

# Administrative Tools

## Command-line utilities

Syntax *mysql2mysql myisamchk myisamlog myisampack mysql\_install\_db mysqlaccess mysqladmin  
mysqlbinlog mysqlbug mysqlcheck mysqldump mysqlhotcopy mysqlimport mysqlmanager  
mysqlshow mysqlshutdown mysqlwatch my\_print\_defaults perror replace*

## GUI Utilities

*MySQLAdministrator phpMyAdmin Third-party tools*

## Command-line utilities

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## GUI Utilities

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## Command-line utilities

MySQL ships with many command-line database administration utilities for \*nix and Windows (Table 18-1).

**Table 18-1: MySQL 5&6 Command-line Utilities under Linux/Unix and Windows**

<i>Utility</i>	<i>Linux/Unix</i>	<i>Windows</i>	<i>Reads Option File</i>
<i>mysql2mysql</i>	Yes	No	No
<i>myisamchk</i>	Yes	Yes	Yes
<i>myisampack</i>	Yes	Yes	Yes
<i>mysql_install_db (Ch 3)</i>	Yes	No	No
<i>mysql_upgrade</i>	Since 5.0.19/5.1.7	Buggy	No
<i>mysqlaccess</i>	Yes	No	No
<i>mysqladmin</i>	Yes	Yes	Yes
<i>mysqlbinlog</i>	Yes	Yes	No
<i>mysqlbug</i>	Yes	Yes	No
<i>mysqlcheck</i>	Yes	Yes	Yes
<i>mysqldump</i>	Yes	Yes	Yes
<i>mysqlhotcopy</i>	Yes	Yes	Yes
<i>mysqlimport</i>	Yes	Yes	Yes
<i>mysqlmanager</i>	discontinued 6.0.5	discontinued 6.0.5	Yes
<i>mysql proxy (Ch 3)</i>	Yes	Yes	No
<i>mysqlshow</i>	Yes	Yes	Yes
<i>mysqlshutdown</i>	No	To 5.0.5	No
<i>mysqlslap</i>	5.1.4	5.1.4	Yes
<i>mysqlwatch</i>	No	To 5.0.5	No
<i>my_print_defaults</i>	Yes	Yes	Yes
<i>pack_isam</i>	Yes	Yes	Yes
<i>perror</i>	Yes	Yes	No

<i>Utility</i>	<i>Linux/Unix</i>	<i>Windows</i>	<i>Reads Option File</i>
replace	Yes	Yes	No

Windows versions of MySQL no longer include *WinMySQLAdmin*. *MySQLAdministrator* may be downloaded from <http://dev.mysql.com/downloads/gui-tools/5.0.html> as part of the GUI Tools package. For notes on *mysql\_upgrade* see *Chapter 3* (Upgrades).

## Command-line utility syntax and option files

Utilities that read option files generally do so under the conventions described in *Chapter 3* (Using option files). They read from the [client] section of these files, and in addition from an options file section named after themselves, so for example *mysqladmin* reads from a [mysqladmin] section, if present. Options are single words, for example *check*, or hyphenated words, for example *update-state*. If the option sets a variable, the syntax is the same as for the server:

```
varName=value
```

You can also use command-line arguments to tell these utilities which configuration file(s) to read, or to read no configuration file at all:

```
--defaults-file=fileName
```

This tells the utility to read options from *fileName*.

```
--defaults-extra-file=fileName
```

This tells the utility to read *fileName* after reading the global option file(s).

```
--no-defaults
```

This tells the utility to read no option file.

Generally, utilities that read option files also accept command-line arguments which are those same options prefixed with a double hyphen, for example *--check*, *--update-state*, or *--varname=value*. Often the program recognises one-character abbreviations of such commands, for example *-c* for *--check*, *-U* for *--update-state*, and *-O* for the deprecated syntax *--set-variable=varName=value*. These abbreviations can be concatenated, for example *-cU*. You can also instruct the programs to simply print help, arguments or version information, then exit:

```
-, --help
```

Display help and exit.

```
--print-defaults
```

Display the options that would be in force without additional arguments, then exit (not *mysqlhotcopy*).

```
-V, --version
```

Display version information and exit.

Since 5.1.21, *mysql*, *mysqladmin*, *mysqlbinlog*, *mysqlcheck*, *mysqldump*, *mysqlimport*, *mysqlshow*, *mysqlslap*, *mysqltest* and *mysql\_upgrade* accept the options *--debug-check* (show debug info on exit) and *--debug-info* (also show CPU and memory statistics). Since 5.5.8, *mysql*, *mysqladmin*, *mysqlbinlog*, *mysqlcheck*, *mysqldump*, *mysqlimport* and *mysqlshow* accept *--bind-address=ipaddr* to select a network interface.

To read the rest of this and other chapters, *buy a copy of the book*

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