```
mysqld --verbose --help
```

Some of the items in the list are actually system variables that can be set at server startup. These can be displayed at runtime using the `SHOW VARIABLES` statement. Some items displayed by the preceding `mysqld` command do not appear in `SHOW VARIABLES` output; this is because they are options only and not system variables.

The following list shows some of the most common server options. Additional options are described in other sections:

- Options that affect security: See [Section 6.1.4, “Security-Related mysqld Options and Variables”](#).
- SSL-related options: See [Command Options for Encrypted Connections](#).
- Binary log control options: See [Section 5.4.4, “The Binary Log”](#).
- Replication-related options: See [Section 17.1.6, “Replication and Binary Logging Options and Variables”](#).
- Options for loading plugins such as pluggable storage engines: See [Section 5.6.1, “Installing and Uninstalling Plugins”](#).
- Options specific to particular storage engines: See [Section 15.14, “InnoDB Startup Options and System Variables”](#) and [Section 16.2.1, “MyISAM Startup Options”](#).

Some options control the size of buffers or caches. For a given buffer, the server might need to allocate internal data structures. These structures typically are allocated from the total memory allocated to the