NAME

mysqlimport − a data import program

SYNOPSIS

mysqlimport [*options*] *db_name textfile1* **...**

DESCRIPTION

The **mysqlimport** client provides a command−line interface to the LOAD DATA SQL statement. Most options to **mysqlimport** correspond directly to clauses of LOAD DATA syntax. See Section 13.2.7, "LOAD DATA Syntax".

Invoke **mysqlimport** like this:

shell> **mysqlimport** [*options*] *db_name textfile1* [*textfile2* **...**]

For each text file named on the command line, **mysqlimport** strips any extension from the file name and uses the result to determine the name of the table into which to import the file's contents. For example, files named patient.txt, patient.text, and patient all would be imported into a table named patient.

mysqlimport supports the following options, which can be specified on the command line or in the [mysqlimport] and [client] groups of an option file. For information about option files used by MySQL programs, see Section 4.2.2.2, "Using Option Files".

- **−−help**, **−?**

  Display a help message and exit.

- **−−bind−address=***ip_address*

  On a computer having multiple network interfaces, use this option to select which interface to use for connecting to the MySQL server.

- **−−character−sets−dir=***dir_name*

  The directory where character sets are installed. See Section 10.15, "Character Set Configuration".

- **−−columns=***column_list*, **−c** *column_list*

  This option takes a list of comma−separated column names as its value. The order of the column names indicates how to match data file columns with table columns.

- **−−compress**, **−C**

  Compress all information sent between the client and the server if possible. See Section 4.2.6, "Connection Compression Control".

  As of MySQL 8.0.18, this option is deprecated. It will be removed in a future MySQL version. See the section called "Legacy Connection Compression Configuration".

- **−−compression−algorithms=***value* The permitted compression algorithms for connections to the server. The available algorithms are the same as for the protocol_compression_algorithms system variable. The default value is uncompressed.

  For more information, see Section 4.2.6, "Connection Compression Control".

  This option was added in MySQL 8.0.18.

- **−−debug[=***debug_options*], **−#** [*debug_options*]

  Write a debugging log. A typical *debug_options* string is d:t:o,*file_name*. The default is d:t:o.

- **−−debug−check**

  Print some debugging information when the program exits.

- **−−debug−info**

  Print debugging information and memory and CPU usage statistics when the program exits.

- **−−default−character−set=***charset_name*

  Use *charset_name* as the default character set. See Section 10.15, "Character Set Configuration".

- **−−default−auth=***plugin*

  A hint about which client−side authentication plugin to use. See Section 6.2.17, "Pluggable Authentication".

- **−−defaults−extra−file=***file_name*

  Read this option file after the global option file but (on Unix) before the user option file. If the file does not exist or is otherwise inaccessible, an error occurs. *file_name* is interpreted relative to the current directory if given as a relative path name rather than a full path name.

  For additional information about this and other option−file options, see Section 4.2.2.3, "Command-Line Options that Affect Option-File Handling".

- **−−defaults−file=***file_name*

  Use only the given option file. If the file does not exist or is otherwise inaccessible, an error occurs. *file_name* is interpreted relative to the current directory if given as a relative path name rather than a full path name.

  Exception: Even with **−−defaults−file**, client programs read .mylogin.cnf.

  For additional information about this and other option−file options, see Section 4.2.2.3, "Command-Line Options that Affect Option-File Handling".

- **−−defaults−group−suffix=***str*

  Read not only the usual option groups, but also groups with the usual names and a suffix of *str*. For example, **mysqlimport** normally reads the [client] and [mysqlimport] groups. If the **−−defaults−group−suffix=_other** option is given, **mysqlimport** also reads the [client_other] and [mysqlimport_other] groups.

  For additional information about this and other option−file options, see Section 4.2.2.3, "Command-Line Options that Affect Option-File Handling".

- **−−delete**, **−D**

  Empty the table before importing the text file.

- **−−enable−cleartext−plugin**

  Enable the mysql_clear_password cleartext authentication plugin. (See Section 6.4.1.4, "Client-Side Cleartext Pluggable Authentication".)

- **−−fields−terminated−by=...**, **−−fields−enclosed−by=...**, **−−fields−optionally−enclosed−by=...**, **−−fields−escaped−by=...**

  These options have the same meaning as the corresponding clauses for LOAD DATA. See

Section 13.2.7, "LOAD DATA Syntax".

- **−−force**, **−f**

  Ignore errors. For example, if a table for a text file does not exist, continue processing any remaining files. Without **−−force**, **mysqlimport** exits if a table does not exist.

- **−−get−server−public−key**

  Request from the server the public key required for RSA key pair−based password exchange. This option applies to clients that authenticate with the caching_sha2_password authentication plugin. For that plugin, the server does not send the public key unless requested. This option is ignored for accounts that do not authenticate with that plugin. It is also ignored if RSA−based password exchange is not used, as is the case when the client connects to the server using a secure connection.

  If **−−server−public−key−path=**_file_name_ is given and specifies a valid public key file, it takes precedence over **−−get−server−public−key**.

  For information about the caching_sha2_password plugin, see Section 6.4.1.3, "Caching SHA-2 Pluggable Authentication".

- **−−host=**_host_name_, **−h** _host_name_

  Import data to the MySQL server on the given host. The default host is localhost.

- **−−ignore**, **−i**

  See the description for the **−−replace** option.

- **−−ignore−lines=**_N_

  Ignore the first _N_ lines of the data file.

- **−−lines−terminated−by=...**

  This option has the same meaning as the corresponding clause for LOAD DATA. For example, to import Windows files that have lines terminated with carriage return/linefeed pairs, use **−−lines−terminated−by="\r\n"**. (You might have to double the backslashes, depending on the escaping conventions of your command interpreter.) See Section 13.2.7, "LOAD DATA Syntax".

- **−−local**, **−L**

  By default, files are read by the server on the server host. With this option, **mysqlimport** reads input files locally on the client host. Enabling local data loading also requires that the server permits it; see Section 6.1.6, "Security Issues with LOAD DATA LOCAL"

- **−−lock−tables**, **−l**

  Lock _all_ tables for writing before processing any text files. This ensures that all tables are synchronized on the server.

- **−−login−path=**_name_

  Read options from the named login path in the .mylogin.cnf login path file. A "login path" is an option group containing options that specify which MySQL server to connect to and which account to authenticate as. To create or modify a login path file, use the **mysql_config_editor** utility. See **mysql_config_editor**(1).

  For additional information about this and other option−file options, see Section 4.2.2.3,

"Command-Line Options that Affect Option-File Handling".

- **−−low−priority**

Use LOW_PRIORITY when loading the table. This affects only storage engines that use only table−level locking (such as MyISAM, MEMORY, and MERGE).

- **−−no−defaults**

Do not read any option files. If program startup fails due to reading unknown options from an option file, **−−no−defaults** can be used to prevent them from being read.

The exception is that the .mylogin.cnf file, if it exists, is read in all cases. This permits passwords to be specified in a safer way than on the command line even when **−−no−defaults** is used. (.mylogin.cnf is created by the **mysql_config_editor** utility. See **mysql_config_editor**(1).)

For additional information about this and other option−file options, see Section 4.2.2.3, "Command-Line Options that Affect Option-File Handling".

- **−−password[=**_password_**]**, **−p[**_password_**]**

The password of the MySQL account used for connecting to the server. The password value is optional. If not given, **mysqlimport** prompts for one. If given, there must be _no space_ between **−−password=** or **−p** and the password following it. If no password option is specified, the default is to send no password.

Specifying a password on the command line should be considered insecure. To avoid giving the password on the command line, use an option file. See Section 6.1.2.1, "End-User Guidelines for Password Security".

To explicitly specify that there is no password and that **mysqlimport** should not prompt for one, use the **−−skip−password** option.

- **−−pipe**, **−W**

On Windows, connect to the server using a named pipe. This option applies only if the server was started with the named_pipe system variable enabled to support named−pipe connections. In addition, the user making the connection must be a member of the Windows group specified by the named_pipe_full_access_group system variable.

- **−−plugin−dir=**_dir_name_

The directory in which to look for plugins. Specify this option if the **−−default−auth** option is used to specify an authentication plugin but **mysqlimport** does not find it. See Section 6.2.17, "Pluggable Authentication".

- **−−port=**_port_num_, **−P** _port_num_

For TCP/IP connections, the port number to use.

- **−−print−defaults**

Print the program name and all options that it gets from option files.

For additional information about this and other option−file options, see Section 4.2.2.3, "Command-Line Options that Affect Option-File Handling".

- **−−protocol={TCP|SOCKET|PIPE|MEMORY}**

The connection protocol to use for connecting to the server. It is useful when the other connection parameters normally result in use of a protocol other than the one you want. For details on the permissible values, see Section 4.2.4, "Connecting to the MySQL Server Using Command Options".

• **−−replace**, **−r**

The **−−replace** and **−−ignore** options control handling of input rows that duplicate existing rows on unique key values. If you specify **−−replace**, new rows replace existing rows that have the same unique key value. If you specify **−−ignore**, input rows that duplicate an existing row on a unique key value are skipped. If you do not specify either option, an error occurs when a duplicate key value is found, and the rest of the text file is ignored.

• **−−secure−auth**

This option was removed in MySQL 8.0.3.

• **−−server−public−key−path=**_file_name_

The path name to a file containing a client−side copy of the public key required by the server for RSA key pair−based password exchange. The file must be in PEM format. This option applies to clients that authenticate with the sha256_password or caching_sha2_password authentication plugin. This option is ignored for accounts that do not authenticate with one of those plugins. It is also ignored if RSA−based password exchange is not used, as is the case when the client connects to the server using a secure connection.

If **−−server−public−key−path=**_file_name_ is given and specifies a valid public key file, it takes precedence over **−−get−server−public−key**.

For sha256_password, this option applies only if MySQL was built using OpenSSL.

For information about the sha256_password and caching_sha2_password plugins, see Section 6.4.1.2, "SHA-256 Pluggable Authentication", and Section 6.4.1.3, "Caching SHA-2 Pluggable Authentication".

• **−−shared−memory−base−name=**_name_

On Windows, the shared−memory name to use for connections made using shared memory to a local server. The default value is MYSQL. The shared−memory name is case−sensitive.

This option applies only if the server was started with the shared_memory system variable enabled to support shared−memory connections.

• **−−silent**, **−s**

Silent mode. Produce output only when errors occur.

• **−−socket=**_path_, **−S** _path_

For connections to localhost, the Unix socket file to use, or, on Windows, the name of the named pipe to use.

On Windows, this option applies only if the server was started with the named_pipe system variable enabled to support named−pipe connections. In addition, the user making the connection must be a member of the Windows group specified by the named_pipe_full_access_group system variable.

• **−−ssl***

Options that begin with **−−ssl** specify whether to connect to the server using SSL and indicate

where to find SSL keys and certificates. See the section called "Command Options for Encrypted Connections".

- **−−ssl−fips−mode={OFF|ON|STRICT}** Controls whether to enable FIPS mode on the client side. The **−−ssl−fips−mode** option differs from other **−−ssl−***xxx* options in that it is not used to establish encrypted connections, but rather to affect which cryptographic operations are permitted. See Section 6.5, "FIPS Support".

  These **−−ssl−fips−mode** values are permitted:
  - OFF: Disable FIPS mode.
  - ON: Enable FIPS mode.
  - STRICT: Enable "strict" FIPS mode.

  Note
  If the OpenSSL FIPS Object Module is not available, the only permitted value for **−−ssl−fips−mode** is OFF. In this case, setting **−−ssl−fips−mode** to ON or STRICT causes the client to produce a warning at startup and to operate in non−FIPS mode.

- **−−tls−ciphersuites=***ciphersuite_list*

  The permissible ciphersuites for encrypted connections that use TLSv1.3. The value is a list of one or more colon−separated ciphersuite names. The ciphersuites that can be named for this option depend on the SSL library used to compile MySQL. For details, see Section 6.3.2, "Encrypted Connection TLS Protocols and Ciphers".

  This option was added in MySQL 8.0.16.

- **−−tls−version=***protocol_list*

  The permissible TLS protocols for encrypted connections. The value is a list of one or more comma−separated protocol names. The protocols that can be named for this option depend on the SSL library used to compile MySQL. For details, see Section 6.3.2, "Encrypted Connection TLS Protocols and Ciphers".

- **−−user=***user_name*, **−u** *user_name*

  The user name of the MySQL account to use for connecting to the server.

- **−−use−threads=***N*

  Load files in parallel using *N* threads.

- **−−verbose**, **−v**

  Verbose mode. Print more information about what the program does.

- **−−version**, **−V**

  Display version information and exit.

- **−−zstd−compression−level=***level* The compression level to use for connections to the server that use the zstd compression algorithm. The permitted levels are from 1 to 22, with larger values indicating increasing levels of compression. The default zstd compression level is 3. The compression level setting has no effect on connections that do not use zstd compression.

  For more information, see Section 4.2.6, "Connection Compression Control".

  This option was added in MySQL 8.0.18.

Here is a sample session that demonstrates use of **mysqlimport**:

```
shell> mysql −e 'CREATE TABLE imptest(id INT, n VARCHAR(30))' test
shell> ed
a
100     Max Sydow
101     Count Dracula
.
w imptest.txt
32
q
shell> od −c imptest.txt
0000000   1  0  0 \t  M  a  x     S  y  d  o  w \n  1  0
0000020   1 \t  C  o  u  n  t     D  r  a  c  u  l  a \n
0000040
shell> mysqlimport −−local test imptest.txt
test.imptest: Records: 2  Deleted: 0  Skipped: 0  Warnings: 0
shell> mysql −e 'SELECT * FROM imptest' test
+−−−−−−+−−−−−−−−−−−−−−−+
| id  | n           |
+−−−−−−+−−−−−−−−−−−−−−−+
| 100 | Max Sydow    |
| 101 | Count Dracula |
+−−−−−−+−−−−−−−−−−−−−−−+
```

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SEE ALSO

For more information, please refer to the MySQL Reference Manual, which may already be installed locally and which is also available online at http://dev.mysql.com/doc/.

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