

MySQL command line client - Unicode. This item invokes the `mysql` client with properties set to communicate through the console to the MySQL server using Unicode.

To take advantage of this support manually, run `mysql` within a console that uses a compatible Unicode font and set the default character set to a Unicode character set that is supported for communication with the server:

1. Open a console window.
2. Go to the console window properties, select the font tab, and choose Lucida Console or some other compatible Unicode font. This is necessary because console windows start by default using a DOS raster font that is inadequate for Unicode.
3. Execute `mysql.exe` with the `--default-character-set=utf8` (or `utf8mb4`) option. This option is necessary because `utf16le` is one of the character sets that cannot be used as the client character set. See [Impermissible Client Character Sets](#).

With those changes, `mysql` uses the Windows APIs to communicate with the console using UTF-16LE, and communicate with the server using UTF-8. (The menu item mentioned previously sets the font and character set as just described.)

To avoid those steps each time you run `mysql`, you can create a shortcut that invokes `mysql.exe`. The shortcut should set the console font to Lucida Console or some other compatible Unicode font, and pass the `--default-character-set=utf8` (or `utf8mb4`) option to `mysql.exe`.

Alternatively, create a shortcut that only sets the console font, and set the character set in the `[mysql]` group of your `my.ini` file:

```
[mysql]
default-character-set=utf8
```

Displaying Query Results Vertically

Some query results are much more readable when displayed vertically, instead of in the usual horizontal table format. Queries can be displayed vertically by terminating the query with `\G` instead of a semicolon. For example, longer text values that include newlines often are much easier to read with vertical output:

```
mysql> SELECT * FROM mails WHERE LENGTH(txt) < 300 LIMIT 300,1\G
***** 1. row *****
  msg_nro: 3068
    date: 2000-03-01 23:29:50
time_zone: +0200
mail_from: Jones
   reply: jones@example.com
  mail_to: "John Smith" <smith@example.com>
    sbj: UTF-8
    txt: >>>> "John" == John Smith writes:

John> Hi. I think this is a good idea. Is anyone familiar
John> with UTF-8 or Unicode? Otherwise, I'll put this on my
John> TODO list and see what happens.

Yes, please do that.

Regards,
Jones
   file: inbox-jani-1
   hash: 190402944
1 row in set (0.09 sec)
```

Using Safe-Updates Mode (--safe-updates)